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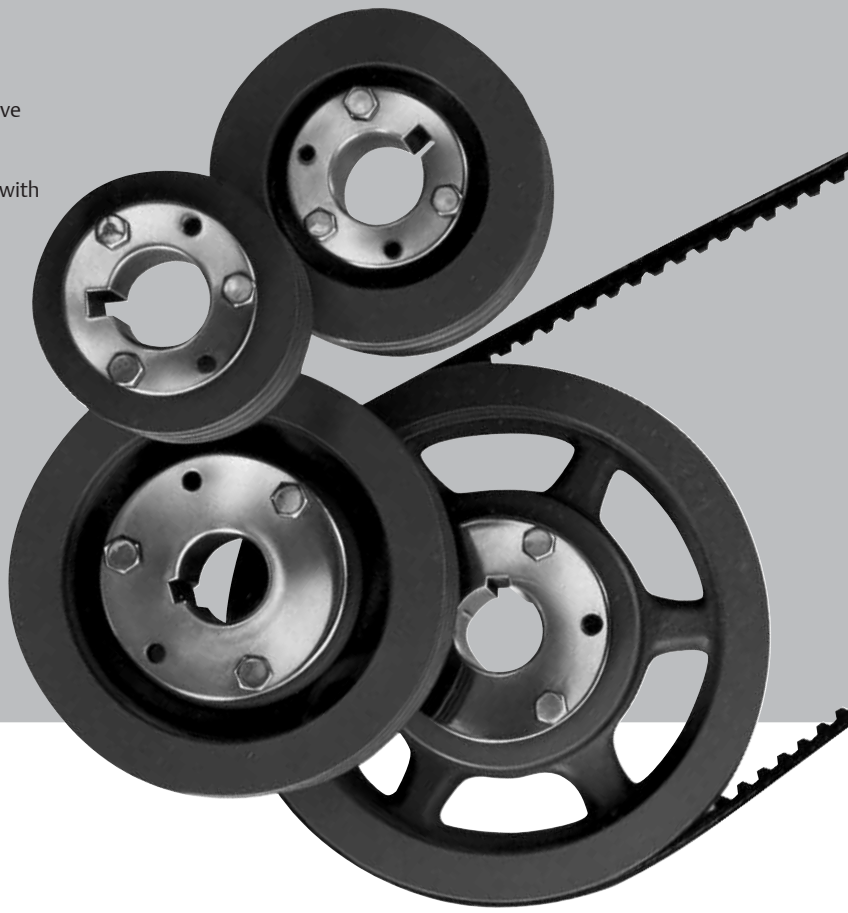
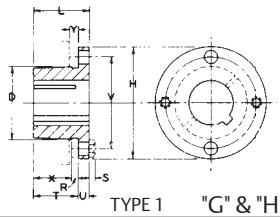
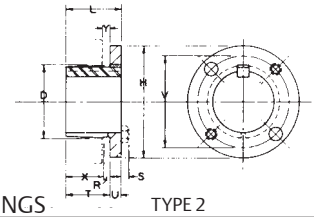


SPLIT TAPER bushing

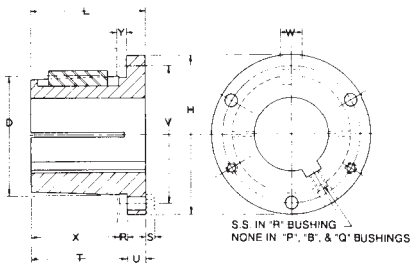
Q-D® bushing

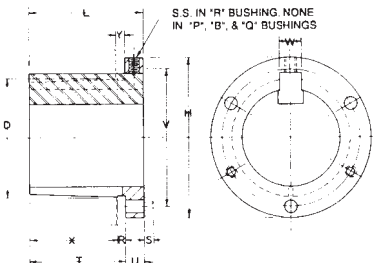
TAPER BORE bushing





TYPE 1 "G" & "H" BUSHINGS TYPE 2





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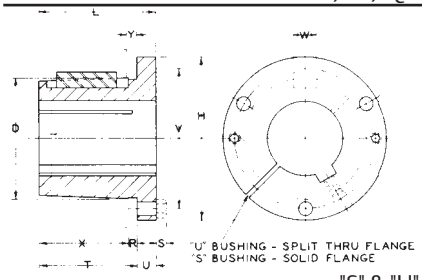
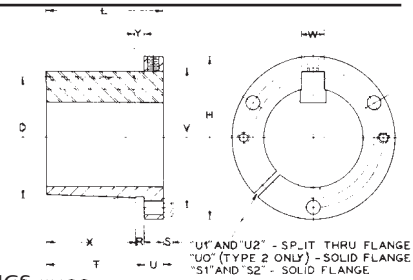
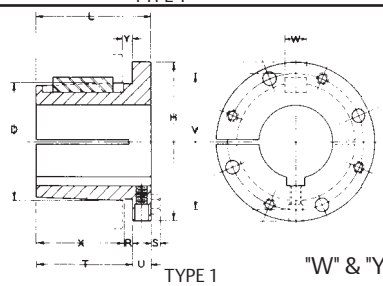
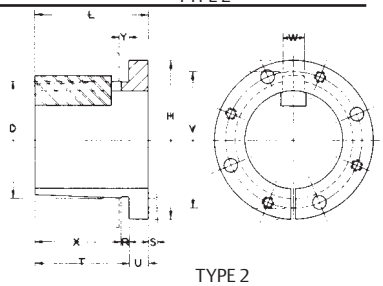




TYPE 1 "S" & "U" BUSHINGS TYPE 2





TYPE 1 "W" & "Y" BUSHINGS TYPE 2

Table No. 1

Bushing Specifications

Part No.	Dimensions												Bore Range		Cap Screws		Av. Wt. Lbs	Wrench Torque In.-Lbs.
	L	U	T	D Large End	D Small End	H	V	W	X	Y	R	S	Type 1	Type 2	No.	SIZE		
G	1"	1/4"	3/4"	1.172"	1.133"	2"	1 9/16"	—	5/8"	3/16"	1/8"	3/16"	3/8" - 15/16"	1"	2	1/4" X 5/8"	.5	95
H	1 1/4	1/4	1	1.625	1.570	2 1/2	2	—	7/8	3/16	1/8	3/16	3/8 - 1 3/8	1 7/16 - 1 1/2	2	1/4 X 3/4	.8	95
P1	1 15/16	13/32	1 17/32	1.9375	1.8555	3	2 7/16	3/8"	1 5/16	7/32	7/32	1/4	1/2 - 7/16	1 1/2 - 1 3/4	3	5/16 X 1	1.3	192
P2	2 15/16	13/32	2 17/32	1.9375	1.7930	3	2 7/16	3/8	2 5/16	7/32	7/32	1/4	3/4 - 1 7/16	1 1/2 - 1 3/4	3	5/16 X 1	1.5	192
P3	4 7/16	13/32	4 1/32	1.9375	1.6993	3	2 7/16	3/8	3 13/16	7/32	7/32	1/4	1 1/8 - 1 3/8	1 5/8	3	5/16 X 1	2	192
B	1 15/16	1/2	1 7/16	2.625	2.5567	3 11/16	3 1/8	1/2	1 3/16	7/32	1/4	1/4	1/2 - 1 15/16	2 - 2 7/16	3	5/16 X 1 1/4	1.8	192
Q1	2 1/2	17/32	1 31/32	2.875	2.7657	4 1/8	3 3/8	1/2	1 3/4	7/32	7/32	9/32	3/4 - 2 1/16	2 1/8 - 2 11/16	3	3/8 X 1 1/4	3.5	348
Q2	3 1/2	17/32	2 31/32	2.875	2.7032	4 1/8	3 3/8	1/2	2 3/4	7/32	7/32	9/32	1 - 2 1/16	2 1/8 - 2 5/8	3	3/8 X 1 1/4	4.5	348
Q3	5	17/32	4 15/32	2.875	2.6094	4 1/8	3 3/8	1/2	4 1/4	7/32	7/32	9/32	1 3/8 - 2 1/16	2 1/8 - 2 1/2	3	3/8 X 1 1/4	5.5	348
R1	2 7/8	5/8	2 1/4	4.000	3.8750	5 3/8	4 5/8	3/4	2	1/4	1/4	9/32	1 1/8 - 2 13/16	2 7/8 - 3 3/4	3	3/8 X 1 3/4	7.5	348
R2	4 7/8	5/8	4 1/4	4.000	3.7500	5 3/8	4 5/8	3/4	4	1/4	1/4	9/32	1 3/8 - 2 13/16	2 7/8 - 3 5/8	3	3/8 X 1 3/4	11	348
S1	4 3/8	3/4	3 5/8	4.625	4.4180	6 3/8	5 3/8	3/4	3 5/16	5/16	5/16	3/8	1 11/16 - 3 3/16	3 1/4 - 4 1/4	3	1/2 X 2 1/4	13.5	840
S2	6 3/4	3/4	6	4.625	4.2696	6 3/8	5 3/8	3/4	5 11/16	5/16	5/16	3/8	1 7/8 - 3 3/16	3 1/4 - 4 3/16	3	1/2 X 2 1/4	19	840
U0	4 15/16	3/4	4 3/16	6.000	5.7656	8 3/8	7	1 1/4	3 3/4	7/16	7/16	15/32	2 3/8 - 4 1/4	4 3/8 - 5 1/2	3	5/8 X 2 3/4	27	1680
U1	7 1/8	1 1/16	6 1/16	6.000	5.6485	8 3/8	7	1 1/4	5 5/8	7/16	7/16	15/32	2 3/8 - 4 1/4	4 3/8 - 5 1/2	3	5/8 X 2 3/4	40	1680
U2	10 1/8	1 1/16	9 1/16	6.000	5.4610	8 3/8	7	1 1/4	8 5/8	7/16	7/16	15/32	2 7/16 - 4 1/4	4 3/8 - 5	3	5/8 X 2 3/4	50	1680
W1	8 1/4	1 7/16	6 13/16	8.500	8.1016	12 1/2	10	1 1/4	6 3/8	7/16	7/16	9/16	3 3/8 - 6 3/16	6 1/4 - 7 7/16	4	3/4 X 3	104	3000
W2	11 1/4	1 7/16	9 13/16	8.500	7.9141	12 1/2	10	1 1/4	9 3/8	7/16	7/16	9/16	3 3/8 - 6 3/16	6 1/4 - 7 7/16	4	3/4 X 3	133	3000
Y0*	11 1/8	2	9 1/8	12.000	11.4688	16 1/2	14 1/2	2	8 1/2	5/8	5/8	5/8	6 - 7 15/16	8 - 10	4	1 X 5	270	7200

S1 — 1 11/16", S1 1 3/4 and S2 — 1 7/8" to 2 1/8" Bushings are Steel. U0 and U1 — 2 3/8" to 3 3/16" and U2 2 7/16" to 3 3/16" are Cast Iron. "W" and "Y" Bushings are Cast Iron. All other Bushings on this page either Sintered Steel, Malleable Iron or Ductile Iron. Contact Factory For Clarification. *Y Bushings are MADE-TO-ORDER.

Note - Taper on all Browning Split Bushings is 3/4" Per Foot on Diameter.

COMPLETE ROUND SHAFT COVERAGE PLUS MILLIMETER AND SPLINE BORES

Table No. 1 Stock Inch Bore Bushings

Stock Bores	Keyseat	G	H	P1	P2	P3	B	Q1	Q2	Q3	R1	R2	S1
3/8"	None	X	X	—	—	—	—	—	—	—	—	—	—
7/16	None	X	X	—	—	—	—	—	—	—	—	—	—
1/2	1/8 X 1/16	X	X	X	—	—	X	—	—	—	—	—	—
9/16	1/8 X 1/16	X	X	X	—	—	X	—	—	—	—	—	—
19/32	3/16 X 3/32	—	X	—	—	—	—	—	—	—	—	—	—
5/8	3/16 X 3/32	X	X	X	—	—	X	—	—	—	—	—	—
21/32	3/16 X 3/32	—	X	X	—	—	—	—	—	—	—	—	—
11/16	3/16 X 3/32	X	X	X	—	—	X	—	—	—	—	—	—
3/4	3/16 X 3/32	X	X	X	X	—	X	X	—	—	—	—	—
25/32	3/16 X 3/32	—	X	X	—	—	—	—	—	—	—	—	—
13/16	3/16 X 3/32	X	X	X	X	—	X	X	—	—	—	—	—
7/8	3/16 X 3/32	X	X	X	X	—	X	X	—	—	—	—	—
15/16	1/4 X 1/8	X*	X	X	X	—	X	X	—	—	—	—	—
31/32	1/4 X 1/8	—	X	X	—	—	—	—	—	—	—	—	—
1	1/4 X 1/8	X*	X	X	X	—	X	X	X	—	—	—	—
1 1/16	1/4 X 1/8	—	X	X	X	—	X	X	X	—	—	—	—
1 1/8	1/4 X 1/8	—	X	X	X	X	X	X	X	—	X	—	—
1 3/16	1/4 X 1/8	—	X	X	X	—	X	X	X	—	X	—	—
1 1/4	1/4 X 1/8	—	X*	X	X	—	X	X	X	—	X	—	—
1 5/16	5/16 X 5/32	—	X*	X	X	—	X	X	X	—	X	—	—
1 3/8 ▲	5/16 x 5/32	—	X*	X	X	X*	X	X	X	X	X	X	—
1 3/8 ▲	3/8 X 3/16	—	X*	X	X	—	X	X	X	—	X	—	—
1 7/16	3/8 X 3/16	—	X*	X	X*	—	X	X	X	X	X	X	—
1 1/2	3/8 X 3/16	—	X*	X	X	—	X	X	X	X	X	X	—
1 9/16	3/8 X 3/16	—	—	X	X	—	X	X	X	X	X	X	—
1 5/8	3/8 X 3/16	—	—	X	X	X	X	X	X	X	X	X	—
1 11/16	3/8 X 3/16	—	—	X	X	—	X	X	X	X	X	X	X
1 3/4	3/8 X 3/16	—	—	X	X	—	X	X	X	X	X	X	X

		B	Q1	Q2	Q3	R1	R2	S1	S2	U0	U1	U2
1 13/16	1/2 X 1/4	X	X	X	X	X	X	—	—	—	—	—
1 7/8	1/2 X 1/4	X	X	X	X	X	X	X	X	—	—	—
1 15/16	1/2 X 1/4	X	X	X	X	X	X	X	X	—	—	—
2	1/2 X 1/4	X	X	X	X	X	X	X	X	—	—	—
2 1/16	1/2 X 1/4	X	X	X	X	X	X	—	—	—	—	—
2 1/8	1/2 X 1/4	X	X	X	X	X	X	X	X	—	—	—
2 3/16	1/2 X 1/4	X	X	X	X	X	X	X	X	—	—	—
2 1/4	1/2 X 1/4	X	X	X	X	X	X	X	X	—	—	—
2 5/16	5/8 X 5/16	X	X	X	X	X	X	X	X	—	—	—
2 3/8	5/8 X 5/16	X	X	X	X	X	X	X	X	X	X	—
2 7/16	5/8 X 5/16	X	X	X	X	X	X	X	X	X	X	X
2 1/2	5/8 X 5/16	—	X	X	X	X	X	X	X	X	X	X
2 9/16	5/8 X 5/16	—	X	X	—	X	X	X	X	X	X	X
2 5/8	5/8 X 5/16	—	X	X	—	X	X	X	X	X	X	X
2 11/16	5/8 X 5/16	—	X	—	—	X	X	X	X	X	X	X
2 3/4	5/8 X 5/16	—	—	—	—	X	X	X	X	X	X	X
2 13/16	3/4 X 3/8	—	—	—	—	X	X	—	—	—	—	—
2 7/8	3/4 X 3/8	—	—	—	—	X	X	X	X	X	X	X
2 15/16	3/4 X 3/8	—	—	—	—	X	X	X	X	X	X	X
3	3/4 X 3/8	—	—	—	—	X	X	X	X	X	X	X
3 1/8	3/4 X 3/8	—	—	—	—	X	X	X	X	X	X	X
3 3/16	3/4 X 3/8	—	—	—	—	X	X	X	X	X	X	X
3 1/4	3/4 X 3/8	—	—	—	—	X	X	X	X	X	X	X

		R1	R2	S1	S2	U0	U1	U2	W1	W2
3 3/8	7/8 X 7/16	X	X	X	X	X	X	X	X	X
3 7/16	7/8 X 7/16	X	X	X	X	X	X	X	X	X
3 1/2	7/8 X 7/16	X	X	X	X	X	X	X	X	X
3 5/8	7/8 X 7/16	X	X	X	X	X	X	X	X	X
3 11/16	7/8 X 7/16	X	—	X	X	X	X	X	X	X
3 3/4	7/8 X 7/16	X	—	X	X	X	X	X	X	X
3 7/8	1 X 1/2	—	—	X	X	X	X	X	X	X
3 15/16	1 X 1/2	—	—	X	X	X	X	X	X	X
4	1 X 1/2	—	—	X	X	X	X	X	X	X
4 1/8	1 X 1/2	—	—	X	X	X	X	X	X	X
4 3/16	1 X 1/2	—	—	X	X	X	X	X	X	X
4 1/4	1 X 1/2	—	—	X	—	X	X	X	X	X
4 3/8	1 X 1/2	—	—	—	—	X	X	X	X	X
4 7/16	1 X 1/2	—	—	—	—	X	X	X	X	X
4 1/2	1 X 1/2	—	—	—	—	X	X	X	X	X
4 5/8	1 1/4 X 5/8	—	—	—	—	X	X	X	X	X
4 11/16	1 1/4 X 5/8	—	—	—	—	X	X	X	—	—
4 3/4	1 1/4 X 5/8	—	—	—	—	X	X	X	X	X
4 7/8	1 1/4 X 5/8	—	—	—	—	X	X	X	X	X
4 15/16	1 1/4 X 5/8	—	—	—	—	X	X	X	X	X
5	1 1/4 X 5/8	—	—	—	—	X	X	X	X	X

		U0	U1	W1	W2
5 1/8"	1 1/4 X 5/8	X	X	X	X
5 3/16	1 1/4 X 5/8	X	X	X	X
5 1/4	1 1/4 X 5/8	X	X	X	X
5 3/8	1 1/4 X 5/8	X	X	X	X
5 7/16	1 1/4 X 5/8	X	X	X	X
5 1/2	1 1/4 X 5/8	X	X	X	X

▲1 3/8 Bore Bushings with 5/16 x 5/32" Keyway will be shipped unless the 3/8 x 3/16 Keyway is specified on the order.

* These sizes have a Shallow Keyseat. Special Keys furnished to fit standard depth keyseats in shafts.

Table No. 1 (Cont.)

Stock Bores	Keyseat	W1	W2
5 5/8	1 1/2 X 3/4	X	X
5 3/4	1 1/2 X 3/4	X	X
5 7/8	1 1/2 X 3/4	X	X
5 15/16	1 1/2 X 3/4	X	X
6	1 1/2 X 3/4	X	X
6 1/8	1 1/2 X 3/4	X	X
6 3/16	1 1/2 X 3/4	X	X
6 1/4	1 1/2 X 3/4	X	X
6 3/8	1 1/2 X 3/4	X	X
6 7/16	1 1/2 X 3/4	X	X
6 1/2	1 1/2 X 3/4	X	X
6 5/8	1 3/4 X 3/4	X	X
6 3/4	1 3/4 X 3/4	X	X
6 7/8	1 3/4 X 3/4	X	X
6 15/16	1 3/4 X 3/4	X	X
7	1 3/4 X 3/4	X	X
7 1/8	1 3/4 X 3/4	X	X
7 3/16	1 3/4 X 3/4	X	X
7 1/4	1 3/4 X 3/4	X	X
7 3/8	1 3/4 X 3/4	X	X
7 7/16	1 3/4 X 3/4	X	X

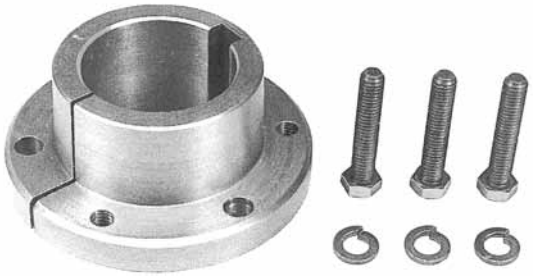
Table No. 2 Stock Millimeter Bore Bushings

Stock Bores	Keyseat (Millimeters)	G	H	P1	B	Q1	R1	R2
10 mm.	None	X	X	—	—	—	—	—
11 mm.	None	X	X	—	—	—	—	—
12 mm.	None	X	X	—	—	—	—	—
14 mm.	5 x 2.5	X	X	X	—	—	—	—
15 mm..	5 x 2.5	—	—	X	X	—	—	—
16 mm.	5 x 2.5	X	X	X	X	—	—	—
18 mm.	6 x 3	X	X	X	X	X	—	—
19 mm.	6 x 3	X	X	X	X	X	—	—
20 mm.	6 x 3	X	X	X	X	X	—	—
22 mm.	6 x 3	X	X	X	X	X	—	—
24 mm.	8 x 3.5	X	X	X	X	X	—	—
25 mm.	8 x 3.5	X	X	X	X	X	—	—
28 mm.	8 x 3.5	—	X	X	X	X	X	—
30 mm.	8 x 3.5	—	X	X	X	X	X	—
32 mm.	10 x 4	—	X	X	X	X	X	—
35 mm.	10 x 4	—	X	X	X	X	X	X
36 mm.	10 x 4	—	X	X	X	X	X	X
38 mm.	10 x 4	—	X	X	X	X	X	X
39 mm.	12 x 4	—	—	X	X	—	X	X
40 mm.	12 x 4	—	—	X	X	X	X	X
42 mm.	12 x 4	—	—	X	X	X	X	X
45 mm.	14 x 4.5	—	—	—	X	X	X	X
48 mm.	14 x 4.5	—	—	—	X	X	X	X
50 mm.	14 x 4.5	—	—	—	X	X	X	X
55 mm.	16 x 5	—	—	—	X	X	X	X
60 mm.	18 x 5.5	—	—	—	X	X	X	X
65 mm.	18 x 5.5	—	—	—	—	X	X	X
70 mm.	20 x 6	—	—	—	—	—	X	X
75 mm.	20 x 6	—	—	—	—	—	X	X
80 mm.	22 x 7	—	—	—	—	—	X	X
85 mm.	22 x 7	—	—	—	—	—	X	X
90 mm.	25 x 7	—	—	—	—	—	X	X
95 mm.	25 x 7	—	—	—	—	—	X	—

Table No. 3 Stock Spline Bore Bushings

Spline	H	P1	Q1	Q2
.978 - 10 Inv.	X	X	—	—
1 1/8 - 6B	X	X	X	—
1 1/4 - 10B	—	X	—	—
1 3/8 - 6B	X	X	X	X
1 3/8 - 10B	—	X	X	—
1 3/8 - 21 Inv.	X	X	X	—

A



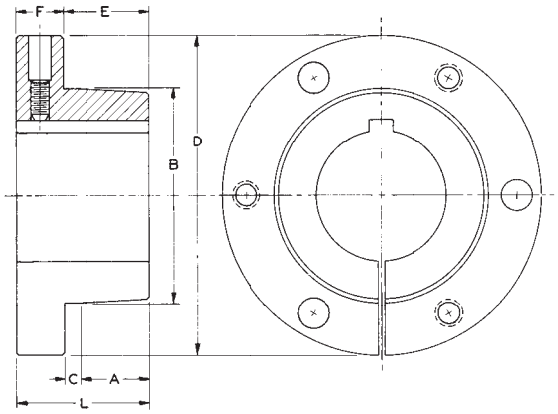
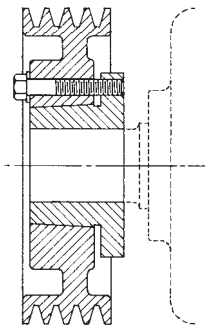


Table No. 1

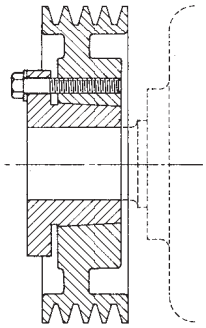
Bushing Specifications

Bushing	Bore Range	Dimensions							Cap screws			Torque Capacity In-Lbs	Wrench Torque Ft.-Lbs	Average Weight Lbs.
		D	L	A	B	C	E	F	No.	Size	Bolt Circle			
JA	1/2" - 1 1/4"	2"	.89"	.37"	1.375"	3/16"	.56"	.33"	3	10 - 24 X 1	1 21/32"	1000	6	.8
SH	1/2 - 1 5/8	2 11/16	1.20	.53	1.871	7/32	.75	.45	3	1/4 - 20 X 1 3/8	2 1/4	3500	9	1.0
SDS	1/2 - 2	3 1/8	1.33	.66	2.1875	7/32	.88	.45	3	1/4-20 X 1 3/8	2 11/16	5000	9	1.2
SD	1/2 - 2	3 1/8	1.83	1.16	2.1875	7/32	1.38	.45	3	1/4-20 x 1 7/8	2 11/16	5000	9	1.5
SK	1/2 - 2 5/8	3 7/8	1.75	.97	2.8125	7/32	1.19	.56	3	5/16 - 18 X 2	3 5/16	7000	15	2.0
SF	1/2 - 2 15/16	4 5/8	1.995	1.22	3.125	7/32	1.44	.56	3	3/8 - 16 X 2	3 7/8	11000	30	3.5
E	7/8 - 3 1/2	6	2.64	1.60	3.834	9/32	1.88	.76	3	1/2 - 13 X 2 3/4	5	20000	60	9.0
F	1 - 4	6 5/8	3.61	2.41	4.438	11/32	2.75	.88	3	9/16 -12 x 3 5/8	5 5/8	30000	75	14
J	1 1/2 - 4 1/2	7 1/4	4.48	3.19	5.148	5/16	3.50	1.00	3	5/8-11 X 4 1/2	6 1/4	45000	135	22
M	2 - 5 1/2	9	6.73	5.16	6.494	11/32	5.50	1.25	4	3/4-10 X 6 3/4	7 7/8	85000	225	51
N	2 7/16 - 5 7/8	10	8.11	6.07	6.992	9/16	6.63	1.50	4	7/8-9 X 8	8 1/2	150000	300	66
P	2 15/16 - 7	11 3/4	9.38	7.00	8.242	5/8	7.63	1.77	4	1 - 8 x 9 1/2	10	250000	450	122

NOTE — All Bushings shown except JA have setscrew over keyway.



MOUNT EITHER WAY



BUSHING FLANGE TOWARD MACHINE OR MOTOR

1. Align tapped holes in bushing flange with drilled holes in sheave hub.
2. Insert capscrews through drilled holes in sheave hub and thread loosely into tapped holes in bushing flange.
3. Position assembly on shaft and tighten capscrews progressively and uniformly.

TO REMOVE

1. Remove capscrews and thread into tapped holes in sheave hub. Tighten progressively until bushing is free from sheave taper.
2. Remove assembly from shaft.

BUSHING FLANGE AWAY FROM MACHINE OR MOTOR

1. Align drilled holes in bushing flange with tapped holes in sheave hub.
2. Insert capscrews through drilled holes in bushing flange and thread loosely into tapped holes in sheave hub.
3. Position assembly on shaft and tighten capscrews progressively and uniformly.

TO REMOVE

1. Remove capscrews and thread into tapped holes in bushing flange. Tighten progressively until bushing is free from sheave taper.
2. Remove assembly from shaft.

CAPSCREWS ARE ALWAYS ACCESSIBLE FROM THE OUTSIDE

Stock Inch Bore Bushings

Table No. 1

Stock Bores	Keyseat	JA	SH	SDS	SD	SK	SF	E	F	J
1/2	1/8 X 1/16	X	X	X	X	X	X	—	—	—
9/16	1/8 X 1/16	X	X	X	X	X	X	—	—	—
5/8	3/16 X 3/32	X	X	X	X	X	X	—	—	—
1/16	3/16 X 3/32	X	X	X	X	X	X	—	—	—
3/4	3/16 X 3/32	X	X	X	X	X	X	—	—	—
13/16	3/16 X 3/32	X	X	X	X	X	X	—	—	—
7/8	3/16 X 3/32	X	X	X	X	X	X	X	—	—
15/16	1/4 X 1/8	X	X	X	X	X	X	X	—	—
1	1/4 X 1/8	X	X	X	X	X	X	X	X	—
1 1/16	1/4 X 1/8	S	X	X	X	X	X	X	X	—
1 1/8	1/4 X 1/8	S	X	X	X	X	X	X	X	—
1 3/16	1/4 X 1/8	S	X	X	X	X	X	X	X	—
1 1/4	1/4 X 1/8	S	X	X	X	X	X	X	X	—
1 5/16	5/16 X 5/32	—	X	X	X	X	X	X	X	—
1 15/16*	3/8 X 3/16	—	X	X	X	X	X	X	X	—
1 3/8	5/16 X 5/32	—	X	X	X	X	X	X	X	—
1 3/8*	3/8 X 3/16	—	X	X	X	X	X	X	X	—
1 7/16	3/8 X 3/16	—	S	X	X	X	X	X	X	—
1 1/2	3/8 X 3/16	—	S	X	X	X	X	X	X	X
1 9/16	3/8 X 3/16	—	S	X	X	X	X	X	X	X
1 5/8	3/8 X 3/16	—	S	X	X	X	X	X	X	X
1 11/16	3/8 X 3/16	—	—	S	S	X	X	X	X	X

		SDS	SD	SK	SF	E	F	J	M	N
1 3/4	3/8 X 3/16	S	S	X	X	X	X	X	—	—
1 13/16	1/2 X 1/4	S	S	X	X	X	X	X	—	—
1 7/8	1/2 X 1/4	S	S	X	X	X	X	X	—	—
1 15/16	1/2 X 1/4	S	S	X	X	X	X	X	—	—
2	1/2 X 1/4	N	N	X	X	X	X	X	X	—
2 1/16	1/2 X 1/4	—	—	X	X	X	X	X	X	—
2 1/8	1/2 X 1/4	—	—	X	X	X	X	X	X	—
2 3/16	1/2 X 1/4	—	—	S	X	X	X	X	X	—
2 1/4	1/2 X 1/4	—	—	S	X	X	X	X	X	—
2 5/16	5/8 X 5/16	—	—	S	S	X	X	X	X	—
2 3/8	5/8 X 5/16	—	—	S	S	X	X	X	X	—
2 7/16	5/8 X 5/16	—	—	S	S	X	X	X	X	X
2 1/2	5/8 X 5/16	—	—	S	S	X	X	X	X	X
2 9/16	5/8 X 5/16	—	—	N	S	X	X	X	X	X
2 5/8	5/8 X 5/16	—	—	N	S	X	X	X	X	X

		SF	E	F	J	M	N	P
2 11/16	5/8 X 5/16	S	X	X	X	X	X	—
2 3/4	5/8 X 5/16	S	X	X	X	X	X	—
2 13/16	3/4 X 3/8	S	X	X	X	X	X	—
2 7/8	3/4 X 3/8	S	X	X	X	X	X	—
2 15/16	3/4 X 3/8	S	S	X	X	X	X	X
3	3/4 X 3/8	—	S	X	X	X	X	X
3 1/16	3/4 X 3/8	—	S	X	X	X	X	X
3 1/8	3/4 X 3/8	—	S	X	X	X	X	X
3 3/16	3/4 X 3/8	—	S	X	X	X	X	X
3 1/4	3/4 X 3/8	—	S	X	X	X	X	X
3 5/16	7/8 X 7/16	—	S	S	X	X	X	X
3 3/8	7/8 X 7/16	—	S	S	X	X	X	X
3 7/16	7/8 X 7/16	—	S	S	X	X	X	X
3 1/2	7/8 X 7/16	—	S	S	X	X	X	X
3 9/16	7/8 X 7/16	—	—	S	X	X	X	X
3 5/8	7/8 X 7/16	—	—	S	X	X	X	X
3 11/16	7/8 X 7/16	—	—	S	X	X	X	X
3 3/4	7/8 X 7/16	—	—	S	X	X	X	X
3 13/16	7/8 X 7/16	—	—	S	X	X	X	X
3 7/8	1 X 1/2	—	—	S	S	X	X	X
3 15/16	1 X 1/2	—	—	S	S	X	X	X
4	1 X 1/2	—	—	N	S	X	X	X

		J	M	N	P
4 1/16	1 X 1/2	S	X	X	X
4 1/8	1 X 1/2	S	X	X	X
4 3/16	1 X 1/2	S	X	X	X
4 1/4	1 X 1/2	S	X	X	X
4 5/16	1 X 1/2	S	X	X	X
4 3/8	1 X 1/2	S	X	X	X
4 7/16	1 X 1/2	S	X	X	X
4 1/2	1 X 1/2	S	X	X	X
4 9/16	1 X 1/2	S	X	X	X
4 5/8	1 1/4 X 5/8	—	X	X	X
4 11/16	1 1/4 X 5/8	—	X	X	X
4 3/4	1 1/4 X 5/8	—	S	X	X
4 13/16	1 1/4 X 5/8	—	S	X	X
4 7/8	1 1/4 X 5/8	—	S	X	X
4 15/16	1 1/4 X 5/8	—	S	X	X
5	1 1/4 X 5/8	—	S	X	X
5 1/16	1 1/4 X 5/8	—	S	X	X
5 1/8	1 1/4 X 5/8	—	S	S	X
5 3/16	1 1/4 X 5/8	—	S	S	X
5 1/4	1 1/4 X 5/8	—	S	S	X
5 5/16	1 1/4 X 5/8	—	S	S	X
5 3/8	1 1/4 X 5/8	—	S	S	X
5 7/16	1 1/4 X 5/8	—	S	S	X
5 1/2	1 1/4 X 5/8	—	S	S	X

Stock Inch Bore Bushings

Table No. 1 (Cont.)

Stock Bores	Keyseat	N	P
5 9/16	1 1/2 X 3/4	S	X
5 5/8	1 1/2 X 3/4	S	X
5 11/16	1 1/2 X 3/4	S	X
5 3/4	1 1/2 X 3/4	S	X
5 13/16	1 1/2 X 3/4	S	X
5 7/8	1 1/2 X 3/4	S	S
5 15/16	1 1/2 X 3/4	—	S
6	1 1/2 X 3/4	—	S
6 1/16	1 1/2 X 3/4	—	S
6 1/8	1 1/2 X 3/4	—	S
6 3/16	1 1/2 X 3/4	—	S
6 1/4	1 1/2 X 3/4	—	S
6 5/16	1 1/2 X 3/4	—	S
6 3/8	1 1/2 X 3/4	—	S
6 7/16	1 1/2 X 3/4	—	S
6 1/2	1 1/2 X 3/4	—	S
6 9/16	1 3/4 X 3/4	—	S
6 5/8	1 3/4 X 3/4	—	S
6 11/16	1 3/4 X 3/4	—	S
6 3/4	1 3/4 X 3/4	—	S
6 13/16	1 3/4 X 3/4	—	S
6 7/8	1 3/4 X 3/4	—	S
6 15/16	1 3/4 X 3/4	—	S
7	1 3/4 X 3/4	—	S

Stock Millimeter Bore Bushings

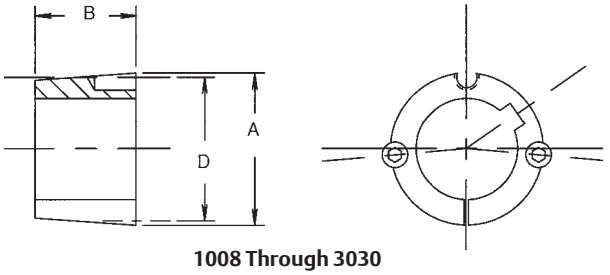
Table No. 2

Stock Bores	Keyseat (Millimeters)	SH	SDS	SD	SK	SF	E	F	J
24	8 X 3.5	X	X	X	X	—	—	—	—
25	8 X 3.5	X	X	X	X	—	—	—	—
28	8 X 3.5	X	X	X	X	X	—	—	—
30	8 X 3.5	X	X	X	X	X	—	—	—
32	10 X 4	X	X	X	X	X	—	—	—
35	10 X 4	X	X	X	X	X	—	—	—
38	10 X 4	—	X	X	X	X	X	—	—
40	12 X 4	—	X	X	X	X	X	—	—
42	12 X 4	—	X	X	X	X	X	—	—
45	14 X 4.5	—	—	—	—	X	X	X	—
48	14 X 4.5	—	S	—	X	X	X	X	—
50	14 X 4.5	—	—	—	X	X	X	X	X
55	16 X 5	—	—	—	X	X	X	X	X
60	18 X 5.5	—	—	—	—	X	X	X	X
65	18 X 5.5	—	—	—	—	—	X	X	X
70	20 X 6	—	—	—	—	—	X	X	X
75	20 X 6	—	—	—	—	—	X	X	X
80	22 X 7	—	—	—	—	—	—	X	X
85	22 X 7	—	—	—	—	—	—	X	X
90	25 X 7	—	—	—	—	—	—	X	X
95	25 X 7	—	—	—	—	—	—	—	X
100	28 X 8	—	—	—	—	—	—	—	X

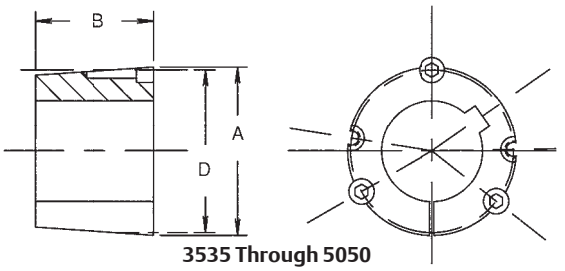
*Bushings with 5/16 X 5/32" Keyway will be shipped unless the 3/8 x 3/16 Keyway is specified on the order.

X = Stock Bore with Standard Keyway
N = Stock Bore with No Keyway
S = Stock Bore with Shallow Keyway, Rectangular Key is furnished to fit standard keyseat.

A



1008 Through 3030



3535 Through 5050

Table No. 1

Bushing Specifications and Dimensions (inches)

Bushing No.	A	B	D Bolt Circle	Cap Screws		Stock Bore Range			Wrench Torque In. Lbs.	Torque Cap. Lb.In.	Wt. (Apx.) Lbs.
				Dia.	Length	Min.	Max Std. Kw.	Max Shallow Kw.			
1008	1 25/64	7/8	1 21/64	1/4	1/2	1/2	7/8	1	55	1,200	.27
1108	1.511	7/8	1 29/64	1/4	1/2	1/2	1	1 1/8	55	1,300	.33
1210	1 7/8	1	1 3/4	3/8	5/8	1/2	1 1/4	1 1/4	175	3,600	.61
1215	1 7/8	1 1/2	1 3/4	3/8	5/8	1/2	1 1/4	1 1/4	175	3,550	.80
1610	2 1/4	1	2 1/8	3/8	5/8	1/2	1 1/2	1 5/8	175	4,300	.90
1615	2 1/4	1 1/2	2 1/8	3/8	5/8	1/2	1 1/2	1 5/8	175	4,300	1.2
2012	2 3/4	1 1/4	2 5/8	7/16	7/8	1/2	1 7/8	2	280	7,150	1.7
2517	3 3/8	1 3/4	3 1/4	1/2	1	1/2	2 1/4	2 1/2	430	11,600	3.5
2525	3 3/8	2 1/2	3 1/4	1/2	1	3/4	2 1/4	2 1/2	430	11,300	4.9
3020	4 1/4	2	4	5/8	1 1/4	15/16	2 3/4	3	800	24,000	6.5
3030	4 1/4	3	4	5/8	1 1/4	15/16	2 3/4	3	800	24,000	9.2
3535	5	3 1/2	4.83	1/2	1 1/2	1 3/16	3 1/4	3 1/2	1000	44,800	14.0
4040	5 3/4	4	5.54	5/8	1 3/4	1 7/16	3 5/8	4	1700	77,300	22.0
4545	6 3/8	4 1/2	6.13	3/4	2	1 15/16	4 1/4	4 1/2	2450	110,000	30.0
5050	7	5	6.72	7/8	2 1/4	2 7/16	4 1/2	5	3100	126,000	38.0

Table No. 2

Stock Bushing Bores

	1008	**1108**	**1210**	**1215**	**1610**	**1615**	**2012**	**2517**	**2525**	**3020**	**3030**	**3535**
1/2	X	X	X	X	X	X	X	X	—	—	—	—
9/16	X	X	X	X	X	X	X	X	—	—	—	—
5/8	X	X	X	X	X	X	X	X	—	—	—	—
11/16	X	X	X	X	X	X	X	X	—	—	—	—
3/4	X	X	X	X	X	X	X	X	X	—	—	—
13/16	X	X	X	X	X	X	X	X	X	—	—	—
7/8	X	X	X	X	X	X	X	X	X	—	—	—
15/16	X	X	X	X	X	X	X	X	X	X	X	—
1	X	X	X	X	X	X	X	X	X	X	X	—
1 1/16	—	X	X	X	X	X	X	X	X	X	X	—
1 1/8	—	X	X	X	X	X	X	X	X	X	X	—
1 3/16	—	—	X	X	X	X	X	X	X	X	X	X
1 1/4	—	—	X	X	X	X	X	X	X	X	X	X
1 5/16	—	—	—	—	X	X	X	X	X	X	X	X
1 3/8	—	—	—	—	X	X	X	X	X	X	X	X
	1610	**1615**	**2012**	**2517**	**2525**	**3020**	**3030**	**3535**	**4040**	**4545**	**5050**	
1 7/16	X	X	X	X	X	X	X	X	X	—	—	
1 1/2	X	X	X	X	X	X	X	X	X	—	—	
1 9/16	X	X	X	X	X	X	X	X	—	—	—	
1 5/8	X	X	X	X	X	X	X	X	X	—	—	
1 11/16	—	—	X	X	X	X	X	X	X	—	—	
1 3/4	—	—	X	X	X	X	X	X	X	—	—	
1 13/16	—	—	X	X	X	X	X	—	X	—	—	
1 7/8	—	—	X	X	X	X	X	X	X	—	—	
1 15/16	—	—	X	X	X	X	X	X	X	X	—	
2	—	—	—	X	X	X	X	X	X	X	X	
2 1/16	—	—	—	X	X	X	X	—	—	—	—	
2 1/8	—	—	—	X	X	X	X	X	X	—	—	
2 3/16	—	—	—	X	X	X	X	X	X	X	—	
2 1/4	—	—	—	X	X	X	X	X	X	—	—	
2 5/16	—	—	—	X	X	X	X	X	X	—	—	
2 3/8	—	—	—	X	X	X	X	X	X	X	—	
2 7/16	—	—	—	X	X	X	X	X	X	X	X	
2 1/2	—	—	—	X	X	X	X	X	X	—	X	
2 9/16	—	—	—	—	—	X	X	—	X	—	—	
2 5/8	—	—	—	—	—	X	X	X	X	X	—	

Table No. 2 (Cont'd.)

Stock Bores

	3020	**3030**	**3535**	**4040**	**4545**	**5050**
2 11/16	X	X	X	X	—	—
2 3/4	X	X	X	X	X	—
2 13/16	X	X	—	X	—	—
2 7/8	X	X	X	X	X	—
2 15/16	X	X	X	X	X	X
3	X	X	X	X	X	—
3 1/16	—	—	X	—	—	—
3 1/8	—	—	X	X	X	—
3 3/16	—	—	X	X	X	—
3 1/4	—	—	X	X	X	—
3 5/16	—	—	X	X	—	—
3 3/8	—	—	X	X	X	X
3 7/16	—	—	X	X	X	X
3 1/2	—	—	X	X	X	—
3 9/16	—	—	—	X	—	—
3 5/8	—	—	—	X	X	X
3 11/16	—	—	—	X	X	—
3 3/4	—	—	—	X	X	—
3 13/16	—	—	—	X	—	—
3 7/8	—	—	—	X	X	X
3 15/16	—	—	—	X	X	X
4	—	—	—	X	X	X
4 1/8	—	—	—	—	X	—
4 3/16	—	—	—	—	X	—
4 1/4	—	—	—	—	X	X
4 3/8	—	—	—	—	X	X
4 7/16	—	—	—	—	X	X
4 1/2	—	—	—	—	X	X
4 7/8	—	—	—	—	—	X
4 15/16	—	—	—	—	—	X
5	—	—	—	—	—	X

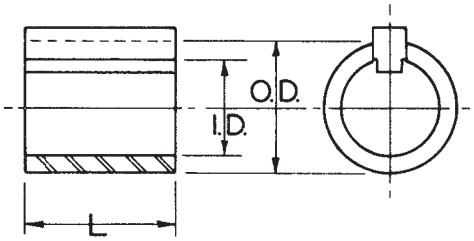
Table No. 3

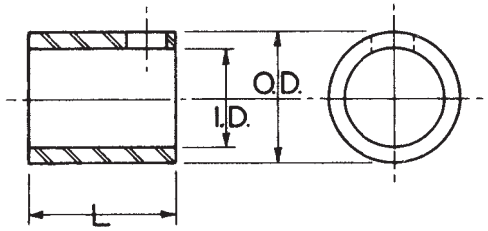
Standard Keyseats

Bore Range	Keyseat	Bore Range	Keyseat
1/2 - 9/16	1/8 X 1/16	2 5/16 - 2 3/4	5/8 x 5/16
5/8 - 7/8	3/16 X 3/32	2 13/16 - 3 1/4	3/4 x 3/8
15/16 - 1 1/4	1/4 X 1/8	3 3/8 - 3 3/4	7/8 x 7/16
1 5/16 - 1 3/8	5/16 X 5/32	3 7/8 - 4 1/2	1 x 1/2
1 7/16 - 1 3/4	3/8 X 3/16	4 5/8 - 5	1 1/4 x 5/8
1 13/16 - 2 1/4	1/2 X 1/4		

1 3/8 Bore Bushings also available with 3/8 X 3/16 Kw.

INCREASE APPLICATION OF FINISHED BORE ITEMS!





FHPK Bushings

Table No. 1

Bushing Part No.	O.D.	I.D.	Length	Key	Wt. Per Carton
FHP23K	5/8"	1/2"	1 1/8"	3/16" X 5/32" — 1/8" X 1/16"	.3
FHP1K	3/4	1/2	1 1/8	3/16 X 7/32 — 1/8 X 1/16	.5
FHP8K	3/4	9/16	1 1/8	3/16 X 5/32 — 1/8 X 1/16	.4
FHP2K	3/4	5/8	1 1/8	3/16 X 1/4	.3
FHP3K	1	5/8	1 1/8	1/4 X 5/16 — 3/16 X 3/32	.8
FHP9K	1	11/16	1 1/8	1/4 X 9/32 — 3/16 X 3/32	.7
FHP4K	1	3/4	1 1/8	1/4 X 1/4 — 3/16 X 3/32	.6
FHP10K	1	13/16	1 1/8	1/4 X 7/32 — 3/16 X 3/32	.5
FHP5K	1	7/8	1 1/8	1/4 X 5/32 — 3/16 X 3/32	.4
FHP20K	1	15/16	1 1/8	1/4 X 9/32	.3
FHP12K	1 7/16	1 1/16	1 3/8	3/8 X 11/32 — 1/4 X 1/8	1.6
FHP13K	1 7/16	1 1/8	1 3/8	3/8 X 5/16 — 1/4 X 1/8	1.4
FHP14K	1 7/16	1 3/16	1 3/8	3/8 X 9/32 — 1/4 X 1/8	1.2
FHP15K	1 7/16	1 1/4	1 3/8	3/8 X 1/4 — 1/4 X 1/8	1.0
FHP16K	1 7/16	1 5/16	1 3/8	3/8 X 7/32 — 5/16 X 5/32	.7
FHP17K	1 7/16	1 3/8	1 3/8	3/8 X 3/16 — 5/16 X 5/32	.5

"FHPK" Bushings are furnished complete with Keys and are packaged 5 pieces per carton. NOTE — These bushings are held in place by fit and friction only.

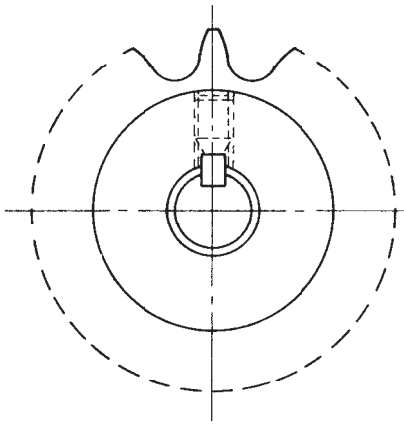
FHP Bushings

Table No. 2

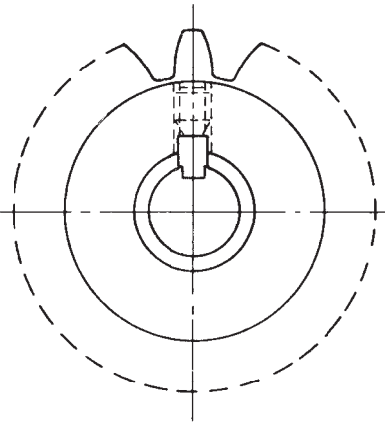
Bushing Part No.	O.D.	I.D.	Length	Wt. Per Carton
FHP18	1/2"	1/4"	1 1/8"	.3
FHP21	1/2	5/16	1 1/8	.2
FHP22	1/2	3/8	1 1/8	.2
FHP19	1/2	7/16	1 1/8	.1
FHP23	5/8	1/2	1 1/8	.3
FHP6	3/4	3/8	1 1/8	.5
FHP7	3/4	7/16	1 1/8	.5
FHP1	3/4	1/2	1 1/8	.4
FHP8	3/4	9/16	1 1/8	.3
FHP2	3/4	5/8	1 1/8	.2
FHP11	1	1/2	1 1/8	1.0
FHP3	1	5/8	1 1/8	.8
FHP9	1	11/16	1 1/8	.7
FHP4	1	3/4	1 1/8	.6
FHP10	1	13/16	1 1/8	.4
FHP5	1	7/8	1 1/8	.3
FHP20	1	15/16	1 1/8	.2
FHP12	1 7/16	1 1/16	1 3/8	1.4
FHP13	1 7/16	1 1/8	1 3/8	1.2
FHP14	1 7/16	1 3/16	1 3/8	1.0
FHP15	1 7/16	1 1/4	1 3/8	.8
FHP16	1 7/16	1 5/16	1 3/8	.5
FHP17	1 7/16	1 3/8	1 3/8	.3

"FHP" Bushings are furnished without Keys or Keyseats and should be used only on low torque applications. They are packaged 5 pieces per carton.

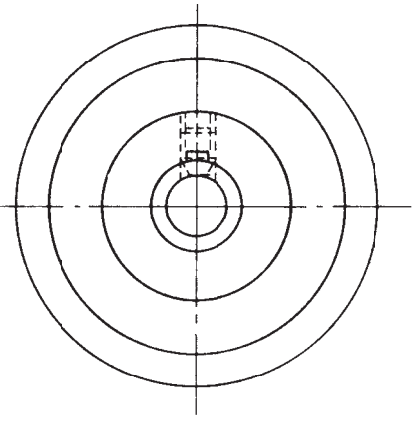
TYPICAL APPLICATIONS



Sprocket with ¾" bore, 3/16 x 3/32 Keyway, reduced to ⅜ bore with FHP2K bushing and 3/16 x ¼ Key. Key is furnished with bushing.



Gear with 1" bore, ¼ x ⅛ Keyway, reduced to ¾ bore with FHP4K bushing and ¼ x ¼-3/16 x 3/32 Key. Key is furnished with bushing.



FHP Sheave with ¾" bore reduced to ½" bore with FHP1 bushing. Note—Setscrew extends through hole in bushing to shaft.

A

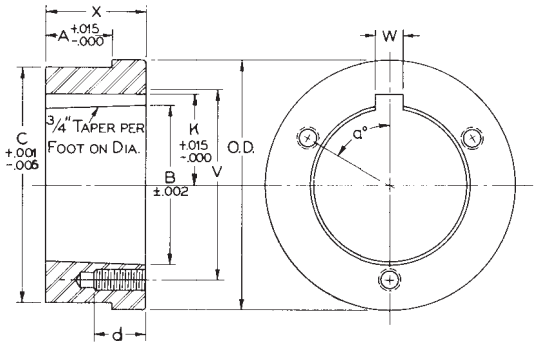


Table No. 1

Steel Hubs for Split Taper Bushings

Part No.	For Bushing	Dimensions								Tapped Holes			Wt. Lbs.
		O.D.	A	B	C	K	V	W	X	a	d	No.	Size	
HG1	G	2"	.174"	1.168	1.875"	—	1 9/16"	—	5/8"	—	5/8"	2	1/4-20	.4
HH1	H	2 1/2	.174	1.621	2.375	—	2	—	7/8	—	7/8	2	1/4-20	.6
HCH1	H	2 1/2	.625	1.621	2.375	—	2	—	7/8	—	7/8	2	1/4-20	.7
HP1	P1	3	.292	1.9375	2.875	1 3/32"	2 7/16	3/8"	1 5/16	60°	5/8	3	5/16-18	1.4
HCP1	P1	3	1.000	1.9375	2.875	1 3/32	2 7/16	3/8	1 5/16	60	5/8	3	5/16-18	1.1
HP2	P2	3	1.100	1.9375	2.875	1 3/32	2 7/16	3/8	2 5/16	60	5/8	3	5/16-18	2.5
HB1	B	3 7/8	.292	2.623	3.750	1 7/16	3 1/8	1/2	1 5/16	60	13/16	3	5/16-18	2.3
HB2	B	4 1/2	.709	2.623	4.375	1 7/16	3 1/8	1/2	1 3/4	60	13/16	3	5/16-18	4.7
HQ1	Q1	4 1/2	.709	2.875	4.375	1 9/16	3 3/8	1/2	1 3/4	60	7/8	3	3/8-16	4.4
HCQ1	Q1	4 1/2	1.250	2.875	4.375	1 9/16	3 3/8	1/2	1 3/4	60	7/8	3	3/8-16	4.4
HQ2	Q2	4 1/2	1.606	2.875	4.375	1 9/16	3 3/8	1/2	2 3/4	60	7/8	3	3/8-16	6.9
HR1	R1	5 3/4	.709	4.000	5.625	2 3/16	4 5/8	3/4	2	60	1 1/8	3	3/8-16	7.3
HR2	R2	5 3/4	1.606	4.000	5.625	2 3/16	4 5/8	3/4	4	60	1 1/8	3	3/8-16	15.4
HS1	S1	6 3/4	.946	4.625	6.500	2 9/16	5 3/8	3/4	3 5/16	60	1 5/8	3	1/2-13	17.3
HS2	S2	6 3/4	2.963	4.625	6.500	2 9/16	5 3/8	3/4	5 11/16	60	1 5/8	3	1/2-13	30.4
HU0	U0	8 1/2	2.000	6.000	8.250	3 1/4	7	1 1/4	3 3/4	60	2	3	5/8-11	32.0
HU1	U1	8 1/2	2.963	6.000	8.250	3 1/4	7	1 1/4	5 5/8	60	1 3/4	3	5/8-11	44.6
HU2	U2	8 1/2	6.016	6.000	8.250	3 1/4	7	1 1/4	8 5/8	60	1 3/4	3	5/8-11	69.0
HW1	W1	12 1/2	2.963	8.500	12.250	4 9/16	10	1 1/4	6 3/8	22 1/2	1 3/4	4	3/4-10	130.0

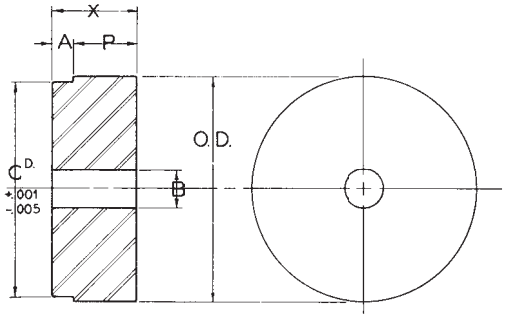


Table No. 2

Type "B" Steel Hubs

Part No.	Dimensions					Bore		Wt. Lbs.
	O.D.	A	C	P	X	Stock	Max.	
HB40	3"	.281"	2.875"	27/32"	1 1/8"	1/2"	1 7/8"	2.3
HB50	3 1/4	.344	3.125	1 1/32	1 3/8	5/8	2 1/4	3.0
HB60	4	.469	3.875	1 1/32	1 1/2	5/8	2 3/8	5.0
HB80	5	.563	4.875	1 1/2	2 1/16	3/4	3	11.1
HB100	5 1/4	.688	5.125	2 1/16	2 3/4	1	3 1/4	16.3

NOTE — "A" dimension is plate thickness of sprocket for chain indicated in part number. Other plates can be used by remachining "A" dimension.

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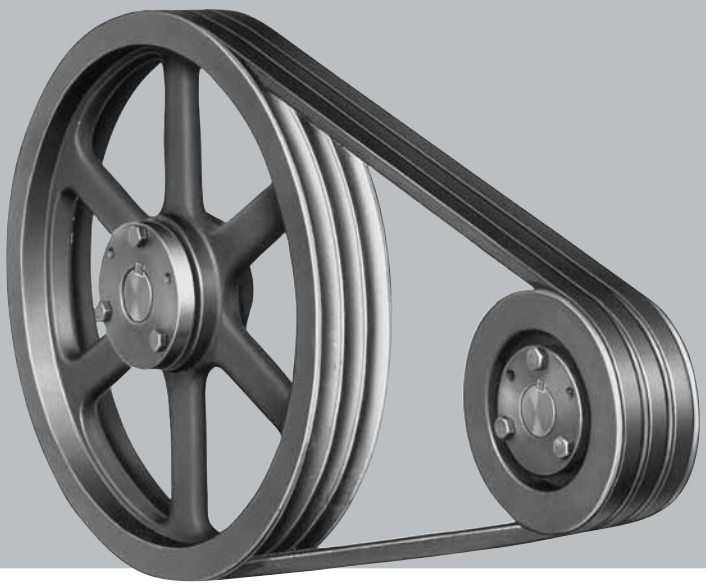
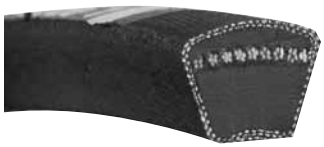


LVP variable speed sheave

MVP variable speed sheave



Super Gripbelt®

Multiple sheave

"358" sheave

* Poly-V is believed to be the trademark and/or trade name of Veyance Technologies, Inc., and is not owned or controlled by Emerson Power Transmission.

CLASSICAL GRIPBELT® SHEAVES - BUSHING TYPE

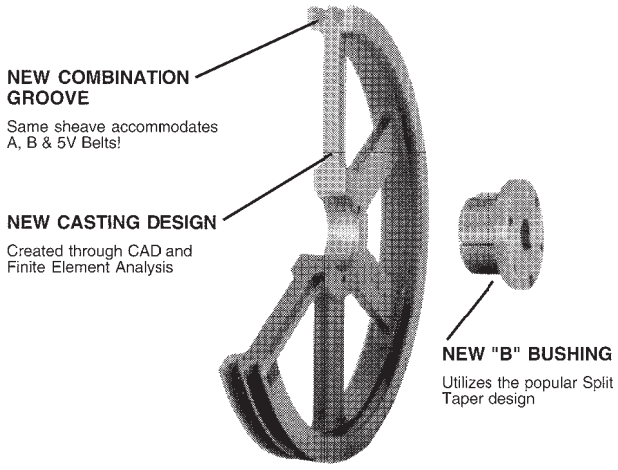
Belt Size	Type		Number of Grooves								
			1	2	3	4	5	6	7,8	10	12
A	AKH	DD	2.8-18.0	2.8-18.0							
		Bore	1/2" - 1 1/2"	1/2" - 1 1/2"							
	AK	DD	1.8 - 18.0	1.8 - 18.0							
		Bore*	3/8-1 7/16	1/2-1 7/16							
A-B	BKH	DD	2.8-18.4	3.0-18.4							
		Bore	1/2 - 1 1/2	1/2 - 1 1/2							
	BK	DD	2.2-18.4	2.3-18.4							
		Bore*	3/8-1 7/16	1/2-1 7/16							
	B5V	A DD	3.8-27.3	3.8-27.3	3.8-27.3	3.8-27.3	3.8 - 24.5	3.8 - 24.5			
		B DD	4.2-27.8	4.2-27.8	4.2-27.8	4.2-27.8	4.2 - 25.0	4.2 - 25.0			
		Bore	1/2-2 7/16	1/2-2 7/16	1/2-2 7/16	1/2-2 7/16	3/4 - 3 3/4	3/4 - 3 3/4			
	TB	A DD	3.0-37.5	3.0-37.5	3.0-37.5	3.0-37.5	3.0-37.5	3.0-37.5			
		B DD	3.4-38.0	3.4-38.0	3.4-38.0	3.4-38.0	3.4-38.0	3.4-38.0			
		Bore	1/2-2 11/16	1/2-2 11/16	1/2-2 11/16	1/2-2 11/16	3/4"-2 5/8"	3/4"-2 5/8"			
	B	A DD	5.0-37.5	5.0-37.5	5.0-37.5	5.0-37.5	6.6-37.5	6.6-37.5	5.0-37.5	5.0-37.5	
		B DD	5.4-38.0	5.4-38.0	5.4-38.0	5.4-38.0	7.0-38.5	7.0-38.0	5.4-38.0	5.4-38.0	
		Bore	3/4-3 3/4	3/4-3 3/4	3/4-3 3/4	3/4-3 3/4	1 1/8-3 3/4	1 1/8-3 3/4	1"-4 1/4"	1"-5"	
C	TC	DD	7.0-24.0	7.0-24.0	7.0-24.0	7.0-24.0	7.0-24.0	7.0-24.0			
		Bore	3/4-2 11/16	3/4-2 11/16	3/4-2 11/16	1-2 5/8	1-2 5/8	1-2 5/8			
	C	DD	5.6-6.0	5.6-44.0	5.6-50.0	5.6-50.0	9.0-50.0	9.0-50.0	7.0-50.0	8.0-50.0	9.0-50.0
		Bore	1/2-1 3/4	1/2-3 3/4	3/4-4 1/4	3/4-5	1 1/8-5	1 3/4-5	1 3/8-5	1 3/8-5	1 7/8"-5"
D	D	DD				12.0-33.0	12.0-33.0	12.0-48.0	12.0-48.0	12.0-48.0	12.0-20.0
						1 3/8-4 1/4	1 3/8-4 1/4	1 7/8-4 3/16	1 7/8-5	1 7/8-5	2 7/16-5

*AK and BK are finished bore type.

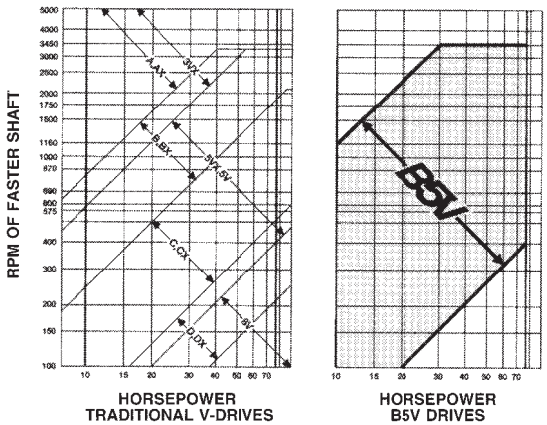
"358" GRIPBELT® SHEAVES

Belt Size	Type		Number of Grooves								
			1	2	3	4	5	6	8	10	12,14,16
3V	Bushing Type	PD	2.60-24.95	2.60-24.95	2.60-33.45	2.60-33.45	4.70-33.45	4.70-33.45	4.70-33.45	4.70-33.45	
		Bore	3/8"-2 11/16"	3/8"-2 11/16"	3/8"-3 3/4"	3/8"-3 3/4"	1/2"-3 3/4"	3/4"-3 3/4"	1"-4 1/4"	1"-4 1/4"	
	Finished Bore	PD	2.60-3.30	2.60-3.30	2.60-3.30	2.60-3.30					
		Bore	5/8-7/8	3/4-1 1/8	7/8-1 1/8	7/8-1 3/8					
5V	Bushing Type	PD	4.3-27.90	4.3-27.90	4.3-49.90	4.3-49.90	4.3-49.90	7.0-49.90	7.0-49.90	7.9-49.90	
		Bore	1/2-2 7/8	1/2-3 3/4	1/2-5	1/2-5	3/4-5	1-5	1-5	1 3/8-5	
8V	Bushing Type	PD				12.3-63.8	12.3-63.8	12.3-63.8	12.3-63.8	12.3-63.8	12.3-63.8
		Bore				1 11/16-5	1 11/16-5	1 11/16-5	1 7/8-7 7/16	2 3/8-7 7/16	2 7/16"-7 7/16"

Classical and "358" Gripbelt Sheaves are available in either of two bushing types: Split Taper or QD.



B5V® serves 90% of all 10-125 HP applications!



A

Table No. 1

1 Groove "A" and "B" Sheaves

Datum Diameters		To 10 HP						Over 10 HP		
"A" Belts	"B" Belts	AS Page A-21	AK Page A-23	AKH Page A-24	BS Page A-21	BK Page A-27	BKH Page A-28	B5V Page A-32	TB Page A-35	Q-D Page A-43
1.25"	—	AS15	—	—	—	—	—	—	—	—
1.5	—	AS17	AK17"	—	—	—	—	—	—	—
1.8	2.0	AS20	AK20*	—	BS24	BK24*	—	—	—	—
1.9	2.3	AS21	AK21*	—	BS25	BK25*	—	—	—	—
2.0	2.4	AS22	AK22*	—	BS26	BK26*	—	—	—	—
2.1	2.5	AS23	AK23*	—	BS27	BK27*	—	—	—	—
2.2	2.6	—	—	—	BS28	BK28*	—	—	—	—
2.3	2.7	AS25	AK25*	—	—	—	—	—	—	—
2.4	2.8	AS26	AK26*	—	BS30	BK30*	BK30H	—	—	—
2.5	2.9	AS27	AK27*	—	—	—	—	—	—	—
2.6	3.0	AS28	AK28*	—	BS32	BK32*	BK32H	—	—	—
2.8	3.2	AS30	AK30*	AK30H	—	BK34	BK34H	—	—	—
3.0	3.4	AS32	AK32*	AK32H	—	BK36	BK36H	—	1TB34(P1)	1B34SH
3.2	3.6	AS34	AK34*	AK34H	—	BK40	BK40H	—	1TB36(P1)	1B36SH
3.4	3.8	—	—	—	—	—	—	—	1TB38(P1)	1B38SH
3.5	3.9	—	AK39	AK39H	—	BK45	BK45H	—	—	—
3.6	4.0	—	—	—	—	—	—	—	1TB40(P1)	1B40SH
3.7	4.1	—	AK41	AK41H	—	BK47	BK47H	—	—	—
3.8	4.2	—	—	—	—	—	—	1B5V42(P1)	1TB42(P1)	1B42SH
4.0	4.4	—	AK44	AK44H	—	BK50	BK50H	1B5V44(P1)	1TB44(P1)	1B44SH
4.2	4.6	—	AK46	AK46H	—	BK52	BK52H	1B5V46(B)	1TB46(P1)	1B46SDS
4.4	4.8	—	—	—	—	—	—	1B5V48(B)	1TB48(P1)	1B48SDS
4.5	4.9	—	AK49	AK49H	—	BK55	BK55H	—	—	—
4.6	5.0		—	—	—	—	—	1B5V50(B)	1TB50(P1)	1B50SDS
4.7	5.1	—	AK51	AK51H	—	BK57	BK57H	—	—	—
4.8	5.2	—	—	—	—	—	—	1B5V52(B)	1TB52(P1)	1B52SDS
5.0	5.4	—	AK54	AK54H	—	BK60	BK60H	1B5V54(B)	1TB54(P1)	1B54SDS
5.2	5.6	—	AK56	AK56H	—	BK62	BK62H	1B5V56(B)	1TB56(P1)	1B56SDS
5.4	5.8	—	—	—	—	—	—	1B5V58(B)	1TB58(P1)	1B58SDS
5.5	5.9	—	AK59	AK59H	—	BK65	BK65H	—	—	—
5.6	6.0	—	—	—	—	—	—	1B5V60(B)	1TB60(P1)	1B60SDS
5.7	6.1	—	AK61	AK61H	—	BK67	BK67H	—	—	—
5.8	6.2	—	—	—	—	—	—	1B5V62(B)	1TB62(P1)	1B62SDS
6.0	6.4	—	AK64	AK64H	—	BK70	BK70H	1B5V64(B)	1TB64(P1)	1B64SDS
6.2	6.6	—	AK66	AK66H	—	BK72	BK72H	1B5V66(B)	1TB66(P1)	1B66SDS
6.4	6.8	—	—	—	—	—	—	1B5V68(B)	1TB68(P1)	1B68SDS
6.5	6.9	—	AK69	AK69H	—	BK75	BK75H	—	—	—
6.6	7.0	—	—	—	—	—	—	1B5V70(B)	1TB70(P1)	1B70SDS
6.7	7.1	—	AK71	AK71H	—	BK77	BK77H	—	—	—
7.0	7.4	—	AK74*	AK74H	—	BK80	BK80H	1B5V74(B)	1TB74(P1)	1B74SDS
7.5	7.9	—	AK79*	AK79H	—	BK85	BK85H	—	—	—
7.6	8.0	—	—	—	—	—	—	1B5V80(B)	1TB80(P1)	1B80SDS
8.0	8.4	—	AK84*	AK84H	—	BK90	BK90H	—	—	—
8.2	8.6	—	—	—	—	—	—	1B5V86(B)	1TB86(P1)	1B86SDS
8.5	8.9	—	AK89*	AK89H	—	BK95	BK95H	—	—	—
8.6	9.0	—	—	—	—	—	—	1B5V90(B)	1TB90(P1)	—
9.0	9.4	—	AK94*	AK94H	—	BK100	BK100H	1B5V94(B)	1TB94(P1)	1B94SDS
9.5	9.9	—	AK99*	AK99H	—	BK105	BK105H	—	—	—
10.0	10.4	—	AK104*	AK104H	—	BK110	BK110H	—	—	—
10.5	10.9	—	AK109*	AK109H	—	BK115	BK115H	—	—	—
10.6	11.0	—	—	—	—	—	—	1B5V110(B)	1TB110(P1)	1B110SDS
11.0	11.4	—	AK114*	AK114H	—	BK120	BK120H	—	—	—
12.0	12.4	—	AK124*	AK124H	—	BK130	BK130H	1B5V124(B)	1TB124(Q1)	1B124SDS
13.0	13.4	—	AK134	AK134H	—	BK140	BK140H	—	—	—
13.2	13.6	—	—	—	—	—	—	1B5V136(B)	1TB136(Q1)	1B136SDS
14.0	14.4	—	AK144	AK144H	—	—	BK150H	—	—	—
15.0	15.4	—	AK154	AK154H	—	BK160	BK160H	1B5V154(B)	1TB154(Q1)	1B154SK
15.6	16.0	—	—	—	—	—	—	1B5V160(B)	1TB160(Q1)	1B160SK
18.0	18.4	—	AK184	AK184H	—	BK190	BK190H	1B5V184(B)	1TB184(Q1)	1B184SK
19.5	20.0	—	—	—	—	—	—	1B5V200(B)	1TB200(Q1)	1B200SK
22.9	23.4	—	—	—	—	—	—	1B5V234(B)	—	—
24.5	25.0	—	—	—	—	—	—	1B5V250(B)	1TB250(Q1)	—
27.3	27.8	—	—	—	—	—	—	1B5V278(B)	—	—
29.5	30.0	—	—	—	—	—	—	—	1TB300(Q1)	—
37.5	38.0	—	—	—	—	—	—	—	1TB380(Q1)	—

*Do not use with Gripnotch ("AX" or "BX") Belts.
"A" Belts will work in "B" Sheaves but "B" belts will not work in "A" Sheaves.
"TB" and "B" Sheaves cannot be used with "5V" Sheaves.
Letter Suffix on Part Number AKH, BKH and Q-D Sheaves indicate Bushing Size; Bushing Size is shown in parentheses for TA, B5V and TB Sheaves.

Table No. 2

Split Taper Bushing Bores

Bushing	Bore Range
H	3/8 - 1 1/2"
P1	1/2 - 1 3/4
B	1/2 - 2 7/16
Q1	3/4 - 2 11/16

Table No. 3

Q-D® Bushing Bores

Bushing	Bore Range
SH	1/2 - 1 5/8"
SDS	1/2 - 2
SK	1/2 - 2 5/8

Table No. 1

2 Groove "A" and "B" Sheaves

Datum Diameters		To 10 HP				Over 10 HP			
"A" Belts	"B" Belts	**AK** Page A-25	**AKH** Page A-26	**BK** Page A-29	**BKH** Page A-30	**B5V** Page A-32	**TB** Page A-36	**B** Page A-39	**Q-D** Page A-43
1.8"	—	2AK20	—	—	—	—	—	—	—
1.9	2.3	2AK21	—	2BK25	—	—	—	—	—
2.0	—	2AK22	—	—	—	—	—	—	—
2.1	2.5	2AK23	—	2BK27	—	—	—	—	—
2.2	2.6	—	—	2BK28	—	—	—	—	—
2.3	—	2AK25	—	—	—	—	—	—	—
2.4	2.8	2AK26	—	2BK30	—	—	—	—	—
2.5	—	2AK27	—	—	—	—	—	—	—
2.6	3.0	2AK28	—	2BK32	2BK32H	—	—	—	—
2.8	3.2	2AK30	2AK30H	2BK34	2BK34H	—	—	—	—
3.0	3.4	2AK32	2AK32H	2BK36	2BK36H	—	2TB34(P1)	—	2B34SH
3.2	3.6	2AK34	2AK34H	2BK40	2BK40H	—	2TB36(P1)	—	2B36SH
3.4	3.8	—	—	—	—	—	2TB38(P1)	—	2B38SH
3.5	3.9	2AK39	2AK39H	2BK45	2BK45H	—	—	—	—
3.6	4.0	—	—	—	—	—	2TB40(P1)	—	2B40SH
3.7	4.1	2AK41	2AK41H	2BK47	2BK47H	—	—	—	—
3.8	4.2	—	—	—	—	2B5V42(P1)	2TB42(P1)	—	2B42SH
4.0	4.4	2AK44	2AK44H	2BK50	2BK50H	2B5V44(P1)	2TB44(P1)	—	2B44SH
4.2	4.6	2AK46	2AK46H	2BK52	2BK52H	2B5V46(B)	2TB46(P1)	—	2B46SDS
4.4	4.8	—	—	—	—	2B5V48(B)	2TB48(P1)	—	2B48SDS
4.5	4.9	2AK49	2AK49H	2BK55	2BK55H	—	—	—	—
4.6	5.0	—	—	—	—	2B5V50(B)	2TB50(P1)	—	2B50SDS
4.7	5.1	2AK51	2AK51H	2BK57	2BK57H	—	—	—	—
4.8	5.2	—	—	—	—	2B5V52(B)	2TB52(P1)	—	2B52SDS
5.0	5.4	2AK54	2AK54H	2BK60	2BK60H	2B5V54(B)	2TB54(P1)	2B54Q(Q1)	2B54SDS
5.2	5.6	2AK56	2AK56H	2BK62	2BK62H	2B5V56(B)	2TB56(P1)	2B56Q(Q1)	2B56SDS
5.4	5.8	—	—	—	—	2B5V58(B)	2TB58(P1)	2B58Q(Q1)	2B58SDS
5.5	5.9	2AK59	2AK59H	2BK65	2BK65H	—	—	—	—
5.6	6.0	—	—	—	—	2B5V60(B)	2TB60(P1)	2B60Q(Q1)	2B60SDS
5.7	6.1	2AK61	2AK61H	2BK67	2BK67H	—	—	—	—
5.8	6.2	—	—	—	—	2B5V62(B)	2TB62(P1)	2B62Q(Q1)	2B62SDS
6.0	6.4	2AK64	2AK64H	2BK70	2BK70H	2B5V64(B)	2TB64(P1)	2B64Q(Q1)	2B64SDS
6.2	6.6	—	—	—	—	2B5V66(B)	2TB66(P1)	2B66Q(Q1)	2B66SDS
6.4	6.8	—	—	—	—	2B5V68(B)	2TB68(P1)	2B68Q(Q1)	2B68SDS
6.6	7.0	—	—	—	—	2B5V70(B)	2TB70(Q1)	—	2B70SK
7.0	7.4	2AK74	2AK74H	2BK80	2BK80H	2B5V74(B)	2TB74(Q1)	—	2B74SK
7.6	8.0	—	—	—	—	2B5V80(B)	2TB80(Q1)	—	2B80SK
8.0	8.4	2AK84	2AK84H	2BK90	2BK90H	—	—	—	—
8.2	8.6	—	—	—	—	2B5V86(B)	2TB86(Q1)	—	2B86SK
8.6	9.0	—	—	—	—	2B5V90(B)	2TB90(Q1)	—	—
9.0	9.4	2AK94	2AK94H	2BK100	2BK100H	2B5V94(B)	2TB94(Q1)	—	2B94SK
10.0	10.4	2AK104	2AK104H	2BK110	2BK110H	—	—	—	—
10.6	11.0	—	—	—	—	2B5V110(B)	2TB110(Q1)	—	2B110SK
11.0	11.4	2AK114	2AK114H	2BK120	2BK120H	—	—	—	—
12.0	12.4	2AK124	2AK124H	2BK130	2BK130H	2B5V124(B)	2TB124(Q1)	—	2B124SK
13.0	13.4	2AK134	2AK134H	2BK140	2BK140H	—	—	—	—
13.2	13.6	—	—	—	—	2B5V136(B)	2TB136(Q1)	—	2B136SK
14.0	—	2AK144	2AK144H	—	—	—	—	—	—
15.0	15.4	2AK154	2AK154H	2BK160	2BK160H	2B5V154(B)	2TB154(Q1)	2B154R(R1)	2B154SK
15.6	16.0	—	—	—	—	2B5V160(B)	2TB160(Q1)	2B160R(R1)	2B160SK
18.0	18.4	2AK184	2AK184H	2BK190	2BK190H	2B5V184(B)	2TB184(Q1)	2B184R(R1)	2B184SK
19.5	20.0	—	—	—	—	2B5V200(B)	2TB200(Q1)	2B200R(R1)	2B200SF
22.9	23.4	—	—	—	—	2B5V234(B)	—	—	—
24.5	25.0	—	—	—	—	2B5V250(B)	2TB250(Q1)	2B250R(R1)	2B250SF
27.3	27.8	—	—	—	—	2B5V278(B)	—	—	—
29.5	30.0	—	—	—	—	—	2TB300(Q1)	2B300R(R1)	2B300SF
37.5	38.0	—	—	—	—	—	2TB380(Q1)	2B380R(R1)	2B380SF

AK Sheaves use "A" Belts only; All other Sheaves shown use "A" and "B" Belts.
"TB" and "B" Sheaves cannot be used with "5V" Sheaves.
Letter Suffix on Part Number 2AKH, 2BKH and Q-D Sheaves indicate Bushing Size; Bushing Size is shown in parentheses for B5V, TB and B Sheaves.

Table No. 2

Split Taper Bushing Bores

Bushing	Bore Range
H	3/8 - 1 1/2"
P1	1/2 - 1 3/4
B	1/2 - 2 7/16
Q1	3/4 - 2 11/16
R1	1 1/8 - 3 3/4

Table No. 3

Q-D® Bushing Bores

Bushing	Bore Range
SH	1/2 - 1 5/8"
SDS	1/2 - 2
SK	1/2 - 2 5/8
SF	1/2 - 2 15/16

A

Table No. 1

Datum Diameters		Over 10 HP			
"A" Belts	"B" Belts	**B5V** Page A-33	**TB** Page A-36	**B** Page A-39	**Q-D** Page A-44
1.9"	2.3"	-	-	-	-
2.1	2.5	—	—	—	—
2.2	2.6	—	—	—	—
2.4	2.8	—	—	—	—
2.6	3.0	—	—	—	—
2.8	3.2	—	—	—	—
3.0	3.4	—	3TB34(P2)	—	3B34SH
3.2	3.6	—	3TB36(P2)	—	3B36SH
3.4	3.8	—	3TB38(P1)	—	3B38SH
3.5	3.9	—	—	—	—
3.6	4.0	—	3TB40(P1)	—	3B40SH
3.7	4.1	—	—	—	—
3.8	4.2	3B5V42(P1)	3TB42(P1)	—	3B42SH
4.0	4.4	3B5V44(P1)	3TB44(P1)	—	3B44SH
4.2	4.6	3B5V46(B)	3TB46(P1)	—	3B46SD
4.4	4.8	3B5V48(B)	3TB48(P1)	—	3B48SD
4.5	4.9	—	—	—	—
4.6	5.0	3B5V50(B)	3TB50(P1)	—	3B50SD
4.7	5.1	—	—	—	—
4.8	5.2	3B5V52(B)	3TB52(P1)	—	3B52SD
5.0	5.4	3B5V54(B)	3TB54(P1)	3B54Q(Q1)	3B54SD
5.2	5.6	3B5V56(B)	3TB56(P1)	3B56Q(Q1)	3B56SD
5.4	5.8	3B5V58(B)	3TB58(P1)	3B58Q(Q1)	3B58SD
5.5	5.9	—	—	—	—
5.6	6.0	3B5V60(B)	3TB60(P1)	3B60Q(Q1)	3B60SD
5.7	6.1	—	—	—	—
5.8	6.2	3B5V62(B)	3TB62(P1)	3B62Q(Q1)	3B62SD
6.0	6.4	3B5V64(B)	3TB64(P1)	3B64Q(Q1)	3B64SD
6.2	6.6	3B5V66(B)	3TB66(P1)	3B66Q(Q1)	3B66SD
6.4	6.8	3B5V68(B)	3TB68(P1)	3B68Q(Q1)	3B68SD
6.6	7.0	3B5V70(B)	3TB70(Q1)	—	3B70SK
7.0	7.4	3B5V74(B)	3TB74(Q1)	—	3B74SK
7.6	8.0	3B5V80(B)	3TB80(Q1)	—	3B80SK
8.0	8.4	—	—	—	—
8.2	8.6	3B5V86(B)	3TB86(Q1)	—	3B86SK
8.6	9.0	3B5V90(B)	3TB90(Q1)	—	—
9.0	9.4	3B5V94(B)	3TB94(Q1)	—	3B94SK
10.0	10.4	—	—	—	—
10.6	11.0	3B5V110(B)	3TB110(Q1)	—	3B110SK
11.0	11.4	—	—	—	—
12.0	12.4	3B5V124(B)	3TB124(Q1)	—	3B124SK
13.0	13.4	—	—	—	—
13.2	13.6	3B5V136(B)	3TB136(Q1)	—	3B136SK
15.0	15.4	3B5V154(B)	3TB154(Q1)	3B154R(R1)	3B154SK
15.6	16.0	3B5V160(B)	3TB160(Q1)	3B160R(R1)	3B160SK
18.0	18.4	3B5V184(B)	3TB184(Q1)	3B184R(R1)	3B184SK
19.5	20.0	3B5V200(B)	3TB200(Q1)	3B200R(R1)	3B200SF
22.9	23.4	3B5V234(B)	—	—	—
24.5	25.0	3B5V250(B)	3TB250(Q1)	3B250R(R1)	3B250SF
27.3	27.8	3B5V278(B)	—	—	—
29.5	30.0	—	3TB300(Q1)	3B300R(R1)	3B300SF
37.5	38.0	—	3TB380(Q1)	3B380R(R1)	3B380E

All Sheaves shown use "A" and "B" Belts.
"TB" and "B" Sheaves cannot be used with "5V" Sheaves.
Letter Suffix on Part Number for Q-D Sheaves indicate Bushing Size; Bushing Size is shown in parentheses for B5V, TB and B Sheaves.

Table No. 2

Split Taper Bushing Bores

Bushing	Bore Range
H	3/8 - 1 1/2"
P1	1/2 - 1 3/4
B	1/2 - 2 7/16
Q1	3/4 - 2 11/16
R1	1 1/8 - 3 3/4

Table No. 3

Q-D® Bushing Bores

Bushing	Bore Range
SH	1/2 - 1 5/8"
SD	1/2 - 2
SK	1/2 - 2 5/8
SF	1/2 - 2 15/16
E	7/8 - 3 1/2

Table No. 1

Datum Diameters		Over 10 HP			
"A" Belts	"B" Belts	**B5V®** Page A-33	**TB** Page A-37	**B** Page A-40	**Q-D®** Page A-44
3.0	3.4	-	4TB34(P2)	—	4B34SD
3.2	3.6	-	4TB36(P2)	—	4B36SD
3.4	3.8	-	4TB38(P1)	—	4B38SD
3.6	4.0	-	4TB40(P1)	—	4B40SD
3.8	4.2	4B5V42(P1)	4TB42(P1)	—	4B42SD
4.0	4.4	4B5V44(P1)	4TB44(P1)	—	4B44SD
4.2	4.6	4B5V46(B)	4TB46(P1)	—	4B46SD
4.4	4.8	4B5V48(B)	4TB48(P1)	—	4B48SD
4.6	5.0	4B5V50(B)	4TB50(P1)	—	4B50SD
4.8	5.2	4B5V52(B)	4TB52(P1)	—	4B52SD
5.0	5.4	4B5V54(B)	4TB54(P1)	4B54Q(Q1)	4B54SD
5.2	5.6	4B5V56(B)	4TB56(P1)	4B56Q(Q1)	4B56SD
5.4	5.8	4B5V58(B)	4TB58(P1)	4B58Q(Q1)	4B58SD
5.6	6.0	4B5V60(B)	4TB60(P1)	4B60Q(Q1)	4B60SD
5.8	6.2	4B5V62(B)	4TB62(P1)	4B62Q(Q1)	4B62SD
6.0	6.4	4B5V64(B)	4TB64(P1)	4B64Q(Q1)	4B64SD
6.2	6.6	4B5V66(B)	4TB66(P1)	4B66Q(Q1)	4B66SD
6.4	6.8	4B5V68(B)	4TB68(P1)	4B68Q(Q1)	4B68SD
6.6	7.0	4B5V70(B)	4TB70(Q1)	—	4B70SK
7.0	7.4	4B5V74(B)	4TB74(Q1)	—	4B74SK
7.6	8.0	4B5V80(B)	4TB80(Q1)	—	4B80SK
8.2	8.6	4B5V86(B)	4TB86(Q1)	—	4B86SK
8.6	9.0	4B5V90(B)	4TB90(Q1)	—	—
9.0	9.4	4B5V94(B)	4TB94(Q1)	—	4B94SK
10.6	11.0	4B5V110(B)	4TB110(Q1)	—	4B110SK
12.0	12.4	4B5V124(B)	4TB124(Q1)	—	4B124SK
13.2	13.6	4B5V136(B)	4TB136(Q1)	—	4B136SK
15.0	15.4	4B5V154(B)	4TB154(Q1)	4B154R(R1)	4B154SK
15.6	16.0	4B5V160(B)	4TB160(Q1)	4B160R(R1)	4B160SF
18.0	18.4	4B5V184(B)	4TB184(Q1)	4B184R(R1)	4B184SF
19.5	20.0	4B5V200(B)	4TB200(Q1)	4B200R(R1)	4B200SF
22.9	23.4	4B5V234(B)	—	—	—
24.5	25.0	4B5V250(B)	4TB250(Q1)	4B250R(R1)	4B250E
27.3	27.8	4B5V278(B)	—	—	—
29.5	30.0	-	4TB300(Q1)	4B300R(R1)	4B300E
37.5	38.0	-	4TB380(Q1)	4B380R(R1)	4B380E

All Sheaves shown use "A" and "B" Belts.
"TB" and "B" Sheaves cannot be used with "5V" Sheaves.
Letter Suffix on Part Number for Q-D Sheaves indicate Bushing Size; Bushing Size is shown in parentheses for B5V, TB and B Sheaves.

5, 6, 8 and 10 Groove "A-B" Sheaves

Datum Diameters		5 GROOVES				6 GROOVES				8 GROOVES		10 GROOVES	
		TB	B	Q-D	B5V	TB	B	Q-D	B5V	B	Q-D	B	Q-D
"A"	"B"	Page	Page	Page	Page	Page	Page	Page	Page	Page	Page	Page	Page
Belts	Belts	A-38	A-40	A-45	A-34	A-38	A-40	A-46	A-34	A-41	A-46	A-42	A-46
3.0"	3.4"	5TB34(P2)	—	5B34SD	—	6TB34(P2)	—	6B34SD	—	—	—	—	—
3.2	3.6	5TB36(P2)	—	5B36SD	—	6TB36(P2)	—	6B36SD	—	—	—	—	—
3.4	3.8	5TB38(P2)	—	5B38SD	—	6TB38(P2)	—	6B38SD	—	—	—	—	—
3.6	4.0	5TB40(P2)	—	5B40SD	—	6TB40(P2)	—	6B40SD	—	—	—	—	—
3.8	4.2	5TB42(P2)	—	5B42SD	5B5V42(P2)	6TB42(P2)	—	6B42SD	6B5V42(P2)	—	—	—	—
4.0	4.4	5TB44(P2)	—	5B44SD	5B5V44(P2)	6TB44(P2)	—	6B44SD	6B5V44(P2)	—	—	—	—
4.2	4.6	5TB46(P2)	—	5B46SD	5B5V46(P2)	6TB46(P2)	—	6B46SD	6B5V46(P2)	—	—	—	—
4.4	4.8	5TB48(P2)	—	5B48SD	5B5V48(P2)	6TB48(P2)	—	6B48SD	6B5V48(P2)	—	—	—	—
4.6	5.0	5TB50(P2)	—	5B50SD	5B5V50(Q1)	6TB50(P2)	—	6B50SD	6B5V50(Q2)	—	—	—	—
4.8	5.2	5TB52(P2)	—	5B52SD	5B5V52(Q1)	6TB52(P2)	—	6B52SD	6B5V52(Q2)	—	—	—	—
5.0	5.4	5TB54(Q1)	—	5B54SK	5B5V54(Q1)	6TB54(Q1)	—	6B54SK	6B5V54(Q2)	8B54Q	8B54SK	10B54Q	10B54SK
5.2	5.6	5TB56(Q1)	—	5B56SK	5B5V56(Q1)	6TB56(Q1)	—	6B56SK	6B5V56(Q2)	8B56Q	8B56SK	10B56Q	10B56SK
5.4	5.8	5TB58(Q1)	—	5B58SK	5B5V58(Q1)	6TB58(Q1)	—	6B58SK	6B5V58(Q1)	8B58Q	—	10B58Q	—
5.6	6.0	5TB60(Q1)	—	5B60SK	5B5V60(Q1)	6TB60(Q1)	—	6B60SK	6B5V60(Q1)	8B60Q	8B60SF	10B60Q	10B60SF
5.8	6.2	5TB62(Q1)	—	5B62SK	5B5V62(Q1)	6TB62(Q1)	—	6B62SK	6B5V62(Q1)	8B62Q	—	10B62Q	—
6.0	6.4	5TB64(Q1)	—	5B64SK	5B5V64(Q1)	6TB64(Q1)	—	6B64SK	6B5V64(Q1)	8B64Q	8B64SF	10B64Q	10B64SF
6.2	6.6	5TB66(Q1)	—	5B66SK	5B5V66(Q1)	6TB66(Q1)	—	6B66SK	6B5V66(Q1)	8B66Q	—	10B66Q	—
6.4	6.8	5TB68(Q1)	—	5B68SK	5B5V68(Q1)	6TB68(Q1)	—	6B68SK	6B5V68(Q1)	8B68Q	8B68SF	10B68Q	10B68SF
6.6	7.0	5TB70(Q2)	5B70R(R1)	5B70SF	5B5V70(Q1)	6TB70(Q2)	6B70R(R1)	6B70SF	6B5V70(Q2)	8B70R	—	10B70R	—
7.0	7.4	5TB74(Q2)	5B74R(R1)	5B74SF	5B5V74(Q1)	6TB74(Q2)	6B74R(R1)	6B74SF	6B5V74(Q2)	8B74R	8B74SF	10B74R	10B74SF
7.6	8.0	5TB80(Q2)	5B80R(R1)	5B80SF	5B5V80(R1)	6TB80(Q2)	6B80R(R1)	6B80SF	6B5V80(R1)	8B80R	—	10B80R	—
8.2	8.6	5TB86(Q2)	5B86R(R1)	5B86SF	5B5V86(R1)	6TB86(Q2)	6B86R(R1)	6B86SF	6B5V86(R1)	8B86R	8B86E	10B86R	10B85E
8.6	9.0	5TB90(Q2)	5B90R(R1)	—	5B5V90(R1)	6TB90(Q2)	6B90R(R1)	—	6B5V90(R1)	8B90R	—	10B90R	—
9.0	9.4	5TB94(Q2)	5B94R(R1)	5B94SF	5B5V94(R1)	6TB94(Q2)	6B94R(R1)	6B94SF	6B5V94(R1)	8B94R	8B94E	10B94R	10B94E
10.6	11.0	5TB110(Q2)	5B110R(R1)	5B110SF	5B5V110(R1)	6TB110(Q2)	6B110R(R1)	6B110SF	6B5V110(R1)	8B110R	8B110E	10B110R	10B110E
12.0	12.4	5TB124(Q2)	5B124R(R1)	5B124SF	5B5V124(R1)	6TB124(Q2)	6B124R(R1)	6B124SF	6B5V124(R1)	8B124R	8B124E	10B124R	10B124E
13.2	13.6	5TB136(Q2)	5B136R(R1)	5B136SF	5B5V136(R1)	6TB136(Q2)	6B136R(R1)	6B136SF	6B5V136(R1)	8B136R	—	10B136R	—
15.0	15.4	5TB154(Q2)	5B154R(R1)	5B154SF	5B5V154(R1)	6TB154(Q2)	6B154R(R1)	6B154SF	6B5V154(R1)	8B154R	8B154E	10B154R	10B154F
15.6	16.0	5TB160(Q2)	5B160R(R1)	5B160SF	5B5V160(R1)	6TB160(Q2)	6B160R(R1)	6B160SF	6B5V160(R1)	8B160R	—	10B160R	—
18.0	18.4	5TB184(Q2)	5B184R(R1)	5B184SF	5B5V184(R1)	6TB184(Q2)	6B184R(R1)	6B184SF	6B5V184(R1)	8B184R	8B184F	10B184R	10B184F
19.5	20.0	5TB200(Q2)	5B200R(R1)	5B200E	5B5V200(R1)	6TB200(Q2)	6B200R(R1)	6B200E	6B5V200(R1)	8B200R	8B200F	10B200R	10B200F
24.5	25.0	5TB250(Q2)	5B250R(R1)	5B250E	5B5V250(R1)	6TB250(Q2)	6B250R(R1)	6B250E	6B5V250(R1)	8B250R	8B250F	10B250R	10B250F
29.5	30.0	5TB300(Q2)	5B300R(R1)	5B300E	—	6TB300(Q2)	6B300R(R1)	6B300E	—	8B300R	8B300F	10B300R	10B300F
29.5	30.0	—	—	—	—	—	—	—	—	8B300S	—	—	—
37.5	38.0	5TB380(Q2)	5B380R(R1)	5B380E	—	6TB380(Q2)	6B380R(R1)	6B380E	—	8B380R	8B380F	10B380R	10B380J
37.5	38.0	—	—	—	—	—	—	—	—	8B380S	—	10B380U	—

Bushing size is shown in parenthesis for TB and B Sheaves; Letter Suffix on Part Number for Q-D Sheaves indicates Bushing Size.

Table No. 2

Split Taper Bushing

Bushing	Bore Range
P2	3/4" - 1 3/4"
Q1	3/4 - 2 11/16
Q2	1 - 2 5/8
R1	1 1/8 - 3 3/4
R2	1 3/8 - 3 5/8
S1	1 11/16 - 4 1/4
U0	2 3/8 - 5 1/2

Table No. 3

Q-D® Bushing Bores

Bushing	Bore Range
SD	1/2" - 2"
SK	1/2 - 2 5/8
SF	1/2 - 2 15/16
E	7/8 - 3 1/2
F	1 - 4
J	1 1/2 - 4 1/2

1 - 4 Groove "C" Sheaves

Table No.1

Datum Dia	1 GROOVE			2 GROOVES			3 GROOVES			4 GROOVES		
	TC	C	Q-D	TC	C	Q-D	TC	C	Q-D	TC	C	Q-D
C Belts	Page A-47	Page A-51	Page A-55	Page A-48	Page A-51	Page A-55	Page A-48	Page A-51	Page A-56	Page A-49	A-51	Page A-56
5.0"	—	—	—	—	—	—	—	—	3C50SD	—	—	4C50SD
5.5	—	—	—	—	—	—	—	—	3C55SD	—	—	4C55SD
5.6	—	1C56P(P1)	—	—	2C56P(P1)	—	—	3C56P(P2)	—	—	4C56P(P2)	—
6.0	—	1C60Q(Q1)	—	—	2C60Q(Q1)	—	—	3C60Q(Q1)	3C60SF	—	4C60Q(Q2)	4C60SF
7.0	1TC70(Q1)	—	1C70SF	2TC70(Q1)	—	2C70SF	3TC70(Q1)	—	3C70SF	4TC70(Q2)	—	4C70SF
7.2	1TC72(Q1)	—	—	2TC72(Q1)	—	—	3TC72(Q1)	—	—	4TC72(Q2)	—	—
7.4	1TC74(Q1)	—	—	2TC74(Q1)	—	—	3TC74(Q1)	—	—	4TC74(Q2)	—	—
7.5	—	—	1C75SF	—	—	2C75SF	—	—	3C75SF	—	—	4C75SF
7.6	1TC76(Q1)	—	—	2TC76(Q1)	—	—	3TC76(Q1)	—	—	4TC76(Q2)	—	—
7.8	1TC78(Q1)	—	—	2TC78(Q1)	—	—	3TC78(Q1)	—	—	4TC78(Q2)	—	—
8.0	1TC80(Q1)	—	1C80SF	2TC80(Q1)	—	2C80SF	3TC80(Q1)	—	3C80E	4TC80(Q2)	—	4C80E
8.2	1TC82(Q1)	—	—	2TC82(Q1)	—	—	3TC82(Q1)	—	—	4TC82(Q2)	—	—
8.4	1TC84(Q1)	—	—	2TC84(Q1)	—	—	3TC84(Q1)	—	—	4TC84(Q2)	—	—
8.5	—	—	1C85SF	—	—	2C85SF	—	—	3C85E	—	—	4C85E
8.6	1TC86(Q1)	—	—	2TC86(Q1)	—	—	3TC86(Q1)	—	—	4TC86(Q2)	—	—
8.8	1TC88(Q1)	—	—	2TC88(Q1)	—	—	3TC88(Q1)	—	—	4TC88(Q2)	—	—
9.0	1TC90(Q1)	—	1C90SF	2TC90(Q1)	—	2C90SF	3TC90(Q1)	3C90R(R1)	3C90E	4TC90(Q2)	4C90R(R1)	4C90E
9.2	1TC92(Q1)	—	—	2TC92(Q1)	—	—	3TC92(Q1)	3C92R(R1)	—	4TC92(Q2)	4C92R(R1)	—
9.4	1TC94(Q1)	—	—	2TC94(Q1)	—	—	3TC94(Q1)	3C94R(R1)	—	4TC94(Q2)	4C94R(R1)	—
9.5	—	—	1C95SF	—	—	2C95SF	—	—	3C95E	—	—	4C95E
9.6	1TC96(Q1)	—	—	2TC96(Q1)	—	—	3TC96(Q1)	3C96R(R1)	—	4TC96(Q2)	4C96R(R1)	—
9.8	1TC98(Q1)	—	—	2TC98(Q1)	—	—	3TC98(Q1)	3C98R(R1)	—	4TC98(Q2)	4C98R(R1)	—
10.0	1TC100(Q1)	—	1C100SF	2TC100(Q1)	—	2C100SF	3TC100(Q1)	3C100R(R1)	3C100E	4TC100(Q2)	4C100R(R1)	4C100E
10.2	1TC102(Q1)	—	—	2TC102(Q1)	—	—	3TC102(Q1)	3C102R(R1)	—	4TC102(Q2)	4C102R(R1)	—
10.5	—	—	1C105SF	—	—	2C105SF	—	—	3C105E	—	—	4C105E
10.6	1TC106(Q1)	—	—	2TC106(Q1)	—	—	3TC106(Q1)	3C106R(R1)	—	4TC106(Q2)	4C106R(R1)	—
11.0	1TC110(Q1)	—	1C110SF	2TC110(Q1)	—	2C110SF	3TC110(Q1)	3C110R(R1)	3C110E	4TC110(Q2)	4C110R(R1)	4C110E
11.4	1TC114(Q1)	—	—	2TC114(Q1)	—	—	3TC114(Q1)	—	—	4TC114(Q2)	—	—
12.0	1TC120(Q1)	—	1C120SF	2TC120(Q1)	—	2C120SF	3TC120(Q1)	3C120R(R1)	3C120E	4TC120(Q2)	4C120R(R1)	4C120E
13.0	1TC130(Q1)	—	1C130SF	2TC130(Q1)	—	2C130SF	3TC130(Q1)	3C130R(R1)	3C130E	4TC130(Q2)	4C130R(R1)	4C130E
14.0	—	—	1C140SF	—	2C140R(R1)	2C140SF	—	3C140R(R1)	3C140E	—	4C140R(R1)	4C140E
15.0	—	—	—	—	—	—	—	3C150R(R1)	—	—	4C150R(R1)	—
16.0	1TC160(Q1)	—	1C160SF	2TC160(Q1)	—	2C160SF	3TC160(Q1)	3C160R(R1)	3C160E	4TC160(Q2)	4C160R(R1)	4C160E
18.0	—	—	1C180SF	—	2C180R(R1)	2C180SF	—	3C180R(R1)	3C180E	—	4C180R(R1)	4C180E
18.0	—	—	—	—	—	—	—	—	—	—	4C180S(S1)	—
20.0	1TC200(Q1)	—	1C200SF	2TC200(Q1)	—	2C200SF	3TC200(Q1)	3C200R(R1)	3C200E	4TC200(Q2)	4C200R(R1)	4C200E
20.0	—	—	—	—	—	—	—	—	—	—	4C200S(S1)	—
24.0	1TC240(Q1)	—	1C240SF	2TC240(Q1)	—	2C240SF	3TC240(Q1)	3C240R(R1)	3C240E	4TC240(Q2)	4C240R(R1)	4C240F
24.0	—	—	—	—	—	—	—	—	—	—	4C240S(S1)	—
27.0	—	—	—	—	2C270R(R1)	—	—	3C270R(R1)	3C270F	—	4C270R(R1)	4C270F
27.0	—	—	—	—	—	—	—	—	—	—	4C270S(S1)	—
30.0	—	—	—	—	2C300R(R1)	2C300F	—	3C300R(R1)	3C300F	—	4C300R(R1)	4C300F
30.0	—	—	—	—	—	—	—	—	—	—	4C300S(S1)	—
36.0	—	—	—	—	2C360R(R1)	—	—	3C360R(R1)	3C360F	—	4C360R(R1)	4C360F
36.0	—	—	—	—	—	—	—	—	—	—	4C360S(S1)	—
44.0	—	—	—	—	2C440R(R1)	—	—	3C440R(R1)	3C440F	—	4C440R(R1)	4C440J
44.0	—	—	—	—	—	—	—	—	—	—	4C440U(U0)	—
50.0	—	—	—	—	—	—	—	3C500R(R1)	3C500F	—	4C500R(R1)	4C500J
50.0	—	—	—	—	—	—	—	3C500S(S1)	—	—	4C500U(U0)	—

Bushing size is shown in parentheses for TC and C Sheaves; Letter Suffix on Part Number for Q-D Sheaevs indicates Bushing Size.

Split Taper Bushing Bores

Table No. 2

Bushing	Bore Range
Q2	3/4 — 2 11/16"
Q3	1 3/8 — 2 1/2
R1	1 1/8 — 3 3/4
R2	1 3/8 — 3 5/8
S1	1 11/16 — 4 1/4
S2	1 7/8 — 4 3/16
U0	2 3/8 — 5 1/2
U1	2 3/8 — 5 1/2

Q-D® Bushing Bores

Table No. 3

Bushing	Bore Range
SF	1/2 — 2 15/16"
E	7/8 — 3 1/2
F	1 — 4
J	1 1/2 — 4 1/2
M	2 — 5 1/2

A

5, 6, 7, 8 10 and 12 Groove "C" Sheaves

Table No. 1

Datum	5 GROOVES			6 GROOVES			7 GROOVES	8 GROOVES		10 GROOVES		12 GROOVES	
Dia	TC	C	Q-D	TC	C	Q-D	C	C	Q-D	C	Q-D	C	Q-D
"C"	Page	Page	Page	Page	Page	Page	Page	Page	Page	Page	Page	Page	Page
Belts	A-50	A-52	A-56	A-50	A-52	A-57	A-52	A-53	A-57	A-54	A-58	A-54	A-58
6.0"	—	—	5C60SF	—	—	6C60SF	—	—	—	—	—	—	—
7.0	5TC70(Q2)	—	5C70SF	6TC70(Q2)	—	6C70SF	7C70Q(Q3)	8C70Q(Q3)	—	—	—	—	—
7.2	5TC72(Q2)	—	—	6TC72(Q2)	—	—	—	—	—	—	—	—	—
7.4	5TC74(Q2)	—	—	6TC74(Q2)	—	—	—	—	—	—	—	—	—
7.5	—	—	5C75SF	—	—	6C75SF	—	—	—	—	—	—	—
7.6	5TC76(Q2)	—	—	6TC76(Q2)	—	—	—	—	—	—	—	—	—
7.8	5TC78(Q2)	—	—	6TC78(Q2)	—	—	—	—	—	—	—	—	—
8.0	5TC80(Q2)	—	5C80E	6TC80(Q2)	—	6C80E	7C80R(R2)	8C80R(R2)	8C80E	10C80R(R2)	10C80E	—	—
8.2	5TC82(Q2)	—	—	6TC82(Q2)	—	—	—	—	—	—	—	—	—
8.4	5TC84(Q2)	—	—	6TC84(Q2)	—	—	—	—	—	—	—	—	—
8.5	—	—	5C85E	—	—	—	—	—	—	—	—	—	—
8.6	5TC86(Q2)	—	—	6TC86(Q2)	—	—	7C86R(R2)	8C86R(R2)	—	10C86R(R2)	—	—	—
8.8	5TC88(Q2)	—	—	6TC88(Q2)	—	—	—	—	—	—	—	—	—
9.0	5TC90(Q2)	5C90R(R1)	5C90E	6TC90(Q2)	6C90R(R2)	6C90F	7C90R(R2)	8C90R(R2)	8C90F	10C90R(R2)	10C90J	12C90S(S2)	12C90J
9.2	5TC92(Q2)	5C92R(R1)	—	6TC92(Q2)	6C92R(R2)	—	7C92R(R2)	8C92R(R2)	—	10C92R(R2)	—	12C92S(S2)	—
9.4	5TC94(Q2)	5C94R(R1)	—	6TC94(Q2)	6C94R(R2)	—	7C94R(R2)	8C94R(R2)	—	10C94R(R2)	—	12C94S(S2)	—
9.5	—	—	5C95E	—	—	6C95F	—	—	8C95F	—	10C95J	—	12C95J
9.6	5TC96(Q2)	5C96R(R1)	—	6TC96(Q2)	6C96R(R2)	—	—	8C96R(R2)	—	10C96R(R2)	—	12C96S(S2)	—
9.8	5TC98(Q2)	5C98R(R1)	—	6TC98(Q2)	6C98R(R2)	—	7C98R(R2)	8C98R(R2)	—	10C98R(R2)	—	12C98S(S2)	—
10.0	5TC100(Q2)	5C100R(R1)	5C100E	6TC100(Q2)	6C100R(R2)	6C100F	7C100R(R2)	8C100R(R2)	8C100F	10C100R(R2)	10C100J	12C100S(S2)	12C100J
10.2	5TC102(Q2)	5C102R(R1)	—	6TC102(Q2)	6C102R(R2)	—	7C102R(R2)	8C102R(R2)	—	10C102R(R2)	—	12C102S(S2)	—
10.5	—	—	5C105E	—	—	6C105F	—	—	8C105F	—	—	—	12C105J
10.6	5TC106(Q2)	5C106R(R1)	—	6TC106(Q2)	6C106R(R2)	—	7C106R(R2)	8C106R(R2)	—	10C106R(R2)	—	12C106S(S2)	—
11.0	5TC110(Q2)	5C110R(R1)	5C110E	6TC110(Q2)	6C110R(R2)	6C110F	7C110R(R2)	8C110R(R2)	8C110F	10C110R(R2)	10C110J	12C110S(S2)	12C110J
11.4	5TC114(Q2)	—	—	6TC114(Q2)	—	—	—	—	—	—	—	—	—
12.0	5TC120(Q2)	5C120R(R1)	5C120E	6TC120(Q2)	6C120R(R2)	6C120F	7C120R(R2)	8C120R(R2)	8C120F	10C120R(R2)	10C120J	12C120S(S2)	12C120J
13.0	5TC130(Q2)	5C130R(R1)	5C130E	6TC130(Q2)	6C130R(R2)	6C130F	7C130R(R2)	8C130R(R2)	8C130F	10C130R(R2)	10C130J	12C130S(S2)	12C130J
14.0	—	5C140R(R1)	5C140E	—	6C140R(R2)	6C140F	7C140R(R2)	8C140R(R2)	8C140F	10C140R(R2)	10C140J	12C140S(S2)	12C140J
15.0	—	5C150R(R1)	—	—	6C150R(R2)	—	7C150R(R2)	8C150R(R2)	—	10C150R(R2)	—	12C150S(S2)	—
16.0	5TC160(Q2)	5C160R(R1)	5C160E	6TC160(Q2)	6C160R(R2)	6C160F	7C160R(R2)	8C160R(R2)	8C160F	10C160R(R2)	10C160J	12C160S(S2)	12C160J
18.0	—	5C180R(R1)	5C180E	—	6C180R(R2)	6C180F	7C180S(S2)	8C180S(S2)	8C180F	10C180S(S2)	10C180J	12C180U(U1)	12C180J
18.0	—	5C180S(S1)	—	—	6C180S(S1)	—	7C180U(U0)	8C180U(U0)	—	10C180U(U0)	—	—	—
20.0	5TC200(Q2)	5C200R(R1)	5C200F	6TC200(Q2)	6C200R(R2)	6C200F	7C200S(S2)	8C200S(S2)	8C200J	10C200S(S2)	10C200J	12C200U(U1)	12C200M
20.0	—	5C200S(S1)	—	—	6C200S(S1)	—	7C200U(U0)	8C200U(U0)	—	10C200U(U0)	—	—	—
24.0	5TC240(Q2)	5C240R(R1)	5C240F	6TC240(Q2)	6C240R(R2)	6C240F	7C240S(S2)	8C240S(S2)	8C240J	10C240S(S2)	10C240M	12C240U(U1)	12C240M
24.0	—	5C240S(S1)	—	—	6C240S(S1)	—	—	8C240U(U0)	—	10C240U(U0)	—	—	—
27.0	—	5C270R(R2)	5C270F	—	6C270R(R2)	6C270J	7C270S(S2)	8C270S(S2)	8C270J	10C270S(S2)	10C270M	12C270U(U1)	12C270M
27.0	—	—	—	—	6C270S(S1)	—	7C270U(U0)	—	—	—	—	—	—
30.0	—	5C300R(R2)	5C300F	—	6C300R(R2)	6C300J	7C300S(S2)	8C300S(S2)	8C300J	10C300S(S2)	10C300M	12C300U(U1)	12C300M
30.0	—	5C300S(S1)	—	—	6C300U(U0)	—	7C300U(U0)	8C300U(U0)	—	10C300U(U1)	—	—	—
36.0	—	5C360R(R2)	5C360J	—	6C360R(R2)	6C360J	7C360S(S2)	8C360S(S2)	8C360M	10C360S(S2)	10C360M	12C360U(U1)	12C360M
36.0	—	—	—	—	6C360U(U0)	—	—	8C360U(U0)	—	10C360U(U1)	—	—	—
44.0	—	5C440R(R2)	5C440J	—	6C440R(R2)	6C440J	7C440S(S2)	8C440S(S2)	8C440M	10C440U(U1)	10C440M	12C440U(U1)	12C440M
44.0	—	—	—	—	—	—	—	8C440U(U0)	—	—	—	—	—
50.0	—	5C500R(R2)	5C500J	—	6C500R(R2)	6C500M	7C500S(S2)	8C500S(S2)	8C500M	10C500U(U1)	10C500M	12C500U(U1)	12C500M

Bushing size is shown in parentheses for TC and C Sheaves; Letter Suffix on Part Number for Q-D Sheaves indicates Bushing Size.

Split Taper Bushing Bores

Table No. 2

Bushing	Bore Range
Q2	1 - 2 5/8
Q3	1 3/8 - 2 1/2
R1	1 1/8 - 3 3/4
R2	1 3/8 - 3 5/8
S1	1 11/16 - 4 1/4
S2	1 7/8 - 4 3/16
U0	2 3/8 - 5 1/2
U1	2 3/8 - 5 1/2

Q-D® Bushing Bores

Table No. 3

Bushing	Bore Range
SF	1/2 - 2 15/16
E	7/8 - 3 1/2
F	1 - 4
J	1 1/2 - 4 1/2
M	2 - 5 1/2

Table No. 1

1 to 10 Groove "3V" Sheaves

Nom. Pitch Dia.	1 GROOVE			2 GROOVES			3 GROOVES			4 GROOVES		
	Split Taper Bushing	Finished Bore	Q-D Bushing	Split Taper Bushing	Finished Bore	Q-D Bushing	Split Taper Bushing	Finished Bore	Q-D Bushing	Split Taper Page	Finished Bore	Q-D Bushing
	Page A-63	Page A-62	Page A-66	Page A-64	Page A-62	Page A-66	Page A-64	Page A-62	Page A-67	Page A-64	Page A-62	Page A-67
2.2"	—	—	13V220JA	—	—	23V220JA	—	—	—	—	—	—
2.3	—	—	13V235JA	—	—	23V235JA	—	—	—	—	—	—
2.5	—	—	13V250JA	—	—	23V250JA	—	—	33V250JA	—	—	—
2.6	1G3V26(G)	1F3V26	13V265JA	2G3V26(G)	2F3V26	23V265JA	3G3V26(G)	3F3V26	33V265JA	4G3V26(G)	4F3V26	43V265JA
2.8	1G3V28(G)	1F3V28	13V280JA	2G3V28(G)	2F3V28	23V280JA	3G3V28(G)	3F3V28	33V280JA	4G3V28(G)	4F3V28	43V280JA
3.0	1G3V30(G)	1F3V30	13V300JA	2G3V30(G)	2F3V30	23V300JA	3G3V30(G)	3F3V30	33V300SH	4G3V30(G)	4F3V30	43V300SH
3.1	1H3V31(H)	1F3V31	13V315JA	2H3V31(H)	2F3V31	23V315JA	3H3V31(H)	3F3V31	33V315SH	4H3V31(H)	4F3V31	43V315SH
3.3	1H3V33(H)	1F3V33	13V335JA	2H3V33(H)	2F3V33	23V335SH	3H3V33(H)	3F3V33	33V335SH	4H3V33(H)	4F3V33	43V335SH
3.6	1H3V36(H)	—	13V365SH	2H3V36(H)	—	23V365SH	3P3V36(P1)	—	33V365SH	4P3V36(P1)	—	43V365SH
3.6	1P3V36(P1)	—	—	2P3V36(P1)	—	—	—	—	—	—	—	—
4.1	1H3V41(H)	—	13V412SH	2H3V41(H)	—	23V412SH	3P3V41(P1)	—	33V412SH	4P3V41(P1)	—	43V412SH
4.1	1P3V41(P1)	—	—	2P3V41(P1)	—	—	—	—	—	—	—	—
4.5	1H3V45(H)	—	13V450SH	2H3V45(H)	—	23V450SH	3P3V45(P1)	—	33V450SDS	4P3V45(P1)	—	43V450SDS
4.5	1P3V45(P1)	—	—	2P3V45(P1)	—	—	—	—	—	—	—	—
4.7	1H3V47(H)	—	13V475SH	2H3V47(H)	—	23V475SH	3P3V47(P1)	—	33V475SDS	4P3V47(P1)	—	43V475SDS
4.7	1P3V47(P1)	—	—	2P3V47(P1)	—	—	—	—	—	—	—	—
5.0	1H3V50(H)	—	13V500SH	2H3V50(H)	—	23V500SH	3P3V50(P1)	—	33V500SDS	4P3V50(P1)	—	43V500SDS
5.0	1P3V50(P1)	—	—	2P3V50(P1)	—	—	—	—	—	—	—	—
5.3	1H3V53(H)	—	13V530SH	2H3V53(H)	—	23V530SH	3P3V53(P1)	—	33V530SDS	4P3V53(P1)	—	43V530SDS
5.3	1P3V53(P1)	—	—	2P3V53(P1)	—	—	—	—	—	—	—	—
5.6	1H3V56(H)	—	13V560SH	2H3V56(H)	—	23V560SH	3P3V56(P1)	—	33V560SDS	4P3V56(P1)	—	43V560SDS
5.6	1P3V56(P1)	—	—	2P3V56(P1)	—	—	—	—	—	—	—	—
6.0	1H3V60(H)	—	13V600SH	2H3V60(H)	—	23V600SH	3P3V60(P1)	—	33V600SDS	4Q3V60(Q1)	—	43V600SK
6.0	1P3V60(P1)	—	—	2P3V60(P1)		—	—	—	—	—	—	—
6.5	1P3V65(P1)	—	13V650SH	2Q3V65(Q1)	—	23V650SDS	3Q3V65(Q1)	—	33V650SDS	4Q3V65(Q1)	—	43V650SK
6.9	1P3V69(P1)	—	13V690SH	2Q3V69(Q1)	—	23V690SDS	3Q3V69(Q1)	—	33V690SDS	4Q3V69(Q1)	—	43V690SK
8.0	1P3V80(P1)	—	13V800SDS	2Q3V80(Q1)	—	23V800SDS	3Q3V80(Q1)	—	33V800SK	4Q3V80(Q1)	—	43V800SK
10.6	1P3V106(P1)	—	13V1060SDS	2Q3V106(Q1)	—	23V1060SK	3Q3V106(Q1)	—	33V1060SK	4Q3V106(Q1)	—	43V1060SK
14.0	1Q3V140(Q1)	—	13V1400SK	2Q3V140(Q1)	—	23V1400SK	3Q3V140(Q1)	—	33V1400SK	4Q3V140(Q1)	—	43V1400SK
19.0	1Q3V190(Q1)	—	13V1900SK	2Q3V190(Q1)	—	23V1900SK	3R3V190(R1)	—	33V1900SF	4R3V190(R1)	—	43V1900SF
25.0	1Q3V250(Q1)	—	—	2Q3V250(Q1)	—	23V2500SK	3R3V250(R1)	—	33V1500SF	4R3V250(R1)	—	43V2500SF
33.5	—	—	—	—	—	—	3R3V335(R1)	—	33V3350SF	4R3V335(R1)	—	43V3350E

Nom. Pitch Dia.	5 GROOVES		6 GROOVES		8 GROOVES		10 GROOVES	
	Split Taper Bushing	Q-D Bushing	Split Taper Bushing	Q-D Bushing	Split Taper Bushing	Q-D Bushing	Split Taper Bushing	Q-D Bushing
	Page A-65	Page A-68	Page A-65	Page A-68	Page A-65	Page A-68	Page A-65	Page A-68
4.7"	5P3V47(P1)	53V475SDS	6Q3V47(Q1)	63V475SK	8Q3V47(Q2)	83V475SK	10Q3V47(Q2)	103V475SK
5.0	5P3V50(P1)	53V500SDS	6Q3V50(Q1)	63V500SK	8Q3V50(Q2)	83V500SK	10Q3V50(Q2)	103V500SK
5.3	5P3V53(P1)	53V530SK	6Q3V53(Q1)	63V530SK	8Q3V53(Q2)	83V530SK	10Q3V53(Q2)	103V530SK
5.6	5P3V56(P1)	53V560SK	6Q3V56(Q1)	63V560SK	8Q3V56(Q2)	83V560SK	10Q3V56(Q2)	103V560SK
6.0	5Q3V60(Q1)	53V600SK	6Q3V60(Q1)	63V600SK	8Q3V60(Q2)	83V600SK	10Q3V60(Q2)	103V600SK
6.5	5Q3V65(Q1)	53V650SK	6Q3V65(Q1)	63V650SK	8Q3V65(Q2)	83V650SK	10Q3V65(Q2)	103V650SK
6.9	5Q3V69(Q1)	53V690SK	6Q3V69(Q1)	63V690SK	8Q3V69(Q2)	83V690SK	10Q3V69(Q2)	103V690SK
8.0	5Q3V80(Q1)	53V800SK	6Q3V80(Q1)	63V800SK	8Q3V80(R1)	83V800SF	10R3V80(R1)	103V800SF
10.6	5Q3V106(Q1)	53V1060SK	6R3V106(R1)	63V1060SF	8R3V106(R1)	83V1060SF	10R3V106(R1)	103V1060E
14.0	5Q3V140(Q1)	53V1400SF	6R3V140(R1)	63V1400SF	8R3V140(R1)	83V1400E	10R3V140(R1)	103V1400E
19.0	5R3V190(R1)	53V1900SF	6R5V190(R1)	63V1900E	8R3V190(R1)	83V1900E	10R3V190(R1)	103V1900E
25.0	5R3V250(R1)	53V2500E	6R3V250(R1)	63V2500E	8R3V250(R1)	83V2500E	10S3V250(S1)	103V2500F
33.5	5R3V335(R1)	53V3350E	6R3V335(R1)	63V3350E	8S3V335(S1)	83V3350F	10S3V335(S1)	103V3350F

Bushing size is shown in parentheses for Split Taper Bushing Sheaves; Letter Suffix on Part Number for Q-D Bushing Sheaves indicates Bushing Size.

Split Taper Bushing Bores

Table No. 2

Bushing	Bore Range	Bushing	Bore Range
G	3/8 - 1"	S1	1 11/16 - 4 1/4"
H	3/8 - 1 1/2	S2	1 7/8 - 4 3/16
P1	1/2 - 1 3/4	U0	2 3/8 - 5 1/2
Q1	3/4 - 2 11/16	U1	2 3/8 - 5 1/2
Q2	1 - 2 5/8	U2	2 7/16 - 5
R1	1 1/8 - 3 3/4	W1	3 3/8 - 7 7/16
R2	1 3/8 - 3 5/8	W2	3 3/8 - 7 7/16

Q-D® Bushing Bores

Table No. 3

Bushing	Bore Range	Bushing	Bore Range
JA	1/2 - 1 1/4"	E	7/8 - 3 1/2"
SH	1/2 - 1 5/8	F	1 - 4
SDS	1/2 - 2	J	1 1/2 - 4 1/2
SD	1/2 - 2	M	2 - 5 1/2
SK	1/2 - 2 5/8	N	2 7/16 - 5 7/8
SF	1/2 - 2 15/16	P	2 15/16 - 7

A

Table No. 1

1 — 4 Groove "5V" Sheaves

Pitch Diameter	1 Groove	2 Groove			3 Groove			4 Groove		
	B5V®	B5V®	5V	Q-D®	B5V®	5V	Q-D®	B5V®	5V	Q-D®
	Page A-32	Page A-32	Page A-69	Page A-72	Page A-33	Page A-69	Page A-72	Page A-33	Page A-70	Page A-73
4.3	1B5V42(P1)	2B5V42(P1)	2P5V44(P1)	25V440SH	3B5V42(P1)	3P5V44(P1)	35V440SDS	4B5V42(P1)	4P5V44(P1)	45V440SD
4.5	1B5V44(P1)	2B5V44(P1)	2Q5V46(Q1)	25V465SDS	3B5V44(P1)	2Q5V46(Q1)	35V465SDS	4B5V44(P1)	4Q5V46(Q1)	45V465SD
4.8	1B5V46(B)	2B5V46(B)	2Q5V49(Q1)	25V490SDS	3B5V46(B)	3Q5V49(Q1)	35V490SDS	4B5V46(B)	4Q5V49(Q1)	45V490SD
4.9	1B5V48(B)	2B5V48(B)	—	—	3B5V48(B)	—	—	4B5V48(B)	—	—
5.1	1B5V50(B)	2B5V50(B)	2Q5V52(Q1)	25V520SDS	3B5V50(B)	3Q5V52(Q1)	35V520SDS	4B5V50(B)	4Q5V52(Q1)	45V520SD
5.4	1B5V52(B)	2B5V52(B)	2Q5V55(Q1)	25V550SDS	3B5V52(B)	3Q5V55(Q1)	35V550SDS	4B5V52(B)	4Q5V55(Q1)	45V550SD
5.5	1B5V54(B)	2B5V54(B)	—	—	3B5V54(B)	—	—	4B5V54(B)	—	—
5.8	1B5V56(B)	2B5V56(B)	2Q5V59(Q1)	25V590SDS	3B5V56(B)	3Q5V59(Q1)	35V590SDS	4B5V56(B)	4Q5V59(Q1)	45V590SD
5.9	1B5V58(B)	2B5V58(B)	—	—	3B5V58(B)	—	—	4B5V58(B)	—	—
6.2	1B5V60(B)	2B5V60(B)	2Q5V63(Q1)	25V630SK	3B5V60(B)	3Q5V63(Q1)	35V630SK	4B5V60(B)	4Q5V63(Q1)	45V630SK
6.3	1B5V62(B)	2B5V62(B)	—	—	3B5V62(B)	—	—	4B5V62(B)	—	—
6.6	1B5V64(B)	2B5V64(B)	2Q5V67(Q1)	25V670SK	3B5V64(B)	3Q5V67(Q1)	35V670SK	4B5V64(B)	4Q5V67(Q1)	45V670SK
6.7	1B5V66(B)	2B5V66(B)	—	—	3B5V66(B)	—	—	4B5V66(B)	—	—
7.0	1B5V68(B)	2B5V68(B)	2Q5V71(Q1)	25V710SK	3B5V68(B)	3Q5V71(Q1)	35V710SF	4B5V68(B)	4Q5V71(Q1)	45V710SF
7.1	1B5V70(B)	2B5V70(B)	—	—	3B5V70(B)	—	—	4B5V70(B)	—	—
7.4	—	—	2Q5V75(Q1)	25V750SK	—	3Q5V75(Q1)	35V750SF	—	4Q5V75(Q1)	45V750SF
7.5	1B5V74(B)	2B5V74(B)	—	—	3B5V74(B)	—	—	4B5V74(B)	—	—
7.9	—	—	2Q5V80(Q1)	25V800SK	—	3R5V80(R1)	35V800SF	—	4R5V80(R1)	45V800E
8.1	1B5V80(B)	2B5V80(B)	—	—	3B5V80(B)	—	—	4B5V80(B)	—	—
8.4	—	—	2Q5V85(Q1)	25V850SK	—	3R5V85(R1)	35V850SF	—	4R5V85(R1)	45V850E
8.9	1B5V86(B)	2B5V86(B)	2Q5V90(Q1)	25V900SK	3B5V86(B)	3R5V90(R1)	35V900SF	4B5V86(B)	4R5V90(R1)	45V900E
9.2	1B5V90(B)	2B5V90(B)	2Q5V92(Q1)	25V925SK	3B5V90(B)	3R5V92(R1)	35V925SF	4B5V90(B)	4R5V92(R1)	45V925E
9.7	1B5V94(B)	2B5V94(B)	2Q5V97(Q1)	25V975SK	3B5V94(B)	3R5V97(R1)	35V975SF	4B5V94(B)	4R5V97(R1)	45V975E
10.2	—	—	2Q5V103(Q1)	25V1030SK	—	3R5V103(R1)	35V1030SF	—	4R5V103(R1)	45V1030E
10.8	—	—	2Q5V109(Q1)	25V1090SK	—	3R5V109(R1)	35V1090SF	—	4R5V109(R1)	45V1090E
11.1	1B5V110(B)	2B5V110(B)	—	—	3B5V110(B)	—	—	4B5V110(B)	—	—
11.2	—	—	—	25V1130SK	—	—	35V1130SF	—	—	45V1130E
11.7	—	—	2Q5V118(Q1)	25V1180SK	—	3R5V118(R1)	35V1180SF	—	4R5V118(R1)	45V1180E
12.4	—	—	2Q5V125(Q1)	25V1250SK	—	3R5V125(R1)	35V1250E	—	4R5V125(R1)	45V1250E
12.5	1B5V124(B)	2B5V124(B)	—	—	3B5V124(B)	—	—	4B5V124(B)	—	—
13.1	—	—	2Q5V132(Q1)	25V1320SF	—	3R5V132(R1)	35V1320E	—	4R5V132(R1)	45V1320E
13.9	1B5V136(B)	2B5V136(B)	2R5V140(R1)	25V1400SF	3B5V136(B)	3R5V140(R1)	35V1400E	4B5V136(B)	4R5V140(R1)	45V1400E
14.9	—	—	2R5V150(R1)	25V1500SF	—	3R5V150(R1)	35V1500E	—	4R5V150(R1)	45V1500E
15.5	1B5V154(B)	2B5V154(B)	—	—	3B5V154(B)	—	—	4B5V154(B)	—	—
15.9	—	—	2R5V160(R1)	25V1600SF	—	3R5V160(R1)	35V1600E	—	4R5V160(R1)	45V1600E
16.1	1B5V160(B)	2B5V160(B)	—	—	3B5V160(B)	—	—	4B5V160(B)	—	—
18.5	1B5V184(B)	2B5V184(B)	—	—	3B5V184(B)	—	—	4B5V184(B)	—	—
18.6	—	—	—	25V1870SF	—	—	35V1870E	—	—	45V1870E
20.1	1B5V200(B)	2B5V200(B)	—	—	3B5V200(B)	—	—	4B5V200(B)	—	—
21.1	—	—	2R5V212(R1)	25V2120SF	—	3R5V212(R1)	35V2120E	—	4R5V212(R1)	45V2120E
23.5	1B5V234(B)	2B5V234(B)	—	25V2360E	3B5V234(B)	—	35V2360E	4B5V234(B)	—	45V2360F
25.1	1B5V250(B)	2B5V250(B)	—	—	3B5V250(B)	—	—	4B5V250(B)	—	—
27.9	1B5V278(B)	2B5V278(B)	2R5V280(R1)	25V2800E	3B5V278(B)	3R5V280(R1)	35V3800E	4B5V278(B)	4S5V280(S1)	45V2800F
31.4	—	—	—	—	—	—	35V3150F	—	—	45V3150F
37.4	—	—	—	—	—	3S5V375(S1)	35V3750F	—	4S5V375(S1)	45V3750F
49.9	—	—	—	—	—	3U5V500(U0)	35V5000F	—	4U5V500(U0)	45V5000J

Table No. 2

5 — 10 Groove "5V" Sheaves

Pitch Diameter	5 Groove			6 Groove			8 Groove		10 Groove	
	5V	Q-D®	B5V®	5V	Q-D®	B5V®	5V	Q-D®	5V	Q-D®
	Page A-70	Page A-74	Page A-34	Page A-71	Page A-74	Page A-34	Page A-71	Page A-75	Page A-75	Page A-75
4.3"	—	55V440SD	5B5V42(P2)	—	65V440SD	6B5V42(P2)	—	—	—	—
4.5	5Q5V46(Q2)	55V465SD	5B5V44(P2)	—	65V465SD	6B5V44(P2)	—	—	—	—
4.8	5Q5V49(Q2)	55V490SD	5B5V46(P2)	—	65V490SD	6B5V46(P2)	—	—	—	—
4.9	—	—	5B5V48(P2)	—	—	6B5V48(P2)	—	—	—	—
5.1	5Q5V52(Q2)	55V520SD	5B5V50(Q1)	—	65V520SD	6B5V50(Q2)	—	—	—	—
5.4	5Q5V55(Q2)	55V550SD	5B5V52(Q1)	—	65V550SD	6B5V52(Q2)	—	—	—	—
5.5	—	—	5B5V54(Q1)	—	—	6B5V54(Q2)	—	—	—	—
5.8	5Q5V59(Q2)	55V590SK	5B5V56(Q1)	—	65V590SK	6B5V56(Q2)	—	—	—	—
5.9	—	—	5B5V58(Q1)	—	—	6B5V58(Q1)	—	—	—	—
6.2	5Q5V63(Q2)	55V630SK	5B5V60(Q1)	—	65V630SK	6B5V60(Q1)	—	—	—	—
6.3	—	—	5B5V62(Q1)	—	—	6B5V62(Q1)	—	—	—	—
6.6	5Q5V67(Q2)	55V670SF	5B5V64(Q1)	—	65V670SF	6B5V64(Q1)	—	—	—	—
6.7	—	—	5B5V66(Q1)	—	—	6B5V66(Q1)	—	—	—	—
7.0	5Q5V71(Q2)	55V710SF	5B5V68(Q1)	6Q5V71(Q2)	65V710SF	6B5V68(Q1)	8Q5V71(Q2)	85V710SF	—	—
7.1	—	—	5B5V70(Q1)	—	—	6B5V70(Q2)	—	—	—	—
7.4	5Q5V75(Q2)	55V750SF	—	6Q5V75(Q2)	65V750SF	—	8Q5V75(Q2)	85V750SF	—	—
7.5	—	—	5B5V74(Q1)	—	—	6B5V74(Q2)	—	—	—	—
7.9	5R5V80(R1)	55V800E	—	6R5V80(R1)	65V800E	—	8R5V80(R2)	85V800E	10R5V80(R1)	105V800E
8.1	—	—	5B5V80(R1)	—	—	6B5V80(R1)	—	—	—	—
8.4	5R5V85(R1)	55V850E	—	6R5V85(R1)	65V850E	—	8R5V85(R2)	85V850E	10R5V85(R1)	105V850E
8.9	5R5V90(R1)	55V900E	5B5V86(R1)	6R5V90(R1)	65V900E	6B5V86(R1)	8R5V90(R2)	85V900E	10R5V90(R1)	105V900F
9.2	5R5V92(R1)	55V925E	5B5V90(R1)	6R5V92(R1)	65V925E	6B5V90(R1)	8S5V92(S1)	85V925F	10S5V92(S1)	105V925F
9.7	5R5V97(R1)	55V975E	5B5V94(R1)	6R5V97(R1)	65V975E	6B5V94(R1)	8S5V97(S1)	85V975F	10S5V97(S1)	105V975F
10.2	5R5V103(R1)	55V1030E	—	6R5V103(R1)	65V1030E	—	8S5V103(S1)	85V1030F	10S5V103(S1)	105V1030F
10.8	5R5V109(R1)	55V1090E	—	6R5V109(R1)	65V1090E	—	8S5V109(S1)	85V1090F	10S5V109(S1)	105V1090F
11.1	—	—	5B5V110(R1)	—	—	6B5V110(R1)	—	—	—	—
11.2	—	55V1130E	—	—	65V1130E	—	—	85V1130F	—	105V1130F
11.7	5R5V118(R1)	55V1180E	—	6R5V118(R1)	65V1180E	—	8S5V118(S1)	85V1180F	10S5V118(S1)	105V1180F
12.4	5R5V125(R1)	55V1250E	—	6S5V125(S1)	65V1250E	—	8S5V125(S1)	85V1250F	10U5V125(U1)	105V1250J
12.5	—	—	5B5V124(R1)	—	—	6B5V124(R1)	—	—	—	—
13.1	5R5V132(R1)	55V1320E	—	6S5V132(S1)	65V1320F	—	8S5V132(S1)	85V1320F	10U5V132(U1)	105V1320J
13.9	5R5V140(R1)	55V1400E	5B5V136(R1)	6S5V140(S1)	65V1400F	6B5V136(R1)	8S5V140(S1)	85V1400F	10U5V140(U1)	105V1400J
14.9	5R5V150(R1)	55V1500E	—	6S5V150(S1)	65V1500F	—	8S5V150(S1)	85V1500F	10U5V150(U1)	105V1500J
15.5	—	—	5B5V154(R1)	—	—	6B5V154(R1)	—	—	—	—
15.9	5R5V160(R1)	55V1600E	—	6S5V160(S1)	65V1600F	—	8S5V160(S1)	85V1600F	10U5V160(U1)	105V1600J
16.1	—	—	5B5V160(R1)	—	—	6B5V160(R1)	—	—	—	—
18.5	—	—	5B5V184(R1)	—	—	6B5V184(R1)	—	—	—	—
18.6	—	55V1870F	—	—	65V1870F	—	—	85V1870J	—	105V1870J
20.1	—	—	5B5V200(R1)	—	—	6B5V200(R1)	—	—	—	—
21.1	5S5V212(S1)	55V2120F	—	6S5V212(S1)	65V2120F	—	8U5V212(U1)	85V2120J	10U5V212(U1)	105V2120J
23.5	—	55V2360F	—	—	65V2360J	—	—	85V2360J	—	105V2360M
24.9	5S5V250(S1)	—	—	6S5V250(S1)	—	—	8U5V250(U1)	—	10U5V250(U1)	—
25.1	—	—	5B5V250(R1)	—	—	6B5V250(R1)	—	—	—	—
27.9	5S5V280(S1)	55V2800F	—	6S5V280(S1)	65V2800J	—	8U5V280(U1)	85V2800J	10U5V280(U1)	105V2800M
31.4	—	55V3150J	—	—	65V3150J	—	—	85V3150M	—	105V3150M
37.4	5U5V375(U0)	55V3750J	—	6U5V375(U0)	65V3750J	—	8U5V375(U1)	85V3750M	10U5V375(U1)	105V3750M
49.9	5U5V500(U0)	55V5000J	—	6U5V500(U0)	65V5000M	—	8U5V500(U1)	85V5000M	10U5V500(U1)	105V5000M

Letter Suffix on Part Numbers for Q-D Sheaves indicates Bushing Size; Bushing Size is shown in parentheses for B5V and 5V Sheaves.

Table No. 1

4 - 8 Groove "8V" Sheaves

Pitch Diameters	4 GROOVES		5 GROOVES		6 GROOVES		8 GROOVES	
	Split Taper Bushing Page A-76	QD Bushing Page A-79	Split Taper Bushing Page A-76	QD Bushing Page A-79	Split Taper Bushing Page A-77	QD Bushing Page A-80	Split Taper Bushing Page A-77	QD Bushing Page A-80
12.3"	4S8V125(S1)	48V1250F	5S8V125(S1)	58V1250F	6S8V125(S1)	68V1250F	8S8V125(S2)	88V1250J
13.0	4S8V132(S1)	48V1320F	5S8V132(S1)	58V1320F	6S8V132(S1)	68V1320F	8S8V132(S2)	88V1320J
13.8	4S8V140(S1)	48V1400F	5S8V140(S1)	58V1400F	6S8V140(S1)	68V1400F	8S8V140(S2)	88V1400J
14.8	4S8V150(S1)	48V1500F	5S8V150(S1)	58V1500F	6S8V150(S1)	68V1500J	8S8V150(S2)	88V1500J
15.8	4S8V160(S1)	48V1600F	5S8V160(S1)	58V1600F	6S8V160(S1)	68V1600J	8S8V160(S2)	88V1600J
16.8	4S8V170(S1)	48V1700F	5S8V170(S1)	58V1700J	6S8V170(S1)	68V1700J	8U8V170(U1)	88V1700M
17.8	4S8V180(S1)	48V1800F	5S8V180(S1)	58V1800J	6S8V180(S1)	68V1800J	8U8V180(U1)	88V1800M
18.8	4S8V190(S1)	48V1900F	5S8V190(S1)	58V1900J	6S8V190(S1)	68V1900J	8U8V190(U1)	88V1900M
19.8	4S8V200(S1)	48V2000J	5S8V200(S1)	58V2000J	6S8V200(S1)	68V2000M	8U8V200(U1)	88V2000M
21.0	4S8V212(S1)	48V2120J	5S8V212(S1)	58V2120J	6S8V212(S1)	68V2120M	8U8V212(U1)	88V2120M
22.2	4U8V224(U0)	48V2240J	5U8V224(U0)	58V2240M	6U8V224(U0)	68V2240M	8U8V224(U1)	88V2240M
24.6	—	48V2480M	—	58V2480M	—	68V2480M	—	88V2480N
29.8	4U8V300(U0)	48V3000M	5U8V300(U0)	58V3000M	6U8V300(U0)	68V3000M	8U8V300(U1)	88V3000N
35.3	—	48V3550M	—	58V3550M	—	68V3550N	—	88V3550N
39.8	4U8V400(U0)	48V4000M	5U8V400(U0)	58V4000M	6U8V400(U0)	68V4000N	8W8V400(W1)	88V4000N
44.3	—	48V4450M	—	58V4450N	—	68V4450N	—	88V4450P
47.8	4U8V480(U0)	—	5U8V480(U0)	—	6U8V480(U0)	—	8W8V480(W1)	—
52.8	4U8V530(U0)	48V5300M	5U8V530(U0)	58V5300N	6U8V530(U0)	68V5300N	8W8V530(W1)	88V5300P
57.8	4U8V580(U0)	—	5U8V580(U0)	—	6U8V580(U0)	—	8W8V580(W1)	—
62.8	—	—	—	—	—	—	—	88V6300P
63.8	4U8V640(U0)	—	5U8V640(U0)	—	6U8V640(U0)	—	8W8V640(W1)	—

Table No. 2

10 - 16 Groove "8V" Sheaves

Pitch Diameters	10 GROOVES		12 GROOVES		14 GROOVES	16 GROOVES
	Split Taper Bushing Page A-78	QD Bushing Page A-80	Split Taper Bushing Page A-78	QD Bushing Page A-80	Split Taper Bushing Page A-78	Split Taper Bushing Page A-78
12.3"	10U8V125(U1)	108V1250J	12U8V125(U2)	128V1250M	14U8V125(U2)	16U8V125(U2)
13.0	10U8V132(U1)	108V1320J	12U8V132(U2)	128V1320M	14U8V132(U2)	16U8V132(U2)
13.8	10U8V140(U1)	108V1400J	12U8V140(U2)	128V1400M	14U8V140(U2)	16U8V140(U2)
14.8	10U8V150(U1)	108V1500M	12U8V150(U2)	128V1500M	14U8V150(U2)	16U8V150(U2)
15.8	10U8V160(U1)	108V1600M	12U8V160(U2)	128V1600M	14U8V160(U2)	16U8V160(U2)
16.8	10U8V170(U1)	108V1700M	12U8V170(U2)	128V1700M	14U8V170(U2)	16U8V170(U2)
17.8	10U8V180(U1)	108V1800M	12U8V180(U2)	128V1800M	14U8V180(U2)	16U8V180(U2)
18.8	10U8V190(U1)	108V1900M	12U8V190(U2)	128V1900N	14U8V190(U2)	16U8V190(U2)
19.8	10U8V200(U1)	108V2000M	12U8V200(U2)	128V2000N	14U8V200(U2)	16U8V200(U2)
21.0	10U8V212(U1)	108V2120M	12U8V212(U2)	128V2120N	14U8V212(U2)	16U8V212(U2)
22.2	10U8V224(U1)	108V2240N	12U8V224(U2)	128V2240N	14U8V224(U2)	16U8V224(U2)
24.6	—	108V2480N	—	128V2480N	—	—
29.8	10U8V300(U1)	108V3000N	12U8V300(U2)	128V3000P	14U8V300(U2)	16U8V300(U2)
35.3	—	108V3550P	—	128V3550P	—	—
39.8	10W8V400(W1)	108V4000P	12W8V400(W2)	128V4000P	14W8V400(W2)	16W8V400(W2)
44.3	—	108V4450P	—	128V4450P	—	—
47.8	10W8V480(W1)	—	12W8V480(W2)	—	14W8V480(W2)	16W8V480(W2)
52.8	10W8V530(W1)	108V5300P	12W8V530(W2)	—	14W8V530(W2)	16W8V530(W2)
57.8	10W8V580(W1)	—	12W8V580(W2)	—	14W8V580(W2)	16W8V580(W2)
62.8	—	—	—	—	—	—
63.8	10W8V640(W1)	—	12W8V640(W2)	—	14W8V640(W2)	16W8V640(W2)

Table No. 3

Split Taper Bushing Bores

Bushing	Bore Range	Bushing	Bore Range
G	3/8 - 1"	S1	1 11/16 - 4 1/4"
H	3/8 - 1 1/2	S2	1 7/8 - 4 3/16
P1	1/2 - 1 3/4	U0	2 3/8 - 5 1/2
B	1/2 - 2 7/16	U1	2 3/8 - 5 1/2
Q1	3/4 - 2 11/16	U2	2 7/16 - 5
Q2	1 - 2 5/8	W1	3 3/8 - 7 7/16
R1	1 1/8 - 3 3/4	W2	3 3/8 - 7 7/16
R2	1 3/8 - 3 5/8		

Table No. 4

Q-D® Bushing Bores

Bushing	Bore Range	Bushing	Bore Range
JA	1/2 - 1 1/4"	E	7/8 - 3 1/2"
SH	1/2 - 1 5/8	F	1 - 4
SDS	1/2 - 2	J	1 1/2 - 4 1/2
SD	1/2 - 2	M	2 - 5 1/2
SK	1/2 - 2 5/8	N	2 7/16 - 5 7/8
SF	1/2 - 2 15/16	P	2 15/16 - 7

A

SINGLE GROOVE SHEAVES FOR "4L" or "A" and "5L" or "B" Belts

Table No. 1

Stock Sizes — Finished Bore

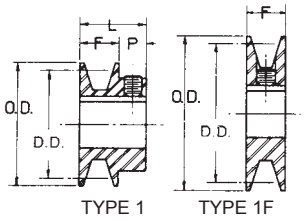
	Part No.	DIAMETER Outside	DIAMETER Datum "A"	Type	STOCK BORES MARKED "X" 1/2"	5/8"	3/4"	7/8"	1"	DIMENSIONS F	L	P	C	Wt. Lbs
BAR STEEL	**AS15**	1.50"	1.25"	1	x	—	—	—	—	5/8"	1 1/16"	7/16"	—	.2
	AS17	1.75	1.50	1	x	x	x▲	—	—	5/8	1 1/16	7/16	—	.3
	AS20	2.00	1.80	1F	x	x●	x●	—	—	5/8	—	—	—	.3
	AS21	2.10	1.90	1F	x	x●	x●	—	—	5/8	—	—	—	.3
	AS22	2.20	2.00	1F	x	x	x●	—	—	5/8	—	—	—	.4
	AS23	2.30	2.10	1F	x	x	x	—	—	5/8	—	—	—	.4
	AS25	2.50	2.30	1F	x	x	x	x	—	5/8	—	—	—	.5
	AS26	2.60	2.40	1F	x	x	x	x	—	5/8	—	—	—	.5
	AS27	2.70	2.50	1F	x	x	x	x	—	5/8	—	—	—	.6
	AS28	2.80	2.60	1F	x	x	x	x	—	5/8	—	—	—	.6
	AS30	3.05	2.80	1F	x	x	x	x	x	5/8	—	—	—	.8
	AS32	3.25	3.00	1F	x	x	x	x	x	5/8	—	—	—	.9
	AS34	3.45	3.20	1F	x	x	x	x	x	5/8	—	—	—	1.0

▲ No Keyseat ● Set Screw at 90° to Keyseat.
All stock sizes are furnished with hollow head set screw and individual packaged.

Standard Keyseats

Table No. 3

Bore Range	Keyseat
3/8" to 1/2"	None
5/8 to 7/8	3/8 x 3/32
15/16 to 1 1/4	1/4 x 1/8
1 7/16	3/8 x 3/16



TYPE 1 TYPE 1F

Table No. 2

Stock Sizes — Finished Bore

	Part No.	DIAMETER Outside	DIAMETER Datum "A"	DIAMETER Datum "B"	Type	STOCK BORES MARKED "X" 1/2"	5/8"	3/4"	7/8"	1"	1 1/8"	1 3/16"	1 1/4"	1 7/16"	F	DIMENSIONS L	P	C	Wt. Lbs
BAR STEEL	**BS24**	2.40"	1.80	2.20"	1F	x	—	—	—	—	—	—	—	—	3/4"	—	—	—	.4
	BS24	2.40	1.80	2.20	1	—	x	x	—	—	—	—	—	—	3/4	1 3/16"	7/16"	—	.5
	BS25	2.50	1.90	2.30	1F	x	—	—	—	—	—	—	—	—	3/4	—	—	—	.5
	BS25	2.50	1.90	2.30	1	—	x	x	x	—	—	—	—	—	3/4	1 3/16"	7/16"	—	.7
	BS26	2.60	2.00	2.40	1F	x	—	—	—	—	—	—	—	—	3/4	—	—	—	.5
	BS26	2.60	2.00	2.40	1	—	x	x	x	—	—	—	—	—	3/4	1 3/16	7/16	—	.7
	BS27	2.70	2.10	2.50	1F	x	x	—	—	—	—	—	—	—	3/4	—	—	—	.6
	BS27	2.70	2.10	2.50	1	—	—	x	x	—	—	—	—	—	3/4	1 3/16	7/16	—	.8
	BS28	2.96	2.20	2.60	1F	x	x	x	x	—	—	—	—	—	3/4	—	—	—	.8
	BS28	2.96	2.20	2.60	1	—	—	—	—	x	—	—	—	—	3/4	1 3/16	7/16	—	.8
	BS30	3.16	2.40	2.80	1F	x	x	x	x	x	—	—	—	—	3/4	—	—	—	1.0
	BS32	3.36	2.60	3.00	1F	x	x	x	x	x	—	—	—	—	3/4	—	—	—	1.1

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Single Groove Sheaves for "4L" or "A" Belts

"3L" Belts may also be used with These Sheaves as Indicated in Table Below

A

Table No. 1

Stock Sizes — Finished Bore

Part No.	DIAMETER Outside	DIAMETER Datum "A"	DIAMETER Pitch "3L"	Type	STOCK BORES MARKED "X" 1/2"	5/8"	3/4"	7/8"	15/16"	1"	1 1/8"	1 3/16"	1 1/4"	1 3/8"	1 7/16"	DIMENSIONS F	L	P	C	Wt. Lbs.
▲AK17	1.75"	1.50"	1.16"	1	x	x	—	—	—	—	—	—	—	—	—	21/32"	15/16"	7/16"	5/32"	.2
▲AK20	2.00	1.80	1.46	1	x	x	x	—	—	—	—	—	—	—	—	21/32	15/16	7/16	5/32	.3
▲AK21	2.10	1.90	1.56	1	x	x	x	—	—	—	—	—	—	—	—	21/32	15/16	7/16	5/32	.4
▲AK22	2.20	2.00	1.66	1	x	x	x	—	—	—	—	—	—	—	—	21/32	15/16	7/16	5/32	.5
▲AK23	2.30	2.10	1.76	1	x	x	x	—	—	—	—	—	—	—	—	21/32	15/16	7/16	5/32	.5
▲AK25	2.50	2.30	1.96	2	x	x	x	—	—	—	—	—	—	—	—	21/32	15/16	7/16	5/32	.5
▲AK26	2.60	240	2.06	2	x	x	x	—	—	—	—	—	—	—	—	21/32	15/16	7/16	5/32	.5
▲AK27	2.70	2.50	2.16	2	x	x	x	—	—	—	—	—	—	—	—	21/32	15/16	7/16	5/32	.6
▲AK28	2.80	2.60	2.26	2	x	x	x	—	—	—	—	—	—	—	—	21/32	15/16	7/16	5/32	.7
▲AK30	3.05	2.80	2.46	2	x	x	x	x	—	—	—	—	—	—	—	21/32	15/16	7/16	5/32	.7
▲AK32	3.25	3.00	2.66	2	x	x	x	x	—	—	—	—	—	—	—	21/32	15/16	7/16	5/32	.7
▲AK34	3.45	3.20	2.86	2	x	x	x	x	—	—	—	—	—	—	—	21/32	15/16	7/16	5/32	.9
AK39	3.75	3.50	3.16	2	x	x	x	x	x	x	—	—	—	—	—	3/4	1 5/32	15/32	1/16	1.4
AK41	3.95	3.70	3.36	2	x	x	x	x	x	x	—	—	—	—	—	3/4	1 5/32	15/32	1/16	1.5
AK44	4.25	4.00	3.66	3	x	x	x	x	x	x	x	—	—	—	—	3/4	1 5/32	15/32	1/16	1.5
AK46	4.45	4.20	3.86	3	x	x	x	x	x	x	x	—	—	—	—	3/4	1 5/32	15/32	1/16	1.5
AK49	4.75	4.50	4.16	3	x	x	x	x	x	x	x	—	—	—	—	3/4	1 5/32	15/32	1/16	1.7
AK51	4.95	4.70	4.36	3	x	x	x	x	—	x	x	—	—	—	—	3/4	1 5/32	15/32	1/16	1.7
AK54	5.25	5.00	4.66	3	x	x	x	x	x	x	x	x	—	—	—	3/4	1 5/32	15/32	1/16	1.8
AK56	5.45	5.20	4.86	3	x	x	x	x	x	x	x	x	—	—	—	3/4	1 5/32	15/32	1/16	1.9
AK59	5.75	5.50	5.16	3	x	x	x	x	x	x	x	x	—	—	—	3/4	1 5/32	15/32	1/16	2.0
AK61	5.95	5.70	5.36	3	x	x	x	x	x	x	x	x	—	—	—	3/4	1 5/32	15/32	1/16	2.1
AK64	6.25	6.00	5.66	3	x	x	x	x	x	x	x	x	—	—	—	3/4	1 5/32	15/32	1/16	2.2
AK66	6.45	6.20	5.86	3	—	x	x	—	—	x	x	—	—	—	—	3/4	1 5/32	15/32	1/16	2.3
AK69	6.75	6.50	6.16	3	—	—	x	—	—	x	x	—	—	—	—	3/4	1 15/32	23/32	0	3.5
AK71	6.95	6.70	6.36	3	—	x	x	—	—	x	x	—	—	—	x	3/4	1 15/32	23/32	0	3.8
▲AK74	7.25	7.00	6.66	3	x	x	x	—	x	x	x	x	x	—	x	3/4	1 15/32	23/32★	0★	3.4
▲AK79	7.75	7.50	7.16	3	—	—	x	—	—	x	x	—	—	—	x	3/4	1 15/32	23/32	0	4.0
▲AK84	8.25	8.00	7.66	3	x	x	x	—	x	x	—	x	—	—	x	3/4	1 15/32	23/32★	0★	3.8
▲AK89	8.75	8.50	8.16	3	—	—	x	—	—	x	x	—	—	—	x	3/4	1 15/32	23/32	0	4.3
▲AK94	9.25	9.00	8.66	3	x	x	x	—	x	x	—	x	x	—	x	3/4	1 15/32	23/32★	0★	4.5
▲AK99	9.75	9.50	9.16	3	—	—	x	—	—	x	—	—	—	—	x	3/4	1 15/32	23/32	0	5.3
▲AK104	10.25	10.00	9.66	3	—	x	x	—	—	x	—	x	x	x	x	3/4	1 15/32	23/32★	0★	5.1
▲AK109	10.75	10.50	10.16	3	—	—	x	—	—	x	—	—	—	x	x	3/4	1 15/32	23/32	0	5.8
▲AK114	11.25	11.00	10.66	3	—	—	x	—	—	x	—	x	—	—	x	3/4	1 15/32	23/32★	0★	5.6
▲AK124	12.25	12.00	11.66	3	—	x	x	—	—	x	—	x	x	—	x	3/4	1 15/32	23/32★	0★	6.5
AK134	13.25	13.00	12.66	3	—	—	x	—	—	x	—	x	—	x	x	3/4	1 15/32	23/32	0	7.5
AK144	14.25	14.00	13.66	3	—	—	x	—	—	x	—	x	—	x	x	3/4	1 15/32	23/32	0	8.5
AK154	15.25	15.00	14.66	3	—	—	x	—	—	x	—	x	—	x	x	3/4	1 15/32	23/32	0	9.8
AK184	18.25	18.00	17.66	3	—	—	x	—	—	x	—	x	—	—	x	3/4	1 15/32	23/32	0	12.1

★P = 25/32" and C = 1/16" for 1" Bore and Smaller.

For bores not usually encountered, use FHP Bushings shown on Page A-6.

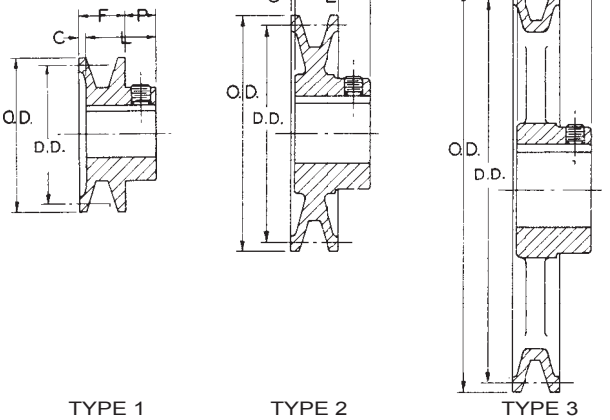
▲ NOTE — DO NOT USE THESE "AK" SHEAVES WITH BORES 1" AND UNDER WITH GRIPNOTCH BELT RATINGS.

Standard Keyseats

Table No. 2

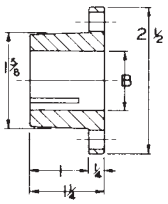
Bore Range	Keyseat
1/2"	None
5/8" to 7/8"	3/16" x 3/32"
15/16 to 1 1/4	1/4 x 1/8
1 7/16	3/8 x 3/16

Browning "AK" Sheaves are accurately machined from fine grained cast iron, statically balanced, painted and individually packaged. They are furnished with Standard Keyseats and Hollow Head Setscrews.



Single Groove Sheaves for "4L" or "A" Belts

"3L" Belts may be used with These Sheaves as Indicated in Table Below



Stock Sizes — with Split Taper Bushings

Table No. 1

Part No.	DIAMETERS O.D.	Datum "A"	Pitch "3L"	Type	DIMENSIONS O.L.	F	L	P	C	X	G	E	Wt. Less Bush.
AK30H	3.05"	2.80"	2.46"	1	1 13/16"	3/4"	1 1/4"	7/8"	—	1 3/16"	7/16"	3/16"	1.1
AK32H	3.25	3.00	2.66	1	1 13/16	3/4	1 1/4	7/8	—	1 3/16	7/16	3/16	1.2
AK34H	3.45	3.20	2.86	2	1 1/2	3/4	1 1/4	9/16	—	7/8	7/16	3/16	1.0
AK39H	3.75	3.50	3.16	2	1 1/2	3/4	1 1/4	9/16	—	7/8	7/16	3/16	1.4
AK41H	3.95	3.70	3.36	2	1 1/2	3/4	1 1/4	9/16	—	7/8	7/16	3/16	1.6
AK44H	4.25	4.00	3.66	2	1 1/2	3/4	1 1/4	9/16	—	7/8	7/16	3/16	1.9
AK46H	4.45	4.20	3.86	2	1 1/2	3/4	1 1/4	9/16	—	7/8	7/16	3/16	1.9
AK49H	4.75	4.50	4.16	2	1 1/2	3/4	1 1/4	9/16	—	7/8	7/16	3/16	2.1
AK51H	4.95	4.70	4.36	2	1 1/2	3/4	1 1/4	9/16	—	7/8	7/16	3/16	2.3
AK54H	5.25	5.00	4.66	2	1 1/2	3/4	1 1/4	9/16	—	7/8	7/16	3/16	2.0
AK56H	5.45	5.20	4.86	2	1 1/2	3/4	1 1/4	9/16	—	7/8	7/16	3/16	2.3
AK59H	5.75	5.50	5.16	2	1 1/2	3/4	1 1/4	9/16	—	7/8	7/16	3/16	2.4
AK61H	5.95	5.70	5.36	3	1 1/2	3/4	1 1/4	9/16	0	7/8	7/16	3/16	2.5
AK64H	6.25	6.00	5.66	3	1 1/2	3/4	1 1/4	9/16	0	7/8	7/16	3/16	2.7
AK66H	6.45	6.20	5.86	3	1 1/2	3/4	1 1/4	9/16	0	7/8	7/16	3/16	2.8
AK69H	6.75	6.50	6.16	3	1 1/2	3/4	1 1/4	9/16	0	7/8	7/16	3/16	3.2
AK71H	6.95	6.70	6.36	3	1 1/2	3/4	1 1/4	9/16	0	7/8	7/16	3/16	3.1
AK74H	7.25	7.00	6.66	3	1 1/2	3/4	1 1/4	9/16	0	7/8	7/16	3/16	3.3
AK79H	7.75	7.50	7.16	3	1 1/2	3/4	1 1/4	9/16	0	7/8	7/16	3/16	3.5
AK84H	8.25	8.00	7.66	3	1 1/2	3/4	1 1/4	9/16	0	7/8	7/16	3/16	3.6
AK89H	8.75	8.50	8.16	3	1 1/2	3/4	1 1/4	9/16	0	7/8	7/16	3/16	4.0
AK94H	9.25	9.00	8.66	3	1 1/2	3/4	1 1/4	9/16	0	7/8	7/16	3/16	4.4
AK99H	9.75	9.50	9.16	3	1 1/2	3/4	1 1/4	9/16	0	7/8	7/16	3/16	4.7
AK104H	10.25	10.00	9.66	3	1 1/2	3/4	1 1/4	9/16	0	7/8	7/16	3/16	4.5
AK109H	10.75	10.50	10.16	3	1 1/2	3/4	1 1/4	9/16	0	7/8	7/16	3/16	5.1
AK114H	11.25	11.00	10.66	3	1 1/2	3/4	1 1/4	9/16	0	7/8	7/16	3/16	5.5
AK124H	12.25	12.00	11.66	3	1 1/2	3/4	1 1/4	9/16	0	7/8	7/16	3/16	6.1
AK134H	13.25	13.00	12.66	3	1 1/2	3/4	1 1/4	9/16	0	7/8	7/16	3/16	7.4
AK144H	14.25	14.00	13.66	3	1 1/2	3/4	1 1/4	9/16	0	7/8	7/16	3/16	7.8
AK154H	15.25	15.00	14.66	3	1 1/2	3/4	1 1/4	9/16	0	7/8	7/16	3/16	8.8
AK184H	18.25	18.00	17.66	3	1 1/2	3/4	1 1/4	9/16	0	7/8	7/16	3/16	11.3

Stock "H" Bushings

Table No. 2

Stock Bores	Keyseats
3/8"	None
7/16	None
1/2	1/8 x 1/16"
9/16	1/8 x 1/16
5/8	3/16 x 3/32
11/16	3/16 x 3/32
3/4	3/16 x 3/32
13/16	3/16 x 3/32
7/8	3/16 x 3/32
15/16	1/4 x 1/8
1	1/4 x 1/8
1 1/16	1/4 x 1/8
1 1/8	1/4 x 1/8
1 3/16	1/4 x 1/8
1 1/4	1/4 x 1/16*
1 5/16	5/16 x 1/16*
1 3/8	5/16 x 1/16*
1 3/8	3/8 x 1/16*
1 7/16	3/8 x 1/16*
1 1/2	3/8 x 1/16*

Millimeter Bores

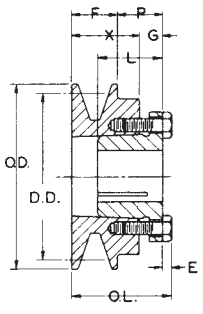
10 mm	None
11	None
12	None
14	5 mm x 2.5 mm
16	5 x 2.5
18	6 x 3
19	6 x 3
20	6 x 3
22	6 x 3
24	8 x 3.5
25	8 x 3.5
28	8 x 3.5
30	8 x 3.5
32	10 x 4
35	10 x 4
36	10 x 4
38	10 x 4

Stock Spline Bores

.978 - 10 Inv.	X
1 1/8 - 6B	X
1 3/8 - 6B	X
1 3/8 - 21 Inv.	X

Part Numbers are specified by "H" and bore size, Example: "H — 1 1/8"

***These sizes are furnished with special keys to fit standard depth keyseats**



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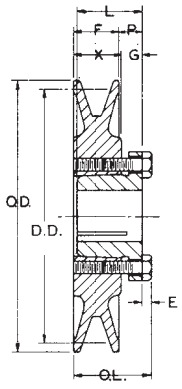

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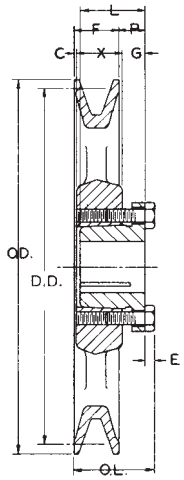


TYPE 3

Two Groove Sheaves for "4L" or "A" Belts

"3L" Belts may be used with These Sheaves as Indicated in Table Below

A

Table No. 1

Stock Sizes — Finished Bore

Part No.	DIAMETER Outside	DIAMETER Datum "A"	DIAMETER Pitch "3L"	Type	STOCK BORES MARKED "X" 1/2"	5/8"	3/4"	7/8"	15/16"	1"	1 1/8"	1 3/16"	1 3/8"	1 7/16"	DIMENSIONS F	L	P	C	Wt. Lbs.
2AK20	2.00"	1.80"	1.46"	1	x	x	x	—	—	—	—	—	—	—	1 3/8"	1 21/32"	15/32"	3/16"	.8
2AK21	2.15	1.90	1.56	1	x	x	x	—	—	—	—	—	—	—	1 3/8	1 21/32	15/32	3/16	.9
2AK22	2.25	2.00	1.66	1	x	x	x	x	—	—	—	—	—	—	1 3/8	1 21/32	15/32	3/16	.9
2AK23	2.35	2.10	1.76	1	—	x	x	x	—	x	—	—	—	—	1 3/8	1 21/32	15/32	3/16	1.1
2AK25	2.55	2.30	1.96	1	—	x	x	x	—	x	—	—	—	—	1 3/8	1 21/32	15/32	3/16	1.3
2AK26	2.65	2.40	2.06	1	—	x	x	x	—	x	—	—	—	—	1 3/8	1 21/32	15/32	3/16	1.4
2AK27	2.75	2.50	2.16	1	—	x	x	x	—	x	—	—	—	—	1 3/8	1 21/32	15/32	3/16	1.5
2AK28	2.85	2.60	2.26	1	—	x	x	x	—	x	—	—	—	—	1 3/8	1 21/32	15/32	3/16	1.8
2AK30	3.05	2.80	2.46	1	x	x	x	x	—	x	x	—	—	—	1 3/8	1 21/32	15/32	3/16	1.8
2AK32	3.25	3.00	2.66	1	—	x	x	x	—	x	x	—	—	—	1 3/8	1 21/32	15/32	3/16	2.1
2AK34	3.45	3.20	2.86	1	—	x	x	x	—	x	x	—	—	—	1 3/8	1 21/32	15/32	3/16	2.3
2AK39	3.75	3.50	3.16	2	—	x	x	x	—	x	x	—	—	—	1 3/8	1 11/32	15/32	1/2	2.6
2AK41	3.95	3.70	3.36	2	—	x	x	x	—	x	x	—	—	—	1 3/8	1 11/32	15/32	1/2	2.9
2AK44	4.25	4.00	3.66	2	—	x	x	x	—	x	x	—	—	—	1 3/8	1 11/32	15/32	1/2	3.0
2AK46	4.45	4.20	3.86	2	—	—	—	x	—	x	x	—	—	—	1 3/8	1 11/32	15/32	1/2	3.1
2AK49	4.75	4.50	4.16	2	—	—	x	x	—	x	x	—	x	—	1 3/8	1 11/32	15/32	1/2	3.6
2AK51	4.95	4.70	4.36	2	—	—	x	x	—	x	x	—	x	—	1 3/8	1 11/32	15/32	1/2	3.8
2AK54	5.25	5.00	4.66	3	—	x	x	x	—	x	x	—	x	—	1 3/8	1 11/32	15/32	1/2	3.3
2AK56	5.45	5.20	4.86	3	—	x	x	—	—	x	x	—	x	—	1 3/8	1 11/32	15/32	1/2	3.4
2AK59	5.75	5.50	5.16	3	—	—	—	—	—	x	x	—	x	—	1 3/8	1 11/32	15/32	1/2	3.5
2AK61	5.95	5.70	5.36	3	—	—	x	x	—	x	x	—	x	—	1 3/8	1 11/32	15/32	1/2	3.6
2AK64	6.25	6.00	5.66	3	—	—	x	—	—	x	x	x	x	x	1 3/8	1 19/32	11/32	1/8	4.8
2AK74	7.25	7.00	6.66	3	—	—	x	—	—	x	x	x	x	x	1 3/8	1 19/32	11/32	1/8	5.6
2AK84	8.25	8.00	7.66	3	—	—	x	—	x	x	x	x	x	x	1 3/8	1 19/32	11/32	1/8	6.4
2AK94	9.25	9.00	8.66	3	—	—	x	—	—	x	x	x	x	x	1 3/8	1 19/32	11/32	1/8	7.3
2AK104	10.25	10.00	9.66	3	—	—	x	—	x	x	—	x	—	x	1 3/8	1 19/32	11/32	1/8	8.1
2AK114	11.25	11.00	10.66	3	—	—	x	—	—	x	—	x	x	x	1 3/8	1 19/32	11/32	1/8	9.0
2AK124	12.25	12.00	11.66	3	—	—	x	—	—	x	—	x	—	x	1 3/8	1 19/32	11/32	1/8	9.8
2AK134	13.25	13.00	12.66	3	—	—	—	—	—	—	—	x	—	x	1 3/8	1 19/32	11/32	1/8	12.3
2AK144	14.25	14.00	13.66	3	—	—	—	—	—	x	—	—	—	x	1 3/8	1 19/32	11/32	1/8	13.9
2AK154	15.25	15.00	14.66	3	—	—	—	—	—	—	—	x	—	x	1 3/8	1 19/32	11/32	1/8	14.3
2AK184	18.25	18.00	17.66	3	—	—	—	—	—	—	—	x	—	x	1 3/8	1 19/32	11/32	1/8	17.4

HOLLOW HEAD SETSCREWS

PAINTED

STATICALLY BALANCED

◆ ◆

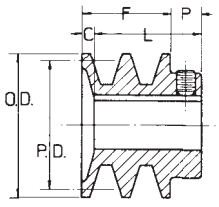
INDIVIDUALLY PACKAGED

CLOSE GRAINED CAST IRON

Standard Keyseats

Table No. 2

Bore Range	Keyseat
1/2"	None
5/8" to 7/8"	3/16" x 3/32"
15/16 to 1 1/4	1/4 x 1/8
1 7/16	3/8 x 3/16



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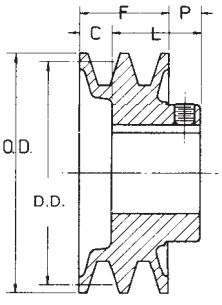

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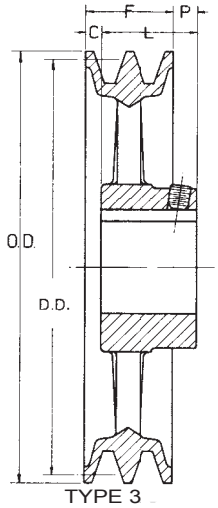


TYPE 3

Two Groove Sheaves for "4L" or "A" Belts

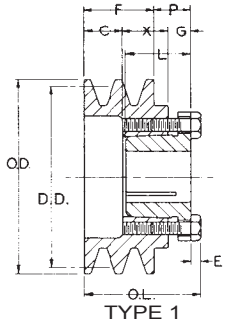
"3L" Belts may also be used with These Sheaves as Indicated in Table Below

Stock Sizes — with Split Taper Bushings

Table No.1

Part No.	DIAMETERS			Type	DIMENSIONS								Wt. Less Bush.
	O.D.	Datum "A"	Pitch "3L"		O.L.	F	L	P	C	X	G	E	
2AK30H	3.05"	2.80"	2.46"	1	2 7/16"	1 3/8"	1 1/4"	7/8"	15/16"	7/8"	7/16"	3/16"	1.4
2AK32H	3.25	3.00	2.66	1	2 7/16	1 3/8	1 1/4	7/8	15/16	7/8	7/16	3/16	1.7
2AK34H	3.45	3.20	2.86	1	2	1 3/8	1 1/4	7/16	1/2	7/8	7/16	3/16	1.8
2AK39H	3.75	3.50	3.16	1	2	1 3/8	1 1/4	7/16	1/2	7/8	7/16	3/16	1.8
2AK41H	3.95	3.70	3.36	2	1 1/2	1 3/8	1 1/4	1/16	—	7/8	7/16	3/16	1.9
2AK44H	4.25	4.00	3.66	2	1 1/2	1 3/8	1 1/4	1/16	—	7/8	7/16	3/16	2.4
2AK46H	4.45	4.20	3.86	2	1 1/2	1 3/8	1 1/4	1/16	—	7/8	7/16	3/16	2.5
2AK49H	4.75	4.50	4.16	2	1 1/2	1 3/8	1 1/4	1/16	—	7/8	7/16	3/16	3.1
2AK51H	4.95	4.70	4.36	2	1 1/2	1 3/8	1 1/4	1/16	—	7/8	7/16	3/16	3.2
2AK54H	5.25	5.00	4.66	2	1 1/2	1 3/8	1 1/4	1/16	—	7/8	7/16	3/16	3.4
2AK56H	5.45	5.20	4.86	2	1 1/2	1 3/8	1 1/4	1/16	—	7/8	7/16	3/16	3.6
2AK59H	5.75	5.50	5.16	3	1 1/2	1 3/8	1 1/4	1/16	0	7/8	7/16	3/16	3.4
2AK61H	5.95	5.70	5.36	3	1 1/2	1 3/8	1 1/4	1/16	0	7/8	7/16	3/16	3.3
2AK64H	6.25	6.00	5.66	3	1 1/2	1 3/8	1 1/4	1/16	0	7/8	7/16	3/16	3.9
2AK74H	7.25	7.00	6.66	3	1 1/2	1 3/8	1 1/4	1/16	0	7/8	7/16	3/16	4.9
2AK84H	8.25	8.00	7.66	3	1 1/2	1 3/8	1 1/4	1/16	0	7/8	7/16	3/16	5.8
2AK94H	9.25	9.00	8.66	3	1 1/2	1 3/8	1 1/4	1/16	0	7/8	7/16	3/16	6.1
2AK104H	10.25	10.00	9.66	3	1 1/2	1 3/8	1 1/4	1/16	0	7/8	7/16	3/16	7.7
2AK114H	11.25	11.00	10.66	3	1 1/2	1 3/8	1 1/4	1/16	0	7/8	7/16	3/16	8.5
2AK124H	12.25	12.00	11.66	3	1 1/2	1 3/8	1 1/4	1/16	0	7/8	7/16	3/16	9.5
2AK134H	13.25	13.00	12.66	3	1 1/2	1 3/8	1 1/4	1/16	0	7/8	7/16	3/16	11.4
2AK144H	14.25	14.00	13.66	3	1 1/2	1 3/8	1 1/4	1/16	0	7/8	7/16	3/16	11.9
2AK154H	15.25	15.00	14.66	3	1 1/2	1 3/8	1 1/4	1/16	0	7/8	7/16	3/16	13.3
2AK184H	18.25	18.00	17.66	3	1 1/2	1 3/8	1 1/4	1/16	0	7/8	7/16	3/16	16.8

STATICALLY BALANCED



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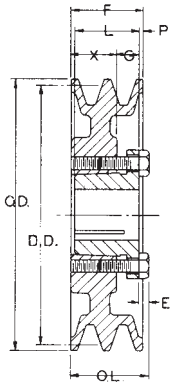

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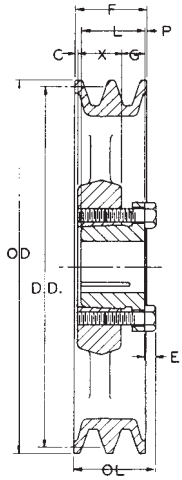


TYPE 3

CLAMP FIT ON SHAFT

Stock "H" Bushings

Table No. 2

Stock Bores	Keyseats
3/8"	None
7/16	None
1/2	1/8" x 1/16"
9/16	1/8 x 1/16
5/8	3/16 x 3/32
11/16	3/16 x 3/32
3/4	3/16 x 3/32
13/16	3/16 x 3/32
7/8	3/16 x 3/32
15/16	1/4 x 1/8
1	1/4 x 1/8
1 1/16	1/4 x 1/8
1 1/8	1/4 x 1/8
1 3/16	1/4 x 1/8
1 1/4	1/4 x 1/16*
1 5/16	5/16 x 1/16*
1 3/8	5/16 x 1/16*
1 3/8	3/8 x 1/16*
1 7/16	3/8 x 1/16*
1 1/2	3/8 x 1/16*
Millimeter Bores	
10 mm	None
11	None
12	None
14	5 mm x 2.5 mm
16	5 x 2.5
18	6 x 3
19	6 x 3
20	6 x 3
22	6 x 3
24	8 x 3.5
25	8 x 3.5
28	8 x 3.5
30	8 x 3.5
32	10 x 4
35	10 x 4
36	10 x 4
38	10 x 4
Stock Spline Bores	
.978 - 10 Inv.	X
1 1/8 - 6B	X
1 3/8 - 6B	X
1 3/8 - 21 Inv.	X

Part Numbers are specified by "H" and bore size, Example: "H — 1 1/8"
***These sizes are furnished with special keys to fit standard depth keyseats.**

CLOSE GRAIN CAST IRON

Single Groove Sheaves

COMBINATION GROOVE
FOR "4L" or "A" Belts and "5L" or "B" Belts
Stock Sizes — Finished Bore

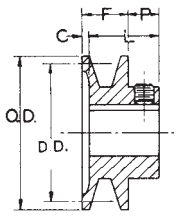
Table No. 1

Part No.	DIAMETERS Outside	Datum "A"	Datum "B"	Type	STOCK BORES MARKED "X" 1/2"	5/8"	3/4"	7/8"	15/16"	1"	1 1/8"	1 3/16"	1 1/4"	1 3/8"	1 7/16"	DIMENSIONS F	L	P	C	Wt. Lbs
▲BK24	2.40"	1.80"	2.20"	1	x	x	x	—	—	—	—	—	—	—	—	13/16"	1 1/16"	13/32"	5/32"	.4
▲BK25	2.50	1.90	2.30	1	x	x	x	x	—	—	—	—	—	—	—	13/16	1 1/16	13/32	5/32	.5
▲BK26	2.60	2.00	2.40	1	x	x	x	x	—	—	—	—	—	—	—	13/16	1 1/16	13/32	5/32	.6
▲BK27	2.70	2.10	2.50	2	x	x	x	x	—	—	—	—	—	—	—	13/16	1 1/16	13/32	5/32	.6
▲BK28	2.95	2.20	2.60	2	x	x	x	x	—	—	—	—	—	—	—	13/16	1 1/16	13/32	5/32	.8
▲BK30	3.15	2.40	2.80	2	x	x	x	x	—	—	—	—	—	—	—	13/16	1 1/16	13/32	5/32	.8
▲BK32	3.35	2.60	3.00	2	x	x	x	x	—	—	—	—	—	—	—	13/16	1 1/16	13/32	5/32	.8
BK34	3.55	2.80	3.20	2	x	x	x	x	—	x	x	—	—	—	—	7/8	1 5/32	13/32	1/8	1.3
BK36	3.75	3.00	3.40	2	x	x	x	x	—	x	x	—	—	—	—	7/8	1 5/32	13/32	1/8	1.5
BK40	3.95	3.20	3.60	2	x	x	x	x	—	x	x	—	—	—	—	7/8	1 5/32	13/32	1/8	1.5
BK45	4.25	3.50	3.90	2	x	x	x	x	—	x	x	—	—	—	—	7/8	1 5/32	13/32	1/8	1.8
BK47	4.45	3.70	4.10	2	x	x	x	x	—	x	x	—	—	—	—	7/8	1 5/32	13/32	1/8	1.9
BK50	4.75	4.00	4.40	3	x	x	x	x	x	x	x	—	—	—	—	7/8	1 5/32	13/32	1/8	2.0
BK52	4.95	4.20	4.60	3	x	x	x	x	—	x	x	—	—	—	—	7/8	1 5/32	13/32	1/8	2.0
BK55	5.25	4.50	4.90	3	x	x	x	x	—	x	x	x	—	—	—	7/8	1 5/32	13/32	1/8	2.2
BK57	5.45	4.70	5.10	3	—	x	x	x	x	x	x	—	—	—	—	7/8	1 5/32	13/32	1/8	2.3
BK60	5.75	5.00	5.40	3	x	x	x	x	—	x	x	x	—	—	—	7/8	1 5/32	13/32	1/8	2.3
BK62	5.95	5.20	5.60	3	x	x	x	x	x	x	x	x	—	—	—	7/8	1 5/32	13/32	1/8	2.4
BK65	6.25	5.50	5.90	3	—	x	x	—	—	x	x	—	—	—	—	7/8	1 5/32	13/32	1/8	2.7
BK67	6.45	5.70	6.10	3	—	x	x	—	—	x	x	—	—	—	—	7/8	1 5/32	13/32	1/8	2.8
BK70	6.75	6.00	6.40	3	—	x	x	—	x	x	x	x	—	—	x	7/8	1 15/32	21/32★	1/16★	3.3
BK72	6.95	6.20	6.60	3	—	—	x	—	—	x	x	—	—	x	x	7/8	1 15/32	21/32	1/16	3.9
BK75	7.25	6.50	6.90	3	—	—	x	—	—	x	x	—	—	—	x	7/8	1 15/32	21/32	1/16	3.9
BK77	7.45	6.70	7.10	3	—	—	x	—	—	x	x	—	—	x	x	7/8	1 15/32	21/32	1/16	4.1
BK80	7.75	7.00	7.40	3	—	x	x	x	—	x	x	x	x	x	x	7/8	1 15/32	21/32	1/16	4.4
BK85	8.25	7.50	7.90	3	—	—	x	—	—	x	x	—	—	x	x	7/8	1 15/32	21/32	1/16	5.0
BK90	8.75	8.00	8.40	3	—	—	x	x	x	x	x	x	—	x	x	7/8	1 15/32	21/32	1/16	5.0
BK95	9.25	8.50	8.90	3	—	—	x	—	—	x	x	—	—	x	x	7/8	1 15/32	21/32	1/16	5.4
BK100	9.75	9.00	9.40	3	—	—	x	x	—	x	x	x	x	x	x	7/8	1 15/32	21/32	1/16	5.6
BK105	10.25	9.50	9.90	3	—	—	—	—	—	x	—	—	—	x	x	7/8	1 15/32	21/32	1/16	5.8
BK110	10.75	10.00	10.40	3	—	—	x	—	—	x	x	x	—	x	x	7/8	1 15/32	21/32	1/16	6.4
BK115	11.25	10.50	10.90	3	—	—	—	—	—	x	—	—	—	x	x	7/8	1 15/32	21/32	1/16	6.9
BK120	11.75	11.00	11.40	3	—	—	x	—	—	x	—	x	—	x	x	7/8	1 15/32	21/32	1/16	7.4
BK130	12.75	12.00	12.40	3	—	—	x	—	—	x	x	x	—	—	x	7/8	1 15/32	21/32	1/16	8.4
BK140	13.75	13.00	13.40	3	—	—	x	—	—	x	—	x	—	—	x	7/8	1 15/32	21/32	1/16	9.4
BK160	15.75	15.00	15.40	3	—	—	—	—	—	x	x	x	x	—	x	7/8	1 15/32	21/32	1/16	11.4
BK190	18.75	18.00	18.40	3	—	—	—	—	—	x	—	x	x	—	x	7/8	1 15/32	21/32	1/16	13.4

For bores not usually encountered, use FHP Bushings shown on Page A-6.

★ **P** = 13/32" and C = 1/8" for 1" Bores and Smaller.

▲ **NOTE - DO NOT USE THESE "BK" SHEAVES WITH "B" GRIPNOTCH BELT RATINGS.**



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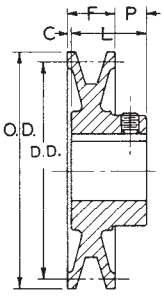

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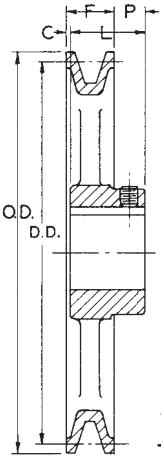


TYPE 3

◆ ◆

HOLLOW HEAD SETSCREW

◆ ◆

STATICALLY BALANCED

◆ ◆

Standard Keyseats

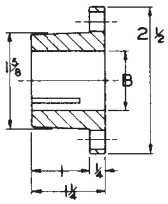
Table No. 2

Bore Range	Keyseat
1/2"	None
5/8 to 7/8	3/16" x 3/32"
15/16 to 1 1/4	1/4 x 1/8
1 7/16	3/8 x 3/16

Single Groove Sheaves

COMBINATION GROOVE

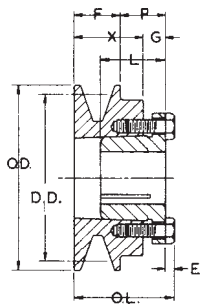
FOR "4L" or "A" Belts and "5L" or "B" Belts



Stock Sizes — with Split Taper Bushings

Table No. 1

Part No.	DIAMETERS O.D.	Datum "A"	Datum "B"	Type	DIMENSIONS O.L.	F	L	P	C	X	G	E	Wt. Lbs. Less Bush.
BK30H	3.15"	2.40"	2.80"	1	1 15/16"	7/8"	1 1/4"	7/8"	—	1 5/16"	7/16"	3/16"	1.2
BK32H	3.35	2.60	3.00	1	1 15/16	7/8	1 1/4	7/8	—	1 5/16	7/16	3/16	1.4
BK34H	3.55	2.80	3.20	1	1 15/16	7/8	1 1/4	7/8	—	1 5/16	7/16	3/16	1.6
BK36H	3.75	3.00	3.40	2	1 1/2	7/8	1 1/4	7/16	—	7/8	7/16	3/16	1.2
BK40H	3.95	3.20	3.60	2	1 1/2	7/8	1 1/4	7/16	—	7/8	7/16	3/16	1.4
BK45H	4.25	3.50	3.90	2	1 1/2	7/8	1 1/4	7/16	—	7/8	7/16	3/16	1.8
BK47H	4.45	3.70	4.10	2	1 1/2	7/8	1 1/4	7/16	—	7/8	7/16	3/16	2.2
BK50H	4.75	4.00	4.40	2	1 1/2	7/8	1 1/4	7/16	—	7/8	7/16	3/16	2.0
BK52H	4.95	4.20	4.60	2	1 1/2	7/8	1 1/4	7/16	—	7/8	7/16	3/16	2.1
BK55H	5.25	4.50	4.90	2	1 1/2	7/8	1 1/4	7/16	—	7/8	7/16	3/16	2.7
BK57H	5.45	4.70	5.10	2	1 1/2	7/8	1 1/4	7/16	—	7/8	7/16	3/16	2.7
BK60H	5.75	5.00	5.40	2	1 1/2	7/8	1 1/4	7/16	—	7/8	7/16	3/16	2.5
BK62H	5.95	5.20	5.60	2	1 1/2	7/8	1 1/4	7/16	—	7/8	7/16	3/16	2.6
BK65H	6.25	5.50	5.90	2	1 1/2	7/8	1 1/4	7/16	—	7/8	7/16	3/16	2.8
BK67H	6.45	5.70	6.10	2	1 1/2	7/8	1 1/4	7/16	—	7/8	7/16	3/16	2.9
BK70H	6.75	6.00	6.40	3	1 9/16	7/8	1 1/4	1/2	1/16"	7/8	7/16	3/16	2.8
BK72H	6.95	6.20	6.60	3	1 9/16	7/8	1 1/4	1/2	1/16	7/8	7/16	3/16	3.1
BK75H	7.25	6.50	6.90	3	1 9/16	7/8	1 1/4	1/2	1/16	7/8	7/16	3/16	3.3
BK77H	7.45	6.70	7.10	3	1 9/16	7/8	1 1/4	1/2	1/16	7/8	7/16	3/16	3.8
BK80H	7.75	7.00	7.40	3	1 9/16	7/8	1 1/4	1/2	1/16	7/8	7/16	3/16	3.4
BK85H	8.25	7.50	7.90	3	1 9/16	7/8	1 1/4	1/2	1/16	7/8	7/16	3/16	3.8
BK90H	8.75	8.00	8.40	3	1 9/16	7/8	1 1/4	1/2	1/16	7/8	7/16	3/16	4.3
BK95H	9.25	8.50	8.90	3	1 9/16	7/8	1 1/4	1/2	1/16	7/8	7/16	3/16	5.0
BK100H	9.75	9.00	9.40	3	1 9/16	7/8	1 1/4	1/2	1/16	7/8	7/16	3/16	5.2
BK105H	10.25	9.50	9.90	3	1 9/16	7/8	1 1/4	1/2	1/16	7/8	7/16	3/16	5.5
BK110H	10.75	10.00	10.40	3	1 9/16	7/8	1 1/4	1/2	1/16	7/8	7/16	3/16	6.0
BK115H	11.25	10.50	10.90	3	1 9/16	7/8	1 1/4	1/2	1/16	7/8	7/16	3/16	6.4
BK120H	11.75	11.00	11.40	3	1 9/16	7/8	1 1/4	1/2	1/16	7/8	7/16	3/16	6.9
BK130H	12.57	12.00	12.40	3	1 9/16	7/8	1 1/4	1/2	1/16	7/8	7/16	3/16	6.9
BK140H	13.75	13.00	13.40	3	1 9/16	7/8	1 1/4	1/2	1/16	7/8	7/16	3/16	8.5
BK150H	14.75	14.00	14.40	3	1 9/16	7/8	1 1/4	1/2	1/16	7/8	7/16	3/16	9.5
BK160H	15.75	15.00	15.40	3	1 9/16	7/8	1 1/4	1/2	1/16	7/8	7/16	3/16	9.8
BK190H	18.75	18.00	18.40	3	1 9/16	7/8	1 1/4	1/2	1/16	7/8	7/16	3/16	12.8



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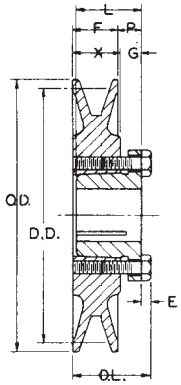

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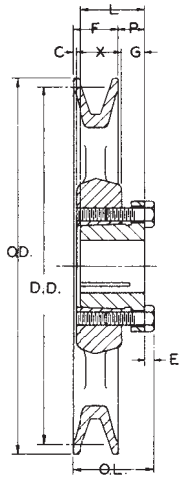


TYPE 3

EASY TO MOUNT

CLAMP FIT ON SHAFT

EASY TO REMOVE

Stock "H" Bushings

Table No. 2

Stock Bores	Keyseats
3/8"	None
7/16	None
1/2	1/8 x 1/16"
9/16	1/8 x 1/16
5/8	3/16 x 3/32
11/16	3/16 x 3/32
3/4	3/16 x 3/32
13/16	3/16 x 3/32
7/8	3/16 x 3/32
15/16	1/4 x 1/8
1	1/4 x 1/8
1 1/16	1/4 x 1/8
1 1/8	1/4 x 1/8
1 3/16	1/4 x 1/8
1 1/4	1/4 x 1/16*
1 5/16	5/16 x 1/16*
1 3/8	5/16 x 1/16*
1 3/8	3/8 x 1/16*
1 7/16	3/8 x 1/16*
1 1/2	3/8 x 1/16*

Millimeter Bores

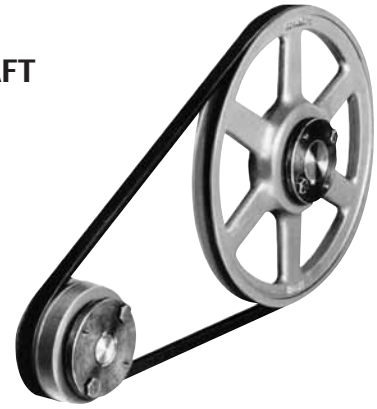
10 mm	None
11	None
12	None
14	5 mm x 2.5 mm
16	5 x 2.5
18	6 x 3
19	6 x 3
20	6 x 3
22	6 x 3
24	8 x 3.5
25	8 x 3.5
28	8 x 3.5
30	8 x 3.5
32	10 x 4
35	10 x 4
36	10 x 4
38	10 x 4

Stock Spline Bores

.978 - 10 Inv.	X
1 1/8 - 6B	X
1 3/8 - 6B	X
1 3/8 - 21 Inv.	X

Part Numbers are specified by "H" and bore size, Example: "H — 1 1/8"

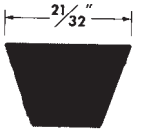
***These sizes are furnished with special keys to fit standard depth keyseats.**



Two Groove Sheaves

COMBINATION GROOVE

FOR "4L" or "A" Belts and "5L" or "B" Belts



A

Table No. 1

Stock Sizes — Finished Bore

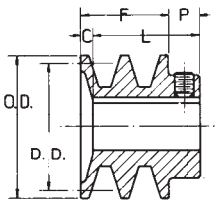
Part No.	DIAMETERS			Type	STOCK BORES MARKED "X"									DIMENSIONS				Wt. Lbs.
	Outside	Datum "A"	Datum "B"		1/2"	5/8"	3/4"	7/8"	1"	1 1/8"	1 3/16"	1 3/8"	1 7/16"	F	L	P	C	
2BK25	2.50"	1.90"	2.30"	1	x	x	x	x	—	—	—	—	—	1 3/4"	1 31/32"	15/32"	1/4"	1.3
2BK27	2.70	2.10	2.50	1	x	x	x	x	x	—	—	—	—	1 3/4	1 31/32	15/32	1/4	1.6
2BK28	2.95	2.20	2.60	1	x	x	x	x	x	x	—	—	—	1 3/4	1 31/32	15/32	1/4	1.9
2BK30	3.15	2.40	2.80	1	x	x	x	x	x	x	—	—	—	1 3/4	1 31/32	15/32	1/4	2.3
2BK32	3.35	2.60	3.00	1	—	x	—	x	x	x	—	—	—	1 3/4	1 31/32	15/32	1/4	2.6
2BK34	3.55	2.80	3.20	1	—	x	x	x	x	x	—	—	—	1 3/4	1 31/32	15/32	1/4	2.8
2BK36	3.75	3.00	3.40	1	—	—	x	x	x	x	—	x	—	1 3/4	1 31/32	15/32	1/4	3.3
2BK40	3.95	3.20	3.60	2	—	x	x	x	x	x	—	—	—	1 3/4	1 15/32	15/32	3/4	3.3
2BK45	4.25	3.50	3.90	2	—	—	—	—	x	x	—	x	—	1 3/4	1 15/32	15/32	3/4	3.3
2BK47	4.45	3.70	4.10	2	—	—	—	x	x	x	—	x	—	1 3/4	1 15/32	15/32	3/4	3.7
2BK50	4.75	4.00	4.40	2	—	—	x	—	x	x	—	x	—	1 3/4	1 15/32	15/32	3/4	4.1
2BK52	4.95	4.20	4.60	2	—	—	—	x	x	x	—	x	—	1 3/4	1 15/32	15/32	3/4	4.5
2BK55	5.25	4.50	4.90	2	—	—	—	—	—	x	—	x	—	1 3/4	1 15/32	15/32	3/4	4.5
2BK57	5.45	4.70	5.10	2	—	—	—	—	x	x	—	x	—	1 3/4	1 15/32	15/32	3/4	5.1
2BK60	5.75	5.00	5.40	3	—	—	x	x	x	x	—	x	—	1 3/4	1 15/32	15/32	3/4	4.9
2BK62	5.95	5.20	5.60	3	—	—	—	—	x	x	—	x	—	1 3/4	1 15/32	15/32	3/4	4.8
2BK65	6.25	5.50	5.90	3	—	—	—	—	x	x	—	x	—	1 3/4	1 15/32	15/32	3/4	5.0
2BK67	6.45	5.70	6.10	3	—	—	—	—	x	x	—	x	—	1 3/4	1 15/32	15/32	3/4	5.0
2BK70	6.75	6.00	6.40	3	—	—	x	—	x	x	x	x	x	1 3/4	1 19/32	11/32	1/2	6.6
2BK80	7.75	7.00	7.40	3	—	—	x	—	x	x	x	x	x	1 3/4	1 19/32	11/32	1/2	7.2
2BK90	8.75	8.00	8.40	3	—	—	x	—	x	x	x	x	x	1 3/4	1 19/32	11/32	1/2	8.4
2BK100	9.75	9.00	9.40	3	—	—	x	—	x	—	x	x	x	1 3/4	1 19/32	11/32	1/2	9.4
2BK110	10.75	10.00	10.40	3	—	—	—	—	x	—	x	—	x	1 3/4	1 19/32	11/32	1/2	10.4
2BK120	11.75	11.00	11.40	3	—	—	—	—	x	—	x	—	x	1 3/4	1 19/32	11/32	1/2	11.8
2BK130	12.75	12.00	12.40	3	—	—	—	—	x	—	x	—	x	1 3/4	1 19/32	11/32	1/2	14.9
2BK140	13.75	13.00	13.40	3	—	—	—	—	x	—	x	—	x	1 3/4	1 19/32	11/32	1/2	16.3
2BK160	15.75	15.00	15.40	3	—	—	—	—	x	—	x	—	x	1 3/4	1 19/32	11/32	1/2	18.0
2BK190	18.75	18.00	18.40	3	—	—	—	—	—	—	x	—	x	1 3/4	1 19/32	11/32	1/2	23.3

STANDARD KEYSEATS

Table No. 2

Bore Range	Keyseat
1/2"	None
5/8" to 7/8"	3/16" x 3/32"
15/16 to 1 3/16	1/4 x 1/8
1 3/8	5/16 x 5/32
1 7/16	3/8 x 3/16

INDIVIDUALLY PACKAGED
HOLLOW HEAD SETSCREWS
PAINTED



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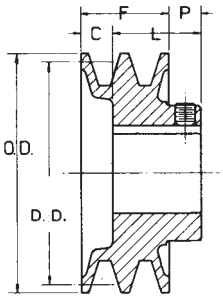

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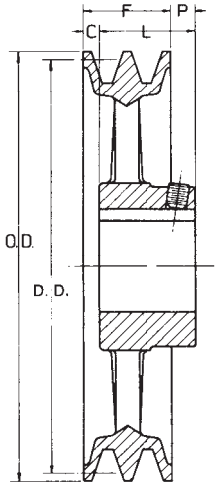


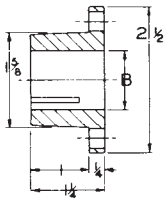
TYPE 3

◆
Ideal for Original Equipment
◆
Accurately Machined and Statically Balanced
◆

Two Groove Sheaves

COMBINATION GROOVE

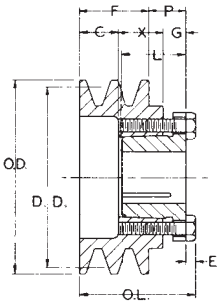
FOR "4L" or "A" Belts and "5L" or "B" Belts



Stock Sizes — with Split Taper Bushings

Table No. 1

Part No.	DIAMETERS O.D.	Datum "A"	Datum "B"	Type	DIMENSIONS O.L.	F	L	P	C	X	G	E	Wt. Lbs. Less Bush.
2BK32H	3.35"	2.60"	3.00"	1	2 13/16"	1 3/4"	1 1/4"	7/8"	1 5/16"	7/8"	7/16"	3/16"	2.1
2BK34H	3.55	2.80	3.20	1	2 13/16	1 3/4	1 1/4	7/8	1 5/16	7/8	7/16	3/16	2.4
2BK36H	3.75	3.00	3.40	1	2 3/8	1 3/4	1 1/4	7/16	7/8	7/8	7/16	3/16	2.0
2BK40H	3.95	3.20	3.60	1	2 3/8	1 3/4	1 1/4	7/16	7/8	7/8	7/16	3/16	2.4
2BK45H	4.25	3.50	3.90	1	2 3/8	1 3/4	1 1/4	7/16	7/8	7/8	7/16	3/16	3.0
2BK47H	4.45	3.70	4.10	2	1 3/4	1 3/4	1 1/4	7/16	—	7/8	7/16	3/16	2.8
2BK50H	4.75	4.00	4.40	2	1 3/4	1 3/4	1 1/4	7/16	—	7/8	7/16	3/16	3.3
2BK52H	4.95	4.20	4.60	2	1 3/4	1 3/4	1 1/4	7/16	—	7/8	7/16	3/16	3.6
2BK55H	5.25	4.50	4.90	2	1 3/4	1 3/4	1 1/4	7/16	—	7/8	7/16	3/16	3.9
2BK57H	5.45	4.70	5.10	2	1 3/4	1 3/4	1 1/4	7/16	—	7/8	7/16	3/16	4.3
2BK60H	5.75	5.00	5.40	2	1 3/4	1 3/4	1 1/4	7/16	—	7/8	7/16	3/16	4.4
2BK62H	5.95	5.20	5.60	2	1 3/4	1 3/4	1 1/4	7/16	—	7/8	7/16	3/16	4.5
2BK65H	6.25	5.50	5.90	3	1 3/4	1 3/4	1 1/4	7/16	1/4	7/8	7/16	3/16	4.5
2BK67H	6.45	5.70	6.10	3	1 3/4	1 3/4	1 1/4	7/16	1/4	7/8	7/16	3/16	5.0
2BK70H	6.75	6.00	6.40	3	1 3/4	1 3/4	1 1/4	7/16	1/4	7/8	7/16	3/16	5.1
2BK80H	7.75	7.00	7.40	3	1 3/4	1 3/4	1 1/4	7/16	1/4	7/8	7/16	3/16	6.4
2BK90H	8.75	8.00	8.40	3	1 3/4	1 3/4	1 1/4	7/16	1/4	7/8	7/16	3/16	7.6
2BK100H	9.75	9.00	9.40	3	1 3/4	1 3/4	1 1/4	7/16	1/4	7/8	7/16	3/16	8.4
2BK110H	10.75	10.00	10.40	3	1 3/4	1 3/4	1 1/4	7/16	1/4	7/8	7/16	3/16	9.3
2BK120H	11.75	11.00	11.40	3	1 3/4	1 3/4	1 1/4	7/16	1/4	7/8	7/16	3/16	11.0
2BK130H	12.75	12.00	12.40	3	1 3/4	1 3/4	1 1/4	7/16	1/4	7/8	7/16	3/16	13.1
2BK140H	13.75	13.00	13.40	3	1 3/4	1 3/4	1 1/4	7/16	1/4	7/8	7/16	3/16	14.8
2BK160H	15.75	15.00	15.40	3	1 3/4	1 3/4	1 1/4	7/16	1/4	7/8	7/16	3/16	17.5
2BK190H	18.75	18.00	18.40	3	1 3/4	1 3/4	1 1/4	7/16	1/4	7/8	7/16	3/16	21.5



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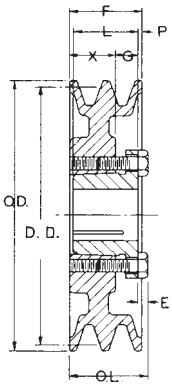

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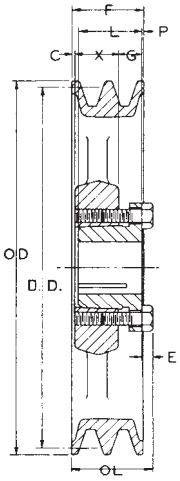


TYPE 3

Stock "H" Bushings

Table No. 2

Stock Bores	Keyseats
3/8"	None
7/16	None
1/2	1/8" x 1/16"
9/16	1/8 x 1/16
5/8	3/16 x 3/32
11/16	3/16 x 3/32
3/4	3/16 x 3/32
13/16	3/16 x 3/32
7/8	3/16 x 3/32
15/16	1/4 x 1/8
1	1/4 x 1/8
1 1/16	1/4 x 1/8
1 1/8	1/4 x 1/8
1 3/16	1/4 x 1/8
1 1/4	1/4 x 1/16*
1 5/16	5/16 x 1/16*
1 3/8	5/16 x 1/16*
1 3/8	3/8 x 1/16*
1 7/16	3/8 x 1/16*
1 1/2	3/8 x 1/16*

Millimeter Bores

10 mm	None
11	None
12	None
14	5 mm x 2.5 mm
16	5 x 2.5
18	6 x 3
19	6 x 3
20	6 x 3
22	6 x 3
24	8 x 3.5
25	8 x 3.5
28	8 x 3.5
30	8 x 3.5
32	10 x 4
35	10 x 4
36	10 x 4
38	10 x 4

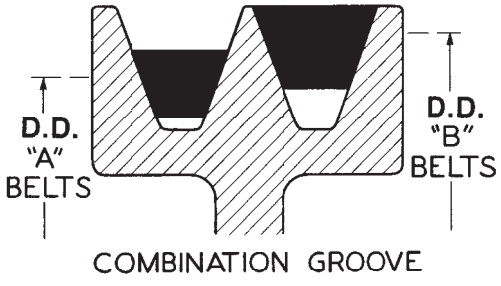
Stock Spline Bores

.978 - 10 Inv.	x
1 1/8 - 6B	x
1 3/8 - 6B	x
1 3/8 - 21 Inv.	x

Part Numbers are specified by "H" and bore size. Example: "H — 1 1//8"

***These sizes are furnished with special keys to fit standard depth keyseats.**

CLAMP FIT ON SHAFT



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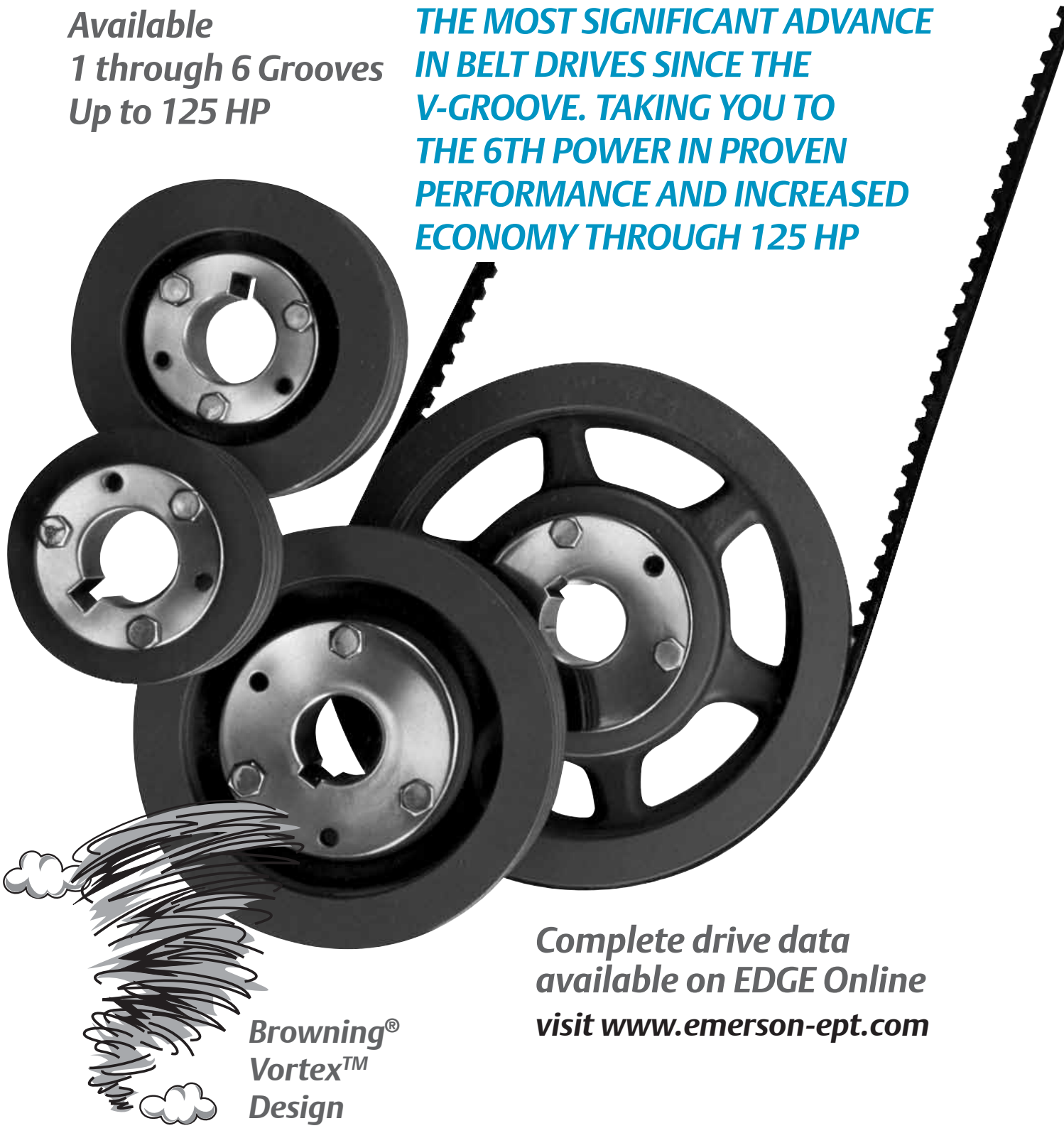
Available
1 through 6 Grooves
Up to 125 HP

THE MOST SIGNIFICANT ADVANCE IN BELT DRIVES SINCE THE V-GROOVE. TAKING YOU TO THE 6TH POWER IN PROVEN PERFORMANCE AND INCREASED ECONOMY THROUGH 125 HP



Browning® Vortex™ Design

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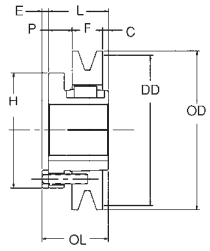
Table No. 1

Bushing Specifications

Part No.	Bore Range		Dimensions								Wt (Lbs.)
	Type 1	Type 2	M	L	G	E	T	U	D	H	
P1	1/2 - 1 7/16	1 1/2 - 1 3/4	2 3/16	1 15/16	5/8	1/4	1 17/32	13/32	1 15/16	3	1.3
B	1/2 - 1 15/16	2 - 2 7/16	2 3/16	1 15/16	3/4	1/4	1 7/16	1/2	2 5/8	3 11/16	1.8



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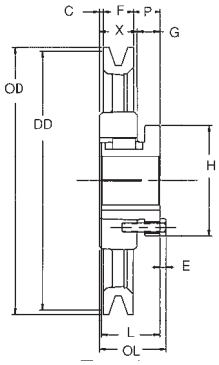

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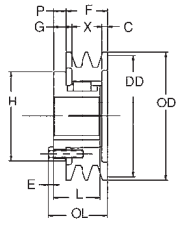

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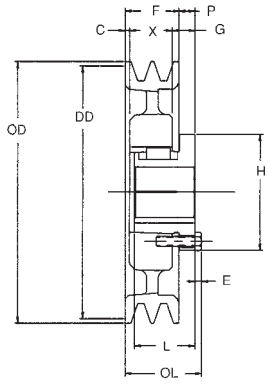
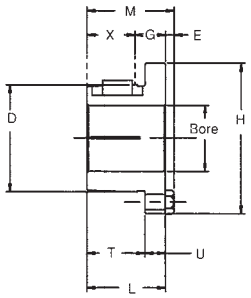
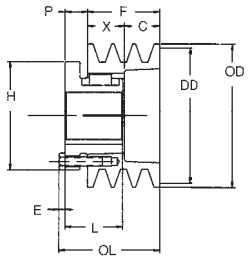


Type 4





Type 5

Table No. 2

Specifications — Stock "B5V®" Sheaves

DIAMETERS				Part Number		Type	Dimensions (Inches)				
Datum "A" Belts	Datum "B" Belts	Pitch "5V" Belts	Outside	Sheave	Bushing		OL	P	C	X	Wt. (Lbs) Less Bush.
1 GROOVE, F = 1											
3.8	4.2	4.3	4.48	**1B5V42**	**P1**	1-Solid	2 3/16	5/8	5/16	1	2.5
4.0	4.4	4.5	4.68	**1B5V44**	**P1**	1-Solid	2 3/16	5/8	5/16	1	2.8
4.2	4.6	4.7	4.88	**1B5V46**	**B**	1-Solid	2 3/16	3/4	3/16	1	2.5
4.4	4.8	4.9	5.08	**1B5V48**	**B**	1-Solid	2 3/16	3/4	3/16	1	2.9
4.6	5.0	5.1	5.28	**1B5V50**	**B**	1-Solid	2 3/16	3/4	3/16	1	3.3
4.8	5.2	5.3	5.48	**1B5V52**	**B**	1-Solid	2 3/16	3/4	3/16	1	3.7
5.0	5.4	5.5	5.68	**1B5V54**	**B**	1-Solid	2 3/16	3/4	3/16	1	4.1
5.2	5.6	5.7	5.88	**1B5V56**	**B**	1-Solid	2 3/16	3/4	3/16	1	4.5
5.4	5.8	5.9	6.08	**1B5V58**	**B**	1-Solid	2 3/16	3/4	3/16	1	5.0
5.6	6.0	6.1	6.28	**1B5V60**	**B**	1-Solid	2 3/16	3/4	3/16	1	5.4
5.8	6.2	6.3	6.48	**1B5V62**	**B**	1-Web	2 3/16	3/4	3/16	1	5.3
6.0	6.4	6.5	6.68	**1B5V64**	**B**	1-Web	2 3/16	3/4	3/16	1	5.6
6.2	6.6	6.7	6.88	**1B5V66**	**B**	1-Web	2 3/16	3/4	3/16	1	6.0
6.4	6.8	6.9	7.08	**1B5V68**	**B**	1-Web	2 3/16	3/4	3/16	1	6.4
6.6	7.0	7.1	7.28	**1B5V70**	**B**	1-Web	2 3/16	3/4	3/16	1	6.8
7.0	7.4	7.5	7.68	**1B5V74**	**B**	1-Web	2 3/16	3/4	3/16	1	7.7
7.6	8.0	8.1	8.28	**1B5V80**	**B**	2-Arm	2 5/16	7/8	3/16	1 5/16	7.5
8.2	8.6	8.7	8.68	**1B5V86**	**B**	2-Arm	2 5/16	7/8	3/16	1 5/16	7.9
8.6	9.0	9.1	9.28	**1B5V90**	**B**	2-Arm	2 5/16	7/8	3/16	1 5/16	8.2
9.0	9.4	9.5	9.68	**1B5V94**	**B**	2-Arm	2 5/16	7/8	3/16	1 5/16	8.5
10.6	11.0	11.1	11.28	**1B5V110**	**B**	2-Arm	2 5/16	7/8	3/16	1 5/16	10.3
12.0	12.4	12.5	12.68	**1B5V124**	**B**	2-Arm	2 5/16	7/8	3/16	1 5/16	11.5
13.2	13.6	13.7	13.88	**1B5V136**	**B**	2-Arm	2 5/16	7/8	3/16	1 5/16	13.3
15.0	15.4	15.5	15.68	**1B5V154**	**B**	2-Arm	2 5/16	7/8	3/16	1 5/16	15.5
15.6	16.0	16.1	16.28	**1B5V160**	**B**	2-Arm	2 5/16	7/8	3/16	1 5/16	16.6
18.0	18.4	18.5	18.68	**1B5V184**	**B**	2-Arm	2 5/16	7/8	3/16	1 5/16	20.0
19.5	20.0	20.1	20.28	**1B5V200**	**B**	2-Arm	2 5/16	7/8	3/16	1 5/16	21.8
22.9	23.4	23.5	23.68	**1B5V234**	**B**	2-Arm	2 5/16	7/8	3/16	1 5/16	28.2
24.5	25.0	25.1	25.28	**1B5V250**	**B**	2-Arm	2 5/16	7/8	3/16	1 5/16	31.4
27.3	27.8	27.9	28.08	**1B5V278**	**B**	2-Arm	2 5/16	7/8	3/16	1 5/16	36.5
2 GROOVE, F = 1 23/32											
3.8	4.2	4.3	4.48	**2B5V42**	**P1**	5	2 19/32	5/8	13/32	1 5/16	3.7
4.0	4.4	4.5	4.68	**2B5V44**	**P1**	3	2 3/16	7/32	0	1 5/16	4.1
4.2	4.6	4.7	4.88	**2B5V46**	**B**	3	2 31/64	33/64	0	1 31/64	3.3
4.4	4.8	4.9	5.08	**2B5V48**	**B**	3	2 31/64	33/64	11/64	1 5/16	3.9
4.6	5.0	5.1	5.28	**2B5V50**	**B**	3	2 31/64	33/64	11/64	1 5/16	4.6
4.8	5.2	5.3	5.48	**2B5V52**	**B**	3	2 31/64	33/64	11/64	1 5/16	5.3
5.0	5.4	5.5	5.68	**2B5V54**	**B**	3	2 31/64	33/64	11/64	1 5/16	6.0
5.2	5.6	5.7	5.88	**2B5V56**	**B**	3	2 31/64	33/64	11/64	1 5/16	6.7
5.4	5.8	5.9	6.08	**2B5V58**	**B**	3	2 31/64	33/64	11/64	1 5/16	7.4
5.6	6.0	6.1	6.28	**2B5V60**	**B**	3	2 31/64	33/64	11/64	1 5/16	8.2
5.8	6.2	6.3	6.48	**2B5V62**	**B**	3	2 31/64	33/64	11/64	1 5/16	9.2
6.0	6.4	6.5	6.68	**2B5V64**	**B**	3	2 31/64	33/64	11/64	1 5/16	8.4
6.2	6.6	6.7	6.88	**2B5V66**	**B**	3	2 31/64	33/64	11/64	1 5/16	11.4

A

Table No. 3

Specifications — Stock "B5V®" Sheaves

DIAMETERS				Part Number		Type	Dimensions (Inches)				Wt. (Lbs) Less Bush.
Datum "A" Belts	Datum "B" Belts	Pitch "5V" Belts	Outside	Sheave	Bushing		OL	P	C	X	
2 GROOVE (Cont.), F = 1 23/32											
6.4	6.8	6.9	7.08	**2B5V68**	**B**	4-Web	2 31/64	33/64	11/64	1 5/16	10.2
6.6	7.0	7.1	7.28	**2B5V70**	**B**	4-Web	2 31/64	33/64	11/64	1 5/16	12.3
7.0	7.4	7.5	7.68	**2B5V74**	**B**	4-Web	2 31/64	33/64	11/64	1 5/16	14.2
7.6	8.0	8.1	8.28	**2B5V80**	**B**	4-Arm	2 31/64	33/64	11/64	1 5/16	11.3
8.2	8.6	8.7	8.88	**2B5V86**	**B**	4-Arm	2 31/64	33/64	11/64	1 5/16	10.6
8.6	9.0	9.1	9.28	**2B5V90**	**B**	4-Arm	2 31/64	33/64	11/64	1 5/16	11.1
9.0	9.4	9.5	9.68	**2B5V94**	**B**	4-Arm	2 31/64	33/64	11/64	1 5/16	11.6
10.6	11.0	11.1	11.28	**2B5V110**	**B**	4-Arm	2 31/64	33/64	11/64	1 5/16	14.4
12.0	12.4	12.5	12.68	**2B5V124**	**B**	4-Arm	2 31/64	33/64	11/64	1 5/16	17.1
13.2	13.6	13.7	13.88	**2B5V136**	**B**	4-Arm	2 31/64	33/64	11/64	1 5/16	19.3
15.0	15.4	15.5	15.68	**2B5V154**	**B**	4-Arm	2 31/64	33/64	11/64	1 5/16	23.2
15.6	16.0	16.1	16.28	**2B5V160**	**B**	4-Arm	2 31/64	33/64	11/64	1 5/16	24.2
18.0	18.4	18.5	18.68	**2B5V184**	**B**	4-Arm	2 31/64	33/64	11/64	1 5/16	33.2
19.5	20.0	20.1	20.28	**2B5V200**	**B**	4-Arm	2 31/64	33/64	11/64	1 5/16	34.8
22.9	23.4	23.5	23.68	**2B5V234**	**B**	4-Arm	2 31/64	33/64	11/64	1 5/16	37.9
24.5	25.0	25.1	25.28	**2B5V250**	**B**	4-Arm	2 31/64	33/64	11/64	1 5/16	47.0
27.3	27.8	27.9	28.08	**2B5V278**	**B**	4-Arm	2 31/64	33/64	11/64	1 5/16	55.9
3 GROOVE, F = 2 7/16											
3.8	4.2	4.3	4.48	**3B5V42**	**P1**	5	3 5/16	5/8	1 1/8	1 5/16	4.8
4.0	4.4	4.5	4.68	**3B5V44**	**P1**	3	2 23/32	1/32	17/32	1 5/16	5.2
4.2	4.6	4.7	4.88	**3B5V46**	**B**	5	3 7/16	3/4	1 3/16	1 1/4	4.9
4.4	4.8	4.9	5.08	**3B5V48**	**B**	5	3 7/16	3/4	1 3/16	1 1/4	5.5
4.6	5.0	5.1	5.28	**3B5V50**	**B**	5	3 7/16	3/4	1 3/16	1 1/4	6.1
4.8	5.2	5.3	5.48	**3B5V52**	**B**	5	3 7/16	3/4	1 3/16	1 1/4	6.7
5.0	5.4	5.5	5.68	**3B5V54**	**B**	3	2 27/32	5/32	19/32	1 1/4	7.4
5.2	5.6	5.7	5.88	**3B5V56**	**B**	3	2 27/32	5/32	17/32	1 5/16	8.4
5.4	5.8	5.9	6.08	**3B5V58**	**B**	3	2 27/32	5/32	17/32	1 5/16	9.5
5.6	6.0	6.1	6.28	**3B5V60**	**B**	3	2 27/32	5/32	17/32	1 5/16	10.6
5.8	6.2	6.3	6.48	**3B5V62**	**B**	3	2 27/32	5/32	17/32	1 5/16	9.8
6.0	6.4	6.5	6.68	**3B5V64**	**B**	3	2 27/32	5/32	17/32	1 5/16	10.5
6.2	6.6	6.7	6.88	**3B5V66**	**B**	3	2 27/32	5/32	17/32	1 5/16	10.4
6.4	6.8	6.9	7.08	**3B5V68**	**B**	4-Web	2 27/32	5/32	17/32	1 5/16	10.9
6.6	7.0	7.1	7.28	**3B5V70**	**B**	4-Web	2 27/32	5/32	17/32	1 5/16	11.5
7.0	7.4	7.5	7.68	**3B5V74**	**B**	4-Web	2 27/32	5/32	17/32	1 5/16	12.6
7.6	8.0	8.1	8.28	**3B5V80**	**B**	4-Arm	2 27/32	5/32	17/32	1 5/16	14.2
8.2	8.6	8.7	8.88	**3B5V86**	**B**	4-Arm	2 27/32	5/32	17/32	1 5/16	13.7
8.6	9.0	9.1	9.28	**3B5V90**	**B**	4-Arm	2 27/32	5/32	17/32	1 5/16	14.5
9.0	9.4	9.5	9.68	**3B5V94**	**B**	4-Arm	2 27/32	5/32	17/32	1 5/16	17.0
10.6	11.0	11.1	11.28	**3B5V110**	**B**	4-Arm	2 27/32	5/32	17/32	1 5/16	19.8
12.0	12.4	12.5	12.68	**3B5V124**	**B**	4-Arm	2 27/32	5/32	17/32	1 5/16	22.1
13.2	13.6	13.7	13.88	**3B5V136**	**B**	4-Arm	2 27/32	5/32	17/32	1 5/16	24.9
15.0	15.4	15.5	15.68	**3B5V154**	**B**	4-Arm	2 27/32	5/32	17/32	1 5/16	30.4
15.6	16.0	16.1	16.28	**3B5V160**	**B**	4-Arm	2 27/32	5/32	17/32	1 5/16	31.7
18.0	18.4	18.5	18.68	**3B5V184**	**B**	4-Arm	2 27/32	5/32	17/32	1 5/16	40.9
19.5	20.0	20.1	20.28	**3B5V200**	**B**	4-Arm	2 27/32	5/32	17/32	1 5/16	47.6
22.9	23.4	23.5	23.68	**3B5V234**	**B**	4-Arm	2 27/32	5/32	17/32	1 5/16	61.5
24.5	25.0	25.1	25.28	**3B5V250**	**B**	4-Arm	2 27/32	5/32	17/32	1 5/16	66.6
27.3	27.8	27.9	28.08	**3B5V278**	**B**	4-Arm	2 27/32	5/32	17/32	1 5/16	79.1
4 GROOVE, F = 3 5/32											
3.8	4.2	4.3	4.48	**4B5V42**	**P1**	5	4 1/32	5/8	1 27/32	1 5/16	5.9
4.0	4.4	4.5	4.68	**4B5V44**	**P1**	3	3 29/64	3/64	1 17/64	1 5/16	6.3
4.2	4.6	4.7	4.88	**4B5V46**	**B**	5	4 5/32	3/4	1 29/32	1 1/4	6.1
4.4	4.8	4.9	5.08	**4B5V48**	**B**	5	4 5/32	3/4	1 29/32	1 1/4	6.7
4.6	5.0	5.1	5.28	**4B5V50**	**B**	5	4 5/32	3/4	1 29/32	1 1/4	7.4
4.8	5.2	5.3	5.48	**4B5V52**	**B**	5	4 5/32	3/4	1 29/32	1 1/4	8.0
5.0	5.4	5.5	5.68	**4B5V54**	**B**	3	3 13/64	—	61/64	1 1/4	8.9
5.2	5.6	5.7	5.88	**4B5V56**	**B**	3	3 13/64	—	57/64	1 5/16	9.5
5.4	5.8	5.9	6.08	**4B5V58**	**B**	3	3 13/64	—	57/64	1 5/16	10.3
5.6	6.0	6.1	6.28	**4B5V60**	**B**	3	3 13/64	—	57/64	1 5/16	11.0
5.8	6.2	6.3	6.48	**4B5V62**	**B**	3	3 13/64	—	57/64	1 5/16	11.3
6.0	6.4	6.5	6.68	**4B5V64**	**B**	3	3 13/64	—	57/64	1 5/16	12.1
6.2	6.6	6.7	6.88	**4B5V66**	**B**	3	3 13/64	—	57/64	1 5/16	12.0
6.4	6.8	6.9	7.08	**4B5V68**	**B**	3	3 13/64	—	57/64	1 5/16	12.6
6.6	7.0	7.1	7.28	**4B5V70**	**B**	4-Web	3 13/64	—	57/64	1 5/16	13.2
7.0	7.4	7.5	7.68	**4B5V74**	**B**	4-Web	3 13/64	—	57/64	1 5/16	14.5
7.6	8.0	8.1	8.28	**4B5V80**	**B**	4-Arm	3 13/64	—	57/64	1 5/16	15.2
8.2	8.6	8.7	8.88	**4B5V86**	**B**	4-Arm	3 13/64	—	57/64	1 5/16	16.6
8.6	9.0	9.1	9.28	**4B5V90**	**B**	4-Arm	3 13/64	—	57/64	1 5/16	17.6
9.0	9.4	9.5	9.68	**4B5V94**	**B**	4-Arm	3 13/64	—	57/64	1 5/16	20.0
10.6	11.0	11.1	11.28	**4B5V110**	**B**	4-Arm	3 13/64	—	57/64	1 5/16	22.8
12.0	12.4	12.5	12.68	**4B5V124**	**B**	4-Arm	3 13/64	—	57/64	1 5/16	26.5
13.2	13.6	13.7	13.88	**4B5V136**	**B**	4-Arm	3 13/64	—	57/64	1 5/16	30.7
15.0	15.4	15.5	15.68	**4B5V154**	**B**	4-Arm	3 13/64	—	57/64	1 5/16	37.9
15.6	16.0	16.1	16.28	**4B5V160**	**B**	4-Arm	3 13/64	—	57/64	1 5/16	40.5
18.0	18.4	18.5	18.68	**4B5V184**	**B**	4-Arm	3 13/64	—	57/64	1 5/16	50.7
19.5	20.0	20.1	20.28	**4B5V200**	**B**	4-Arm	3 13/64	—	57/64	1 5/16	58.5
22.9	23.4	23.5	23.68	**4B5V234**	**B**	4-Arm	3 13/64	—	57/64	1 5/16	73.9
24.5	25.0	25.1	25.28	**4B5V250**	**B**	4-Arm	3 13/64	—	57/64	1 5/16	83.8
27.3	27.8	27.9	28.08	**4B5V278**	**B**	4-Arm	3 13/64	—	57/64	1 5/16	94.3

Table No. 1

Bushing Specifications

DIAMETERS				Part Number		Type	Dimensions (Inches)				Wt. (Lbs) Less Bushing
Datum "A" Belts	Datum "B" Belts	Pitch "5V" Belts	Outside	Sheave	Bushing		OL	P	C	X	
5 GROOVE, F = 3 7/8											
3.8	4.2	4.3	4.48	**5B5V42**	**P2**	5	4 3/4	5/8	1 9/16	2 5/16	7.83
4.0	4.4	4.5	4.68	**5B5V44**	**P2**	5	4 3/4	5/8	1 9/16	2 5/16	8.73
4.2	4.6	4.7	4.88	**5B5V46**	**P2**	5	4 3/4	5/8	1 9/16	2 5/16	9.46
4.4	4.8	4.9	5.08	**5B5V48**	**P2**	5	4 3/4	5/8	1 9/16	2 5/16	10.31
4.6	5.0	5.1	5.28	**5B5V50**	**Q1**	5	4 29/32	3/4	1 1/8	2 3/4	9.63
4.8	5.2	5.3	5.48	**5B5V52**	**Q1**	5	4 29/32	3/4	1 1/8	2 3/4	10.79
5.0	5.4	5.5	5.68	**5B5V54**	**Q1**	5	4 29/32	3/4	1 1/8	2 3/4	11.98
5.2	5.6	5.7	5.88	**5B5V56**	**Q1**	3	4 9/32	1/8	1 1/2	1 3/4	10.41
5.4	5.8	5.9	6.08	**5B5V58**	**Q1**	3	4 9/32	1/8	1 1/2	1 3/4	12.35
5.6	6.0	6.1	6.28	**5B5V60**	**Q1**	3	4 9/32	1/8	1 1/2	1 3/4	13.86
5.8	6.2	6.3	6.48	**5B5V62**	**Q1**	3	4 9/32	1/8	1 1/2	1 3/4	14.94
6.0	6.4	6.5	6.68	**5B5V64**	**Q1**	3	4 9/32	1/8	1 1/2	1 3/4	16.78
6.2	6.6	6.7	6.88	**5B5V66**	**Q1**	3	4 9/32	1/8	1 1/2	1 3/4	17.19
6.4	6.8	6.9	7.08	**5B5V68**	**Q1**	3	4 9/32	1/8	1 1/2	1 3/4	18.09
6.6	7.0	7.1	7.28	**5B5V70**	**Q1**	4-Web	4 1/4	3/32	15/32	2 3/4	21.05
7.0	7.4	7.5	7.68	**5B5V74**	**Q1**	4-Web	4 1/4	3/32	15/32	2 3/4	20.95
7.6	8.0	8.1	8.28	**5B5V80**	**R1**	4-Web	4 5/32	—	1	2	28.44
8.2	8.6	8.7	8.88	**5B5V86**	**R1**	4-Web	4 5/32	—	1	2	26.89
8.6	9.0	9.1	9.28	**5B5V90**	**R1**	4-Web	4 5/32	—	1	2	28.84
9.0	9.4	9.5	9.68	**5B5V94**	**R1**	4-Web	4 5/32	—	1	2	28.61
10.6	11.0	11.1	11.28	**5B5V110**	**R1**	6-Web	4 3/32	1/16	15/16	2	42.31
12.0	12.4	12.5	12.68	**5B5V124**	**R1**	6-Web	4 3/32	1/16	15/16	2	52.15
13.2	13.6	13.7	13.88	**5B5V136**	**R1**	6-Arm	4 3/32	1/16	15/16	2	45.12
15.0	15.4	15.5	15.68	**5B5V154**	**R1**	6-Arm	4 3/32	1/16	15/16	2	55.98
15.6	16.0	16.1	16.28	**5B5V160**	**R1**	6-Arm	4 3/32	1/16	15/16	2	60.19
18.0	18.4	18.5	18.68	**5B5V184**	**R1**	6-Arm	4 3/32	1/16	15/16	2	77.25
19.5	20.0	20.1	20.28	**5B5V200**	**R1**	6-Arm	4 3/32	1/16	15/16	2	91.21
24.5	25.0	25.1	25.28	**5B5V250**	**R1**	6-Arm	4 3/32	1/16	15/16	2	130.19
6 GROOVE, F = 4 19/32											
3.8	4.2	4.3	4.48	**6B5V42**	**P2**	5	5 15/32	5/8	2 9/32	2 5/16	8.97
4.0	4.4	4.5	4.68	**6B5V44**	**P2**	5	5 15/32	5/8	2 9/32	2 5/16	9.93
4.2	4.6	4.7	4.88	**6B5V46**	**P2**	5	5 15/32	5/8	2 9/32	2 5/16	10.64
4.4	4.8	4.9	5.08	**6B5V48**	**P2**	5	5 15/32	5/8	2 9/32	2 5/16	11.53
4.6	5.0	5.1	5.28	**6B5V50**	**Q2**	5	5 5/8	3/4	1 27/32	2 3/4	10.91
4.8	5.2	5.3	5.48	**6B5V52**	**Q2**	5	5 5/8	3/4	1 27/32	2 3/4	12.13
5.0	5.4	5.5	5.68	**6B5V54**	**Q2**	5	5 5/8	3/4	1 27/32	2 3/4	13.39
5.2	5.6	5.7	5.88	**6B5V56**	**Q2**	3	5 5/8	1/8	2 7/32	1 3/4	12.86
5.4	5.8	5.9	6.08	**6B5V58**	**Q1**	3	5 5/8	—	2 3/32	1 3/4	13.65
5.6	6.0	6.1	6.28	**6B5V60**	**Q1**	3	5 5/8	—	2 3/32	1 3/4	14.67
5.8	6.2	6.3	6.48	**6B5V62**	**Q1**	3	5 5/8	—	2 3/32	1 3/4	16.51
6.0	6.4	6.5	6.68	**6B5V64**	**Q1**	3	5 5/8	—	2 3/32	1 3/4	17.38
6.2	6.6	6.7	6.88	**6B5V66**	**Q1**	3	5 5/8	—	2 3/32	1 3/4	18.52
6.4	6.8	6.9	7.08	**6B5V68**	**Q1**	3	5 5/8	—	2 3/32	1 3/4	20.14
6.6	7.0	7.1	7.28	**6B5V70**	**Q2**	6-Web	4 39/64	17/64	53/64	2 3/4	23.01
7.0	7.4	7.5	7.68	**6B5V74**	**Q2**	6-Web	4 39/64	17/64	53/64	2 3/4	22.93
7.6	8.0	8.1	8.28	**6B5V80**	**R1**	6-Solid	4 19/32	23/64	1 23/64	2	32.55
8.2	8.6	8.7	8.88	**6B5V86**	**R1**	6-Web	4 19/32	23/64	1 23/64	2	29.63
8.6	9.0	9.1	9.28	**6B5V90**	**R1**	6-Web	4 19/32	23/64	1 23/64	2	30.67
9.0	9.4	9.5	9.68	**6B5V94**	**R1**	6-Web	4 19/32	19/64	1 27/64	2	31.35
10.6	11.0	11.1	11.28	**6B5V110**	**R1**	6-Web	4 19/32	27/64	1 19/64	2	45.69
12.0	12.4	12.5	12.68	**6B5V124**	**R1**	6-Web	4 19/32	27/64	1 19/64	2	52.23
13.2	13.6	13.7	13.88	**6B5V136**	**R1**	6-Arm	4 19/32	27/64	1 19/64	2	48.81
15.0	15.4	15.5	15.68	**6B5V154**	**R1**	6-Arm	4 19/32	27/64	1 19/64	2	60.36
15.6	16.0	16.1	16.28	**6B5V160**	**R1**	6-Arm	4 19/32	27/64	1 19/64	2	63.72
18.0	18.4	18.5	18.68	**6B5V184**	**R1**	6-Arm	4 19/32	27/64	1 19/64	2	82.89
19.5	20.0	20.1	20.28	**6B5V200**	**R1**	6-Arm	4 19/32	27/64	1 19/64	2	100.23
24.5	25.0	25.1	25.28	**6B5V250**	**R1**	6-Arm	4 19/32	27/64	1 19/64	2	140.18

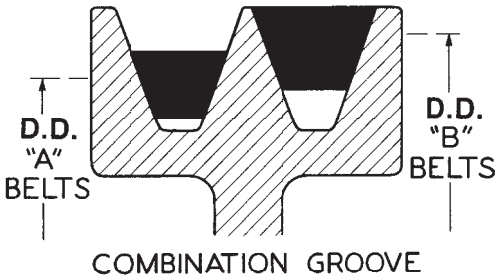
Mix and match with present drive components

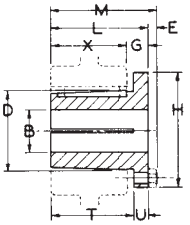
Using the new B5V does not make present V-drive components obsolete. In fact, a B5V sheave may be used at any time as the driver or the driven sheave in the same drive with a traditional A/B or 5V sheave, and of course use the same belts. Because B and 5V sheaves utilize different groove spacing, B5V sheaves are not designed for use with banded belts.

Call your Browning distributor for details.

A

For Use with All "A" and "B" Section Belts





Standard Keyseats

Table No. 1

Bore Range	Keyseat
1/2" - 9/16"	1/8" x 1/16"
5/8 - 7/8	3/16 x 3/32
15/16 - 1 1/4	1/4 x 1/8
1 5/16 - 1 3/8	5/16 x 5/32
1 7/16 - 1 3/4	3/8 x 3/16
1 13/16 - 2 1/4	1/2 x 1/4
2 5/16 - 2 11/16	5/8 x 5/16

1 3/8" Bore Bushings also available with 3/8" x 3/16" Keyseat

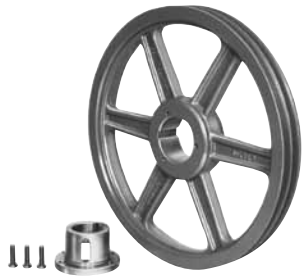
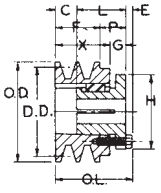


Table No. 2

Bushing Dimensions

Part No.	Dimensions									Bore Range	Wt. Lbs.
	M	L	G	X	E	T	U	D	H		
P1	2 3/16"	1 15/16"	5/8"	1 5/16"	1/4"	1 17/32"	13/32"	1 15/16"	3"	1/2" - 1 3/4"	1 1/4
P2	3 3/16	2 15/16	5/8	2 5/16	1/4"	2 17/32	13/32	1 15/16	3	3/4 - 1 3/4	1 1/2
Q1	2 25/32	2 1/2	3/4	1 3/4	9/32"	1 31/32	17/32	2 7/8	4 1/8	3/4 - 2 11/16	3 1/2



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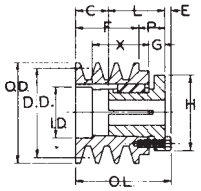

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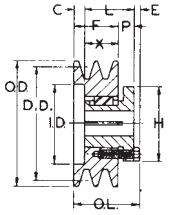

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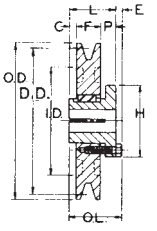

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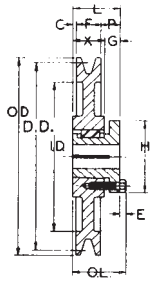

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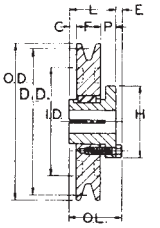


TYPE 16

Table No. 3

Specifications — Stock "TB" Sheaves

DIAMETERS				1 GROOVE, F = 1"											
Datum "A"	Datum "B"	Outside	Inside	Part Number		Type	Dimensions								Wt. Less Bush.
				Sheave	Bushing		O.L.	L	P	C	H	G	X	E	
3.0"	3.4"	3.75"	—	1TB34	P1	2	2 5/16"	1 15/16"	1 1/16"	1/8"	3"	5/8"	1 7/16"	1/4"	2.0
3.2	3.6	3.95	—	1TB36	P1	2	2 5/16	1 15/16	1 1/16	1/8	3	5/8"	1 7/16	1/4	2.3
3.4	3.8	4.15	—	1TB38	P1	2	2 5/16	1 15/16	1 1/16	1/8	3	5/8"	1 7/16	1/4	2.6
3.6	4.0	4.35	—	1TB40	P1	10-Sol.	2 3/16	1 15/16	5/8	5/16	3	—	—	1/4	2.1
3.8	4.2	4.55	—	1TB42	P1	10-Sol.	2 3/16	1 15/16	5/8	5/16	3	—	—	1/4	2.4
4.0	4.4	4.75	—	1TB44	P1	10-Sol.	2 3/16	1 15/16	5/8	5/16	3	—	—	1/4	2.8
4.2	4.6	4.95	—	1TB46	P1	10-Sol.	2 3/16	1 15/16	5/8	5/16	3	—	—	1/4	3.1
4.4	4.8	5.15	—	1TB48	P1	10-Sol.	2 3/16	1 15/16	5/8	5/16	3	—	—	1/4	3.5
4.6	5.0	5.35	—	1TB50	P1	10-Sol.	2 3/16	1 15/16	5/8	5/16	3	—	—	1/4	3.9
4.8	5.2	5.55	—	1TB52	P1	10-Sol.	2 3/16	1 15/16	5/8	5/16	3	—	—	1/4	4.1
5.0	5.4	5.75	—	1TB54	P1	10-Sol.	2 3/16	1 15/16	5/8	5/16	3	—	—	1/4	4.6
5.2	5.6	5.95	—	1TB56	P1	10-Sol.	2 3/16	1 15/16	5/8	5/16	3	—	—	1/4	5.1
5.4	5.8	6.15	—	1TB58	P1	10-Sol.	2 3/16	1 15/16	5/8	5/16	3	—	—	1/4	5.6
5.6	6.0	6.35	4 1/2"	1TB60	P1	10-Web	2 3/16	1 15/16	5/8	5/16	3	—	—	1/4	6.0
5.8	6.2	6.55	4 11/16"	1TB62	P1	10-Web	2 3/16	1 15/16	5/8	5/16	3	—	—	1/4	5.5
6.0	6.4	6.75	4 7/8	1TB64	P1	10-Web	2 3/16	1 15/16	5/8	5/16	3	—	—	1/4	5.8
6.2	6.6	6.95	5 1/16	1TB66	P1	10-Web	2 3/16	1 15/16	5/8	5/16	3	—	—	1/4	5.9
6.4	6.8	7.15	5 5/16	1TB68	P1	10-Web	2 3/16	1 15/16	5/8	5/16	3	—	—	1/4	6.1
6.6	7.0	7.35	5 1/2	1TB70	P1	16-Arm	2 3/16	1 15/16	25/32	5/32	3	5/8	1 5/16	1/4	6.4
7.0	7.4	7.75	5 15/16	1TB74	P1	16-Arm	2 3/16	1 15/16	25/32	5/32	3	5/8	1 5/16	1/4	7.3
7.6	8.0	8.35	6 1/2	1TB80	P1	16-Arm	2 3/16	1 15/16	25/32	5/32	3	5/8	1 5/16	1/4	7.8
8.2	8.6	8.95	7 1/16	1TB86	P1	16-Arm	2 3/16	1 15/16	25/32	5/32	3	5/8	1 5/16	1/4	8.6
8.6	9.0	9.35	7 1/2	1TB90	P1	16-Arm	2 3/16	1 15/16	25/32	5/32	3	5/8	1 5/16	1/4	8.9
9.0	9.4	9.75	7 15/16	1TB94	P1	16-Arm	2 3/16	1 15/16	25/32	5/32	3	5/8	1 5/16	1/4	9.1
10.6	11.0	11.35	9 7/16	1TB110	P1	16-Arm	2 3/16	1 15/16	25/32	5/32	3	5/8	1 5/16	1/4	11.1
12.0	12.4	12.75	10 15/16	1TB124	Q1	16-Arm	2 25/32	2 1/2	1 1/8	3/8	4 1/8	3/4	1 3/4	9/32	17.8
13.2	13.6	13.95	12 1/16	1TB136	Q1	16-Arm	2 25/32	2 1/2	1 1/8	3/8	4 1/8	3/4	1 3/4	9/32	18.2
15.0	15.4	15.75	13 15/16	1TB154	Q1	16-Arm	2 25/32	2 1/2	1 1/8	3/8	4 1/8	3/4	1 3/4	9/32	20.3
15.6	16.0	16.35	14 1/2	1TB160	Q1	16-Arm	2 25/32	2 1/2	1 1/8	3/8	4 1/8	3/4	1 3/4	9/32	22.0
18.0	18.4	18.75	16 15/16	1TB184	Q1	16-Arm	2 25/32	2 1/2	1 1/8	3/8	4 1/8	3/4	1 3/4	9/32	27.5
19.5	20.0	20.35	18 1/2	1TB200	Q1	16-Arm	2 25/32	2 1/2	1 1/8	3/8	4 1/8	3/4	1 3/4	9/32	27.2
24.5	25.0	25.35	23 1/2	1TB250	Q1	16-Arm	2 25/32	2 1/2	1 1/8	3/8	4 1/8	3/4	1 3/4	9/32	42.4
29.5	30.0	30.35	28 1/2	1TB300	Q1	16-Arm	2 25/32	2 1/2	1 1/8	3/8	4 1/8	3/4	1 3/4	9/32	56.0
37.5	38.0	38.35	36 1/2	1TB380	Q1	16-Arm	2 25/32	2 1/2	1 1/8	3/8	4 1/8	3/4	1 3/4	9/32	78.0

For optimum sheave selection, see B5V Stock Sheave Listing on Page A-11.

For Use with All "A" and "B" Section Belts
Specifications — Stock "TB" Sheaves

Table No. 1

DIAMETERS				2 GROOVES, F = 1 3/4"											
Datum "A"	Datum "B"	Outside	Inside	Part Number		Type	Dimensions								Wt. Less Bush.
				Sheave	Bushing		OL	L	P	C	H	G	X	E	
3.0"	3.4"	3.75"	—	2TB34	P1	2	3 1/16"	1 15/16"	1 1/16"	7/8"	3"	5/8"	2 3/16"	1/4"	2.9
3.2	3.6	3.95	—	2TB36	P1	2	3 1/16	1 15/16	1 1/16	7/8	3	5/8	2 3/16	1/4	3.8
3.4	3.8	4.15	2 5/16"	2TB38	P1	5	2 5/8	1 15/16	5/8	7/16	3	—	1 5/16	1/4	3.0
3.6	4.0	4.35	2 1/2	2TB40	P1	5	2 5/8	1 15/16	5/8	7/16	3	—	1 5/16	1/4	3.8
3.8	4.2	4.55	2 11/16	2TB42	P1	5	2 5/8	1 15/16	5/8	7/16	3	—	1 5/16	1/4	3.9
4.0	4.4	4.75	2 7/8	2TB44	P1	13-Sol.	2 3/16	1 15/16	3/16	0	3	5/8	1 5/16	1/4	3.9
4.2	4.6	4.95	3 1/16	2TB46	P1	13-Sol.	2 3/16	1 15/16	3/16	0	3	5/8	1 5/16	1/4	4.5
4.4	4.8	5.15	3 5/16	2TB48	P1	13-Sol.	2 3/16	1 15/16	3/16	0	3	5/8	1 5/16	1/4	5.3
4.6	5.0	5.35	3 1/2	2TB50	P1	13-Sol.	2 3/16	1 15/16	3/16	0	3	5/8	1 5/16	1/4	5.6
4.8	5.2	5.55	3 11/16	2TB52	P1	13-Sol.	2 3/16	1 15/16	3/16	0	3	5/8	1 5/16	1/4	6.1
5.0	5.4	5.75	3 7/8	2TB54	P1	13-Sol.	2 3/16	1 15/16	3/16	0	3	5/8	1 5/16	1/4	6.5
5.2	5.6	5.95	4 1/16	2TB56	P1	13-Sol.	2 3/16	1 15/16	3/16	0	3	5/8	1 5/16	1/4	7.4
5.4	5.8	6.15	4 5/16	2TB58	P1	13-Sol.	2 3/16	1 15/16	3/16	0	3	5/8	1 5/16	1/4	8.0
5.6	6.0	6.35	4 1/2	2TB60	P1	13-Sol.	2 3/16	1 15/16	3/16	0	3	5/8	1 5/16	1/4	8.9
5.8	6.2	6.55	4 11/16	2TB62	P1	13-Web	2 3/16	1 15/16	3/16	0	3	5/8	1 5/16	1/4	7.6
6.0	6.4	6.75	4 7/8	2TB64	P1	13-Web	2 3/16	1 15/16	3/16	0	3	5/8	1 5/16	1/4	7.8
6.2	6.6	6.95	5 1/16	2TB66	P1	13-Web	2 3/16	1 15/16	3/16	0	3	5/8	1 5/16	1/4	8.3
6.4	6.8	7.15	5 5/16	2TB68	P1	13-Web	2 3/16	1 15/16	3/16	0	3	5/8	1 5/16	1/4	8.8
6.6	7.0	7.35	5 1/2	2TB70	Q1	13-Web	2 25/32	2 1/2	3/4	0	4 1/8	3/4	1 3/4	9/32	11.1
7.0	7.4	7.75	5 15/16	2TB74	Q1	13-Web	2 25/32	2 1/2	3/4	0	4 1/8	3/4	1 3/4	9/32	11.5
7.6	8.0	8.35	6 1/2	2TB80	Q1	13-Web	2 25/32	2 1/2	3/4	0	4 1/8	3/4	1 3/4	9/32	12.8
8.2	8.6	8.95	7 1/16	2TB86	Q1	13-Web	2 25/32	2 1/2	3/4	0	4 1/8	3/4	1 3/4	9/32	16.0
8.6	9.0	9.35	7 1/2	2TB90	Q1	13-Arm	2 25/32	2 1/2	3/4	0	4 1/8	3/4	1 3/4	9/32	15.1
9.0	9.4	9.75	7 15/16	2TB94	Q1	13-Arm	2 25/32	2 1/2	3/4	0	4 1/8	3/4	1 3/4	9/32	15.5
10.6	11.0	11.35	9 7/16	2TB110	Q1	13-Arm	2 25/32	2 1/2	3/4	0	4 1/8	3/4	1 3/4	9/32	18.9
12.0	12.4	12.75	10 15/16	2TB124	Q1	13-Arm	2 25/32	2 1/2	3/4	0	4 1/8	3/4	1 3/4	9/32	21.1
13.2	13.6	13.95	12 1/16	2TB136	Q1	13-Arm	2 25/32	2 1/2	3/4	0	4 1/8	3/4	1 3/4	9/32	23.0
15.0	15.4	15.75	13 15/16	2TB154	Q1	13-Arm	2 25/32	2 1/2	3/4	0	4 1/8	3/4	1 3/4	9/32	24.8
15.6	16.0	16.35	14 1/2	2TB160	Q1	13-Arm	2 25/32	2 1/2	3/4	0	4 1/8	3/4	1 3/4	9/32	27.0
18.0	18.4	18.75	16 15/16	2TB184	Q1	13-Arm	2 25/32	2 1/2	3/4	0	4 1/8	3/4	1 3/4	9/32	32.3
19.5	20.0	20.35	18 1/2	2TB200	Q1	13-Arm	2 25/32	2 1/2	3/4	0	4 1/8	3/4	1 3/4	9/32	42.3
24.5	25.0	25.35	23 1/2	2TB250	Q1	13-Arm	2 25/32	2 1/2	3/4	0	4 1/8	3/4	1 3/4	9/32	50.3
29.5	30.0	30.35	28 1/2	2TB300	Q1	13-Arm	2 25/32	2 1/2	3/4	0	4 1/8	3/4	1 3/4	9/32	68.8
37.5	38.0	38.35	36 1/2	2TB380	Q1	13-Arm	2 25/32	2 1/2	3/4	0	4 1/8	3/4	1 3/4	9/32	95.5

For optimum sheave selection, see B5V Stock Sheave Listing on Page A-12

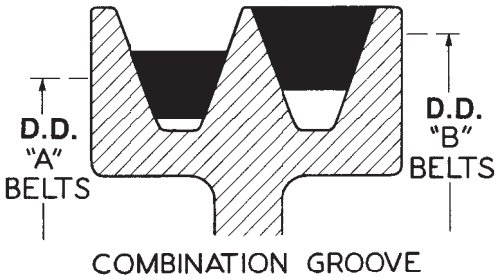
Table No. 2

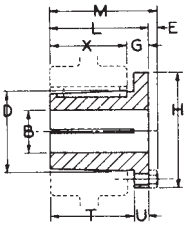
DIAMETERS				3 GROOVES, F = 2 1/2"											
Datum "A"	Datum "B"	Outside	Inside	Part Number		Type	Dimensions								Wt. Less Bush.
				Sheave	Bushing		OL	L	P	C	H	G	X	E	
3.0"	3.4"	3.75"	2"	3TB34	P2	3	3 13/16"	2 15/16"	1 1/16"	5/8"	3"	5/8"	2 5/16"	1/4"	3.8
3.2	3.6	3.95	2 1/16	3TB36	P2	3	3 13/16	2 15/16	1 1/16	5/8	3	5/8	2 5/16	1/4	4.4
3.4	3.8	4.15	2 5/16	3TB38	P1	5	3 3/8	1 15/16	5/8	1 3/16	3	—	1 5/16	1/4	3.8
3.6	4.0	4.35	2 1/2	3TB40	P1	5	3 3/8	1 15/16	5/8	1 3/16	3	—	1 5/16	1/4	4.5
3.8	4.2	4.55	211/16	3TB42	P1	5	3 3/8	1 15/16	5/8	1 3/16	3	—	1 5/16	1/4	4.9
4.0	4.4	4.75	2 7/8	3TB44	P1	13-Sol.	2 3/4	1 15/16	0	9/16	3	5/8	1 5/16	1/4	5.1
4.2	4.6	4.95	3 1/16	3TB46	P1	13-Web	2 3/4	1 15/16	0	9/16	3	5/8	1 5/16	1/4	6.0
4.4	4.8	5.15	3 5/16	3TB48	P1	13-Web	2 3/4	1 15/16	0	9/16	3	5/8	1 5/16	1/4	6.3
4.6	5.0	5.35	3 1/2	3TB50	P1	13-Web	2 3/4	1 15/16	0	9/16	3	5/8	1 5/16	1/4	6.9
4.8	5.2	5.55	3 11/16	3TB52	P1	13-Web	2 3/4	1 15/16	0	9/16	3	5/8	1 5/16	1/4	7.5
5.0	5.4	5.75	3 7/8	3TB54	P1	13-Web	2 3/4	1 15/16	0	9/16	3	5/8	1 5/16	1/4	8.3
5.2	5.6	5.95	4 1/16	3TB56	P1	13-Web	2 3/4	1 15/16	0	9/16	3	5/8	1 5/16	1/4	9.0
5.4	5.8	6.15	4 5/16	3TB58	P1	13-Web	2 3/4	1 15/16	0	9/16	3	5/8	1 5/16	1/4	9.6
5.6	6.0	6.35	4 1/2	3TB60	P1	13-Web	2 3/4	1 15/16	0	9/16	3	5/8	1 5/16	1/4	10.5
5.8	6.2	6.55	4 11/16	3TB62	P1	13-Web	2 3/4	1 15/16	0	9/16	3	5/8	1 5/16	1/4	9.4
6.0	6.4	6.75	4 7/8	3TB64	P1	13-Web	2 3/4	1 15/16	0	9/16	3	5/8	1 5/16	1/4	9.5
6.2	6.6	6.95	5 1/16	3TB66	P1	13-Web	2 3/4	1 15/16	0	9/16	3	5/8	1 5/16	1/4	10.0
6.4	6.8	7.15	5 5/16	3TB68	P1	13-Web	2 3/4	1 15/16	0	9/16	3	5/8	1 5/16	1/4	10.4
6.6	7.0	7.35	5 1/2	3TB70	Q1	13-Web	3 5/32	2 1/2	3/8	3/8	4 1/8	3/4	1 3/4	9/32	13.0
7.0	7.4	7.75	5 15/16	3TB74	Q1	13-Web	3 5/32	2 1/2	3/8	3/8	4 1/8	3/4	1 3/4	9/32	13.3
7.6	8.0	8.35	6 1/2	3TB80	Q1	13-Web	3 5/32	2 1/2	3/8	3/8	4 1/8	3/4	1 3/4	9/32	15.3
8.2	8.6	8.95	7 1/16	3TB86	Q1	13-Web	3 5/32	2 1/2	3/8	3/8	4 1/8	3/4	1 3/4	9/32	18.9
8.6	9.0	9.35	7 1/2	3TB90	Q1	13-Arm	3 5/32	2 1/2	3/8	3/8	4 1/8	3/4	1 3/4	9/32	18.1
9.0	9.4	9.75	7 15/16	3TB94	Q1	13-Arm	3 5/32	2 1/2	3/8	3/8	4 1/8	3/4	1 3/4	9/32	18.0
10.6	11.0	11.35	9 7/16	3TB110	Q1	13-Arm	3 5/32	2 1/2	3/8	3/8	4 1/8	3/4	1 3/4	9/32	21.3
12.0	12.4	12.75	10 15/16	3TB124	Q1	13-Arm	3 5/32	2 1/2	3/8	3/8	4 1/8	3/4	1 3/4	9/32	25.4
13.2	13.6	13.95	12 1/16	3TB136	Q1	13-Arm	3 5/32	2 1/2	3/8	3/8	4 1/8	3/4	1 3/4	9/32	27.4
15.0	15.4	15.75	13 15/16	3TB154	Q1	13-Arm	3 5/32	2 1/2	3/8	3/8	4 1/8	3/4	1 3/4	9/32	29.8
15.6	16.0	16.35	14 1/2	3TB160	Q1	13-Arm	3 5/32	2 1/2	3/8	3/8	4 1/8	3/4	1 3/4	9/32	32.0
18.0	18.4	18.75	16 15/16	3TB184	Q1	13-Arm	3 5/32	2 1/2	3/8	3/8	4 1/8	3/4	1 3/4	9/32	37.8
19.5	20.0	20.35	18 1/2	3TB200	Q1	13-Arm	3 5/32	2 1/2	3/8	3/8	4 1/8	3/4	1 3/4	9/32	49.9
24.5	25.0	25.35	23 1/2	3TB250	Q1	13-Arm	3 5/32	2 1/2	3/8	3/8	4 1/8	3/4	1 3/4	9/32	61.0
29.5	30.0	30.35	28 1/2	3TB300	Q1	13-Arm	3 5/32	2 1/2	3/8	3/8	4 1/8	3/4	1 3/4	9/32	78.5
37.5	38.0	38.35	36 1/2	3TB380	Q1	13-Arm	3 5/32	2 1/2	3/8	3/8	4 1/8	3/4	1 3/4	9/32	110

For optimum sheave selection, see B5V Stock Sheave Listing on Page A-13

A

For Use with All "A" and "B" Section Belts





Standard Keyseats

Table No. 1

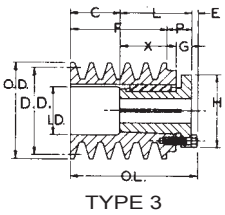
Bore Range	Keyseat
1/2" — 9/16"	1/8" x 1/16"
5/8 — 7/8	3/16 x 3/32
15/16 — 1 1/4	1/4 x 1/8
1 5/16 — 1 3/8	5/16 x 5/32
1 7/16 — 1 3/4	3/8 x 3/16
1 13/16 — 2 1/4	1/2 x 1/4
2 5/16 — 2 11/16	5/8 x 5/16

1 3/8" Bore Bushings also available with 3/8" x 3/16" Keyseat

Bushing Dimensions

Table No. 2

Part No.	Dimensions									Bore Range	Wt. Lbs.
	M	L	G	X	E	T	U	D	H		
P1	2 3/16"	1 15/16"	5/8"	1 5/16"	1/4"	1 17/32"	13/32"	1 15/16"	3"	1/2" — 1 3/4"	1 1/4
P2	3 3/16	2 15/16	5/8	2 5/16	1/4	2 17/32	13/32	1 15/16	3	3/4 — 1 3/4	1 1/2
Q1	2 25/32	2 1/2	3/4	1 3/4	9/32	1 31/32	17/32	2 7/8	4 1/8	3/4 — 2 11/16	3 1/2
Q2	3 25/32	3 1/2	3/4	2 3/4	9/32	2 31/32	17/32	2 7/8	4 1/8	1 — 2 5/8	4 1/2



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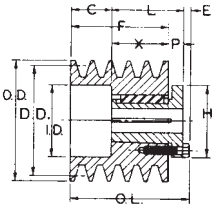

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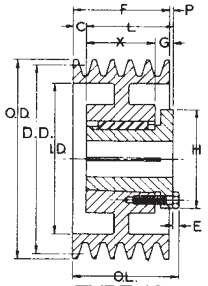

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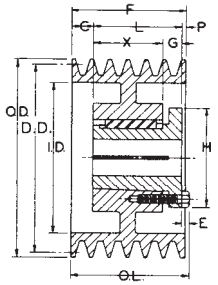


TYPE 15

Specifications — Stock "TB" Sheaves

Table No. 3

DIAMETERS				4 GROOVES, F = 3 1/4"											
Datum "A"	Datum "B"	Outside	Inside	Part Number		Type	Dimensions								Wt. Less Bush.
				Sheave	Bushing		OL	L	P	C	H	G	X	E	
3.0"	**3.4"**	**3.75"**	**2"**	**4TB34**	**P2**	**3**	**4** 9/16"	**2** 15/16"	1 1/16"	**1** 3/8"	**3"**	5/8"	**2** 5/16"	1/4"	**4.5**
3.2	**3.6**	**3.95**	**2** 1/16	**4TB36**	**P2**	**3**	**4** 9/16	**2** 15/16	1 1/16	**1** 3/8	**3**	5/8	**2** 5/16	1/4	**5.3**
3.4	**3.8**	**4.15**	**2** 5/16	**4TB38**	**P1**	**5**	**4** 1/8	**1** 15/16	5/8	**1** 15/16	**3**	—	**1** 5/16	1/4	**4.8**
3.6	**4.0**	**4.35**	**2** 1/2	**4TB40**	**P1**	**5**	**4** 1/8	**1** 15/16	5/8	**1** 15/16	**3**	—	**1** 5/16	1/4	**5.5**
3.8	**4.2**	**4.55**	**2** 11/16	**4TB42**	**P1**	**5**	**4** 1/8	**1** 15/16	5/8	**1** 15/16	**3**	—	**1** 5/16	1/4	**5.9**
4.0	**4.4**	**4.75**	**2** 7/8	**4TB44**	**P1**	**13-Web**	**3** 1/2	**1** 15/16	**0**	**1** 5/16	**3**	5/8	**1** 5/16	1/4	**6.5**
4.2	**4.6**	**4.95**	**3** 1/16	**4TB46**	**P1**	**13-Web**	**3** 1/2	**1** 15/16	**0**	**1** 5/16	**3**	5/8	**1** 5/16	1/4	**7.1**
4.4	**4.8**	**5.15**	**3** 5/16	**4TB48**	**P1**	**13-Web**	**3** 1/2	**1** 15/16	**0**	**1** 5/16	**3**	5/8	**1** 5/16	1/4	**7.5**
4.6	**5.0**	**5.35**	**3** 1/2	**4TB50**	**P1**	**13-Web**	**3** 1/2	**1** 15/16	**0**	**1** 5/16	**3**	5/8	**1** 5/16	1/4	**8.3**
4.8	**5.2**	**5.55**	**3** 11/16	**4TB52**	**P1**	**13-Web**	**3** 1/2	**1** 15/16	**0**	**1** 5/16	**3**	5/8	**1** 5/16	1/4	**9.1**
5.0	**5.4**	**5.75**	**3** 7/8	**4TB54**	**P1**	**13-Web**	**3** 1/2	**1** 15/16	**0**	**1** 5/16	**3**	5/8	**1** 5/16	1/4	**9.6**
5.2	**5.6**	**5.95**	**4** 1/16	**4TB56**	**P1**	**13-Web**	**3** 1/2	**1** 15/16	**0**	**1** 5/16	**3**	5/8	**1** 5/16	1/4	**10.6**
5.4	**5.8**	**6.15**	**4** 5/16	**4TB58**	**P1**	**13-Web**	**3** 1/2	**1** 15/16	**0**	**1** 5/16	**3**	5/8	**1** 5/16	1/4	**11.6**
5.6	**6.0**	**6.35**	**4** 1/2	**4TB60**	**P1**	**13-Web**	**3** 1/2	**1** 15/16	**0**	**1** 5/16	**3**	5/8	**1** 5/16	1/4	**11.9**
5.8	**6.2**	**6.55**	**4** 11/16	**4TB62**	**P1**	**13-Web**	**3** 1/2	**1** 15/16	**0**	**1** 5/16	**3**	5/8	**1** 5/16	1/4	**11.1**
6.0	**6.4**	**6.75**	**4** 7/8	**4TB64**	**P1**	**13-Web**	**3** 1/2	**1** 15/16	**0**	**1** 5/16	**3**	5/8	**1** 5/16	1/4	**11.8**
6.2	**6.6**	**6.95**	**5** 1/16	**4TB66**	**P1**	**13-Web**	**3** 1/2	**1** 15/16	**0**	**1** 5/16	**3**	5/8	**1** 5/16	1/4	**12.0**
6.4	**6.8**	**7.15**	**5** 5/16	**4TB68**	**P1**	**13-Web**	**3** 1/2	**1** 15/16	**0**	**1** 5/16	**3**	5/8	**1** 5/16	1/4	**12.5**
6.6	**7.0**	**7.35**	**5** 1/2	**4TB70**	**Q1**	**13-Web**	**3** 17/32	**2** 1/2	**0**	3/4	**4 1/8**	3/4	**1** 3/4	9/32	**15.3**
7.0	**7.4**	**7.75**	**5** 15/16	**4TB74**	**Q1**	**13-Web**	**3** 17/32	**2** 1/2	**0**	3/4	**4 1/8**	3/4	**1** 3/4	9/32	**15.3**
7.6	**8.0**	**8.35**	**6** 1/2	**4TB80**	**Q1**	**13-Web**	**3** 17/32	**2** 1/2	**0**	3/4	**4 1/8**	3/4	**1** 3/4	9/32	**17.0**
8.2	**8.6**	**8.95**	**7** 1/16	**4TB86**	**Q1**	**13-Web**	**3** 17/32	**2** 1/2	**0**	3/4	**4 1/8**	3/4	**1** 3/4	9/32	**20.8**
8.6	**9.0**	**9.35**	**7** 1/2	**4TB90**	**Q1**	**13-Arm**	**3** 17/32	**2** 1/2	**0**	3/4	**4 1/8**	3/4	**1** 3/4	9/32	**20.0**
9.0	**9.4**	**9.75**	**7** 15/16	**4TB94**	**Q1**	**13-Arm**	**3** 17/32	**2** 1/2	**0**	3/4	**4 1/8**	3/4	**1** 3/4	9/32	**20.1**
10.6	**11.0**	**11.35**	**9** 7/16	**4TB110**	**Q1**	**13-Arm**	**3** 17/32	**2** 1/2	**0**	3/4	**4 1/8**	3/4	**1** 3/4	9/32	**25.8**
12.0	**12.4**	**12.75**	**10** 15/16	**4TB124**	**Q1**	**13-Arm**	**3** 17/32	**2** 1/2	**0**	3/4	**4 1/8**	3/4	**1** 3/4	9/32	**27.5**
13.2	**13.6**	**13.95**	**12** 1/16	**4TB136**	**Q1**	**13-Arm**	**3** 17/32	**2** 1/2	**0**	3/4	**4 1/8**	3/4	**1** 3/4	9/32	**31.5**
15.0	**15.4**	**15.75**	**13** 15/16	**4TB154**	**Q1**	**13-Arm**	**3** 17/32	**2** 1/2	**0**	3/4	**4 1/8**	3/4	**1** 3/4	9/32	**36.0**
15.6	**16.0**	**16.35**	**14** 1/2	**4TB160**	**Q1**	**13-Arm**	**3** 17/32	**2** 1/2	**0**	3/4	**4 1/8**	3/4	**1** 3/4	9/32	**39.0**
18.0	**18.4**	**18.75**	**16** 15/16	**4TB184**	**Q1**	**13-Arm**	**3** 17/32	**2** 1/2	**0**	3/4	**4 1/8**	3/4	**1** 3/4	9/32	**44.8**
19.5	**20.0**	**20.35**	**18** 1/2	**4TB200**	**Q1**	**13-Arm**	**3** 17/32	**2** 1/2	**0**	3/4	**4 1/8**	3/4	**1** 3/4	9/32	**57.0**
24.5	**25.0**	**25.35**	**23** 1/2	**4TB250**	**Q1**	**13-Arm**	**3** 17/32	**2** 1/2	**0**	3/4	**4 1/8**	3/4	**1** 3/4	9/32	**69.5**
29.5	**30.0**	**30.35**	**28** 1/2	**4TB300**	**Q1**	**13-Arm**	**3** 17/32	**2** 1/2	**0**	3/4	**4 1/8**	3/4	**1** 3/4	9/32	**90.8**
37.5	**38.0**	**38.35**	**36** 1/2	**4TB380**	**Q1**	**13-Arm**	**3** 17/32	**2** 1/2	**0**	3/4	**4 1/8**	3/4	**1** 3/4	9/32	**125**

For optimum sheave selection, see B5V Stock Sheave Listing on Page A-14

For Use with All "A" and "B" Section Belts

Specifications — Stock "TB" Sheaves

Table No. 1

DIAMETERS				5 GROOVES, F = 4"											
Datum "A"	Datum "B"	Outside	Inside	Part Number		Type	Dimensions								Wt. Less Bush.
				Sheave	Bushing		OL	L	P	C	H	G	X	E	
3.0"	3.4"	3.75"	2"	5TB34	P2	3	5 5/16"	2 15/16"	1 1/16"	2 1/8"	3"	5/8"	2 5/16"	1/4"	5.3
3.2	3.6	3.95	2 1/16	5TB36	P2	3	5 5/16	2 15/16	1 1/16	2 1/8	3	5/8	2 5/16	1/4	6.1
3.4	3.8	4.15	2 5/16	5TB38	P2	5	4 7/8	2 15/t16	5/8	1 11/16	3	—	2 5/16	1/4	6.1
3.6	4.0	4.35	2 1/2	5TB40	P2	5	4 7/8	2 15/16	5/8	1 11/16	3	—	2 5/16	1/4	7.0
3.8	4.2	4.55	2 11/16	5TB42	P2	5	4 7/8	2 15/16	5/8	1 11/16	3	—	2 5/16	1/4	7.8
4.0	4.4	4.75	2 7/8	5TB44	P2	13-Web	4 1/4	2 15/16	0	1 1/16	3	5/8	2 5/16	1/4	8.5
4.2	4.6	4.95	3 1/16	5TB46	P2	13-Web	4 1/4	2 15/16	0	1 1/16	3	5/8	2 5/16	1/4	9.8
4.4	4.8	5.15	3 5/16	5TB48	P2	13-Web	4 1/4	2 15/16	0	1 1/16	3	5/8	2 5/16	1/4	10.5
4.6	5.0	5.35	3 1/2	5TB50	P2	13-Web	4 1/4	2 15/16	0	1 1/16	3	5/8	2 5/16	1/4	11.6
4.8	5.2	5.55	3 11/16	5TB52	P2	13-Web	4 1/4	2 15/16	0	1 1/16	3	5/8	2 5/16	1/4	12.5
5.0	5.4	5.75	3 7/8	5TB54	Q1	13-Web	4 9/32	2 1/2	0	1 1/2	4 1/8	3/4	1 3/4	9/32	10.4
5.2	5.6	5.95	4 1/16	5TB56	Q1	13-Web	4 9/32	2 1/2	0	1 1/2	4 1/8	3/4	1 3/4	9/32	11.8
5.4	5.8	6.15	4 5/16	5TB58	Q1	13-Web	4 9/32	2 1/2	0	1 1/2	4 1/8	3/4	1 3/4	9/32	12.8
5.6	6.0	6.35	4 1/2	5TB60	Q1	13-Web	4 9/32	2 1/2	0	1 1/2	4 1/8	3/4	1 3/4	9/32	13.8
5.8	6.2	6.55	4 11/16	5TB62	Q1	13-Web	4 9/32	2 1/2	0	1 1/2	4 1/8	3/4	1 3/4	9/32	14.6
6.0	6.4	6.75	4 7/8	5TB64	Q1	13-Web	4 9/32	2 1/2	0	1 1/2	4 1/8	3/4	1 3/4	9/32	16.4
6.2	6.6	6.95	5 1/16	5TB66	Q1	13-Web	4 9/32	2 1/2	0	1 1/2	4 1/8	3/4	1 3/4	9/32	17.1
6.4	6.8	7.15	5 5/16	5TB68	Q1	13-Web	4 9/32	2 1/2	0	1 1/2	4 1/8	3/4	1 3/4	9/32	17.9
6.6	7.0	7.35	5 1/2	5TB70	Q2	13-Web	4 13/32	3 1/2	1/8	5/8	4 1/8	3/4	2 3/4	9/32	20.9
7.0	7.4	7.75	5 15/16	5TB74	Q2	13-Web	4 13/32	3 1/2	1/8	5/8	4 1/8	3/4	2 3/4	9/32	19.8
7.6	8.0	8.35	6 1/2	5TB80	Q2	13-Web	4 13/32	3 1/2	1/8	5/8	4 1/8	3/4	2 3/4	9/32	22.3
8.2	8.6	8.95	7 1/16	5TB86	Q2	13-Web	4 13/32	3 1/2	1/8	5/8	4 1/8	3/4	2 3/4	9/32	29.5
8.6	9.0	9.35	7 1/2	5TB90	Q2	13-Arm	4 13/32	3 1/2	1/8	5/8	4 1/8	3/4	2 3/4	9/32	28.6
9.0	9.4	9.75	7 15/16	5TB94	Q2	13-Arm	4 13/32	3 1/2	1/8	5/8	4 1/8	3/4	2 3/4	9/32	29.5
10.6	11.0	11.35	9 7/16	5TB110	Q2	13-Arm	4 13/32	3 1/2	1/8	5/8	4 1/8	3/4	2 3/4	9/32	32.8
12.0	12.4	12.75	10 15/16	5TB124	Q2	13-Arm	4 13/32	3 1/2	1/8	5/8	4 1/8	3/4	2 3/4	9/32	35.4
13.2	13.6	13.95	12 1/16	5TB136	Q2	13-Arm	4 13/32	3 1/2	1/8	5/8	4 1/8	3/4	2 3/4	9/32	41.0
15.0	15.4	15.75	13 15/16	5TB154	Q2	13-Arm	4 13/32	3 1/2	1/8	5/8	4 1/8	3/4	2 3/4	9/32	45.3
15.6	16.0	16.35	14 1/2	5TB160	Q2	13-Arm	4 13/32	3 1/2	1/8	5/8	4 1/8	3/4	2 3/4	9/32	48.0
18.0	18.4	18.75	16 15/16	5TB184	Q2	13-Arm	4 13/32	3 1/2	1/8	5/8	4 1/8	3/4	2 3/4	9/32	57.3
19.5	20.0	20.35	18 1/2	5TB200	Q2	13-Arm	4 13/32	3 1/2	1/8	5/8	4 1/8	3/4	2 3/4	9/32	66.0
24.5	25.0	25.35	23 1/2	5TB250	Q2	13-Arm	4 13/32	3 1/2	1/8	5/8	4 1/8	3/4	2 3/4	9/32	82.5
29.5	30.0	30.35	28 1/2	5TB300	Q2	13-Arm	4 13/32	3 1/2	1/8	5/8	4 1/8	3/4	2 3/4	9/32	117
37.5	38.0	38.35	36 1/2	5TB380	Q2	13-Arm	4 13/32	3 1/2	1/8	5/8	4 1/8	3/4	2 3/4	9/32	159

For sheaves with larger bores, see Page A-40.

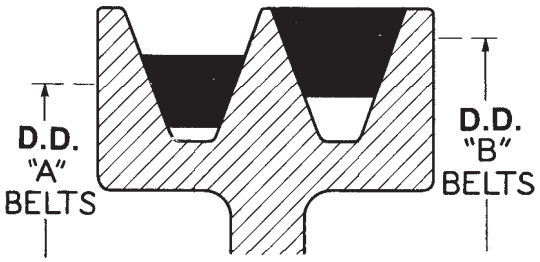
Table No. 2

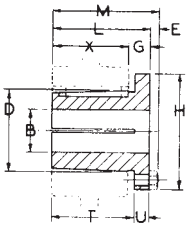
DIAMETERS				6 GROOVES, F = 4 3/4"											
Datum "A"	Datum "B"	Outside	Inside	Part Number		Type	Dimensions								Wt. Less Bush.
				Sheave	Bushing		OL	L	P	C	H	G	X	E	
3.0"	3.4"	3.75"	2"	6TB34	P2	3	6 1/16"	2 15/16"	1 1/16"	2 7/8"	3"	5/8"	2 5/16"	1/4"	6.1
3.2	3.6	3.95	2 1/16	6TB36	P2	3	6 1/16"	2 15/16	1 1/16	2 7/8	3	5/8	2 5/16	1/4	7.3
3.4	3.8	4.15	2 5/16	6TB38	P2	5	5 5/8	2 15/t16	5/8	2 7/16	3	—	2 5/16	1/4	7.0
3.6	4.0	4.35	2 1/2	6TB40	P2	5	5 5/8	2 15/16	5/8	2 7/16	3	—	2 5/16	1/4	8.1
3.8	4.2	4.55	2 11/16	6TB42	P2	5	5 5/8	2 15/16	5/8	2 7/16	3	—	2 5/16	1/4	9.3
4.0	4.4	4.75	2 7/8	6TB44	P2	13-Web	5	2 15/16	0	1 13/16	3	5/8	2 5/16	1/4	9.9
4.2	4.6	4.95	3 1/16	6TB46	P2	13-Web	5	2 15/16	0	1 13/16	3	5/8	2 5/16	1/4	11.0
4.4	4.8	5.15	3 5/16	6TB48	P2	13-Web	5	2 15/16	0	1 13/16	3	5/8	2 5/16	1/4	11.8
4.6	5.0	5.35	3 1/2	6TB50	P2	13-Web	5	2 15/16	0	1 13/16	3	5/8	2 5/16	1/4	12.9
4.8	5.2	5.55	3 11/16	6TB52	P2	13-Web	5	2 15/16	0	1 13/16	3	5/8	2 5/16	1/4	14.8
5.0	5.4	5.75	3 7/8	6TB54	Q1	13-Web	5 1/32	2 1/2	0	2 1/4	4 1/8	3/4	1 3/4	9/32	11.8
5.2	5.6	5.95	4 1/16	6TB56	Q1	13-Web	5 1/32	2 1/2	0	2 1/4	4 1/8	3/4	1 3/4	9/32	17.3
5.4	5.8	6.15	4 5/16	6TB58	Q1	13-Web	5 1/32	2 1/2	0	2 1/4	4 1/8	3/4	1 3/4	9/32	14.5
5.6	6.0	6.35	4 1/2	6TB60	Q1	13-Web	5 1/32	2 1/2	0	2 1/4	4 1/8	3/4	1 3/4	9/32	15.4
5.8	6.2	6.55	4 11/16	6TB62	Q1	13-Web	5 1/32	2 1/2	0	2 1/4	4 1/8	3/4	1 3/4	9/32	16.4
6.0	6.4	6.75	4 7/8	6TB64	Q1	13-Web	5 1/32	2 1/2	0	2 1/4	4 1/8	3/4	1 3/4	9/32	18.6
6.2	6.6	6.95	5 1/16	6TB66	Q1	13-Web	5 1/32	2 1/2	0	2 1/4	4 1/8	3/4	1 3/4	9/32	18.5
6.4	6.8	7.15	5 5/16	6TB68	Q1	13-Web	5 1/32	2 1/2	0	2 1/4	4 1/8	3/4	1 3/4	9/32	20.8
6.6	7.0	7.35	5 1/2	6TB70	Q2	15-Web	4 25/32	3 1/2	1/4	1	4 1/8	3/4	2 3/4	9/32	22.8
7.0	7.4	7.75	5 15/16	6TB74	Q2	15-Web	4 25/32	3 1/2	1/4	1	4 1/8	3/4	2 3/4	9/32	26.5
7.6	8.0	8.35	6 1/2	6TB80	Q2	15-Web	4 25/32	3 1/2	1/4	1	4 1/8	3/4	2 3/4	9/32	24.1
8.2	8.6	8.95	7 1/16	6TB86	Q2	15-Web	4 25/32	3 1/2	1/4	1	4 1/8	3/4	2 3/4	9/32	27.1
8.6	9.0	9.35	7 1/2	6TB90	Q2	15-Web	4 25/32	3 1/2	1/4	1	4 1/8	3/4	2 3/4	9/32	30.6
9.0	9.4	9.75	7 15/16	6TB94	Q2	15-Arm	4 25/32	3 1/2	1/4	1	4 1/8	3/4	2 3/4	9/32	32.8
10.6	11.0	11.35	9 7/16	6TB110	Q2	15-Arm	4 25/32	3 1/2	1/4	1	4 1/8	3/4	2 3/4	9/32	36.6
12.0	12.4	12.75	10 15/16	6TB124	Q2	15-Arm	4 25/32	3 1/2	1/4	1	4 1/8	3/4	2 3/4	9/32	39.8
13.2	13.6	13.95	12 1/16	6TB136	Q2	15-Arm	4 25/32	3 1/2	1/4	1	4 1/8	3/4	2 3/4	9/32	44.9
15.0	15.4	15.75	13 15/16	6TB154	Q2	15-Arm	4 25/32	3 1/2	1/4	1	4 1/8	3/4	2 3/4	9/32	49.9
15.6	16.0	16.35	14 1/2	6TB160	Q2	15-Arm	4 25/32	3 1/2	1/4	1	4 1/8	3/4	2 3/4	9/32	54.0
18.0	18.4	18.75	16 15/16	6TB184	Q2	15-Arm	4 25/32	3 1/2	1/4	1	4 1/8	3/4	2 3/4	9/32	62.0
19.5	20.0	20.35	18 1/2	6TB200	Q2	15-Arm	4 25/32	3 1/2	1/4	1	4 1/8	3/4	2 3/4	9/32	74.0
24.5	25.0	25.35	23 1/2	6TB250	Q2	15-Arm	4 25/32	3 1/2	1/4	1	4 1/8	3/4	2 3/4	9/32	89.5
29.5	30.0	30.35	28 1/2	6TB300	Q2	15-Arm	4 25/32	3 1/2	1/4	1	4 1/8	3/4	2 3/4	9/32	128
37.5	38.0	38.35	36 1/2	6TB380	Q2	15-Arm	4 25/32	3 1/2	1/4	1	4 1/8	3/4	2 3/4	9/32	179

For sheaves with larger bores, see Page A-40.

A

For Use with All "A" and "B" Section Belts





COMBINATION GROOVE
Close Grain Cast Iron
Accurately Machined
Statically Balanced

Standard Keyseats

Table No. 1

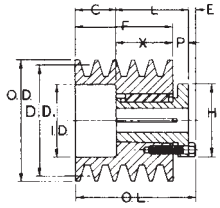
Bore Range	Keyseat
3/4" - 7/8"	3/16" x 3/32"
15/16 - 1 1/4	1/4 x 1/8
1 5/16 - 1 3/8	5/16 x 5/32
1 7/16 - 1 3/4	3/8 x 3/16
1 13/16 - 2 1/4	1/2 x 1/4
2 5/16 - 2 3/4	5/8 x 5/16
2 13/16 - 3 1/4	3/4 x 3/8
3 3/8 - 3 3/4	7/8 x 7/16

1 3/8" Bore Bushings also available with 3/8" x 3/16" Keyseat

Bushing Dimensions

Table No. 2

Part No.	Dimensions									Bore Range	Wt. Lbs.
	M	L	G	X	E	T	U	D	H		
Q1	2 25/32"	2 1/2"	3/4"	1 3/4"	9/32"	1 31/32"	17/32"	2 7/8"	4 1/8"	3/4" - 2 11/16"	3 1/2
R1	3 5/32	2 7/8	7/8	2	9/32	2 1/4	5/8	4	5 3/8	1 1/8 - 3 3/4	7 1/2



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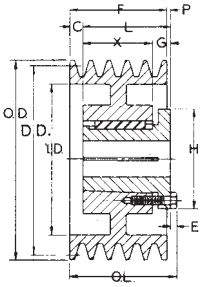

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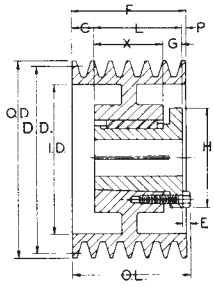

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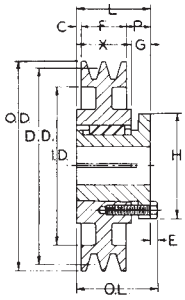


TYPE 16

Specifications — Stock "B" Sheaves

Table No. 3

DIAMETERS				2 GROOVES, F = 1 3/4"											
				Part Number			Dimensions								Wt.
Datum "A"	Datum "B"	Outside	Inside	Sheave	Bushing	Type	OL	L	P	C	H	G	X	E	Less Bush.
5.0"	5.4"	5.75"	—	**2B54Q**	**Q1**	5	2 25/32"	2 1/2"	3/4"	0"	4 1/8"	—	1 3/4"	9/32"	6.0
5.2	5.6	5.95	—	**2B56Q**	**Q1**	5	2 25/32	2 1/2	3/4	0	4 1/8	—	1 3/4	9/32	7.3
5.4	5.8	6.15	—	**2B58Q**	**Q1**	5	2 25/32	2 1/2	3/4	0	4 1/8	—	1 3/4	9/32	7.9
5.6	6.0	6.35	—	**2B60Q**	**Q1**	5	2 25/32	2 1/2	3/4	0	4 1/8	—	1 3/4	9/32	8.9
5.8	6.2	6.55	—	**2B62Q**	**Q1**	5	2 25/32	2 1/2	3/4	0	4 1/8	—	1 3/4	9/32	9.4
6.0	6.4	6.75	—	**2B64Q**	**Q1**	5	2 25/32	2 1/2	3/4	0	4 1/8	—	1 3/4	9/32	10.1
6.2	6.6	6.95	—	**2B66Q**	**Q1**	5	2 25/32	2 1/2	3/4	0	4 1/8	—	1 3/4	9/32	11.1
6.4	6.8	7.15	—	**2B68Q**	**Q1**	5	2 25/32	2 1/2	3/4	0	4 1/8	—	1 3/4	9/32	12.3
15.0	15.4	15.75	13 7/8"	**2B154R**	**R1**	16-Arm	3 5/32	2 7/8	1	1/8	5 3/8	7/8"	2	9/32	30.6
15.6	16.0	16.35	14 1/2	**2B160R**	**R1**	16-Arm	3 5/32	2 7/8	1	1/8	5 3/8	7/8"	2	9/32	32.0
18.0	18.4	18.75	16 7/8	**2B184R**	**R1**	16-Arm	3 5/32	2 7/8	1	1/8	5 3/8	7/8"	2	9/32	39.1
19.5	20.0	20.35	18 1/2	**2B200R**	**R1**	16-Arm	3 5/32	2 7/8	1	1/8	5 3/8	7/8"	2	9/32	43.5
24.5	25.0	25.35	23 1/2	**2B250R**	**R1**	16-Arm	3 5/32	2 7/8	1	1/8	5 3/8	7/8"	2	9/32	58.0
29.5	30.0	30.35	28 1/2	**2B300R**	**R1**	16-Arm	3 5/32	2 7/8	1	1/8	5 3/8	7/8"	2	9/32	81.0
37.5	38.0	38.35	36 1/2	**2B380R**	**R1**	16-Arm	3 5/32	2 7/8	1	1/8	5 3/8	7/8"	2	9/32	92.0

For optimum sheave selection, see B5V Stock Sheave Listing on Page A-12.

Table No. 4

DIAMETERS				3 GROOVES, F = 2 1/2"											
				Part Number			Dimensions								Wt.
Datum "A"	Datum "B"	Outside	Inside	Sheave	Bushing	Type	OL	L	P	C	H	G	X	E	Less Bush.
5.0"	5.4"	5.75"	3 7/8"	**3B54Q**	**Q1**	5	3 17/32"	2 1/2"	3/4"	3/4"	4 1/8"	-	1 3/4"	9/32"	7.9
5.2	5.6	5.95	4 1/16	**3B56Q**	**Q1**	5	3 17/32	2 1/2	3/4	3/4	4 1/8	-	1 3/4	9/32	9.0
5.4	5.8	6.15	4 1/4	**3B58Q**	**Q1**	13-Web	3 5/32	2 1/2	3/8	3/8	4 1/8	3/4"	1 3/4	9/32	9.4
5.6	6.0	6.35	4 7/16	**3B60Q**	**Q1**	13-Web	3 5/32	2 1/2	3/8	3/8	4 1/8	3/4	1 3/4	9/32	10.4
5.8	6.2	6.55	4 11/16	**3B62Q**	**Q1**	13-Web	3 5/32	2 1/2	3/8	3/8	4 1/8	3/4	1 3/4	9/32	11.3
6.0	6.4	6.75	4 7/8	**3B64Q**	**Q1**	13-Web	3 5/32	2 1/2	3/8	3/8	4 1/8	3/4	1 3/4	9/32	12.1
6.2	6.6	6.95	5 1/16	**3B66Q**	**Q1**	13-Web	3 5/32	2 1/2	3/8	3/8	4 1/8	3/4	1 3/4	9/32	13.0
6.4	6.8	7.15	5 1/4	**3B68Q**	**Q1**	13-Web	3 5/32	2 1/2	3/8	3/8	4 1/8	3/4	1 3/4	9/32	14.3
15.0	15.4	15.75	13 7/8"	**3B154R**	**R1**	13-Arm	3 13/32	2 7/8	5/8	1/4	5 3/8	7/8	2	9/32	35.5
15.6	16.0	16.35	14 1/2	**3B160R**	**R1**	13-Arm	3 13/32	2 7/8	5/8	1/4	5 3/8	7/8	2	9/32	38.0
18.0	18.4	18.75	16 7/8	**3B184R**	**R1**	13-Arm	3 13/32	2 7/8	5/8	1/4	5 3/8	7/8	2	9/32	44.8
19.5	20.0	20.35	18 1/2	**3B200R**	**R1**	13-Arm	3 13/32	2 7/8	5/8	1/4	5 3/8	7/8	2	9/32	50.3
24.5	25.0	25.35	23 1/2	**3B250R**	**R1**	13-Arm	3 13/32	2 7/8	5/8	1/4	5 3/8	7/8	2	9/32	65.0
29.5	30.0	30.35	28 1/2	**3B300R**	**R1**	13-Arm	3 13/32	2 7/8	5/8	1/4	5 3/8	7/8	2	9/32	89.0
37.5	38.0	38.35	36 1/2	**3B380R**	**R1**	13-Arm	3 13/32	2 7/8	5/8	1/4	5 3/8	7/8	2	9/32	106

For optimum sheave selection, see B5V Stock Sheave Listing on Page A-13.

For Use with All "A" and "B" Section Belts
Specifications — Stock "B" Sheaves

Table No. 1

DIAMETERS				4 GROOVES, F = 3 1/4"											
Datum "A"	Datum "B"	Outside	Inside	Part Number		Type	Dimensions								Wt. Less Bush.
				Sheave	Bushing		OL	L	P	C	H	G	X	E	
5.0"	**5.4"**	**5.75"**	**3** 7/8"	**4B54Q**	**Q1**	**5**	**4** 9/32"	**2** 1/2"	3/4"	**1** 1/2"	**4** 1/8"	—	**1** 3/4"	9/32"	**9.3**
5.2	**5.6**	**5.95**	**4** 1/16	**4B56Q**	**Q1**	**5**	**4** 9/32	**2** 1/2	3/4	**1** 1/2	**4** 1/8	—	**1** 3/4	9/32	**10.5**
5.4	**5.8**	**6.15**	**4** 1/4	**4B58Q**	**Q1**	**13-Web**	**3** 17/32	**2** 1/2	**0**	3/4	**4** 1/8	3/4"	**1** 3/4	9/32	**11.5**
5.6	**6.0**	**6.35**	**4** 7/16	**4B60Q**	**Q1**	**13-Web**	**3** 17/32	**2** 1/2	**0**	3/4	**4** 1/8	3/4	**1** 3/4	9/32	**12.6**
5.8	**6.2**	**6.55**	**4** 11/16	**4B62Q**	**Q1**	**13-Web**	**3** 17/32	**2** 1/2	**0**	3/4	**4** 1/8	3/4	**1** 3/4	9/32	**12.6**
6.0	**6.4**	**6.75**	**4** 7/8	**4B64Q**	**Q1**	**13-Web**	**3** 17/32	**2** 1/2	**0**	3/4	**4** 1/8	3/4	**1** 3/4	9/32	**14.1**
6.2	**6.6**	**6.95**	**5** 1/16	**4B66Q**	**Q1**	**13-Web**	**3** 17/32	**2** 1/2	**0**	3/4	**4** 1/8	3/4	**1** 3/4	9/32	**14.8**
6.4	**6.8**	**7.15**	**5** 1/4	**4B68Q**	**Q1**	**13-Web**	**3** 17/32	**2** 1/2	**0**	3/4	**4** 1/8	3/4	**1** 3/4	9/32	**16.9**
15.0	**15.4**	**15.75**	**13** 7/8"	**4B154R**	**R1**	**13-Arm**	**3** 25/32	**2** 7/8	1/4	5/8	**5** 3/8	7/8	**2**	9/32	**40.1**
15.6	**16.0**	**16.35**	**14** 1/2	**4B160R**	**R1**	**13-Arm**	**3** 25/32	**2** 7/8	1/4	5/8	**5** 3/8	7/8	**2**	9/32	**44.0**
18.0	**18.4**	**18.75**	**16** 7/8	**4B184R**	**R1**	**13-Arm**	**3** 25/32	**2** 7/8	1/4	5/8	**5** 3/8	7/8	**2**	9/32	**50.3**
19.5	**20.0**	**20.35**	**18** 1/2	**4B200R**	**R1**	**13-Arm**	**3** 25/32	**2** 7/8	1/4	5/8	**5** 3/8	7/8	**2**	9/32	**54.0**
24.5	**25.0**	**25.35**	**23** 1/2	**4B250R**	**R1**	**13-Arm**	**3** 25/32	**2** 7/8	1/4	5/8	**5** 3/8	7/8	**2**	9/32	**71.0**
29.5	**30.0**	**30.35**	**28** 1/2	**4B300R**	**R1**	**13-Arm**	**3** 25/32	**2** 7/8	1/4	5/8	**5** 3/8	7/8	**2**	9/32	**99.0**
37.5	**38.0**	**38.35**	**36** 1/2	**4B380R**	**R1**	**13-Arm**	**3** 25/32	**2** 7/8	1/4	5/8	**5** 3/8	7/8	**2**	9/32	**126**

For optimum sheave selection, see B5V Stock Sheave Listing on Page A-14

Table No. 2

DIAMETERS				5 GROOVES, F = 4"											
Datum "A"	Datum "B"	Outside	Inside	Part Number		Type	Dimensions								Wt. Less Bush.
				Sheave	Bushing		OL	L	P	C	H	G	X	E	
6.6"	**7.0"**	**7.35"**	**5** 1/2"	**5B70R**	**R1**	**15-Web**	**4** 5/32"	**2** 7/8"	1/8"	1"	**5** 3/8"	7/8"	**2"**	9/32"	**17.0**
7.0	**7.4**	**7.75**	**5** 7/8	**5B74R**	**R1**	**15-Web**	**4** 5/32	**2** 7/8	1/8	1	**5** 3/8	7/8	**2**	9/32	**20.3**
7.6	**8.0**	**8.35**	**6** 1/2	**5B80R**	**R1**	**15-Web**	**4** 5/32	**2** 7/8	1/8	1	**5** 3/8	7/8	**2**	9/32	**24.8**
8.2	**8.6**	**8.95**	**7** 1/16	**5B86R**	**R1**	**15-Web**	**4** 5/32	**2** 7/8	1/8	1	**5** 3/8	7/8	**2**	9/32	**27.3**
8.6	**9.0**	**9.35**	**7** 1/2	**5B90R**	**R1**	**15-Web**	**4** 5/32	**2** 7/8	1/8	1	**5** 3/8	7/8	**2**	9/32	**29.1**
9.0	**9.4**	**9.75**	**7** 7/8	**5B94R**	**R1**	**15-Web**	**4** 5/32	**2** 7/8	1/8	1	**5** 3/8	7/8	**2**	9/32	**30.0**
10.6	**11.0**	**11.35**	**9** 1/2	**5B110R**	**R1**	**15-Arm**	**4** 5/32	**2** 7/8	1/8	1	**5** 3/8	7/8	**2**	9/32	**32.8**
12.0	**12.4**	**12.75**	**10** 7/8	**5B124R**	**R1**	**15-Arm**	**4** 5/32	**2** 7/8	1/8	1	**5** 3/8	7/8	**2**	9/32	**36.0**
13.2	**13.6**	**13.95**	**12** 1/16	**5B136R**	**R1**	**15-Arm**	**4** 5/32	**2** 7/8	1/8	1	**5** 3/8	7/8	**2**	9/32	**40.3**
15.0	**15.4**	**15.75**	**13** 7/8	**5B154R**	**R1**	**15-Arm**	**4** 5/32	**2** 7/8	1/8	1	**5** 3/8	7/8	**2**	9/32	**45.0**
15.6	**16.0**	**16.35**	**14** 1/2	**5B160R**	**R1**	**15-Arm**	**4** 5/32	**2** 7/8	1/8	1	**5** 3/8	7/8	**2**	9/32	**48.0**
18.0	**18.4**	**18.75**	**16** 7/8	**5B184R**	**R1**	**15-Arm**	**4** 5/32	**2** 7/8	1/8	1	**5** 3/8	7/8	**2**	9/32	**54.0**
19.5	**20.0**	**20.35**	**18** 1/2	**5B200R**	**R1**	**15-Arm**	**4** 5/32	**2** 7/8	1/8	1	**5** 3/8	7/8	**2**	9/32	**64.0**
24.5	**25.0**	**25.35**	**23** 1/2	**5B250R**	**R1**	**15-Arm**	**4** 5/32	**2** 7/8	1/8	1	**5** 3/8	7/8	**2**	9/32	**79.0**
29.5	**30.0**	**30.35**	**28** 1/2	**5B300R**	**R1**	**15-Arm**	**4** 5/32	**2** 7/8	1/8	1	**5** 3/8	7/8	**2**	9/32	**115**
37.5	**38.0**	**38.35**	**36** 1/2	**5B380R**	**R1**	**15-Arm**	**4** 5/32	**2** 7/8	1/8	1	**5** 3/8	7/8	**2**	9/32	**150**

For sheaves with smaller bores, see Page A-38.

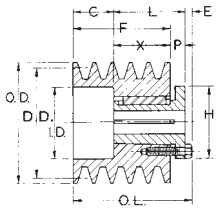
Table No. 3

DIAMETERS				6 GROOVES, F = 4 3/4"											
Datum "A"	Datum "B"	Outside	Inside	Part Number		Type	Dimensions								Wt. Less Bush.
				Sheave	Bushing		OL	L	P	C	H	G	X	E	
6.6"	**7.0"**	**7.35"**	**5** 1/2"	**6B70R**	**R1**	**15-Web**	**4** 3/4"	**2** 7/8"	1/2"	**1** 3/8"	**5** 3/8"	7/8"	**2"**	9/32"	**19.0**
7.0	**7.4**	**7.75**	**5** 7/8	**6B74R**	**R1**	**15-Web**	**4** 3/4	**2** 7/8	1/2	**1** 3/8	**5** 3/8	7/8	**2**	9/32	**21.8**
7.6	**8.0**	**8.35**	**6** 1/2	**6B80R**	**R1**	**15-Web**	**4** 3/4	**2** 7/8	1/2	**1** 3/8	**5** 3/8	7/8	**2**	9/32	**26.8**
8.2	**8.6**	**8.95**	**7** 1/16	**6B86R**	**R1**	**15-Web**	**4** 3/4	**2** 7/8	1/2	**1** 3/8	**5** 3/8	7/8	**2**	9/32	**29.4**
8.6	**9.0**	**9.35**	**7** 1/2	**6B90R**	**R1**	**15-Web**	**4** 3/4	**2** 7/8	1/2	**1** 3/8	**5** 3/8	7/8	**2**	9/32	**31.4**
9.0	**9.4**	**9.75**	**7** 7/8	**6B94R**	**R1**	**15-Web**	**4** 3/4	**2** 7/8	1/2	**1** 3/8	**5** 3/8	7/8	**2**	9/32	**32.8**
10.6	**11.0**	**11.35**	**9** 1/2	**6B110R**	**R1**	**15-Arm**	**4** 3/4	**2** 7/8	1/2	**1** 3/8	**5** 3/8	7/8	**2**	9/32	**37.0**
12.0	**12.4**	**12.75**	**10** 7/8	**6B124R**	**R1**	**15-Arm**	**4** 3/4	**2** 7/8	1/2	**1** 3/8	**5** 3/8	7/8	**2**	9/32	**39.4**
13.2	**13.6**	**13.95**	**12** 1/16	**6B136R**	**R1**	**15-Arm**	**4** 3/4	**2** 7/8	1/2	**1** 3/8	**5** 3/8	7/8	**2**	9/32	**45.3**
15.0	**15.4**	**15.75**	**13** 7/8	**6B154R**	**R1**	**15-Arm**	**4** 3/4	**2** 7/8	1/2	**1** 3/8	**5** 3/8	7/8	**2**	9/32	**49.1**
15.6	**16.0**	**16.35**	**14** 1/2	**6B160R**	**R1**	**15-Arm**	**4** 3/4	**2** 7/8	1/2	**1** 3/8	**5** 3/8	7/8	**2**	9/32	**52.0**
18.0	**18.4**	**18.75**	**16** 7/8	**6B184R**	**R1**	**15-Arm**	**4** 3/4	**2** 7/8	1/2	**1** 3/8	**5** 3/8	7/8	**2**	9/32	**59.0**
19.5	**20.0**	**20.35**	**18** 1/2	**6B200R**	**R1**	**15-Arm**	**4** 3/4	**2** 7/8	1/2	**1** 3/8	**5** 3/8	7/8	**2**	9/32	**69.0**
24.5	**25.0**	**25.35**	**23** 1/2	**6B250R**	**R1**	**15-Arm**	**4** 3/4	**2** 7/8	1/2	**1** 3/8	**5** 3/8	7/8	**2**	9/32	**83.0**
29.5	**30.0**	**30.35**	**28** 1/2	**6B300R**	**R1**	**15-Arm**	**4** 3/4	**2** 7/8	1/2	**1** 3/8	**5** 3/8	7/8	**2**	9/32	**126**
37.5	**38.0**	**38.35**	**36** 1/2	**6B380R**	**R1**	**15-Arm**	**4** 3/4	**2** 7/8	1/2	**1** 3/8	**5** 3/8	7/8	**2**	9/32	**170**

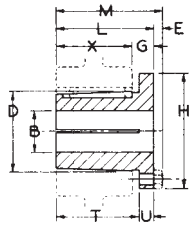
For sheaves with smaller bores, see Page A-38.

A

For Use with All "A" and "B" Section Belts



TYPE 5

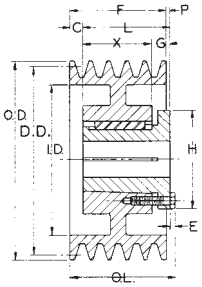


Standard Keyseats

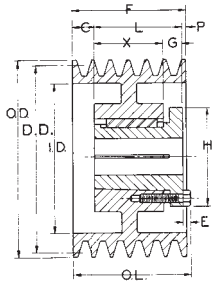
Table No. 1

Bore Range	Keyseat
1" - 1 1/4"	1/4" x 1/8"
1 5/16 - 1 3/8	5/16 x 5/32
1 7/16 - 1 3/4	3/8 x 3/16
1 13/16 - 2 1/4	1/2 x 1/4
2 5/16 - 2 3/4	5/8 x 5/16
2 13/16 - 3 1/4	3/4 x 3/8
3 3/8 - 3 5/8	7/8 x 7/16
3 7/8 - 4 1/2	1 x 1/2
4 5/8 - 5 1/2	1 1/4 x 5/8

1 3/8" Bore Bushings (except R2) also available with 3/8" x 3/16" Keyseat.



TYPE 13



TYPE 15

Bushing Dimensions

Table No. 2

Part No.	Dimensions									Bore Range	Wt. Lbs.
	M	L	G	X	E	T	U	D	H		
Q2	3 25/32"	3 1/2"	3/4"	2 3/4"	9/32"	2 31/32"	17/32	2 7/8"	4 1/8"	1" - 2 5/8"	4 1/2
R2	5 5/32	4 7/8	7/8	4	9/32	4 1/4	5/8	4	5 3/8	1 3/8 - 3 5/8	11
S1	4 3/4	4 3/8	1 1/16	3 5/16	3/8	3 5/8	3/4	4 5/8	6 3/8	1 11/16 - 4 1/4	13 1/2
U0	5 13/32	4 15/16	1 3/16	3 3/4	15/32	4 3/16	3/4	6	8 3/8	2 3/8 - 5 1/2	27

Specifications — Stock "B" Sheaves

Table No. 3

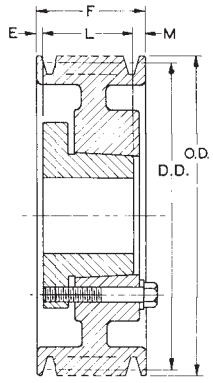
DIAMETERS				8 Grooves, F = 6 1/4"											
				Part Number			Dimensions								
Datum "A"	Datum "B"	Outside	Inside	Sheave	Bushing	Type	OL	L	P	C	H	G	X	E	Wt. Less Bush.
8 GROOVES, F = 6 1/4"															
5.0"	5.4"	5.75"	3 7/8"	**8B54Q**	**Q2**	5	7 9/32"	3 1//2"	3/4"	3 1/2"	4 1/8"	—	2 3/4"	9/32"	18.1
5.2	5.6	5.95	4 1/16	**8B56Q**	**Q2**	5	7 9/32	3 1/2	3/4	3 1/2	4 1/8	—	2 3/4	9/32	20.6
5.4	5.8	6.15	4 1/4	**8B58Q**	**Q2**	15-Web	6 1/4	3 1/2	2	3/4	4 1/8	3/4"	2 3/4	9/32	20.9
5.6	6.0	6.35	4 7/16	**8B60Q**	**Q2**	15-Web	6 1/4	3 1/2	2	3/4	4 1/8	3/4	2 3/4	9/32	23.0
5.8	6.2	6.55	4 11/16	**8B62Q**	**Q2**	15-Web	6 1/4	3 1/2	2	3/4	4 1/8	3/4	2 3/4	9/32	23.0
6.0	6.4	6.75	4 7/8	**8B64Q**	**Q2**	15-Web	6 1/4	3 1/2	2	3/4	4 1/8	3/4	2 3/4	9/32	25.0
6.2	6.6	6.95	5 1/16	**8B66Q**	**Q2**	15-Web	6 1/4	3 1/2	2	3/4	4 1/8	3/4	2 3/4	9/32	27.3
6.4	6.8	7.15	5 1/4	**8B68Q**	**Q2**	15-Web	6 1/4	3 1/2	2	3/4	4 1/8	3/4	2 3/4	9/32	31.1
6.6	7.0	7.35	5 1/2	**8B70R**	**R2**	15-Web	6 9/32	4 7/8	1/4	1 1/8	5 3/8	7/8	4	9/32	29.5
7.0	7.4	7.75	5 7/8	**8B74R**	**R2**	15-Web	6 9/32	4 7/8	1/4	1 1/8	5 3/8	7/8	4	9/32	34.9
7.6	8.0	8.35	6 1/2	**8B80R**	**R2**	15-Web	6 9/32	4 7/8	1/4	1 1/8	5 3/8	7/8	4	9/32	42.9
8.2	8.6	8.95	7 1/16	**8B86R**	**R2**	15-Web	6 9/32	4 7/8	1/4	1 1/8	5 3/8	7/8	4	9/32	52.0
8.6	9.0	9.35	7 1/2	**8B90R**	**R2**	15-Web	6 9/32	4 7/8	1/4	1 1/8	5 3/8	7/8	4	9/32	48.3
9.0	9.4	9.75	7 7/8	**8B94R**	**R2**	15-Web	6 9/32	4 7/8	1/4	1 1/8	5 3/8	7/8	4	9/32	49.3
10.6	11.0	11.35	9 1/2	**8B110R**	**R2**	15-Web	6 9/32	4 7/8	1/4	1 1/8	5 3/8	7/8	4	9/32	55.0
12.0	12.4	12.75	10 7/8	**8B124R**	**R2**	15-Arm	6 9/32	4 7/8	1/4	1 1/8	5 3/8	7/8	4	9/32	60.0
13.2	13.6	13.95	12 1/16	**8B136R**	**R2**	15-Arm	6 9/32	4 7/8	1/4	1 1/8	5 3/8	7/8	4	9/32	68.5
15.0	15.4	15.75	13 7/8	**8B154R**	**R2**	15-Arm	6 9/32	4 7/8	1/4	1 1/8	5 3/8	7/8	4	9/32	77.3
18.0	18.4	18.75	16 7/8	**8B184R**	**R2**	15-Arm	6 9/32	4 7/8	1/4	1 1/8	5 3/8	7/8	4	9/32	90.0
19.5	20.0	20.35	18 1/2	**8B200R**	**R2**	15-Arm	6 9/32	4 7/8	1/4	1 1/8	5 3/8	7/8	4	9/32	96.0
24.5	25.0	25.35	23 1/2	**8B250R**	**R2**	15-Arm	6 9/32	4 7/8	1/4	1 1/8	5 3/8	7/8	4	9/32	129
29.5	30.0	30.35	28 1/2	**8B300R**	**R2**	15-Arm	6 9/32	4 7/8	1/4	1 1/8	5 3/8	7/8	4	9/32	163
29.5	30.0	30.35	28 1/2	**8B300S**	**S1**	15-Arm	6 1/4	4 3/8	1/4	1 1/8	6 3/8	1 1/16	3 5/16	3/8	168
37.5	38.0	38.35	36 1/2	**8B380R**	**R2**	15-Arm	6 9/32	4 7/8	1/4	1 1/8	5 3/8	7/8	4	9/32	228
37.5	38.0	38.35	36 1/2	**8B380S**	**S1**	15-Arm	6 1/4	4 3/8	1/4	1 1/8	6 3/8	1 1/16	3 5/16	3/8	238

For Use with All "A" and "B" Section Belts

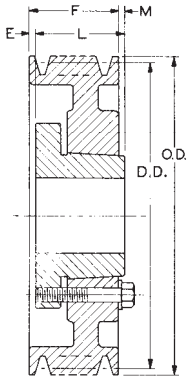
Table No. 1

Specifications — Stock "B" Sheaves

DIAMETERS				Part Number		Type	Dimensions								Wt. Less Bush.
Datum "A"	Datum "B"	Outside	Inside	Sheave	Bush-ing		O.L.	L	P	C	H	G	X	E	
10 GROOVES, F = 7 3/4"															
5.0"	5.4"	5.75"	3 7/8"	**10B54Q**	**Q2**	5	8 25/32"	3 1/2"	3/4"	5"	4 1/8"	—	2 3/4"	9/32"	21.5
5.2	5.6	5.95	4 1/16	**10B56Q**	**Q2**	5	8 25/32	3 1/2	3/4	5	4 1/8	—	2 3/4	9/32	24.9
5.4	5.8	6.15	4 1/4	**10B58Q**	**Q2**	15-Web	7 3/4	3 1/2	3 1/2	3/4	4 1/8	3/4"	2 3/4	9/32	23.5
5.6	6.0	6.35	4 7/16	**10B60Q**	**Q2**	15-Web	7 3/4	3 1/2	3 1/2	3/4	4 1/8	3/4	2 3/4	9/32	25.6
5.8	6.2	6.55	4 11/16	**10B62Q**	**Q2**	15-Web	7 3/4	3 1/2	3 1/2	3/4	4 1/8	3/4	2 3/4	9/32	27.5
6.0	6.4	6.75	4 7/8	**10B64Q**	**Q2**	15-Web	7 3/4	3 1/2	3 1/2	3/4	4 1/8	3/4	2 3/4	9/32	31.4
6.2	6.6	6.95	5 1/16	**10B66Q**	**Q2**	15-Web	7 3/4	3 1/2	3 1/2	3/4	4 1/8	3/4	2 3/4	9/32	32.5
6.4	6.8	7.15	5 1/4	**10B68Q**	**Q2**	15-Web	7 3/4	3 1/2	3 1/2	3/4	4 1/8	3/4	2 3/4	9/32	36.1
6.6	7.0	7.35	5 1/2	**10B70R**	**R2**	15-Web	7 3/4	4 7/8	1	1 7/8	5 3/8	7/8	4	9/32	34.0
7.0	7.4	7.75	5 7/8	**10B74R**	**R2**	15-Web	7 3/4	4 7/8	1	1 7/8	5 3/8	7/8	4	9/32	39.3
7.6	8.0	8.35	6 1/2	**10B80R**	**R2**	15-Web	7 3/4	4 7/8	1	1 7/8	5 3/8	7/8	4	9/32	48.5
8.2	8.6	8.95	7 1/16	**10B86R**	**R2**	15-Web	7 3/4	4 7/8	1	1 7/8	5 3/8	7/8	4	9/32	51.5
8.6	9.0	9.35	7 1/2	**10B90R**	**R2**	15-Web	7 3/4	4 7/8	1	1 7/8	5 3/8	7/8	4	9/32	52.3
9.0	9.4	9.75	7 7/8	**10B94R**	**R2**	15-Web	7 3/4	4 7/8	1	1 7/8	5 3/8	7/8	4	9/32	54.0
10.6	11.0	11.35	9 1/2	**10B110R**	**R2**	15-Arm	7 3/4	4 7/8	1	1 7/8	5 3/8	7/8	4	9/32	61.0
12.0	12.4	12.75	10 7/8	**10B124R**	**R2**	15-Arm	7 3/4	4 7/8	1	1 7/8	5 3/8	7/8	4	9/32	77.5
13.2	13.6	13.95	12 1/16	**10B136R**	**R2**	15-Arm	7 3/4	4 7/8	1	1 7/8	5 3/8	7/8	4	9/32	76.5
15.0	15.4	15.75	13 7/8	**10B154R**	**R2**	15-Arm	7 3/4	4 7/8	1	1 7/8	5 3/8	7/8	4	9/32	89.0
18.0	18.4	18.75	16 7/8	**10B184R**	**R2**	15-Arm	7 3/4	4 7/8	1	1 7/8	5 3/8	7/8	4	9/32	104
19.5	20.0	20.35	18 1/2	**10B200R**	**R2**	15-Arm	7 3/4	4 7/8	1	1 7/8	5 3/8	7/8	4	9/32	112
24.5	25.0	25.35	23 1/2	**10B250R**	**R2**	15-Arm	7 3/4	4 7/8	1	1 7/8	5 3/8	7/8	4	9/32	153
29.5	30.0	30.35	28 1/2	**10B300R**	**R2**	15-Arm	7 3/4	4 7/8	1	1 7/8	5 3/8	7/8	4	9/32	188
37.5	38.0	38.35	36 1/2	**10B380R**	**R2**	15-Arm	7 3/4	4 7/8	1	1 7/8	5 3/8	7/8	4	9/32	258
37.5	38.0	38.35	36 1/2	**10B380U**	**U0**	15-Arm	7 3/4	4 15/16	1 7/16	1 3/8	8 3/8	1 3/16	3 3/4	15/32	270



TYPE A



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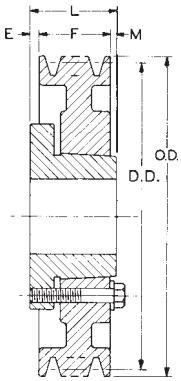

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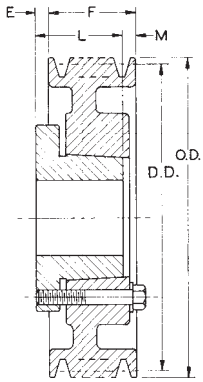

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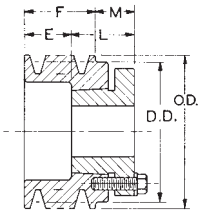


TYPE E

Standard Keyseats

Table No. 1

Bore Range	Keyseat
1/2" - 9/16"	1/8" x 1/16"
5/8 - 7/8	3/16 x 3/32
15/16 - 1 1/4	1/4 x 1/8
1 5/16 - 1 3/8	5/16 x 5/32
1 7/16 - 1 3/4	3/8 x 3/16
1 13/16 - 2 1/4	1/2 x 1/4
2 5/16 - 2 3/4	5/8 x 5/16
2 13/16 - 3 1/4	3/4 x 3/8
3 3/8 - 3 3/4	7/8 x 7/16

1 3/8" Bore Bushings also available with 3/8" x 3/16" Keyseat.

Table No. 2

Specifications

Part No.	Bushing	Bore Range	Type *	D. D. "B" Belts	D. D. "A" Belts	O.D.	E	L	M	Wt. Less Bushing
1 GROOVE, F = 7/8" (1B34SH - 1B70SDS) F = 1" (1B74SDS - 1B200SK)										
1B34SH	SH	1/2" - 1 5/8"	E-1	3.4"	3.0"	3.75"	7/32"	1 5/16"	21/32"	2.0
1B36SH	SH	1/2 - 1 5/8	D-1	3.6	3.2	3.95	19/32	1 5/16	5/32	2.2
1B38SH	SH	1/2 - 1 5/8	D-1	3.8	3.4	4.15	19/32	1 5/16	5/32	2.4
1B40SH	SH	1/2 - 1 5/8	C-1	4.0	3.6	4.35	11/32	1 5/16	3/32	2.7
1B42SH	SH	1/2 - 1 5/8	C-1	4.2	3.8	4.55	11/32	1 5/16	3/32	2.9
1B44SH	SH	1/2 - 1 5/8	C-1	4.4	4.0	4.75	11/32	1 5/16	3/32	3.4
1B46SDS	SDS	1/2 - 2	C-1	4.6	4.2	4.95	11/32	1 5/16	3/32	4.0
1B48SDS	SDS	1/2 - 2	C-1	4.8	4.4	5.15	11/32	1 5/16	3/32	4.3
1B50SDS	SDS	1/2 - 2	C-1	5.0	4.6	5.35	11/32	1 5/16	3/32	4.7
1B52SDS	SDS	1/2 - 2	C-1	5.2	4.8	5.55	11/32	1 5/16	3/32	5.0
1B54SDS	SDS	1/2 - 2	C-1	5.4	5.0	5.75	11/32	1 5/16	3/32	5.3
1B56SDS	SDS	1/2 - 2	C-1	5.6	5.2	5.95	11/32	1 5/16	3/32	5.6
1B58SDS	SDS	1/2 - 2	C-2	5.8	5.4	6.15	11/32	1 5/16	3/32	5.9
1B60SDS	SDS	1/2 - 2	C-2	6.0	5.6	6.35	11/32	1 5/16	3/32	6.2
1B62SDS	SDS	1/2 - 2	C-2	6.2	5.8	6.55	11/32	1 5/16	3/32	6.5
1B64SDS	SDS	1/2 - 2	C-2	6.4	6.0	6.75	11/32	1 5/16	3/32	6.8
1B66SDS	SDS	1/2 - 2	C-2	6.6	6.2	6.95	11/32	1 5/16	3/32	7.2
1B68SDS	SDS	1/2 - 2	C-3	6.8	6.4	7.15	11/32	1 5/16	3/32	7.5
1B70SDS	SDS	1/2 - 2	C-3	7.0	6.6	7.35	11/32	1 5/16	3/32	7.8
1B74SDS	SDS	1/2 - 2	D-3	7.4	7.0	7.75	17/32	1 5/16	7/32	8.8
1B80SDS	SDS	1/2 - 2	D-3	8.0	7.6	8.35	17/32	1 5/16	7/32	9.6
1B86SDS	SDS	1/2 - 2	D-3	8.6	8.2	8.95	17/32	1 5/16	7/32	10.0
1B94SDS	SDS	1/2 - 2	D-3	9.4	9.0	9.75	17/32	1 5/16	7/32	10.5
1B110SDS	SDS	1/2 - 2	D-3	11.0	10.6	11.35	17/32	1 5/16	7/32	11.0
1B124SDS	SDS	1/2 - 2	D-3	12.4	12.0	12.75	17/32	1 5/16	7/32	12.0
1B136SDS	SDS	1/2 - 2	D-3	13.6	13.2	13.95	17/32	1 5/16	7/32	14.0
1B154SK	SK	1/2 - 2 5/8	C-3	15.4	15.0	15.75	21/32	1 15/16	9/32	16.0
1B160SK	SK	1/2 - 2 5/8	C-3	16.0	15.6	16.35	21/32	1 15/16	9/32	16.6
1B184SK	SK	1/2 - 2 5/8	C-3	18.4	18.0	18.75	21/32	1 15/16	9/32	18.0
1B200SK	SK	1/2 - 2 5/8	C-3	20.0	19.6	20.35	21/32	1 15/16	9/32	20.0
2 GROOVES, F = 1 3/4"										
2B34SH	SH	1/2 - 1 5/8	E-1	3.4	3.0	3.75	1 3/32	1 5/16	21/32	3.2
2B36SH	SH	1/2 - 1 5/8	D-1	3.6	3.2	3.95	15/32	1 5/16	29/32	3.4
2B38SH	SH	1/2 - 1 5/8	D-1	3.8	3.4	4.15	15/32	1 5/16	29/32	3.9
2B40SH	SH	1/2 - 1 5/8	A-1	4.0	3.6	4.35	1/32	1 5/16	13/32	4.1
2B42SH	SH	1/2 - 1 5/8	A-1	4.2	3.8	4.55	1/32	1 5/16	13/32	4.4
2B44SH	SH	1/2 - 1 5/8	A-1	4.4	4.0	4.75	1/32	1 5/16	13/32	4.6
2B46SDS	SDS	1/2 - 2	A-1	4.6	4.2	4.95	1/32	1 5/16	13/32	5.0
2B48SDS	SDS	1/2 - 2	A-1	4.8	4.4	5.15	1/32	1 5/16	13/32	5.4
2B50SDS	SDS	1/2 - 2	A-1	5.0	4.6	5.35	1/32	1 5/16	13/32	6.0
2B52SDS	SDS	1/2 - 2	A-1	5.2	4.8	5.55	1/32	1 5/16	13/32	6.3
2B54SDS	SDS	1/2 - 2	A-1	5.4	5.0	5.75	1/32	1 5/16	13/32	6.6
2B56SDS	SDS	1/2 - 2	A-2	5.6	5.2	5.95	1/32	1 5/16	13/32	6.9
2B58SDS	SDS	1/2 - 2	A-2	5.8	5.4	6.15	1/32	1 5/16	13/32	7.2
2B60SDS	SDS	1/2 - 2	A-2	6.0	5.6	6.35	1/32	1 5/16	13/32	7.5
2B62SDS	SDS	1/2 - 2	A-2	6.2	5.8	6.55	1/32	1 5/16	13/32	7.8
2B64SDS	SDS	1/2 - 2	A-2	6.4	6.0	6.75	1/32	1 5/16	13/32	8.2
2B66SDS	SDS	1/2 - 2	A-2	6.6	6.2	6.95	1/32	1 5/16	13/32	8.6
2B68SDS	SDS	1/2 - 2	A-3	6.8	6.4	7.15	1/32	1 5/16	13/32	9.0
2B70SK	SK	1/2 - 2 5/8	D-1	7.0	6.6	7.35	11/32	1 15/16	5/32	9.3
2B74SK	SK	1/2 - 2 5/8	D-3	7.4	7.0	7.75	11/32	1 15/16	5/32	10.6

For optimum sheave selection, see B5V Stock Sheave Listing on Page A-11.

*** Suffix on Type indicates: 1 = Solid Construction; 2 = Web Construction, 3 = Arm Construction.**

For optimum sheave selection, see B5V Stock Sheave Listing on Page A-12.

Table No. 1

Specifications

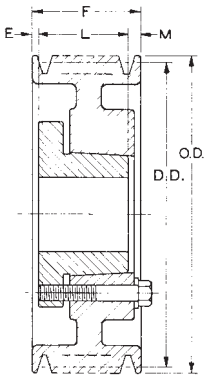
Part No.	Bushing	Bore Range	Type *	D. D. "B" Belts	D. D. "A" Belts	O.D.	E	L	M	Wt. Less Bushing
2 GROOVES (Cont.), F = 1 3/4"										
2B80SK	SK	1/2" - 2 5/8"	D-3	8.0"	7.6"	8.35"	11/32"	1 15/16"	5/32"	11.0
2B86SK	SK	1/2 - 2 5/8	D-3	8.6	8.2	8.95	11/32	1 15/16	5/32	11.6
2B94SK	SK	1/2 - 2 5/8	D-3	9.4	9.0	9.75	11/32	1 15/16	5/32	13.0
2B110SK	SK	1/2 - 2 5/8	D-3	11.0	10.6	11.35	11/32	1 15/16	5/32	14.0
2B124SK	SK	1/2 - 2 5/8	D-3	12.4	12.0	12.75	11/32	1 15/16	5/32	18.0
2B136SK	SK	1/2 - 2 5/8	D-3	13.6	13.2	13.95	11/32	1 15/16	5/32	20.0
2B154SK	SK	1/2 - 2 5/8	D-3	15.4	15.0	15.75	11/32	1 15/16	5/32	23.0
2B160SK	SK	1/2 - 2 5/8	D-3	16.0	15.6	16.35	11/32	1 15/16	5/32	24.0
2B184SK	SK	1/2 - 2 5/8	D-3	18.4	18.0	18.75	11/32	1 15/16	5/32	29.0
2B200SF	SF	1/2 - 2 15/16	D-3	20.0	19.6	20.35	15/32	2 1/16	5/32	33.0
2B250SF	SF	1/2 - 2 15/16	D-3	25.0	24.6	25.35	15/32	2 1/16	5/32	41.0
2B300SF	SF	1/2 - 2 15/16	D-3	30.0	29.6	30.35	15/32	2 1/16	5/32	51.0
2B380SF	SF	1/2 - 2 15/16	D-3	38.0	37.6	38.35	15/32	2 1/16	5/32	64.0
3 GROOVES, F = 2 1/2"										
3B34SH	SH	1/2 - 1 5/8	E-1	3.4	3.0	3.75	1 27/32	1 5/16	21/32	4.4
3B36SH	SH	1/2 - 1 5/8	D-1	3.6	3.2	3.95	15/32	1 5/16	1 21/32	4.7
3B38SH	SH	1/2 - 1 5/8	D-1	3.8	3.4	4.15	15/32	1 5/16	1 21/32	5.3
3B40SH	SH	1/2 - 1 5/8	D-1	4.0	3.6	4.35	15/32	1 5/16	1 21/32	5.6
3B42SH	SH	1/2 - 1 5/8	D-1	4.2	3.8	4.55	15/32	1 5/16	1 21/32	5.9
3B44SH	SH	1/2 - 1 5/8	D-1	4.4	4.0	4.75	15/32	1 5/16	1 21/32	6.3
3B46SD	SD	1/2 - 2	A-1	4.6	4.2	4.95	13/32	1 13/16	9/32	6.7
3B48SD	SD	1/2 - 2	A-1	4.8	4.4	5.15	13/32	1 13/16	9/32	7.1
3B50SD	SD	1/2 - 2	A-1	5.0	4.6	5.35	13/32	1 13/16	9/32	7.4
3B52SD	SD	1/2 - 2	A-1	5.2	4.8	5.55	13/32	1 13/16	9/32	7.8
3B54SD	SD	1/2 - 2	A-1	5.4	5.0	5.75	13/32	1 13/16	9/32	8.2
3B56SD	SD	1/2 - 2	A-1	5.6	5.2	5.95	13/32	1 13/16	9/32	8.5
3B58SD	SD	1/2 - 2	A-1	5.8	5.4	6.15	13/32	1 13/16	9/32	8.8
3B60SD	SD	1/2 - 2	A-1	6.0	5.6	6.35	13/32	1 13/16	9/32	9.1
3B62SD	SD	1/2 - 2	A-1	6.2	5.8	6.55	13/32	1 13/16	9/32	9.4
3B64SD	SD	1/2 - 2	A-1	6.4	6.0	6.75	13/32	1 13/16	9/32	9.7
3B66SD	SD	1/2 - 2	A-1	6.6	6.2	6.95	13/32	1 13/16	9/32	10.0
3B68SD	SD	1/2 - 2	B-3	6.8	6.4	7.15	13/32	1 13/16	9/32	10.5
3B70SK	SK	1/2 - 2 5/8	D-1	7.0	6.6	7.35	3/32	1 15/16	21/32	11.0
3B74SK	SK	1/2 - 2 5/8	D-3	7.4	7.0	7.75	3/32	1 15/16	21/32	12.0
3B80SK	SK	1/2 - 2 5/8	D-3	8.0	7.6	8.35	3/32	1 15/16	21/32	12.5
3B86SK	SK	1/2 - 2 5/8	D-3	8.6	8.2	8.95	3/32	1 15/16	21/32	13.0
3B94SK	SK	1/2 - 2 5/8	D-3	9.4	9.0	9.75	3/32	1 15/16	21/32	16.0
3B110SK	SK	1/2 - 2 5/8	D-3	11.0	10.6	11.35	3/32	1 15/16	21/32	19.0
3B124SK	SK	1/2 - 2 5/8	D-3	12.4	12.0	12.75	3/32	1 15/16	21/32	24.0
3B136SK	SK	1/2 - 2 5/8	D-3	13.6	13.2	13.95	3/32	1 15/16	21/32	27.0
3B154SK	SK	1/2 - 2 5/8	D-3	15.4	15.0	15.75	3/32	1 15/16	21/32	30.0
3B160SK	SK	1/2 - 2 5/8	D-3	16.0	15.6	16.35	3/32	1 15/16	21/32	33.0
3B184SK	SK	1/2 - 2 5/8	D-3	18.4	18.0	18.75	3/32	1 15/16	21/32	38.0
3B200SF	SF	1/2 - 2 15/16	D-3	20.0	19.6	20.35	7/32	2 1/16	21/32	43.0
3B250SF	SF	1/2 - 2 15/16	D-3	25.0	24.6	25.35	7/32	2 1/16	21/32	54.0
3B300SF	SF	1/2 - 2 15/16	D-3	30.0	29.6	30.35	7/32	2 1/16	21/32	67.0
3B380E	E	7/8 - 3 1/2	D-3	38.0	37.6	38.35	17/32	2 3/4	9/32	90.0
4 GROOVES, F = 3 1/4"										
4B34SD	SD	1/2 - 2	E-1	3.4	3.0	3.75	2 15/32	1 13/16	1 1/32	5.5
4B36SD	SD	1/2 - 2	E-1	3.6	3.2	3.95	2 15/32	1 13/16	1 1/32	5.8
4B38SD	SD	1/2 - 2	E-1	3.8	3.4	4.15	2 15/32	1 13/16	1 1/32	6.2
4B40SD	SD	1/2 - 2	E-1	4.0	3.6	4.35	2 3/32	1 13/16	21/32	6.6
4B42SD	SD	1/2 - 2	E-1	4.2	3.8	4.55	2 3/32	1 13/16	21/32	6.9
4B44SD	SD	1/2 - 2	E-1	4.4	4.0	4.75	2 3/32	1 13/16	21/32	7.2
4B46SD	SD	1/2 - 2	A-1	4.6	4.2	4.95	21/32	1 13/16	25/32	7.6
4B48SD	SD	1/2 - 2	A-1	4.8	4.4	5.15	21/32	1 13/16	25/32	8.0
4B50SD	SD	1/2 - 2	A-1	5.0	4.6	5.35	21/32	1 13/16	25/32	8.4
4B52SD	SD	1/2 - 2	A-1	5.2	4.8	5.55	21/32	1 13/16	25/32	8.8
4B54SD	SD	1/2 - 2	A-1	5.4	5.0	5.75	21/32	1 13/16	25/32	9.2
4B56SD	SD	1/2 - 2	A-1	5.6	5.2	5.95	21/32	1 13/16	25/32	9.6
4B58SD	SD	1/2 - 2	A-1	5.8	5.4	6.15	21/32	1 13/16	25/32	10.0
4B60SD	SD	1/2 - 2	A-1	6.0	5.6	6.35	21/32	1 13/16	25/32	10.4
4B62SD	SD	1/2 - 2	A-1	6.2	5.8	6.55	21/32	1 13/16	25/32	10.8
4B64SD	SD	1/2 - 2	A-1	6.4	6.0	6.75	21/32	1 13/16	25/32	12.0
4B66SD	SD	1/2 - 2	A-1	6.6	6.2	6.95	21/32	1 13/16	25/32	12.4
4B68SD	SD	1/2 - 2	A-3	6.8	6.4	7.15	21/32	1 13/16	25/32	13.0
4B70SK	SK	1/2 - 2 5/8	A-1	7.0	6.6	7.35	7/32	1 15/16	1 3/32	13.5
4B74SK	SK	1/2 - 2 5/8	A-3	7.4	7.0	7.75	7/32	1 15/16	1 3/32	14.0
4B80SK	SK	1/2 - 2 5/8	A-3	8.0	7.6	8.35	7/32	1 15/16	1 3/32	15.5
4B86SK	SK	1/2 - 2 5/8	A-3	8.6	8.2	8.95	7/32	1 15/16	1 3/32	17.0
4B94SK	SK	1/2 - 2 5/8	A-3	9.4	9.0	9.75	7/32	1 15/16	1 3/32	19.0
4B110SK	SK	1/2 - 2 5/8	A-3	11.0	10.6	11.35	7/32	1 15/16	1 3/32	22.0
4B124SK	SK	1/2 - 2 5/8	A-3	12.4	12.0	12.75	7/32	1 15/16	1 3/32	29.0
4B136SK	SK	1/2 - 2 5/8	A-3	13.6	13.2	13.95	7/32	1 15/16	1 3/32	34.0
4B154SF	SF	1/2 - 2 15/16	A-3	15.4	15.0	15.75	5/32	2 1/16	1 1/32	39.0
4B160SF	SF	1/2 - 2 15/16	A-3	16.0	15.6	16.35	5/32	2 1/16	1 1/32	42.0
4B184SF	SF	1/2 - 2 15/16	A-3	18.4	18.0	18.75	5/32	2 1/16	1 1/32	47.0
4B200SF	SF	1/2 - 2 15/16	A-3	20.0	19.6	20.35	5/32	2 1/16	1 1/32	51.0
4B250E	E	7/8 - 3 1/2	D-3	25.0	24.6	25.35	5/32	2 3/4	21/32	73.0
4B300E	E	7/8 - 3 1/2	D-3	30.0	29.6	30.35	5/32	2 3/4	21/32	86.0
4B380E	E	7/8 - 3 1/2	D-3	38.0	37.6	38.35	5/32	2 3/4	21/32	109

For optimum sheave selection, see B5V Stock Sheave Listing on Page A-12.

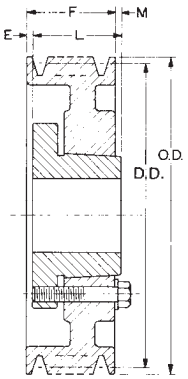
For optimum sheave selection, see B5V Stock Sheave Listing on Page A-13.

*** Suffix on Type indicates: 1 = Solid Construction, 2 = Web Construction, 3 = Arm Consruction.**

For optimum sheave selection, see B5V Stock Sheave Listing on Page A-14.



TYPE A



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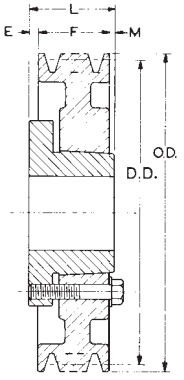

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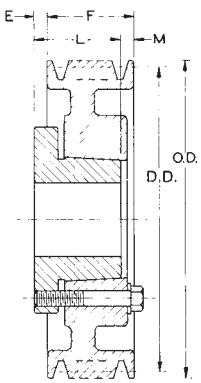

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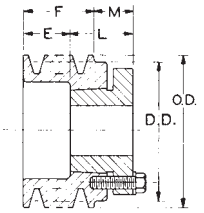


TYPE E

Standard Keyseats

Table No. 1

Bore Range	Keyseat
1/2" - 9/16"	1/8" x 1/16"
5/8 - 7/8	3/16 x 3/32
15/16 - 1 1/4	1/4 x 1/8
1 5/16 - 1 3/8	5/16 x 5/32
1 7/16 - 1 3/4	3/8 x 3/16
1 13/16 - 2 1/4	1/2 x 1/4
2 5/16 - 2 3/4	5/8 x 5/16
2 13/16 - 3 1/4	3/4 x 3/8
3 3/8 - 3 3/4	7/8 x 7/16
3 7/8 - 4 1/2	1 x 1/2

1 3/8" Bore bushings also available with 3/8" x 3/16" Keyseat.

Table No. 2

Specifications

Part No.	Bushing	Bore Range	Type *	D. D.		O.D.	E	L	M	Wt. Less Bushing
				"B" Belts	"A" Belts					
5 GROOVES, F = 4"										
5B34SD	SD	1/2" - 2"	E-1	3.4"	3.0"	3.75"	3 7/32"	1 13/16"	1 1/32"	6.1
5B36SD	SD	1/2 - 2	E-1	3.6	3.2	3.95	3 7/32	1 13/16	1 1/32	6.6
5B38SD	SD	1/2 - 2	E-1	3.8	3.4	4.15	3 7/32	1 13/16	1 1/32	7.1
5B40SD	SD	1/2 - 2	E-1	4.0	3.6	4.35	2 27/32	1 13/16	21/32	7.4
5B42SD	SD	1/2 - 2	E-1	4.2	3.8	4.55	2 27/32	1 13/16	21/32	8.0
5B44SD	SD	1/2 - 2	E-1	4.4	4.0	4.75	2 27/32	1 13/16	21/32	8.5
5B46SD	SD	1/2 - 2	A-1	4.6	4.2	4.95	21/32	1 13/16	1 17/32	9.0
5B48SD	SD	1/2 - 2	A-1	4.8	4.4	5.15	21/32	1 13/16	1 17/32	9.4
5B50SD	SD	1/2 - 2	A-1	5.0	4.6	5.35	21/32	1 13/16	1 17/32	10.0
5B52SD	SD	1/2 - 2	A-1	5.2	4.8	5.55	21/32	1 13/16	1 17/32	10.4
5B54SK	SK	1/2 - 2 5/8	A-1	5.4	5.0	5.75	17/32	1 15/16	1 17/32	10.8
5B56SK	SK	1/2 - 2 5/8	A-1	5.6	5.2	5.95	17/32	1 15/16	1 17/32	11.3
5B58SK	SK	1/2 - 2 5/8	A-1	5.8	5.4	6.15	17/32	1 15/16	1 17/32	12.0
5B60SK	SK	1/2 - 2 5/8	A-1	6.0	5.6	6.35	17/32	1 15/16	1 17/32	14.0
5B62SK	SK	1/2 - 2 5/8	A-1	6.2	5.8	6.55	17/32	1 15/16	1 17/32	15.0
5B64SK	SK	1/2 - 2 5/8	A-1	6.4	6.0	6.75	17/32	1 15/16	1 17/32	16.0
5B66SK	SK	1/2 - 2 5/8	A-1	6.6	6.2	6.95	17/32	1 15/16	1 17/32	17.0
5B68SK	SK	1/2 - 2 5/8	A-1	6.8	6.4	7.15	17/32	1 15/16	1 17/32	18.0
5B70SF	SF	1/2 - 2 15/16	A-1	7.0	6.6	7.35	15/32	2 1/16	1 15/32	19.0
5B74SF	SF	1/2 - 2 15/16	A-2	7.4	7.0	7.75	15/32	2 1/16	1 15/32	20.0
5B80SF	SF	1/2 - 2 15/16	A-2	8.0	7.6	8.35	15/32	2 1/16	1 15/32	21.0
5B86SF	SF	1/2 - 2 15/16	A-2	8.6	8.2	8.95	15/32	2 1/16	1 15/32	22.0
5B94SF	SF	1/2 - 2 15/16	A-3	9.4	9.0	9.75	15/32	2 1/16	1 15/32	24.0
5B110SF	SF	1/2 - 2 15/16	A-3	11.0	10.6	11.35	15/32	2 1/16	1 15/32	29.0
5B124SF	SF	1/2 - 2 15/16	A-3	12.4	12.0	12.75	15/32	2 1/16	1 15/32	34.0
5B136SF	SF	1/2 - 2 15/16	A-3	13.6	13.2	13.95	15/32	2 1/16	1 15/32	38.0
5B154SF	SF	1/2 - 2 15/16	A-3	15.4	15.0	15.75	15/32	2 1/16	1 15/32	46.0
5B160SF	SF	1/2 - 2 15/16	A-3	16.0	15.6	16.35	15/32	2 1/16	1 15/32	49.0
5B184SF	SF	1/2 - 2 15/16	A-3	18.4	18.0	18.75	15/32	2 1/16	1 15/32	55.0
5B200E	E	7/8 - 3 1/2	A-3	20.0	19.6	20.35	3/32	2 3/4	1 5/32	65.0
5B250E	E	7/8 - 3 1/2	A-3	25.0	24.6	25.35	3/32	2 3/4	1 5/32	86.0
5B300E	E	7/8 - 3 1/2	A-3	30.0	29.6	30.35	3/32	2 3/4	1 5/32	102
5B380E	E	7/8 - 3 1/2	A-3	38.0	37.6	38.35	3/32	2 3/4	1 5/32	132

*** Suffix on Type indicates: 1 = Solid Construction, 2 = Web Construction, 3 = Arm Construction**

Table No. 1

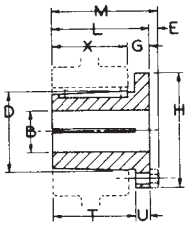
Specifications

Part No.	Bushing	Bore Range	Type *	D.D. "B" Belts	D.D. "A" Belts	O.D.	E	L	M	Wt. Less Bushing
6 GROOVES, F = 4 3/4"										
6B34SD	SD	1/2" - 2"	E-1	3.4"	3.0"	3.75"	3 31/32"	1 13/16"	1 1/32"	6.7
6B36SD	SD	1/2" - 2	E-1	3.6	3.2	3.95	3 31/32	1 13/16	1 1/32	7.4
6B38SD	SD	1/2" - 2	E-1	3.8	3.4	4.15	3 31/32	1 13/16	1 1/32	8.0
6B40SD	SD	1/2" - 2	E-1	4.0	3.6	4.35	3 19/32	1 13/16	2 1/32	8.4
6B42SD	SD	1/2" - 2	E-1	4.2	3.8	4.55	3 19/32	1 13/16	2 1/32	9.0
6B44SD	SD	1/2 - 2	E-1	4.4	4.0	4.75	3 19/32	1 13/16	2 1/32	9.7
6B46SD	SD	1/2 - 2	A-1	4.6	4.2	4.95	21/32	1 13/16	2 9/32	10.1
6B48SD	SD	1/2 - 2	A-1	4.8	4.4	5.15	21/32	1 13/16	2 9/32	10.6
6B50SD	SD	1/2 - 2	A-1	5.0	4.6	5.35	21/32	1 13/16	2 9/32	11.0
6B52SD	SD	1/2 - 2	A-1	5.2	4.8	5.55	21/32	1 13/16	2 9/32	12.0
6B54SK	SK	1/2 - 2 5/8	A-1	5.4	5.0	5.75	17/32	1 15/16	2 9/32	13.0
6B56SK	SK	1/2 - 2 5/8	A-1	5.6	5.2	5.95	17/32	1 15/16	2 9/32	14.0
6B58SK	SK	1/2 - 2 5/8	A-1	5.8	5.4	6.15	17/32	1 15/16	2 9/32	14.6
6B60SK	SK	1/2 - 2 5/8	A-1	6.0	5.6	6.35	17/32	1 15/16	2 9/32	15.0
6B62SK	SK	1/2 - 2 5/8	A-1	6.2	5.8	6.55	17/32	1 15/16	2 9/32	16.0
6B64SK	SK	1/2 - 2 5/8	A-1	6.4	6.0	6.75	17/32	1 15/16	2 9/32	17.0
6B66SK	SK	1/2 - 2 5/8	A-1	6.6	6.2	6.95	17/32	1 15/16	2 9/32	18.0
6B68SK	SK	1/2 - 2 5/8	A-1	6.8	6.4	7.15	17/32	1 15/16	2 9/32	19.0
6B70SF	SF	1/2 - 2 15/16	A-1	7.0	6.6	7.35	27/32	2 1/16	1 27/32	20.0
6B74SF	SF	1/2 - 2 15/16	A-1	7.4	7.4	7.75	27/32	2 1/16	1 27/32	22.0
6B80SF	SF	1/2 - 2 15/16	A-2	8.0	7.6	8.35	27/32	2 1/16	1 27/32	24.0
6B86SF	SF	1/2 - 2 15/16	A-2	8.6	8.2	8.95	27/32	2 1/16	1 27/32	26.0
6B94SF	SF	1/2 - 2 15/16	A-3	9.4	9.0	9.75	27/32	2 1/16	1 27/32	27.0
6B110SF	SF	1/2 - 2 15/16	A-3	11.0	10.6	11.35	27/32	2 1/16	1 27/32	32.0
6B124SF	SF	1/2 - 2 15/16	A-3	12.4	12.0	12.75	27/32	2 1/16	1 27/32	39.0
6B136SF	SF	1/2 - 2 15/16	A-3	13.6	13.2	13.95	27/32	2 1/16	1 27/32	44.0
6B154SF	SF	1/2 - 2 15/16	A-3	15.4	15.0	15.75	27/32	2 1/16	1 27/32	50.0
6B160SF	SF	1/2 - 2 15/16	A-3	16.0	15.6	16.35	27/32	2 1/16	1 27/32	54.0
6B184SF	SF	1/2 - 2 15/16	A-3	18.4	18.0	18.75	27/32	2 1/16	1 27/32	62.0
6B200E	E	7/8 - 3 1/2	A-3	20.0	19.6	20.35	7/32	2 3/4	1 25/32	74.0
6B250E	E	7/8 - 3 1/2	A-3	25.0	24.6	25.35	7/32	2 3/4	1 25/32	96.0
6B300E	E	7/8 - 3 1/2	A-3	30.0	29.6	30.35	7/32	2 3/4	1 25/32	119
6B380E	E	7/8 - 3 1/2	A-3	38.0	37.6	38.35	7/32	2 3/4	1 25/32	134
8 GROOVES, F = 6 1/4"										
8B54SK	SK	1/2 - 2 5/8	A-1	5.4	5.0	5.75	1 1/32	1 15/16	3 9/32	15
8B56SK	SK	1/2 - 2 5/8	A-1	5.6	5.2	5.95	1 1/32	1 15/16	3 9/32	16
8B60SF	SF	1/2 - 2 15/16	A-1	6.0	5.6	6.35	31/32	2 1/16	3 7/32	20
8B64SF	SF	1/2 - 2 15/16	A-1	6.4	6.0	6.75	31/32	2 1/16	3 7/32	23
8B68SF	SF	1/2 - 2 15/16	A-1	6.8	6.4	7.15	31/32	2 1/16	3 7/32	25
8B74SF	SF	1/2 - 2 15/16	A-1	7.4	7.0	7.75	31/32	2 1/16	3 7/32	28
8B86E	E	7/8 - 3 1/2	A-1	8.6	8.2	8.95	1 7/32	2 3/4	2 9/32	40
8B94E	E	7/8 - 3 1/2	A-2	9.4	9.0	9.75	1 7/32	2 3/4	2 9/32	43
8B110E	E	7/8 - 3 1/2	A-3	11.0	10.6	11.35	1 7/32	2 3/4	2 9/32	49
8B124E	E	7/8 - 3 1/2	A-3	12.4	12.0	12.75	1 7/32	2 3/4	2 9/32	56
8B154E	E	7/8 - 3 1/2	A-3	15.4	15.0	15.75	1 7/32	2 3/4	2 9/32	69
8B184F	F	1 - 4	D-3	18.4	18.0	18.75	1/32	3 3/4	2 17/32	91
8B200F	F	1 - 4	D-3	20.0	19.6	20.35	1/32	3 3/4	2 17/32	98
8B250F	F	1 - 4	D-3	25.0	24.6	25.35	1/32	3 3/4	2 17/32	121
8B300F	F	1 - 4	D-3	30.0	29.6	30.35	1/32	3 3/4	2 17/32	148
8B380F	F	1 - 4	D-3	38.0	37.6	38.35	1/32	3 3/4	2 17/32	194
10 GROOVES, F = 7 3/4"										
10B54SK	SK	1/2 - 2 5/8	A-1	5.4	5.0	5.75	1 25/32	1 15/16	4 1/32	18
10B56SK	SK	1/2 - 2 5/8	A-1	5.6	5.2	5.95	1 25/32	1 15/16	4 1/32	20
10B60SF	SF	1/2 - 2 15/16	A-1	6.0	5.6	6.35	1 23/32	2 1/16	3 31/32	24
10B64SF	SF	1/2 - 2 15/16	A-1	6.4	6.0	6.75	1 23/32	2 1/16	3 31/32	26
10B68SF	SF	1/2 - 2 15/16	A-1	6.8	6.4	7.15	1 23/32	2 1/16	3 31/32	28
10B74SF	SF	1/2 - 2 15/16	A-1	7.4	7.0	7.75	1 23/32	2 1/16	3 31/32	32
10B86E	E	7/8 - 3 1/2	A-1	8.6	8.2	8.95	1 31/32	2 3/4	3 1/32	42
10B94E	E	7/8 - 3 1/2	A-2	9.4	9.0	9.75	1 31/32	2 3/4	3 1/32	48
10B110E	E	7/8 - 3 1/2	A-3	11.0	10.6	11.35	1 31/32	2 3/4	3 1/32	56
10B124E	E	7/8 - 3 1/2	A-3	12.4	12.0	12.75	1 31/32	2 3/4	3 1/32	64
10B154F	F	1 - 4	A-3	15.4	15.0	15.75	5/8	3 3/4	3 9/32	88
10B184F	F	1 - 4	A-3	18.4	18.0	18.75	5/8	3 3/4	3 9/32	103
10B200F	F	1 - 4	A-3	20.0	19.6	20.35	5/8	3 3/4	3 9/32	112
10B250F	F	1 - 4	A-3	25.0	24.6	25.35	5/8	3 3/4	3 9/32	142
10B300F	F	1 - 4	A-3	30.0	29.6	30.35	5/8	3 3/4	3 9/32	174
10B380J	J	1 1/2 - 4 1/2	A-3	38.0	37.6	38.35	1/8	4 5/8	3	230

***Suffix on Type indicates: 1 = Solid Construction, 2 = Web Construction, 3 = Arm Construction.**

A

For Use with All "C" Section Belts



Standard Keyseats

Table No. 1

Bore Range	Keyseat
3/4" — 7/8"	3/16" x 3/32"
15/16 — 1 1/4	1/4 x 1/8
1 5/16 — 1 3/8	5/16 x 5/32
1 7/16 — 1 3/4	3/8 x 3/16
1 13/16 — 2 1/4	1/2 x 1/4
2 5/16 — 2 11/16	5/8 x 5/16

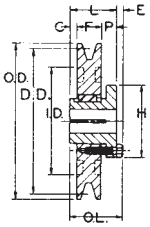
1 3/8" Bore Bushings also available with 3/8" x 3/16" Keyseat.

Close Grain Cast Iron
◆
Accurately Machined
◆
Statically Balanced

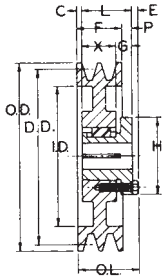
Bushing Dimensions

Table No. 2

Part No.	Dimensions									Bore Range	Wt. Lbs..
	M	L	G	X	E	T	U	D	H		
Q1	2 25/32"	2 1/2"	3/4"	1 3/4"	9/32"	1 31/32"	17/32"	2 7/8"	4 1/8"	3/4" — 2 11/16"	3 1/2



TYPE 10



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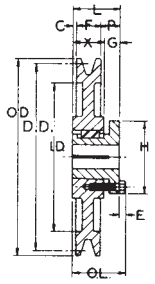


TYPE 16

Specifications — Stock "TC" Sheaves

Table No. 3

DIAMETERS			1 GROOVE, F = 1 1/4"											
			Part Number			DIMENSIONS								Wt.
Datum "C"	Outside	Inside	Sheave	Bush-ing	Type	O.L.	L	P	C	H	G	X	E	Less Bush.
7.0"	7.40"	—	**1TC70**	**Q1**	10-Sol.	2 25/32"	2 1/2"	3/4"	1/2"	4 1/8"	—	—	9/32"	9.3
7.2	7.60	—	**1TC72**	**Q1**	10-Web.	2 25/32	2 1/2	3/4	1/2	4 1/8	—	—	9/32	10.1
7.4	7.80	—	**1TC74**	**Q1**	10-Web.	2 25/32	2 1/2	3/4	1/2	4 1/8	—	—	9/32	10.8
7.6	8.00	—	**1TC76**	**Q1**	10-Web.	2 25/32	2 1/2	3/4	1/2	4 1/8	—	—	9/32	11.4
7.8	8.20	6"	**1TC78**	**Q1**	10-Web.	2 25/32	2 1/2	3/4	1/2	4 1/8	—	—	9/32	9.8
8.0	8.40	6 1/4	**1TC80**	**Q1**	10-Web.	2 25/32	2 1/2	3/4	1/2	4 1/8	—	—	9/32	9.9
8.2	8.60	6 7/16	**1TC82**	**Q1**	10-Web.	2 25/32	2 1/2	3/4	1/2	4 1/8	—	—	9/32	10.1
8.4	8.80	6 5/8	**1TC84**	**Q1**	10-Web.	2 25/32	2 1/2	3/4	1/2	4 1/8	—	—	9/32	11.0
8.6	9.00	6 13/16	**1TC86**	**Q1**	10-Web.	2 25/32	2 1/2	3/4	1/2	4 1/8	—	—	9/32	10.6
8.8	9.20	7	**1TC88**	**Q1**	10-Web.	2 25/32	2 1/2	3/4	1/2	4 1/8	—	—	9/32	11.6
9.0	9.40	7 1/4	**1TC90**	**Q1**	10-Web.	2 25/32	2 1/2	3/4	1/2	4 1/8	—	—	9/32	11.4
9.2	9.60	7 7/16	**1TC92**	**Q1**	10-Web.	2 25/32	2 1/2	3/4	1/2	4 1/8	—	—	9/32	12.6
9.4	9.80	7 5/8	**1TC94**	**Q1**	16-Arm	2 25/32	2 1/2	1	1/4	4 1/8	3/4"	1 3/4"	9/32	14.8
9.6	10.00	7 13/16	**1TC96**	**Q1**	16-Arm	2 25/32	2 1/2	1	1/4	4 1/8	3/4	1 3/4	9/32	15.8
9.8	10.20	8	**1TC98**	**Q1**	16-Arm	2 25/32	2 1/2	1	1/4	4 1/8	3/4	1 3/4	9/32	15.9
10.0	10.40	8 1/4	**1TC100**	**Q1**	16-Arm	2 25/32	2 1/2	1	1/4	4 1/8	3/4	1 3/4	9/32	16.8
10.2	10.60	8 7/16	**1TC102**	**Q1**	16-Arm	2 25/32	2 1/2	1	1/4	4 1/8	3/4	1 3/4	9/32	16.1
10.6	11.00	8 13/16	**1TC106**	**Q1**	16-Arm	2 25/32	2 1/2	1	1/4	4 1/8	3/4	1 3/4	9/32	17.3
11.0	11.40	9 1/4	**1TC110**	**Q1**	16-Arm	2 25/32	2 1/2	1	1/4	4 1/8	3/4	1 3/4	9/32	17.5
11.4	11.80	9 5/8	**1TC114**	**Q1**	16-Arm	2 25/32	2 1/2	1	1/4	4 1/8	3/4	1 3/4	9/32	18.6
12.0	12.40	10 1/4	**1TC120**	**Q1**	16-Arm	2 25/32	2 1/2	1	1/4	4 1/8	3/4	1 3/4	9/32	19.5
13.0	13.40	11 1/4	**1TC130**	**Q1**	16-Arm	2 25/32	2 1/2	1	1/4	4 1/8	3/4	1 3/4	9/32	22.8
16.0	16.40	14 1/4	**1TC160**	**Q1**	16-Arm	2 25/32	2 1/2	1	1/4	4 1/8	3/4	1 3/4	9/32	28.5
20.0	20.40	18 1/4	**1TC200**	**Q1**	16-Arm	2 25/32	2 1/2	1	1/4	4 1/8	3/4	1 3/4	9/32	37.8
24.0	24.40	22 1/4	**1TC240**	**Q1**	16-Arm	2 25/32	2 1/2	1	1/4	4 1/8	3/4	1 3/4	9/32	49.5

For Use with All "C" Section Belts

Specifications — Stock "TC" Sheaves

Table No. 1

DIAMETERS			2 GROOVES, F = 2 1/4"											
Datum "C"	Outside	Inside	Part Number		Type	DIMENSIONS								Wt. Less Bush.
			Sheave	Bushing		O.L.	L	P	C	H	G	X	E	
7.0"	7.40"	5 1/4"	**2TC70**	**Q1**	13-Web	3 1/32"	2 1/2"	1/2"	1/4"	4 1/8"	3/4"	1 3/4"	9/32"	14.0
7.2	7.60	5 7/16	**2TC72**	**Q1**	13-Web	3 1/32	2 1/2	1/2	1/4	4 1/8	3/4	1 3/4	9/32	15.4
7.4	7.80	5 5/8	**2TC74**	**Q1**	13-Web	3 1/32	2 1/2	1/2	1/4	4 1/8	3/4	1 3/4	9/32	16.6
7.6	8.00	5 13/16	**2TC76**	**Q1**	13-Web	3 1/32	2 1/2	1/2	1/4	4 1/8	3/4	1 3/4	9/32	17.6
7.8	8.20	6	**2TC78**	**Q1**	13-Web	3 1/32	2 1/2	1/2	1/4	4 1/8	3/4	1 3/4	9/32	14.1
8.0	8.40	6 1/4	**2TC80**	**Q1**	13-Web	3 1/32	2 1/2	1/2	1/4	4 1/8	3/4	1 3/4	9/32	14.3
8.2	8.60	6 7/16	**2TC82**	**Q1**	13-Web	3 1/32	2 1/2	1/2	1/4	4 1/8	3/4	1 3/4	9/32	14.8
8.4	8.80	6 5/8	**2TC84**	**Q1**	13-Web	3 1/32	2 1/2	1/2	1/4	4 1/8	3/4	1 3/4	9/32	16.4
8.6	9.00	6 13/16	**2TC86**	**Q1**	13-Web	3 1/32	2 1/2	1/2	1/4	4 1/8	3/4	1 3/4	9/32	16.1
8.8	9.20	7	**2TC88**	**Q1**	13-Web	3 1/32	2 1/2	1/2	1/4	4 1/8	3/4	1 3/4	9/32	17.1
9.0	9.40	7 1/4	**2TC90**	**Q1**	13-Web	3 1/32	2 1/2	1/2	1/4	4 1/8	3/4	1 3/4	9/32	16.8
9.2	9.60	7 7/16	**2TC92**	**Q1**	13-Web	3 1/32	2 1/2	1/2	1/4	4 1/8	3/4	1 3/4	9/32	18.4
9.4	9.80	7 5/8	**2TC94**	**Q1**	13-Arm	3 1/32	2 1/2	1/2	1/4	4 1/8	3/4	1 3/4	9/32	19.1
9.6	10.00	7 13/16	**2TC96**	**Q1**	13-Arm	3 1/32	2 1/2	1/2	1/4	4 1/8	3/4	1 3/4	9/32	20.6
9.8	10.20	8	**2TC98**	**Q1**	13-Arm	3 1/32	2 1/2	1/2	1/4	4 1/8	3/4	1 3/4	9/32	19.5
10.0	10.40	8 1/4	**2TC100**	**Q1**	13-Arm	3 1/32	2 1/2	1/2	1/4	4 1/8	3/4	1 3/4	9/32	22.0
10.2	10.60	8 7/16	**2TC102**	**Q1**	13-Arm	3 1/32	2 1/2	1/2	1/4	4 1/8	3/4	1 3/4	9/32	21.3
10.6	11.00	8 13/16	**2TC106**	**Q1**	13-Arm	3 1/32	2 1/2	1/2	1/4	4 1/8	3/4	1 3/4	9/32	22.4
11.0	11.40	9 1/4	**2TC110**	**Q1**	13-Arm	3 1/32	2 1/2	1/2	1/4	4 1/8	3/4	1 3/4	9/32	22.4
11.4	11.80	9 5/8	**2TC114**	**Q1**	13-Arm	3 1/32	2 1/2	1/2	1/4	4 1/8	3/4	1 3/4	9/32	23.5
12.0	12.40	10 1/4	**2TC120**	**Q1**	13-Arm	3 1/32	2 1/2	1/2	1/4	4 1/8	3/4	1 3/4	9/32	24.9
13.0	13.40	11 1/4	**2TC130**	**Q1**	13-Arm	3 1/32	2 1/2	1/2	1/4	4 1/8	3/4	1 3/4	9/32	28.6
16.0	16.40	14 1/4	**2TC160**	**Q1**	13-Arm	3 1/32	2 1/2	1/2	1/4	4 1/8	3/4	1 3/4	9/32	36.0
20.0	20.40	18 1/4	**2TC200**	**Q1**	13-Arm	3 1/32	2 1/2	1/2	1/4	4 1/8	3/4	1 3/4	9/32	46.0
24.0	24.40	22 1/4	**2TC240**	**Q1**	13-Arm	3 1/32	2 1/2	1/2	1/4	4 1/8	3/4	1 3/4	9/32	59.5

For Sheaves with larger bores, see Page A-51.

Specifications — Stock "TC" Sheaves

Table No. 2

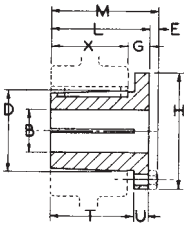
DIAMETERS			3 GROOVES, F = 3 1/4"											
Datum "C"	Outside	Inside	Part Number		Type	DIMENSIONS								Wt. Less Bush.
			Sheave	Bushing		O.L.	L	P	C	H	G	X	E	
7.0"	7.40"	5 1/4"	**3TC70**	**Q1**	13-Web	3 17/32"	2 1/2"	0	3/4"	4 1/8"	3/4"	1 3/4"	9/32"	16.8
7.2	7.60	5 7/16	**3TC72**	**Q1**	13-Web	3 17/32	2 1/2	0	3/4	4 1/8	3/4	1 3/4	9/32	18.0
7.4	7.80	5 5/8	**3TC74**	**Q1**	13-Web	3 17/32	2 1/2	0	3/4	4 1/8	3/4	1 3/4	9/32	19.1
7.6	8.00	5 13/16	**3TC76**	**Q1**	13-Web	3 17/32	2 1/2	0	3/4	4 1/8	3/4	1 3/4	9/32	21.3
7.8	8.20	6	**3TC78**	**Q1**	13-Web	3 17/32	2 1/2	0	3/4	4 1/8	3/4	1 3/4	9/32	17.4
8.0	8.40	6 1/4	**3TC80**	**Q1**	13-Web	3 17/32	2 1/2	0	3/4	4 1/8	3/4	1 3/4	9/32	17.8
8.2	8.60	6 7/16	**3TC82**	**Q1**	13-Web	3 17/32	2 1/2	0	3/4	4 1/8	3/4	1 3/4	9/32	17.9
8.4	8.80	6 5/8	**3TC84**	**Q1**	13-Web	3 17/32	2 1/2	0	3/4	4 1/8	3/4	1 3/4	9/32	20.4
8.6	9.00	6 13/16	**3TC86**	**Q1**	13-Web	3 17/32	2 1/2	0	3/4	4 1/8	3/4	1 3/4	9/32	19.5
8.8	9.20	7	**3TC88**	**Q1**	13-Web	3 17/32	2 1/2	0	3/4	4 1/8	3/4	1 3/4	9/32	22.5
9.0	9.40	7 1/4	**3TC90**	**Q1**	13-Web	3 17/32	2 1/2	0	3/4	4 1/8	3/4	1 3/4	9/32	20.4
9.2	9.60	7 7/16	**3TC92**	**Q1**	13-Web	3 17/32	2 1/2	0	3/4	4 1/8	3/4	1 3/4	9/32	22.8
9.4	9.80	7 5/8	**3TC94**	**Q1**	13-Arm	3 17/32	2 1/2	0	3/4	4 1/8	3/4	1 3/4	9/32	23.0
9.6	10.00	7 13/16	**3TC96**	**Q1**	13-Arm	3 17/32	2 1/2	0	3/4	4 1/8	3/4	1 3/4	9/32	25.3
9.8	10.20	8	**3TC98**	**Q1**	13-Arm	3 17/32	2 1/2	0	3/4	4 1/8	3/4	1 3/4	9/32	24.4
10.0	10.40	8 1/4	**3TC100**	**Q1**	13-Arm	3 17/32	2 1/2	0	3/4	4 1/8	3/4	1 3/4	9/32	27.6
10.2	10.60	8 7/16	**3TC102**	**Q1**	13-Arm	3 17/32	2 1/2	0	3/4	4 1/8	3/4	1 3/4	9/32	24.9
10.6	11.00	8 13/16	**3TC106**	**Q1**	13-Arm	3 17/32	2 1/2	0	3/4	4 1/8	3/4	1 3/4	9/32	26.9
11.0	11.40	9 1/4	**3TC110**	**Q1**	13-Arm	3 17/32	2 1/2	0	3/4	4 1/8	3/4	1 3/4	9/32	27.4
11.4	11.80	9 5/8	**3TC114**	**Q1**	13-Arm	3 17/32	2 1/2	0	3/4	4 1/8	3/4	1 3/4	9/32	28.3
12.0	12.40	10 1/4	**3TC120**	**Q1**	13-Arm	3 17/32	2 1/2	0	3/4	4 1/8	3/4	1 3/4	9/32	30.3
13.0	13.40	11 1/4	**3TC130**	**Q1**	13-Arm	3 17/32	2 1/2	0	3/4	4 1/8	3/4	1 3/4	9/32	34.9
16.0	16.40	14 1/4	**3TC160**	**Q1**	13-Arm	3 17/32	2 1/2	0	3/4	4 1/8	3/4	1 3/4	9/32	46.0
20.0	20.40	18 1/4	**3TC200**	**Q1**	13-Arm	3 17/32	2 1/2	0	3/4	4 1/8	3/4	1 3/4	9/32	54.5
24.0	24.40	22 1/4	**3TC240**	**Q1**	13-Arm	3 17/32	2 1/2	0	3/4	4 1/8	3/4	1 3/4	9/32	71.0

For Sheaves with larger bores, see Page A-51.

A

For Use with All "C" Section Belts

Close Grain Cast Iron
◆
Statically Balanced
◆
Accurately Machined



Standard Keyseats

Table No. 1

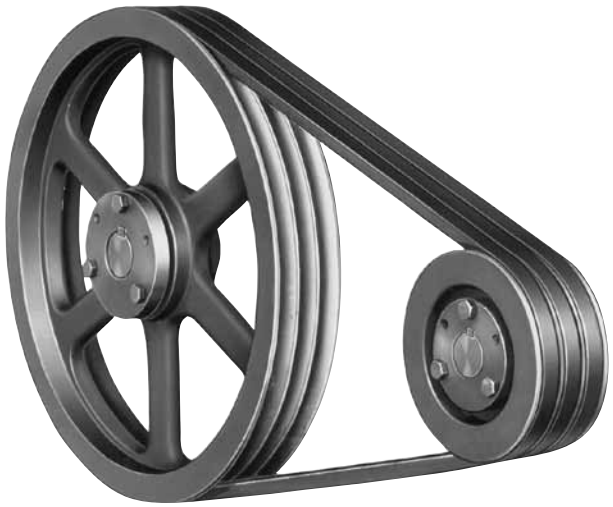
Bore Range	Keyseat
1" - 1 1/4"	1/4" x 1/8"
1 5/16 - 1 3/8	5/16 x 5/32
1 7/16 - 1 3/4	3/8 x 3/16
1 13/16 - 2 1/4	1/2 x 1/4
2 5/16 - 2 5/8	5/8 x 5/16

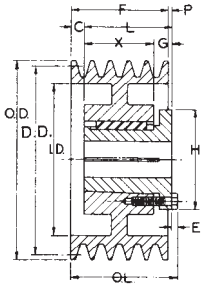
1 3/8" Bore Bushings also available with 3/8" x 3/16" Keyseat

Bushing Dimensions

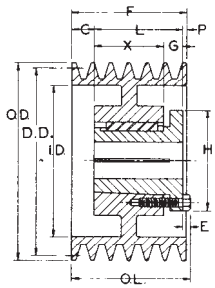
Table No. 2

Part No.	DIMENSIONS									Bore Range	Wt. Lbs.
	M	L	G	X	E	T	U	D	H		
Q2	3 25/32"	3 1/2"	3/4"	2 3/4"	9/32"	2 31/32"	17/32"	2 7/8"	4 1/8"	1" - 2 5/8"	4 1/2





Type 13



Type 15

Specifications — Stock "TC" Sheaves

Table No. 3

DIAMETERS			4 GROOVES, F = 4 1/4"											Wt. Less Bush.
Datum "C"	Outside	Inside	Part Number		Type	DIMENSIONS								
			Sheave	Bushing		O.L.	L	P	C	H	G	X	E	
7.0"	7.40"	5 1/4"	**4TC70**	**Q2**	13-Web	4 17/32"	3 1/2"	0	3/4"	4 1/8"	3/4"	2 3/4"	9/32"	23.8
7.2	7.60	5 7/16	**4TC72**	**Q2**	13-Web	4 17/32	3 1/2	0	3/4	4 1/8	3/4	2 3/4	9/32	26.8
7.4	7.80	5 5/8	**4TC74**	**Q2**	13-Web	4 17/32	3 1/2	0	3/4	4 1/8	3/4	2 3/4	9/32	27.5
7.6	8.00	5 13/16	**4TC76**	**Q2**	13-Web	4 17/32	3 1/2	0	3/4	4 1/8	3/4	2 3/4	9/32	30.3
7.8	8.20	6	**4TC78**	**Q2**	13-Web	4 17/32	3 1/2	0	3/4	4 1/8	3/4	2 3/4	9/32	26.4
8.0	8.40	6 1/4	**4TC80**	**Q2**	13-Web	4 17/32	3 1/2	0	3/4	4 1/8	3/4	2 3/4	9/32	29.0
8.2	8.60	6 7/16	**4TC82**	**Q2**	13-Web	4 17/32	3 1/2	0	3/4	4 1/8	3/4	2 3/4	9/32	26.8
8.4	8.80	6 5/8	**4TC84**	**Q2**	13-Web	4 17/32	3 1/2	0	3/4	4 1/8	3/4	2 3/4	9/32	28.8
8.6	9.00	6 13/16	**4TC86**	**Q2**	13-Web	4 17/32	3 1/2	0	3/4	4 1/8	3/4	2 3/4	9/32	27.9
8.8	9.20	7	**4TC88**	**Q2**	13-Web	4 17/32	3 1/2	0	3/4	4 1/8	3/4	2 3/4	9/32	31.6
9.0	9.40	7 1/4	**4TC90**	**Q2**	13-Web	4 17/32	3 1/2	0	3/4	4 1/8	3/4	2 3/4	9/32	28.4
9.2	9.60	7 7/16	**4TC92**	**Q2**	13-Web	4 17/32	3 1/2	0	3/4	4 1/8	3/4	2 3/4	9/32	32.3
9.4	9.80	7 5/8	**4TC94**	**Q2**	13-Arm	4 17/32	3 1/2	0	3/4	4 1/8	3/4	2 3/4	9/32	31.8
9.6	10.00	7 13/16	**4TC96**	**Q2**	13-Arm	4 17/32	3 1/2	0	3/4	4 1/8	3/4	2 3/4	9/32	35.2
9.8	10.20	8	**4TC98**	**Q2**	13-Arm	4 17/32	3 1/2	0	3/4	4 1/8	3/4	2 3/4	9/32	33.0
10.0	10.40	8 1/4	**4TC100**	**Q2**	13-Arm	4 17/32	3 1/2	0	3/4	4 1/8	3/4	2 3/4	9/32	37.0
10.2	10.60	8 7/16	**4TC102**	**Q2**	13-Arm	4 17/32	3 1/2	0	3/4	4 1/8	3/4	2 3/4	9/32	33.5
10.6	11.00	8 13/16	**4TC106**	**Q2**	13-Arm	4 17/32	3 1/2	0	3/4	4 1/8	3/4	2 3/4	9/32	36.3
11.0	11.40	9 1/4	**4TC110**	**Q2**	13-Arm	4 17/32	3 1/2	0	3/4	4 1/8	3/4	2 3/4	9/32	36.3
11.4	11.80	9 5/8	**4TC114**	**Q2**	13-Arm	4 17/32	3 1/2	0	3/4	4 1/8	3/4	2 3/4	9/32	38.4
12.0	12.40	10 1/4	**4TC120**	**Q2**	13-Arm	4 17/32	3 1/2	0	3/4	4 1/8	3/4	2 3/4	9/32	40.5
13.0	13.40	11 1/4	**4TC130**	**Q2**	13-Arm	4 17/32	3 1/2	0	3/4	4 1/8	3/4	2 3/4	9/32	43.6
16.0	16.40	14 1/4	**4TC160**	**Q2**	13-Arm	4 17/32	3 1/2	0	3/4	4 1/8	3/4	2 3/4	9/32	56.0
20.0	20.40	18 1/4	**4TC200**	**Q2**	13-Arm	4 17/32	3 1/2	0	3/4	4 1/8	3/4	2 3/4	9/32	72.0
24.0	24.40	22 1/4	**4TC240**	**Q2**	13-Arm	4 17/32	3 1/2	0	3/4	4 1/8	3/4	2 3/4	9/32	85.3

For sheaves with larger bores, see Page A-51.

For Use with All "C" Section Belts

Table No. 1

Specifications — Stock "TC" Sheaves

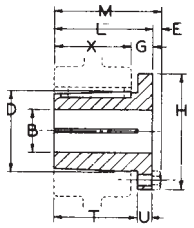
DIAMETERS			5 GROOVES, F = 5 1/4"											
Datum "C"	Outside	Inside	Part Number		Type	DIMENSIONS								Wt. Less Bush.
			Sheave	Bushing		O.L.	L	P	C	H	G	X	E	
7.0"	7.40"	5 1/4"	**5TC70**	**Q2**	15-Web	5 1/4"	3 1/2"	1/2"	1 1/4"	4 1/8"	3/4"	2 3/4"	9/32"	27.5
7.2	7.60	5 7/16	**5TC72**	**Q2**	15-Web	5 1/4	3 1/2	1/2	1 1/4	4 1/8	3/4	2 3/4	9/32	29.8
7.4	7.80	5 5/8	**5TC74**	**Q2**	15-Web	5 1/4	3 1/2	1/2	1 1/4	4 1/8	3/4	2 3/4	9/32	31.0
7.6	8.00	5 13/16	**5TC76**	**Q2**	15-Web	5 1/4	3 1/2	1/2	1 1/4	4 1/8	3/4	2 3/4	9/32	34.3
7.8	8.20	6	**5TC78**	**Q2**	15-Web	5 1/4	3 1/2	1/2	1 1/4	4 1/8	3/4	2 3/4	9/32	30.0
8.0	8.40	6 1/4	**5TC80**	**Q2**	15-Web	5 1/4	3 1/2	1/2	1 1/4	4 1/8	3/4	2 3/4	9/32	33.4
8.2	8.60	6 7/16	**5TC82**	**Q2**	15-Web	5 1/4	3 1/2	1/2	1 1/4	4 1/8	3/4	2 3/4	9/32	30.3
8.4	8.80	6 5/8	**5TC84**	**Q2**	15-Web	5 1/4	3 1/2	1/2	1 1/4	4 1/8	3/4	2 3/4	9/32	32.8
8.6	9.00	6 13/16	**5TC86**	**Q2**	15-Web	5 1/4	3 1/2	1/2	1 1/4	4 1/8	3/4	2 3/4	9/32	31.0
8.8	9.20	7	**5TC88**	**Q2**	15-Web	5 1/4	3 1/2	1/2	1 1/4	4 1/8	3/4	2 3/4	9/32	34.9
9.0	9.40	7 1/4	**5TC90**	**Q2**	15-Web	5 1/4	3 1/2	1/2	1 1/4	4 1/8	3/4	2 3/4	9/32	32.6
9.2	9.60	7 7/16	**5TC92**	**Q2**	15-Web	5 1/4	3 1/2	1/2	1 1/4	4 1/8	3/4	2 3/4	9/32	36.4
9.4	9.80	7 5/8	**5TC94**	**Q2**	15-Arm	5 1/4	3 1/2	1/2	1 1/4	4 1/8	3/4	2 3/4	9/32	35.6
9.6	10.00	7 13/16	**5TC96**	**Q2**	15-Arm	5 1/4	3 1/2	1/2	1 1/4	4 1/8	3/4	2 3/4	9/32	39.1
9.8	10.20	8	**5TC98**	**Q2**	15-Arm	5 1/4	3 1/2	1/2	1 1/4	4 1/8	3/4	2 3/4	9/32	37.3
10.0	10.40	8 1/4	**5TC100**	**Q2**	15-Arm	5 1/4	3 1/2	1/2	1 1/4	4 1/8	3/4	2 3/4	9/32	42.3
10.2	10.60	8 7/16	**5TC102**	**Q2**	15-Arm	5 1/4	3 1/2	1/2	1 1/4	4 1/8	3/4	2 3/4	9/32	39.4
10.6	11.00	8 13/16	**5TC106**	**Q2**	15-Arm	5 1/4	3 1/2	1/2	1 1/4	4 1/8	3/4	2 3/4	9/32	41.0
11.0	11.40	9 1/4	**5TC110**	**Q2**	15-Arm	5 1/4	3 1/2	1/2	1 1/4	4 1/8	3/4	2 3/4	9/32	42.4
11.4	11.80	9 5/8	**5TC114**	**Q2**	15-Arm	5 1/4	3 1/2	1/2	1 1/4	4 1/8	3/4	2 3/4	9/32	42.8
12.0	12.40	10 1/4	**5TC120**	**Q2**	15-Arm	5 1/4	3 1/2	1/2	1 1/4	4 1/8	3/4	2 3/4	9/32	46.3
13.0	13.40	11 1/4	**5TC130**	**Q2**	15-Arm	5 1/4	3 1/2	1/2	1 1/4	4 1/8	3/4	2 3/4	9/32	49.5
16.0	16.40	14 1/4	**5TC160**	**Q2**	15-Arm	5 1/4	3 1/2	1/2	1 1/4	4 1/8	3/4	2 3/4	9/32	64.5
20.0	20.40	18 1/4	**5TC200**	**Q2**	15-Arm	5 1/4	3 1/2	1/2	1 1/4	4 1/8	3/4	2 3/4	9/32	78.0
24.0	24.40	22 1/4	**5TC240**	**Q2**	15-Arm	5 1/4	3 1/2	1/2	1 1/4	4 1/8	3/4	2 3/4	9/32	96.0

For sheaves with larger bores, see Page A-52.

Table No. 2

DIAMETERS			6 GROOVES, F = 6 1/4"											
Datum "C"	Outside	Inside	Part Number		Type	DIMENSIONS								Wt. Less Bush.
			Sheave	Bushing		O.L.	L	P	C	H	G	X	E	
7.0"	7.40"	5 1/4"	**6TC70**	**Q2**	15-Web	6 1/4"	3 1/2"	1"	1 3/4"	4 1/8"	3/4"	2 3/4"	9/32"	29.9
7.2	7.60	5 7/16	**6TC72**	**Q2**	15-Web	6 1/4	3 1/2	1	1 3/4	4 1/8	3/4	2 3/4	9/32	33.6
7.4	7.80	5 5/8	**6TC74**	**Q2**	15-Web	6 1/4	3 1/2	1	1 3/4	4 1/8	3/4	2 3/4	9/32	33.3
7.6	8.00	5 13/16	**6TC76**	**Q2**	15-Web	6 1/4	3 1/2	1	1 3/4	4 1/8	3/4	2 3/4	9/32	37.9
7.8	8.20	6	**6TC78**	**Q2**	15-Web	6 1/4	3 1/2	1	1 3/4	4 1/8	3/4	2 3/4	9/32	33.5
8.0	8.40	6 1/4	**6TC80**	**Q2**	15-Web	6 1/4	3 1/2	1	1 3/4	4 1/8	3/4	2 3/4	9/32	37.6
8.2	8.60	6 7/16	**6TC82**	**Q2**	15-Web	6 1/4	3 1/2	1	1 3/4	4 1/8	3/4	2 3/4	9/32	34.0
8.4	8.80	6 5/8	**6TC84**	**Q2**	15-Web	6 1/4	3 1/2	1	1 3/4	4 1/8	3/4	2 3/4	9/32	37.0
8.6	9.00	6 13/16	**6TC86**	**Q2**	15-Web	6 1/4	3 1/2	1	1 3/4	4 1/8	3/4	2 3/4	9/32	35.0
8.8	9.20	7	**6TC88**	**Q2**	15-Web	6 1/4	3 1/2	1	1 3/4	4 1/8	3/4	2 3/4	9/32	39.4
9.0	9.40	7 1/4	**6TC90**	**Q2**	15-Web	6 1/4	3 1/2	1	1 3/4	4 1/8	3/4	2 3/4	9/32	36.8
9.2	9.60	7 7/16	**6TC92**	**Q2**	15-Web	6 1/4	3 1/2	1	1 3/4	4 1/8	3/4	2 3/4	9/32	41.0
9.4	9.80	7 5/8	**6TC94**	**Q2**	15-Arm	6 1/4	3 1/2	1	1 3/4	4 1/8	3/4	2 3/4	9/32	39.4
9.6	10.00	7 13/16	**6TC96**	**Q2**	15-Arm	6 1/4	3 1/2	1	1 3/4	4 1/8	3/4	2 3/4	9/32	43.6
9.8	10.20	8	**6TC98**	**Q2**	15-Arm	6 1/4	3 1/2	1	1 3/4	4 1/8	3/4	2 3/4	9/32	42.0
10.0	10.40	8 1/4	**6TC100**	**Q2**	15-Arm	6 1/4	3 1/2	1	1 3/4	4 1/8	3/4	2 3/4	9/32	47.3
10.2	10.60	8 7/16	**6TC102**	**Q2**	15-Arm	6 1/4	3 1/2	1	1 3/4	4 1/8	3/4	2 3/4	9/32	44.4
10.6	11.00	8 13/16	**6TC106**	**Q2**	15-Arm	6 1/4	3 1/2	1	1 3/4	4 1/8	3/4	2 3/4	9/32	45.4
11.0	11.40	9 1/4	**6TC110**	**Q2**	15-Arm	6 1/4	3 1/2	1	1 3/4	4 1/8	3/4	2 3/4	9/32	47.0
11.4	11.80	9 5/8	**6TC114**	**Q2**	15-Arm	6 1/4	3 1/2	1	1 3/4	4 1/8	3/4	2 3/4	9/32	49.6
12.0	12.40	10 1/4	**6TC120**	**Q2**	15-Arm	6 1/4	3 1/2	1	1 3/4	4 1/8	3/4	2 3/4	9/32	51.0
13.0	13.40	11 1/4	**6TC130**	**Q2**	15-Arm	6 1/4	3 1/2	1	1 3/4	4 1/8	3/4	2 3/4	9/32	56.0
16.0	16.40	14 1/4	**6TC160**	**Q2**	15-Arm	6 1/4	3 1/2	1	1 3/4	4 1/8	3/4	2 3/4	9/32	72.0
20.0	20.40	18 1/4	**6TC200**	**Q2**	15-Arm	6 1/4	3 1/2	1	1 3/4	4 1/8	3/4	2 3/4	9/32	88.3
24.0	24.40	22 1/4	**6TC240**	**Q2**	15-Arm	6 1/4	3 1/2	1	1 3/4	4 1/8	3/4	2 3/4	9/32	108

For sheaves with larger bores, see Page A-52.



Bushing Dimensions

Table No. 1

Part No.	Dimensions									Bore Range	Wt. Lbs.
	M	L	G	X	E	T	U	D	H		
P1	2 3/16"	1 15/16"	5/8"	1 5/16"	1/4"	1 17/32"	13/32"	1 15/16"	3"	1/2" - 1 3/4"	1 1/4
P2	3 3/16	2 15/16	5/8	2 5/16	1/4	2 17/32	13/32	1 15/16	3	3/4 - 1 3/4	1 1/2
Q1	2 25/32	2 1/2	3/4	1 3/4	9/32	1 31/32	17/32	2 7/8	4 1/8	3/4 - 2 11/16	3 1/2
Q2	3 25/32	3 1/2	3/4	2 3/4	9/32	2 31/32	17/32	2 7/8	4 1/8	1 - 2 5/8	4 1/2
Q3	5 9/32	5	3/4	4 1/4	9/32	4 15/32	17/32	2 7/8	4 1/8	1 3/8 - 2 1/2	5 1/2
R1	3 5/32	2 7/8	7/8	2	9/32	2 1/4	5/8	4	5 3/8	1 1/8 - 3 3/4	7 1/2
R2	5 5/32	4 7/8	7/8	4	9/32	4 1/4	5/8	4	5 3/8	1 3/8 - 3 5/8	11
S1	4 3/4	4 3/8	1 1/16	3 5/16	3/8	3 5/8	3/4	4 5/8	6 3/8	1 11/16 - 4 1/4	13 1/2
S2	7 1/8	6 3/4	1 1/16	5 11/16	3/8	6	3/4	4 5/8	6 3/8	1 7/8 - 4 3/16	19
U0	5 13/32	4 15/16	1 3/16	3 3/4	15/32	4 3/16	3/4	6	8 3/8	2 3/8 - 5 1/2	27

Standard Keyseats

Table No. 2

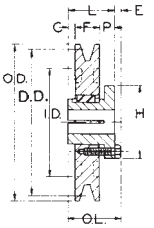
Bore Range	Keyseat
1/2" - 9/16"	1/8" x 1/16"
5/8 - 7/8	3/16 x 3/32
15/16 - 1 1/4	1/4 x 1/8
1 5/16 - 1 3/8	5/16 x 5/32
1 7/16 - 1 3/4	3/8 x 3/16
1 13/16 - 2 1/4	1/2 x 1/4
2 5/16 - 2 3/4	5/8 x 5/16
2 13/16 - 3 1/4	3/4 x 3/8
3 3/8 - 3 3/4	7/8 x 7/16
3 7/8 - 4 1/2	1 x 1/2
4 5/8 - 5 1/2	1 1/4 x 5/8

1 3/8" Bore Bushings (except R2) also available with 3/8" x 3/16" Keyseat.

Specifications — Stock "C" Sheaves

Table No. 3

DIAMETERS			Part Number		Type	DIMENSIONS (Inches)								Wt. (lbs) Less Bush.
Datum "C"	Outside	Inside	Sheave	Bushing		O.L.	L	P	C	H	G	X	E	
1 GROOVE, F = 1 1/4"														
5.6"	6.00"	-	1C56P	P1	10	2 3/16"	1 15/16"	5/8	1/16"	3"	—	—	1/4"	6.0
6.0	6.40	-	1C60Q	Q1	10	2 25/32	2 1/2	3/4	1/2	4 1/8	—	—	9/32	6.1
2 GROOVES, F = 2 1/4"														
5.6	6.00	3 13/16"	2C56P	P1	13-Web	2 1/2"	1 15/16"	0	5/16"	3"	5/8"	1 5/16"	1/4"	8.4
6.0	6.40	4 1/4	2C60Q	Q1	13-Web	2 25/32	2 1/2	1/4	0	4 1/8	3/4	1 3/4	9/32	9.5
14.0	14.40	12 1/4	2C140R	R1	13-Arm	3 9/32	2 7/8	3/4	1/8	5 3/8	7/8	2	9/32	33.5
18.0	18.40	16 1/4	2C180R	R1	13-Arm	3 9/32	2 7/8	3/4	1/8	5 3/8	7/8	2	9/32	42.3
27.0	27.40	25 1/4	2C270R	R1	13-Arm	3 9/32	2 7/8	3/4	1/8	5 3/8	7/8	2	9/32	77.0
30.0	30.40	28 1/8	2C300R	R1	13-Arm	3 9/32	2 7/8	3/4	1/8	5 3/8	7/8	2	9/32	93.0
36.0	36.40	34 1/8	2C360R	R1	13-Arm	3 9/32	2 7/8	3/4	1/8	5 3/8	7/8	2	9/32	117.0
44.0	44.40	42 1/8	2C440R	R1	13-Arm	3 9/32	2 7/8	3/4	1/8	5 3/8	7/8	2	9/32	164.0
3 GROOVES, F = 3 1/4"														
5.0	5.40"	-	3C50Q	Q1	13-Sol	4 9/32"	2 1/2"	3/4"	1 1/2"	4 1/8"	3/4"	1 3/4"	9/32"	8.4
5.6	6.00	3 13/16	3C56P	P2	13-Web	3 1/2	2 15/16	0	5/16	3	5/8	2 5/16	1/4	12.9
6.0	6.40	4 1/4	3C60Q	Q1	13-Web	3 17/32	2 1/2	0	3/4	4 1/8	3/4	1 3/4	9/32	11.8
9.0	9.40	7 3/16	3C90R	R1	13-Web	3 25/32	2 7/8	1/4	5/8	5 3/8	7/8	2	9/32	27.3
9.2	9.60	7 3/8	3C92R	R1	13-Web	3 25/32	2 7/8	1/4	5/8	5 3/8	7/8	2	9/32	27.5
9.4	9.80	7 5/8	3C94R	R1	13-Web	3 25/32	2 7/8	1/4	5/8	5 3/8	7/8	2	9/32	26.9
9.6	10.00	7 13/16	3C96R	R1	13-Web	3 25/32	2 7/8	1/4	5/8	5 3/8	7/8	2	9/32	28.4
9.8	10.20	8	3C98R	R1	13-Web	3 25/32	2 7/8	1/4	5/8	5 3/8	7/8	2	9/32	29.3
10.0	10.40	8 3/16	3C100R	R1	13-Web	3 25/32	2 7/8	1/4	5/8	5 3/8	7/8	2	9/32	29.0
10.2	10.60	8 3/8	3C102R	R1	13-Web	3 25/32	2 7/8	1/4	5/8	5 3/8	7/8	2	9/32	31.4
10.6	11.00	8 13/16	3C106R	R1	13-Web	3 25/32	2 7/8	1/4	5/8	5 3/8	7/8	2	9/32	31.8
11.0	11.40	9 1/4	3C110R	R1	13-Web	3 25/32	2 7/8	1/4	5/8	5 3/8	7/8	2	9/32	29.3
12.0	12.40	10 1/4	3C120R	R1	13-Web	3 25/32	2 7/8	1/4	5/8	5 3/8	7/8	2	9/32	36.9
13.0	13.40	11 1/4	3C130R	R1	13-Arm	3 25/32	2 7/8	1/4	5/8	5 3/8	7/8	2	9/32	34.8
14.0	14.40	12 1/4	3C140R	R1	13-Arm	3 25/32	2 7/8	1/4	5/8	5 3/8	7/8	2	9/32	39.4
15.0	15.40	13 1/4	3C150R	R1	13-Arm	3 25/32	2 7/8	1/4	5/8	5 3/8	7/8	2	9/32	43.8
16.0	16.40	14 1/4	3C160R	R1	13-Arm	3 25/32	2 7/8	1/4	5/8	5 3/8	7/8	2	9/32	47.0
18.0	18.40	16 1/4	3C180R	R1	13-Arm	3 25/32	2 7/8	1/4	5/8	5 3/8	7/8	2	9/32	51.5
20.0	20.40	18 1/4	3C200R	R1	13-Arm	3 25/32	2 7/8	1/4	5/8	5 3/8	7/8	2	9/32	58.0
24.0	24.40	22 1/4	3C240R	R1	13-Arm	3 25/32	2 7/8	1/4	5/8	5 3/8	7/8	2	9/32	71.0
27.0	27.40	25 1/4	3C270R	R1	13-Arm	3 25/32	2 7/8	1/4	5/8	5 3/8	7/8	2	9/32	92.0
30.0	30.40	28 1/8	3C300R	R1	13-Arm	3 25/32	2 7/8	1/4	5/8	5 3/8	7/8	2	9/32	110.0
36.0	36.40	34 1/8	3C360R	R1	13-Arm	3 25/32	2 7/8	1/4	5/8	5 3/8	7/8	2	9/32	135.0
44.0	44.40	42 1/8	3C440R	R1	13-Arm	3 25/32	2 7/8	1/4	5/8	5 3/8	7/8	2	9/32	196.0
50.0	50.40	48 1/8	3C500R	R1	13-Arm	3 25/32	2 7/8	1/4	5/8	5 3/8	7/8	2	9/32	213.0
50.0	50.40	48 1/8	3C500S	S1	16-Arm	4 3/4	4 3/8	1 3/32	1/32	6 3/8	1 1/16	3 5/16	3/8	224.0
4 GROOVES, F = 4 1/4"														
5.0	5.40"	-	4C50Q	Q2	13-Sol	5 9/32"	3 1/2"	3/4"	1 1/2"	4 1/8"	3/4"	2 3/4"	9/32"	10.9
5.6	6.00	3 13/16	4C56P	P2	13-Web	4 1/2	2 15/16	0	1 5/16	3	5/8	2 5/16	1/4	15.4
6.0	6.40	4 1/4	4C60Q	Q2	13-Web	4 17/32	3 1/2	0	3/4	4 1/8	3/4	2 3/4	9/32	17.0
9.0	9.40	7 3/16	4C90R	R1	15-Web	4 9/32	2 7/8	1/4	1 1/8	5 3/8	7/8	2	9/32	30.0
9.2	9.60	7 3/8	4C92R	R1	15-Web	4 9/32	2 7/8	1/4	1 1/8	5 3/8	7/8	2	9/32	31.6
9.4	9.80	7 5/8	4C94R	R1	15-Web	4 9/32	2 7/8	1/4	1 1/8	5 3/8	7/8	2	9/32	31.6
9.6	10.00	7 13/16	4C96R	R1	15-Web	4 9/32	2 7/8	1/4	1 1/8	5 3/8	7/8	2	9/32	31.1
9.8	10.20	8	4C98R	R1	15-Web	4 9/32	2 7/8	1/4	1 1/8	5 3/8	7/8	2	9/32	33.4
10.0	10.40	8 3/16	4C100R	R1	15-Web	4 9/32	2 7/8	1/4	1 1/8	5 3/8	7/8	2	9/32	34.1
10.2	10.60	8 3/8	4C102R	R1	15-Web	4 9/32	2 7/8	1/4	1 1/8	5 3/8	7/8	2	9/32	36.5
10.6	11.00	8 13/16	4C106R	R1	15-Web	4 9/32	2 7/8	1/4	1 1/8	5 3/8	7/8	2	9/32	36.5
11.0	11.40	9 1/4	4C110R	R1	15-Web	4 9/32	2 7/8	1/4	1 1/8	5 3/8	7/8	2	9/32	33.0
12.0	12.40	10 1/4	4C120R	R1	15-Web	4 9/32	2 7/8	1/4	1 1/8	5 3/8	7/8	2	9/32	42.9
13.0	13.40	11 1/4	4C130R	R1	15-Arm	4 9/32	2 7/8	1/4	1 1/8	5 3/8	7/8	2	9/32	40.1
14.0	14.40	12 1/4	4C140R	R1	15-Arm	4 9/32	2 7/8	1/4	1 1/8	5 3/8	7/8	2	9/32	46.6
15.0	15.40	13 1/4	4C150R	R1	15-Arm	4 9/32	2 7/8	1/4	1 1/8	5 3/8	7/8	2	9/32	52.0
16.0	16.40	14 1/4	4C160R	R1	15-Arm	4 9/32	2 7/8	1/4	1 1/8	5 3/8	7/8	2	9/32	55.0
18.0	18.40	16 1/4	4C180R	R1	15-Arm	4 9/32	2 7/8	1/4	1 1/8	5 3/8	7/8	2	9/32	60.0
18.0	18.40	16 1/4	4C180S	S1	13-Arm	5 7/32	4 3/8	19/32	15/32	6 3/8	1 1/16	3 5/16	3/8	92.0
20.0	20.40	18 1/4	4C200R	R1	15-Arm	4 9/32	2 7/8	1/4	1 1/8	5 3/8	7/8	2	9/32	69.0
20.0	20.40	18 1/4	4C200S	S1	13-Arm	5 7/32	4 3/8	19/32	15/32	6 3/8	1 1/16	3 5/16	3/8	103.0
24.0	24.40	22 1/4	4C240R	R1	15-Arm	4 9/32	2 7/8	1/4	1 1/8	5 3/8	7/8	2	9/32	86.0
24.0	24.40	22 1/4	4C240S	S1	13-Arm	5 7/32	4 3/8	19/32	15/32	6 3/8	1 1/16	3 5/16	3/8	120.0
27.0	27.40	25 1/4	4C270R	R1	15-Arm	4 9/32	2 7/8	1/4	1 1/8	5 3/8	7/8	2	9/32	110.0
27.0	27.40	25 1/4	4C270S	S1	13-Arm	5 7/32	4 3/8	19/32	15/32	6 3/8	1 1/16	3 5/16	3/8	123.0
30.0	30.40	28 1/8	4C300R	R1	15-Arm	4 9/32	2 7/8	1/4	1 1/8	5 3/8	7/8	2	9/32	123.0
30.0	30.40	28 1/8	4C300S	S1	13-Arm	5 7/32	4 3/8	19/32	15/32	6 3/8	1 1/16	3 5/16	3/8	142.0
36.0	36.40	34 1/8	4C360R	R1	15-Arm	4 9/32	2 7/8	1/4	1 1/8	5 3/8	7/8	2	9/32	156.0
36.0	36.40	34 1/8	4C360S	S1	13-Arm	5 7/32	4 3/8	19/32	15/32	6 3/8	1 1/16	3 5/16	3/8	183.0
44.0	44.40	42 1/8	4C440R	R1	15-Arm	4 9/32	2 7/8	1/4	1 1/8	5 3/8	7/8	2	9/32	218.0
44.0	44.40	42 1/8	4C440U	U0	13-Arm	5 13/32	4 15/16	15/16	1/4	8 3/8	1 3/16	3 3/4	15/32	241.0
50.0	50.40	48 1/8	4C500R	R1	15-Arm	4 9/32	2 7/8	1/4	1 1/8	5 3/8	7/8	2	9/32	240.0
50.0	50.40	48 1/8	4C500U	U0	13-Arm	5 13/32	4 15/16	15/16	1/4	8 3/8	1 3/16	3 3/4	15/32	283.0



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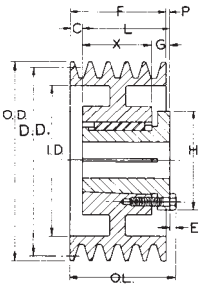

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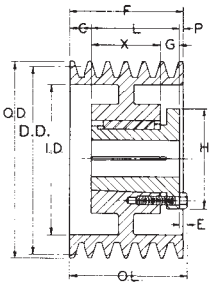

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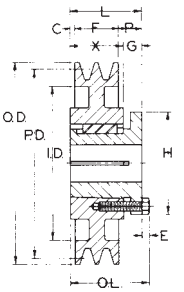


TYPE 16

*For Use with All "C" Section Belts.

For Use with All "C" Section Belts
Specifications — Stock "C" Sheaves

Table No. 1

DIAMETERS			Part Number		Type	DIMENSIONS								Wt. Less Bush.
Datum "C"	Outside	Inside	Sheave	Bushing		O.L.	L	P	C	H	G	X	E	
5 GROOVES, F = 5 1/4"														
9.0	9.40"	7 3/16"	**5C90R**	**R1**	15-Web	5 1/4"	2 7/8"	3/4"	1 5/8"	5 3/8"	7/8"	2"	9/32"	33.4
9.2	9.60	7 3/8	**5C92R**	**R1**	15-Web	5 1/4	2 7/8	3/4	1 5/8	5 3/8	7/8	2	9/32	36.8
9.4	9.80	7 5/8	**5C94R**	**R1**	15-Web	5 1/4	2 7/8	3/4	1 5/8	5 3/8	7/8	2	9/32	35.8
9.6	10.00	7 13/16	**5C96R**	**R1**	15-Web	5 1/4	2 7/8	3/4	1 5/8	5 3/8	7/8	2	9/32	35.4
9.8	10.20	8	**5C98R**	**R1**	15-Web	5 1/4	2 7/8	3/4	1 5/8	5 3/8	7/8	2	9/32	37.6
10.0	10.40	8 3/16	**5C100R**	**R1**	15-Web	5 1/4	2 7/8	3/4	1 5/8	5 3/8	7/8	2	9/32	38.9
10.2	10.60	8 3/8	**5C102R**	**R1**	15-Web	5 1/4	2 7/8	3/4	1 5/8	5 3/8	7/8	2	9/32	40.6
10.6	11.00	8 13/16	**5C106R**	**R1**	15-Web	5 1/4	2 7/8	3/4	1 5/8	5 3/8	7/8	2	9/32	39.0
11.0	11.40	9 1/4	**5C110R**	**R1**	15-Web	5 1/4	2 7/8	3/4	1 5/8	5 3/8	7/8	2	9/32	38.8
12.0	12.40	10 1/4	**5C120R**	**R1**	15-Web	5 1/4	2 7/8	3/4	1 5/8	5 3/8	7/8	2	9/32	47.5
13.0	13.40	11 1/4	**5C130R**	**R1**	15-Arm	5 1/4	2 7/8	3/4	1 5/8	5 3/8	7/8	2	9/32	46.0
14.0	14.40	12 1/4	**5C140R**	**R1**	15-Arm	5 1/4	2 7/8	3/4	1 5/8	5 3/8	7/8	2	9/32	52.0
15.0	15.40	13 1/4	**5C150R**	**R1**	15-Arm	5 1/4	2 7/8	3/4	1 5/8	5 3/8	7/8	2	9/32	54.0
16.0	16.40	14 1/4	**5C160R**	**R1**	15-Arm	5 1/4	2 7/8	3/4	1 5/8	5 3/8	7/8	2	9/32	63.0
18.0	18.40	16 1/4	**5C180R**	**R1**	15-Arm	5 1/4	2 7/8	3/4	1 5/8	5 3/8	7/8	2	9/32	69.0
18.0	18.40	16 1/4	**5C180S**	**S1**	13-Arm	5 23/32	4 3/8	3/32	31/32	6 3/8	1 1/16	3 5/16	3/8	100.0
20.0	20.40	18 1/4	**5C200R**	**R1**	15-Arm	5 1/4	2 7/8	3/4	5/8	5 3/8	7/8	2	9/32	77.0
20.0	20.40	18 1/4	**5C200S**	**S1**	13-Arm	5 23/32	4 3/8	3/32	31/32	6 3/8	1 1/16	3 5/16	3/8	99.0
24.0	24.40	22 1/4	**5C240R**	**R1**	15-Arm	5 1/4	2 7/8	3/4	5/8	5 3/8	7/8	2	9/32	110
24.0	24.40	22 1/4	**5C240S**	**S1**	13-Arm	5 23/32	4 3/8	3/32	31/32	6 3/8	1 1/16	3 5/16	3/8	129
27.0	27.40	25 1/4	**5C270R**	**R2**	13-Arm	5 25/32	4 7/8	1/4	5/8	5 3/8	7/8	4	9/32	131
30.0	30.40	28 1/8	**5C300R**	**R2**	13-Arm	5 25/32	4 7/8	1/4	5/8	5 3/8	7/8	4	9/32	150
30.0	30.40	28 1/8	**5C300S**	**S1**	13-Arm	5 23/32	4 3/8	3/32	31/32	6 3/8	1 1/16	3 5/16	3/8	160
36.0	36.40	34 1/8	**5C360R**	**R2**	13-Arm	5 25/32	4 7/8	1/4	5/8	5 3/8	7/8	4	9/32	194
44.0	44.40	42 1/8	**5C440R**	**R2**	13-Arm	5 25/32	4 7/8	1/4	5/8	5 3/8	7/8	4	9/32	243
50.0	50.40	48 1/8	**5C500R**	**R2**	13-Arm	5 25/32	4 7/8	1/4	5/8	5 3/8	7/8	4	9/32	273
6 GROOVES, F = 6 1/4"														
9.0"	9.40"	7 3/16"	**6C90R**	**R2**	15-Web	6 9/32"	4 7/8"	1/4"	1 1/8"	5 3/8"	7/8"	4"	9/32"	53.0
9.2	9.60	7 3/8	**6C92R**	**R2**	15-Web	6 9/32	4 7/8	1/4	1 1/8	5 3/8	7/8	4	9/32	58.0
9.4	9.80	7 5/8	**6C94R**	**R2**	15-Web	6 9/32	4 7/8	1/4	1 1/8	5 3/8	7/8	4	9/32	63.5
9.6	10.00	7 13/16	**6C96R**	**R2**	15-Web	6 9/32	4 7/8	1/4	1 1/8	5 3/8	7/8	4	9/32	55.0
9.8	10.20	8	**6C98R**	**R2**	15-Web	6 9/32	4 7/8	1/4	1 1/8	5 3/8	7/8	4	9/32	65.0
10.0	10.40	8 3/16	**6C100R**	**R2**	15-Web	6 9/32	4 7/8	1/4	1 1/8	5 3/8	7/8	4	9/32	62.0
10.2	10.60	8 3/8	**6C102R**	**R2**	15-Web	6 9/32	4 7/8	1/4	1 1/8	5 3/8	7/8	4	9/32	68.0
10.6	11.00	8 13/16	**6C106R**	**R2**	15-Web	6 9/32	4 7/8	1/4	1 1/8	5 3/8	7/8	4	9/32	55.0
11.0	11.40	9 1/4	**6C110R**	**R2**	15-Web	6 9/32	4 7/8	1/4	1 1/8	5 3/8	7/8	4	9/32	51.5
12.0	12.40	10 1/4	**6C120R**	**R2**	15-Web	6 9/32	4 7/8	1/4	1 1/8	5 3/8	7/8	4	9/32	64.0
13.0	13.40	11 1/4	**6C130R**	**R2**	15-Arm	6 9/32	4 7/8	1/4	1 1/8	5 3/8	7/8	4	9/32	61.0
14.0	14.40	12 1/4	**6C140R**	**R2**	15-Arm	6 9/32	4 7/8	1/4	1 1/8	5 3/8	7/8	4	9/32	69.0
15.0	15.40	13 1/4	**6C150R**	**R2**	15-Arm	6 9/32	4 7/8	1/4	1 1/8	5 3/8	7/8	4	9/32	68.0
16.0	16.40	14 1/4	**6C160R**	**R2**	15-Arm	6 9/32	4 7/8	1/4	1 1/8	5 3/8	7/8	4	9/32	77.0
18.0	18.40	16 1/4	**6C180R**	**R2**	15-Arm	6 9/32	4 7/8	1/4	1 1/8	5 3/8	7/8	4	9/32	84.0
18.0	18.40	16 1/4	**6C180S**	**S1**	15-Arm	6 1/4	4 3/8	13/32	1 15/32	6 3/8	1 1/16	3 5/16	3/8	107.0
20.0	20.40	18 1/4	**6C200R**	**R2**	15-Arm	6 9/32	4 7/8	1/4	1 1/8	5 3/8	7/8	4	9/32	91.5
20.0	20.40	18 1/4	**6C200S**	**S1**	15-Arm	6 1/4	4 3/8	13/32	1 15/32	6 3/8	1 1/16	3 5/16	3/8	127
24.0	24.40	22 1/4	**6C240R**	**R2**	15-Arm	6 9/32	4 7/8	1/4	1 1/8	5 3/8	7/8	4	9/32	116
24.0	24.40	22 1/4	**6C240S**	**S1**	15-Arm	6 1/4	4 3/8	13/32	1 15/16	6 3/8	1 1/16	3 5/16	3/8	125
27.0	27.40	25 1/4	**6C270R**	**R2**	15-Arm	6 9/32	4 7/8	1/4	1 1/8	5 3/8	7/8	4	9/32	144
27.0	27.40	25 1/4	**6C270S**	**S1**	15-Arm	6 1/4	4 3/8	13/32	1 15/32	6 3/8	1 1/16	3 5/16	3/8	151
30.0	30.40	28 1/8	**6C300R**	**R2**	15-Arm	6 9/32	4 7/8	1/4	1 1/8	5 3/8	7/8	4	9/32	160
30.0	30.40	28 1/8	**6C300U**	**U0**	15-Arm	6 1/4	4 15/16	1/16	1 1/4	8 3/8	1 3/16	3 3/4	15/32	191
36.0	36.40	34 1/8	**6C360R**	**R2**	15-Arm	6 9/32	4 7/8	1/4	1 1/8	5 3/8	7/8	4	9/32	211
36.0	36.40	34 1/8	**6C360U**	**U0**	15-Arm	6 1/4	4 15/16	1/16	1 1/4	8 3/8	1 3/16	3 3/4	15/32	233
44.0	44.40	42 1/8	**6C440R**	**R2**	15-Arm	6 9/32	4 7/8	1/4	1 1/8	5 3/8	7/8	4	9/32	286
50.0	50.40	48 1/8	**6C500R**	**R2**	15-Arm	6 9/32	4 7/8	1/4	1 1/8	5 3/8	7/8	4	9/32	303
7 GROOVES, F = 7 1/4"														
7.0"	7.40"	5 3/8"	**7C70Q**	**Q3**	15-Web	7 1/4"	5"	3/4"	1 1/2"	4 1/8"	3/4	4 1/4"	9/32"	37.5
8.0	8.40	6 3/8	**7C80R**	**R2**	15-Web	7 1/4	4 7/8	3/4	1 5/8	5 3/8	7/8	4	9/32	45.6
8.6	9.00	6 15/16	**7C86R**	**R2**	15-Web	7 1/4	4 7/8	3/4	1 5/8	5 3/8	7/8	4	9/32	52.8
9.0	9.40	7 3/16	**7C90R**	**R2**	15-Web	7 1/4	4 7/8	3/4	1 5/8	5 3/8	7/8	4	9/32	58.0
9.2	9.60	7 3/8	**7C92R**	**R2**	15-Web	7 1/4	4 7/8	3/4	1 5/8	5 3/8	7/8	4	9/32	63.0
9.4	9.80	7 5/8	**7C94R**	**R2**	15-Web	7 1/4	4 7/8	3/4	1 5/8	5 3/8	7/8	4	9/32	68.0
9.8	10.20	8	**7C98R**	**R2**	15-Web	7 1/4	4 7/8	3/4	1 5/8	5 3/8	7/8	4	9/32	73.0
10.0	10.40	8 3/16	**7C100R**	**R2**	15-Web	7 1/4	4 7/8	3/4	1 5/8	5 3/8	7/8	4	9/32	71.0
10.2	10.60	8 3/8	**7C102R**	**R2**	15-Web	7 1/4	4 7/8	3/4	1 5/8	5 3/8	7/8	4	9/32	76.0
10.6	11.00	8 13/16	**7C106R**	**R2**	15-Web	7 1/4	4 7/8	3/4	1 5/8	5 3/8	7/8	4	9/32	71.0
11.0	11.40	9 1/4	**7C110R**	**R2**	15-Web	7 1/4	4 7/8	3/4	1 5/8	5 3/8	7/8	4	9/32	68.0
12.0	12.40	10 1/4	**7C120R**	**R2**	15-Web	7 1/4	4 7/8	3/4	1 5/8	5 3/8	7/8	4	9/32	67.0
13.0	13.40	11 1/4	**7C130R**	**R2**	15-Arm	7 1/4	4 7/8	3/4	1 5/8	5 3/8	7/8	4	9/32	84.0
14.0	14.40	12 1/4	**7C140R**	**R2**	15-Arm	7 1/4	4 7/8	3/4	1 5/8	5 3/8	7/8	4	9/32	83.0
15.0	15.40	13 1/4	**7C150R**	**R2**	15-Arm	7 1/4	4 7/8	3/4	1 5/8	5 3/8	7/8	4	9/32	86.0
16.0	16.40	14 1/4	**7C160R**	**R2**	15-Arm	7 1/4	4 7/8	3/4	1 5/8	5 3/8	7/8	4	9/32	88.0
18.0	18.40	16 1/4	**7C180S**	**S2**	13-Arm	7 29/32	6 3/4	9/32	25/32	6 3/8	1 1/16	5 11/16	9/32	137
18.0	18.40	16 1/4	**7C180U**	**U0**	15-Arm	7 1/4	4 15/16	9/16	1 3/4	8 3/8	1 3/16	3 3/4	9/32	133
20.00	20.40	18 1/4	**7C200S**	**S2**	13-Arm	7 29/32	6 3/4	9/32	25/32	6 3/8	1 1/16	5 11/16	9/32	152
20.00	20.40	18 1/4	**7C200U**	**U0**	15-Arm	7 1/4	4 15/16	9/16	1 3/4	8 3/8	1 3/16	3 3/4	9/32	144
24.0	24.40	22 1/4	**7C240S**	**S2**	13-Arm	7 29/32	6 3/4	9/32	25/32	6 3/8	1 1/16	5 11/16	9/32	173
27.0	27.40	25 1/4	**7C270S**	**S2**	13-Arm	7 29/32	6 3/4	9/32	25/32	6 3/8	1 1/16	5 11/16	9/32	197
27.0	27.40	25 1/4	**7C270U**	**U0**	15-Arm	7 1/4	4 15/16	9/16	1 3/4	8 3/8	1 3/16	3 3/4	9/32	196
30.0	30.40	28 1/8	**7C300S**	**S2**	13-Arm	7 29/32	6 3/4	9/32	25/32	6 3/8	1 1/16	5 11/16	9/32	220
30.0	30.40	28 1/8	**7C300U**	**U0**	15-Arm	7 1/4	4 15/16	9/16	1 3/4	8 3/8	1 3/16	3 3/4	9/32	217
36.0	36.40	34 1/8	**7C360S**	**S2**	13-Arm	7 29/32	6 3/4	9/32	25/32	6 3/8	1 1/16	5 11/16	9/32	279
44.0	44.40	42 1/8	**7C440S**	**S2**	13-Arm	7 29/32	6 3/4	9/32	25/32	6 3/8	1 1/16	5 11/16	9/32	337
50.0	50.40	48 1/8	**7C500S**	**S2**	13-Arm	7 29/32	6 3/4	9/32	25/32	6 3/8	1 1/16	5 11/16	9/32	382

For Use with All "C" Section Belts

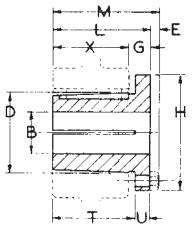
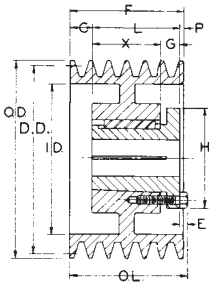


Table No. 1

Bushing Dimensions

Part No.	DIMENSIONS M	L	G	X	E	T	U	D	H	Bore Range	Wt. Lbs.
Q3	5 9/32"	5"	3/4"	4 1/4"	9/32"	4 15/32"	17/32"	2 7/8"	4 1/8"	1 3/8" - 2 1/2"	5 1/2
R2	5 3/32	4 7/8	7/8	4	9/32	4 1/4	5/8	4	5 3/8	1 3/8 - 3 5/8	11
S2	7 1/8	6 3/4	1 1/16	5 11/16	3/8	6	3/4	4 5/8	6 3/8	1 7/8 - 4 3/16	19
U0	5 23/32	5 1/4	1 3/16	3 3/4	15/32	4 3/16	1 1/16	6	8 3/8	2 3/8 - 3 3/16	30
U0	5 13/32	4 15/16	1 1/2	3 3/4	15/32	4 3/16	3/4	6	8 3/8	3 1/4 - 5 1/2	27
U1	7 19/32	7 1/8	1 1/2	5 5/8	15/32	6 1/16	1 1/16	6	8 3/8	2 3/4 - 5 1/2	40



TYPE 15

Standard Keyseats

Table No. 2

Bore Range	Keyseat
1 3/8"	5/16" X 5/32"
1 7/16" - 1 3/4"	3/8 X 3/16
1 3/16 - 2 1/4	1/2 X 1/4
2 5/16 - 2 3/4	5/8 X 5/16
2 13/16 - 3 1/4	3/4 X 3/8
3 3/8 - 3 3/4	7/8 X 7/16
3 7/8 - 4 1/2	1 X 1/2
4 5/8 - 5 1/2	1 1/4 X 5/8

1 3/8" Bore Bushings also available with 3/8" X 3/16" Keyseat.

Table No. 3

Specifications — Stock "C" Sheaves

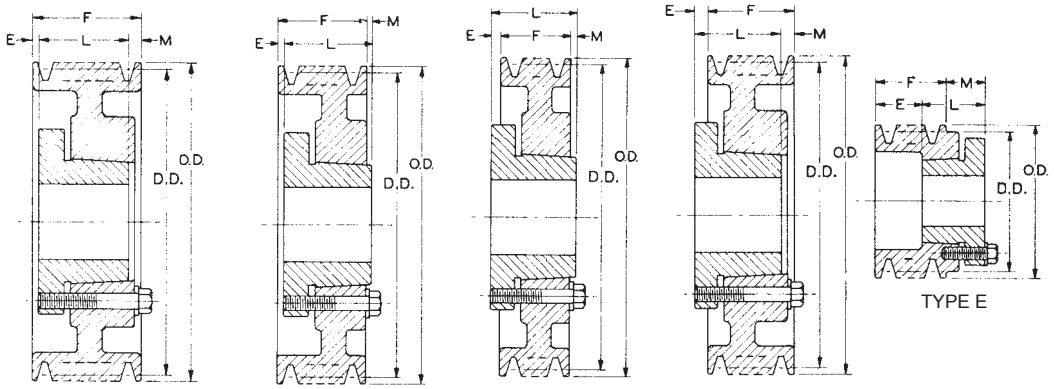
DIAMETERS Datum "C"	Outside	Inside	Part Number Sheave	Bushing	Type	DIMENSIONS O.L.	L	P	C	H	G	X	E	Wt. Less Bush.
8 GROOVES, F = 8 1/4"														
7.0"	7.40"	5 3/8"	**8C70Q**	**Q3**	15-Web	8 1/4"	5"	1 5/8"	1 5/8"	4 1/8"	3/4"	4 1/4"	9/32"	40
8.0	8.40	6 3/8	**8C80R**	**R2**	15-Web	8 1/4	4 7/8	1 3/4	1 5/8	5 3/8	7/8	4	9/32	49
8.6	9.00	6 15/16	**8C86R**	**R2**	15-Web	8 1/4	4 7/8	1 3/4	1 5/8	5 3/8	7/8	4	9/32	57
9.0	9.40	7 3/16	**8C90R**	**R2**	15-Web	8 1/4	4 7/8	1 3/4	1 5/8	5 3/8	7/8	4	9/32	62
9.2	9.60	7 3/8	**8C92R**	**R2**	15-Web	8 1/4	4 7/8	1 3/4	1 5/8	5 3/8	7/8	4	9/32	68
9.4	9.80	7 5/8	**8C94R**	**R2**	15-Web	8 1/4	4 7/8	1 3/4	1 5/8	5 3/8	7/8	4	9/32	73
9.6	10.00	7 13/16	**8C96R**	**R2**	15-Web	8 1/4	4 7/8	1 3/4	1 5/8	5 3/8	7/8	4	9/32	70
9.8	10.20	8	**8C98R**	**R2**	15-Web	8 1/4	4 7/8	1 3/4	1 5/8	5 3/8	7/8	4	9/32	76
10.0	10.40	8 3/16	**8C100R**	**R2**	15-Web	8 1/4	4 7/8	1 3/4	1 5/8	5 3/8	7/8	4	9/32	72
10.2	10.60	8 3/8	**8C102R**	**R2**	15-Web	8 1/4	4 7/8	1 3/4	1 5/8	5 3/8	7/8	4	9/32	79
10.6	11.00	8 13/16	**8C106R**	**R2**	15-Web	8 1/4	4 7/8	1 3/4	1 5/8	5 3/8	7/8	4	9/32	76
11.0	11.40	9 1/4	**8C110R**	**R2**	15-Web	8 1/4	4 7/8	1 1/4	2 1/8	5 3/8	7/8	4	9/32	73
12.0	12.40	10 1/4	**8C120R**	**R2**	15-Web	8 1/4	4 7/8	1 1/4	2 1/8	5 3/8	7/8	4	9/32	74
13.0	13.40	11 1/4	**8C130R**	**R2**	15-Arm	8 1/4	4 7/8	1 1/4	2 1/8	5 3/8	7/8	4	9/32	80
14.0	14.40	12 1/4	**8C140R**	**R2**	15-Arm	8 1/4	4 7/8	1 1/4	2 1/8	5 3/8	7/8	4	9/32	84
15.0	15.40	13 1/4	**8C150R**	**R2**	15-Arm	8 1/4	4 7/8	1 1/4	2 1/8	5 3/8	7/8	4	9/32	93
16.0	16.40	14 1/4	**8C160R**	**R2**	15-Arm	8 1/4	4 7/8	1 1/4	2 1/8	5 3/8	7/8	4	9/32	100
18.0	18.40	16 1/4	**8C180S**	**S2**	15-Arm	8 13/32	6 3/4	7/32	1 9/32	6 3/8	1 1/16	5 11/16	3/8	140
18.0	18.40	16 1/4	**8C180U**	**U0**	15-Arm	8 1/4	4 15/16	1 1/16	2 1/4	8 3/8	1 3/16	3 3/4	15/32	141
20.00	20.40	18 1/4	**8C200S**	**S2**	15-Arm	8 13/32	6 3/4	7/32	1 9/32	6 3/8	1 1/16	5 11/16	3/8	163
20.00	20.40	18 1/4	**8C200U**	**U0**	15-Arm	8 1/4	4 15/16	1 1/16	2 1/4	8 3/8	1 3/16	3 3/4	15/32	160
24.0	24.40	22 1/4	**8C240S**	**S2**	15-Arm	8 13/32	6 3/4	7/32	1 9/32	6 3/8	1 1/16	5 11/16	3/8	194
24.0	24.40	22 1/4	**8C240U**	**U0**	15-Arm	8 1/4	4 15/16	1 1/16	2 1/4	8 3/8	1 3/16	3 3/4	15/32	184
27.0	27.40	25 1/4	**8C270S**	**S2**	15-Arm	8 13/32	6 3/4	7/32	1 9/32	6 3/8	1 1/16	5 11/16	3/8	224
30.0	30.40	28 1/8	**8C300S**	**S2**	15-Arm	8 13/32	6 3/4	7/32	1 9/32	6 3/8	1 1/16	5 11/16	3/8	212
30.0	30.40	28 1/8	**8C300U**	**U0**	15-Arm	8 1/4	4 15/16	1 1/16	2 1/4	8 3/8	1 3/16	3 3/4	15/32	227
36.0	36.40	34 1/8	**8C360S**	**S2**	15-Arm	8 13/32	6 3/4	7/32	1 9/32	6 3/8	1 1/16	5 11/16	3/8	261
36.0	36.40	34 1/8	**8C360U**	**U0**	15-Arm	8 1/4	4 15/16	1 1/16	2 1/4	8 3/8	1 3/16	3 3/4	15/32	288
44.0	44.40	42 1/8	**8C440S**	**S2**	15-Arm	8 13/32	6 3/4	7/32	1 9/32	6 3/8	1 1/16	5 11/16	3/8	368
44.0	44.40	42 1/8	**8C440U**	**U0**	15-Arm	8 1/4	4 15/16	1 1/16	2 1/4	8 3/8	1 3/16	3 3/4	15/32	358
50.0	50.40	48 1/8	**8C500S**	**S2**	15-Arm	8 13/32	6 3/4	7/32	1 9/32	6 3/8	1 1/16	5 11/16	3/8	429
50.0	50.40	48 1/8	**8C500U**	**U0**	15-Arm	8 1/4	4 15/16	1 1/16	2 1/4	8 3/8	1 3/16	3 3/4	15/32	417

For Use with All "C" Section Belts

Table No. 1

Specifications — Stock "C" Sheaves

DIAMETERS			Part Number		Type	DIMENSIONS								Wt. Less Bush.
Datum "C"	Outside	Inside	Sheave	Bushing		O.L.	L	P	C	H	G	X	E	
10 GROOVES, F = 10 1/4"														
8.0	8.40"	6 3/8"	**10C80R**	**R2**	15-Web	10 1/4"	4 7/8"	3 3/4"	1 5/8"	5 3/8"	7/8"	4"	9/32"	70
8.6	9.00	6 15/16	**10C86R**	**R2**	15-Web	10 1/4	4 7/8	3 3/4	1 5/8	5 3/8	7/8	4	9/32	72
9.0	9.40	7 3/16	**10C90R**	**R2**	15-Web	10 1/4	4 7/8	3 3/4	1 5/8	5 3/8	7/8	4	9/32	72
9.2	9.60	7 3/8	**10C92R**	**R2**	15-Web	10 1/4	4 7/8	3 3/4	1 5/8	5 3/8	7/8	4	9/32	70
9.4	9.80	7 5/8	**10C94R**	**R2**	15-Web	10 1/4	4 7/8	3 3/4	1 5/8	5 3/8	7/8	4	9/32	78
9.6	10.00	7 13/16	**10C96R**	**R2**	15-Web	10 1/4	4 7/8	3 3/4	1 5/8	5 3/8	7/8	4	9/32	73
9.8	10.20	8	**10C98R**	**R2**	15-Web	10 1/4	4 7/8	3 3/4	1 5/8	5 3/8	7/8	4	9/32	88
10.0	10.40	8 3/16	**10C100R**	**R2**	15-Web	10 1/4	4 7/8	3 3/4	1 5/8	5 3/8	7/8	4	9/32	89
10.2	10.60	8 3/8	**10C102R**	**R2**	15-Web	10 1/4	4 7/8	3 3/4	1 5/8	5 3/8	7/8	4	9/32	97
10.6	11.00	8 13/16	**10C106R**	**R2**	15-Web	10 1/4	4 7/8	3 3/4	1 5/8	5 3/8	7/8	4	9/32	84
11.0	11.40	9 1/4	**10C110R**	**R2**	15-Web	10 1/4	4 7/8	2 1/4	3 1/8	5 3/8	7/8	4	9/32	84
12.0	12.40	10 1/4	**10C120R**	**R2**	15-Web	10 1/4	4 7/8	2 1/4	3 1/8	5 3/8	7/8	4	9/32	97
13.0	13.40	11 1/4	**10C130R**	**R2**	15-Arm	10 1/4	4 7/8	2 1/4	3 1/8	5 3/8	7/8	4	9/32	102
14.0	14.40	12 1/4	**10C140R**	**R2**	15-Arm	10 1/4	4 7/8	2 1/4	3 1/8	5 3/8	7/8	4	9/32	106
15.0	15.40	13 1/4	**10C150R**	**R2**	15-Arm	10 1/4	4 7/8	2 1/4	3 1/8	5 3/8	7/8	4	9/32	110
16.0	16.40	14 1/4	**10C160R**	**R2**	15-Arm	10 1/4	4 7/8	2 1/4	3 1/8	5 3/8	7/8	4	9/32	111
18.0	18.40	16 1/4	**10C180S**	**S2**	15-Arm	10 1/4	6 3/4	1 5/32	2 9/32	6 3/8	1 1/16	5 11/16	3/8	164
18.0	18.40	16 1/4	**10C180U**	**U0**	15-Arm	10 1/4	4 15/16	2 1/16	3 1/4	8 3/8	1 3/16	3 3/4	15/32	163
20.00	20.40	18 1/4	**10C200S**	**S2**	15-Arm	10 1/4	6 3/4	1 5/32	2 9/32	6 3/8	1 1/16	5 11/16	3/8	170
20.00	20.40	18 1/4	**10C200U**	**U0**	15-Arm	10 1/4	4 15/16	2 1/16	3 1/4	8 3/8	1 3/16	3 3/4	15/32	178
24.0	24.40	22 1/4	**10C240S**	**S2**	15-Arm	10 1/4	6 3/4	1 5/32	2 9/32	6 3/8	1 1/16	5 11/16	3/8	210
24.0	24.40	22 1/4	**10C240U**	**U0**	15-Arm	10 1/4	4 15/16	2 1/16	3 1/4	8 3/8	1 3/16	3 3/4	15/32	208
27.0	27.40	25 1/4	**10C270S**	**S2**	15-Arm	10 1/4	6 3/4	1 5/32	2 9/32	6 3/8	1 1/16	5 11/16	3/8	246
30.0	30.40	28 1/8	**10C300S**	**S2**	15-Arm	10 1/4	6 3/4	1 5/32	2 9/32	6 3/8	1 1/16	5 11/16	3/8	278
30.0	30.40	28 1/8	**10C300U**	**U1**	15-Arm	10 1/4	7 1/8	13/16	2 5/16	8 3/8	1 1/2	5 5/8	15/32	298
36.0	36.40	34 1/8	**10C360S**	**S2**	15-Arm	10 1/4	6 3/4	1 5/32	2 9/32	6 3/8	1 1/16	5 11/16	3/8	324
36.0	36.40	34 1/8	**10C360U**	**U1**	15-Arm	10 1/4	7 1/8	13/16	2 5/16	8 3/8	1 1/2	5 5/8	15/32	362
44.0	44.40	42 1/8	**10C440U**	**U1**	15-Arm	10 1/4	7 1/8	13/16	2 5/16	8 3/8	1 1/2	5 5/8	15/32	463
50.0	50.40	48 1/8	**10C500U**	**U1**	15-Arm	10 1/4	7 1/8	13/16	2 5/16	8 3/8	1 1/2	5 5/8	15/32	480
12 GROOVES, F = 12 1/4"														
9.0"	9.40"	7 3/16"	**12C90S**	**S2**	15-Web	12 1/4"	6 3/4"	3 1/2"	2"	6 3/8"	1 1/16"	5 11/16"	3/8"	88
9.2	9.60	7 3/8	**12C92S**	**S2**	15-Web	12 1/4	6 3/4	3 1/2	2	6 3/8	1 1/16	5 11/16	3/8	93
9.4	9.80	7 5/8	**12C94S**	**S2**	15-Web	12 1/4	6 3/4	3 1/2	2	6 3/8	1 1/16	5 11/16	3/8	104
9.6	10.00	7 13/16	**12C96S**	**S2**	15-Web	12 1/4	6 3/4	3 1/2	2	6 3/8	1 1/16	5 11/16	3/8	102
9.8	10.20	8	**12C98S**	**S2**	15-Web	12 1/4	6 3/4	3 1/2	2	6 3/8	1 1/16	5 11/16	3/8	111
10.0	10.40	8 3/16	**12C100S**	**S2**	15-Web	12 1/4	6 3/4	3 1/2	2	6 3/8	1 1/16	5 11/16	3/8	112
10.2	10.60	8 3/8	**12C102S**	**S2**	15-Web	12 1/4	6 3/4	3 1/2	2	6 3/8	1 1/16	5 11/16	3/8	121
10.6	11.00	8 13/16	**12C106S**	**S2**	15-Web	12 1/4	6 3/4	3 1/2	2	6 3/8	1 1/16	5 11/16	3/8	133
11.0	11.40	9 1/4	**12C110S**	**S2**	15-Web	12 1/4	6 3/4	2 7/32	3 9/32	6 3/8	1 1/16	5 11/16	3/8	128
12.0	12.40	10 1/4	**12C120S**	**S2**	15-Web	12 1/4	6 3/4	2 7/32	3 9/32	6 3/8	1 1/16	5 11/16	3/8	140
13.0	13.40	11 1/4	**12C130S**	**S2**	15-Web	12 1/4	6 3/4	2 7/32	3 9/32	6 3/8	1 1/16	5 11/16	3/8	165
14.0	14.40	12 1/4	**12C140S**	**S2**	15-Arm	12 1/4	6 3/4	2 7/32	3 9/32	6 3/8	1 1/16	5 11/16	3/8	148
15.0	15.40	13 1/4	**12C150S**	**S2**	15-Arm	12 1/4	6 3/4	2 7/32	3 9/32	6 3/8	1 1/16	5 11/16	3/8	162
16.0	16.40	14 1/4	**12C160S**	**S2**	15-Arm	12 1/4	6 3/4	2 7/32	3 9/32	6 3/8	1 1/16	5 11/16	3/8	163
18.0	18.40	16 1/4	**12C180U**	**U1**	15-Arm	12 1/4	7 1/8	1 13/16	3 5/16	8 3/8	1 1/2	5 5/8	15/32	204
20.0	20.40	18 1/4	**12C200U**	**U1**	15-Arm	12 1/4	7 1/8	1 13/16	3 5/16	8 3/8	1 1/2	5 5/8	15/32	224
24.0	24.40	22 1/4	**12C240U**	**U1**	15-Arm	12 1/4	7 1/8	1 13/16	3 5/16	8 3/8	1 1/2	5 5/8	15/32	257
27.0	27.40	25 1/4	**12C270U**	**U1**	15-Arm	12 1/4	7 1/8	1 13/16	3 5/16	8 3/8	1 1/2	5 5/8	15/32	300
30.0	30.40	28 1/8	**12C300U**	**U1**	15-Arm	12 1/4	7 1/8	1 13/16	3 5/16	8 3/8	1 1/2	5 5/8	15/32	327
36.0	36.40	34 1/8	**12C360U**	**U1**	15-Arm	12 1/4	7 1/8	1 13/16	3 5/16	8 3/8	1 1/2	5 5/8	15/32	397
44.0	44.40	42 1/8	**12C440U**	**U1**	15-Arm	12 1/4	7 1/8	1 13/16	3 5/16	8 3/8	1 1/2	5 5/8	15/32	519
50.0	50.40	48 1/8	**12C500U**	**U1**	15-Arm	12 1/4	7 1/8	1 13/16	3 5/16	8 3/8	1 1/2	5 5/8	15/32	551



TYPE A TYPE B TYPE C TYPE D TYPE E

Standard Keyseats

Table No. 1

Bore Range	Keyseat
1/2" - 9/16"	1/8" x 1/16"
5/8 - 7/8	3/16 x 3/32
15/16 - 1 1/4	1/4 x 1/8
1 5/16 - 1 3/8	5/16 x 5/32
1 7/16 - 1 3/4	3/8 x 3/16
1 13/16 - 2 1/4	1/2 x 1/4
2 5/16 - 2 3/4	5/8 x 5/16
2 13/16 - 3 1/4	3/4 x 3/8
3 3/8 - 3 3/4	7/8 x 7/16
3 7/8 - 4 1/4	1 x 1/2

1 3/8" Bore Bushings also available with 3/8" X 3/16" Keyseat.

Specifications

Table No. 2

Part No.	Bushing	Bore Range	Type *	Datum "C"	O.D.	E	L	M	Wt. Less Bushing
1 GROOVE, F = 1 1/4"									
1C70SF	**SF**	1/2" - 2 15/16"	D-1	7.0"	7.40"	27/32"	2 1/16"	1/32"	10
1C75SF	**SF**	1/2 - 2 15/16	D-2	7.5	7.90	27/32	2 1/16	1/32	12
1C80SF	**SF**	1/2 - 2 15/16	D-2	8.0	8.40	27/32	2 1/16	1/32	13
1C85SF	**SF**	1/2 - 2 15/16	D-2	8.5	8.90	27/32	2 1/16	1/32	14
1C90SF	**SF**	1/2 - 2 15/16	D-3	9.0	9.40	27/32	2 1/16	1/32	15
1C95SF	**SF**	1/2 - 2 15/16	D-3	9.5	9.90	27/32	2 1/16	1/32	16
1C100SF	**SF**	1/2 - 2 15/16	D-3	10.0	10.40	27/32	2 1/16	1/32	17
1C105SF	**SF**	1/2 - 2 15/16	D-3	10.5	10.90	27/32	2 1/16	1/32	18
1C110SF	**SF**	1/2 - 2 15/16	D-3	11.0	11.40	27/32	2 1/16	1/32	19
1C120SF	**SF**	1/2 - 2 15/16	D-3	12.0	12.40	27/32	2 1/16	1/32	20
1C130SF	**SF**	1/2 - 2 15/16	D-3	13.0	13.40	27/32	2 1/16	1/32	22
1C140SF	**SF**	1/2 - 2 15/16	D-3	14.0	14.40	27/32	2 1/16	1/32	24
1C160SF	**SF**	1/2 - 2 15/16	D-3	16.0	16.40	27/32	2 1/16	1/32	26
1C180SF	**SF**	1/2 - 2 15/16	D-3	18.0	18.40	27/32	2 1/16	1/32	30
1C200SF	**SF**	1/2 - 2 15/16	D-3	20.0	20.40	27/32	2 1/16	1/32	35
1C240SF	**SF**	1/2 - 2 15/16	D-3	24.0	24.40	27/32	2 1/16	1/32	41
2 GROOVES, F = 2 1/4"									
2C70SF	**SF**	1/2" - 2 15/16"	D-1	7.0	7.40	3/32	2 1/16	9/32	15
2C75SF	**SF**	1/2" - 2 15/16"	D-1	7.5	7.90	3/32	2 1/16	9/32	17
2C80SF	**SF**	1/2 - 2 15/16	D-1	8.0	8.40	3/32	2 1/16	9/32	18
2C85SF	**SF**	1/2 - 2 15/16	D-2	8.5	8.90	3/32	2 1/16	9/32	19
2C90SF	**SF**	1/2 - 2 15/16	D-2	9.0	9.40	3/32	2 1/16	9/32	20
2C95SF	**SF**	1/2 - 2 15/16	D-2	9.5	9.90	3/32	2 1/16	9/32	21
2C100SF	**SF**	1/2 - 2 15/16	D-3	10.0	10.40	3/32	2 1/16	9/32	22
2C105SF	**SF**	1/2 - 2 15/16	D-3	10.5	10.90	3/32	2 1/16	9/32	23
2C110SF	**SF**	1/2 - 2 15/16	D-3	11.0	11.40	3/32	2 1/16	9/32	24
2C120SF	**SF**	1/2 - 2 15/16	D-3	12.0	12.40	11/32	2 1/16	17/32	25
2C130SF	**SF**	1/2 - 2 15/16	D-3	13.0	13.40	11/32	2 1/16	17/32	28
2C140SF	**SF**	1/2 - 2 15/16	D-3	14.0	14.40	11/32	2 1/16	17/32	31
2C160SF	**SF**	1/2 - 2 15/16	D-3	16.0	16.40	11/32	2 1/16	17/32	36
2C180SF	**SF**	1/2 - 2 15/16	D-3	18.0	18.40	11/32	2 1/16	17/32	39
2C200SF	**SF**	1/2 - 2 15/16	D-3	20.0	20.40	11/32	2 1/16	17/32	48
2C240SF	**SF**	1/2 - 2 15/16	D-3	24.0	24.40	11/32	2 1/16	17/32	60
2C300F	**F**	1 - 4	C-3	30.0	30.40	1 7/32	3 3/4	9/32	85

***Suffix on Type indicates: 1 = Solid Construction, 2 = Web Construction, 3 = Arm Construction.**

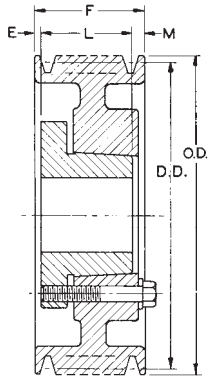
Q-D® is a registered trademark of Emerson Electric Co.

Table No. 1

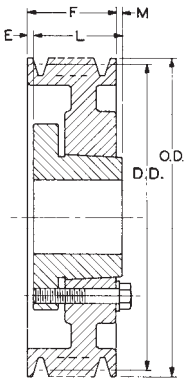
Specifications

Part No.	Bushing	Bore Range	Type *	Datum "C"	O.D.	E	L	M	Wt. Less Bushing
3 GROOVES, F = 3 1/4"									
3C50SD	SD	1/2" - 2"	A-1	5.0"	5.40"	19/32"	1 13/16"	27/32"	10
3C55SD	SD	1/2 - 2	A-1	5.5	5.90	19/32	1 13/16	27/32	12
3C60SF	SF	1/2 - 2 15/16	D-1	6.0	6.40	23/32	2 1/16	1 29/32	15
3C70SF	SF	1/2 - 2 15/16	A-1	7.0	7.40	13/32	2 1/16	25/32	18
3C75SF	SF	1/2 - 2 15/16	A-1	7.5	7.90	13/32	2 1/16	25/32	20
3C80E	E	7/8 - 3 1/2	B-1	8.0	8.40	17/32	2 3/4	1/32	26
3C85E	E	7/8 - 3 1/2	B-1	8.5	8.90	17/32	2 3/4	1/32	29
3C90E	E	7/8 - 3 1/2	A-1	9.0	9.40	15/32	2 3/4	1/32	32
3C95E	E	7/8 - 3 1/2	A-2	9.5	9.90	15/32	2 3/4	1/32	34
3C100E	E	7/8 - 3 1/2	A-2	10.0	10.40	15/32	2 3/4	1/32	36
3C105E	E	7/8 - 3 1/2	A-3	10.5	10.90	15/32	2 3/4	1/32	38
3C110E	E	7/8 - 3 1/2	A-3	11.0	11.40	15/32	2 3/4	1/32	40
3C120E	E	7/8 - 3 1/2	A-3	12.0	12.40	15/32	2 3/4	1/32	43
3C130E	E	7/8 - 3 1/2	A-3	13.0	13.40	15/32	2 3/4	1/32	45
3C140E	E	7/8 - 3 1/2	A-3	14.0	14.40	15/32	2 3/4	1/32	51
3C160E	E	7/8 - 3 1/2	A-3	16.0	16.40	15/32	2 3/4	1/32	59
3C180E	E	7/8 - 3 1/2	A-3	18.0	18.40	15/32	2 3/4	1/32	65
3C200E	E	7/8 - 3 1/2	D-3	20.0	20.40	7/32	2 3/4	23/32	70
3C240E	E	7/8 - 3 1/2	D-3	24.0	24.40	7/32	2 3/4	23/32	80
3C270F	F	1 - 4	D-3	27.0	27.40	21/32	3 3/4	5/32	105
3C300F	F	1 - 4	D-3	30.0	30.40	21/32	3 3/4	5/32	120
3C360F	F	1 - 4	D-3	36.0	36.40	21/32	3 3/4	5/32	140
3C440F	F	1 - 4	D-3	44.0	44.40	21/32	3 3/4	5/32	170
3C500F	F	1 - 4	D-3	50.0	50.40	21/32	3 3/4	5/32	190
4 GROOVES, F = 4 1/4"									
4C50SD	SD	1/2 - 2	A-1	5.0	5.40	27/32	1 13/16	1 19/32	12
4C55SD	SD	1/2 - 2	A-1	5.5	5.90	27/32	1 13/16	1 19/32	14
4C60SF	SF	1/2 - 2 15/16	A-1	6.0	6.40	21/32	2 1/16	1 17/32	17
4C70SF	SF	1/2 - 2 15/16	A-1	7.0	7.40	21/32	2 1/16	1 17/32	21
4C75SF	SF	1/2 - 2 15/16	A-1	7.5	7.90	21/32	2 1/16	1 17/32	25
4C80E	E	7/8 - 3 1/2	A-1	8.0	8.40	25/32	2 3/4	23/32	30
4C85E	E	7/8 - 3 1/2	A-1	8.5	8.90	25/32	2 3/4	23/32	33
4C90E	E	7/8 - 3 1/2	A-1	9.0	9.40	25/32	2 3/4	23/32	35
4C95E	E	7/8 - 3 1/2	A-2	9.5	9.90	25/32	2 3/4	23/32	38
4C100E	E	7/8 - 3 1/2	A-2	10.0	10.40	25/32	2 3/4	23/32	40
4C105E	E	7/8 - 3 1/2	A-2	10.5	10.90	25/32	2 3/4	23/32	43
4C110E	E	7/8 - 3 1/2	A-2	11.0	11.40	25/32	2 3/4	23/32	46
4C120E	E	7/8 - 3 1/2	A-3	12.0	12.40	25/32	2 3/4	23/32	50
4C130E	E	7/8 - 3 1/2	A-3	13.0	13.40	25/32	2 3/4	23/32	54
4C140E	E	7/8 - 3 1/2	A-3	14.0	14.40	25/32	2 3/4	23/32	59
4C160E	E	7/8 - 3 1/2	A-3	16.0	16.40	25/32	2 3/4	23/32	65
4C180E	E	7/8 - 3 1/2	A-3	18.0	18.40	25/32	2 3/4	23/32	73
4C200E	E	7/8 - 3 1/2	A-3	20.0	20.40	9/32	2 3/4	1 7/32	82
4C240E	F	1 - 4	D-3	24.0	24.40	3/32	3 3/4	19/32	105
4C270F	F	1 - 4	D-3	27.0	27.40	3/32	3 3/4	19/32	125
4C300F	F	1 - 4	D-3	30.0	30.40	3/32	3 3/4	19/32	142
4C360F	F	1 - 4	D-3	36.0	36.40	3/32	3 3/4	19/32	172
4C440J	J	1 1/2 - 4 1/2	C-3	44.0	44.40	0	4 5/8	3/8	225
4C500J	J	1 1/2 - 4 1/2	C-3	50.0	50.40	0	4 5/8	3/8	260
5 GROOVES, F = 5 1/4"									
5C60SF	SF	1/2 - 2 15/16	A-1	6.0	6.40	1 1/32	2 1/16	2 5/32	21
5C70SF	SF	1/2 - 2 15/16	A-1	7.0	7.40	1 1/32	2 1/16	2 5/32	26
5C75SF	SF	1/2 - 2 15/16	A-1	7.5	7.90	1 1/32	2 1/16	2 5/32	28
5C80E	E	7/8 - 3 1/2	A-1	8.0	8.40	1 5/32	2 3/4	1 11/32	33
5C85E	E	7/8 - 3 1/2	A-1	8.5	8.90	1 5/32	2 3/4	1 11/32	37
5C90E	E	7/8 - 3 1/2	A-1	9.0	9.40	1 5/32	2 3/4	1 11/32	40
5C95E	E	7/8 - 3 1/2	A-2	9.5	9.90	1 5/32	2 3/4	1 11/32	42
5C100E	E	7/8 - 3 1/2	A-2	10.0	10.40	1 5/32	2 3/4	1 11/32	45
5C105E	E	7/8 - 3 1/2	A-2	10.5	10.90	1 5/32	2 3/4	1 11/32	47
5C110E	E	7/8 - 3 1/2	A-2	11.0	11.40	1 5/32	2 3/4	1 11/32	50
5C120E	E	7/8 - 3 1/2	A-2	12.0	12.40	1 5/32	2 3/4	1 11/32	53
5C130E	E	7/8 - 3 1/2	A-3	13.0	13.40	1 5/32	2 3/4	1 11/32	58
5C140E	E	7/8 - 3 1/2	A-3	14.0	14.40	1 5/32	2 3/4	1 11/32	64
5C160E	E	7/8 - 3 1/2	A-3	16.0	16.40	1 5/32	2 3/4	1 11/32	73
5C180E	E	7/8 - 3 1/2	A-3	18.0	18.40	1 5/32	2 3/4	1 11/32	85
5C200F	F	1 - 4	D-3	20.0	20.40	3/32	3 3/4	1 19/32	98
5C240F	F	1 - 4	D-3	24.0	24.40	3/32	3 3/4	1 19/32	119
5C270F	F	1 - 4	D-3	27.0	27.40	3/32	3 3/4	1 19/32	153
5C300F	F	1 - 4	D-3	30.0	30.40	3/32	3 3/4	1 19/32	174
5C360J	J	1 1/2 - 4 1/2	A-3	36.0	36.40	1/16	4 5/8	9/16	206
5C440J	J	1 1/2 - 4 1/2	A-3	44.0	44.40	1/16	4 5/8	9/16	254
5C500J	J	1 1/2 - 4 1/2	A-3	50.0	50.40	1/16	4 5/8	9/16	274

*** Suffix on Type indicates: 1 = Solid Construction; 2 = Web Construction, 3 = Arm Construction**



TYPE A



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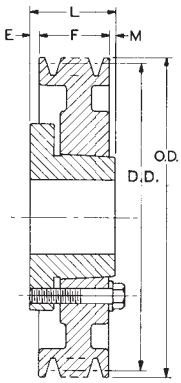
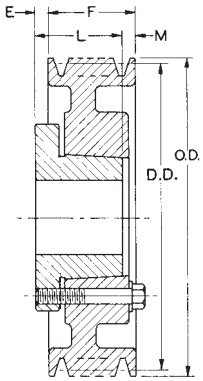


TYPE C



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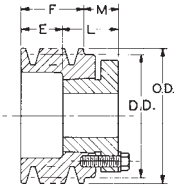


TYPE E

Standard Keyseats

Table No. 1

Bore Range	Keyseat
1/2" - 9/16"	1/8" x 1/16"
5/8 - 7/8	3/16 x 3/32
15/16 - 1 1/4	1/4 x 1/8
1 5/16 - 1 3/8	5/16 x 5/32
1 7/16 - 1 3/4	3/8 x 3/16
1 13/16 - 2 1/4	1/2 x 1/4
2 5/16 - 2 3/4	5/8 x 5/16
2 13/16 - 3 1/4	3/4 x 3/8
3 3/8 - 3 3/4	7/8 x 7/16
3 7/8 - 4 1/2	1 x 1/2
4 5/8 - 5 1/2	1 1/4 x 5/8

1 3/8" Bore Bushings also available with 3/8" x 3/16" Keyseat

Table No. 2

Specifications

Part No.	Bushing	Bore Range	Type *	Datum "C"	O.D.	E	L	M	Wt. Less Bushing
6 GROOVES, F = 6 1/4"									
6C60SF	SF	1/2" - 2 15/16"	A-1	6.0"	6.40"	1 1/32"	2 1/16"	3 5/32"	20
6C70SF	SF	1/2 - 2 15/16	A-1	7.0	7.40	1 1/32	2 1/16	3 5/32	26
6C75SF	SF	1/2 - 2 15/16	A-1	7.5	7.90	1 1/32	2 1/16	3 5/32	29
6C80E	E	7/8 - 3 1/2	A-1	8.0	8.40	1 5/32	2 3/4	2 11/32	36
6C85E	E	7/8 - 3 1/2	A-1	8.5	8.90	1 5/32	2 3/4	2 11/32	39
6C90F	F	1 - 4	A-1	9.0	9.40	1 1/32	3 3/4	1 15/32	51
6C95F	F	1 - 4	A-1	9.5	9.90	1 1/32	3 3/4	1 15/32	55
6C100F	F	1 - 4	A-1	10.0	10.40	1 1/32	3 3/4	1 15/32	59
6C105F	F	1 - 4	A-2	10.5	10.90	1 1/32	3 3/4	1 15/32	62
6C110F	F	1 - 4	A-2	11.0	11.40	1 1/32	3 3/4	1 15/32	66
6C120F	F	1 - 4	A-2	12.0	12.40	1 1/32	3 3/4	1 15/32	70
6C130F	F	1 - 4	A-3	13.0	13.40	1 1/32	3 3/4	1 15/32	74
6C140F	F	1 - 4	A-3	14.0	14.40	1 1/32	3 3/4	1 15/32	80
6C160F	F	1 - 4	A-3	16.0	16.40	1 1/32	3 3/4	1 15/32	89
6C180F	F	1 - 4	A-3	18.0	18.40	1 1/32	3 3/4	1 15/32	102
6C200F	F	1 - 4	A-3	20.0	20.40	17/32	3 3/4	1 31/32	112
6C240F	F	1 - 4	A-3	24.0	24.40	17/32	3 3/4	1 3t1/32	131
6C270J	J	1 1/2 - 4 1/2	A-3	27.0	27.40	1/16	4 5/8	1 9/16	160
6C300J	J	1 1/2 - 4 1/2	A-3	30.0	30.40	1/16	4 5/8	1 9/16	190
6C360J	J	1 1/2 - 4 1/2	A-3	36.0	36.40	1/16	4 5/8	1 9/16	232
6C440J	J	1 1/2 - 4 1/2	A-3	44.0	44.40	1/16	4 5/8	1 9/16	299
6C500M	M	2 - 5 1/2	B-3	50.0	50.40	7/32	6 3/4	23/32	320
8 GROOVES, F = 8 1/4"									
8C80E	E	7/8 - 3 1/2	A-1	8.0	8.40	2 1/32	2 3/4	3 15/32	43
8C85E	E	7/8 - 3 1/2	A-1	8.5	8.90	2 1/32	2 3/4	3 15/32	48
8C90F	F	1 - 4	A-1	9.0	9.40	1 29/32	3 3/4	2 19/32	60
8C95F	F	1 - 4	A-1	9.5	9.90	1 29/32	3 3/4	2 19/32	65
8C100F	F	1 - 4	A-1	10.0	10.40	1 29/32	3 3/4	2 19/32	69
8C105F	F	1 - 4	A-2	10.5	10.90	1 29/32	3 3/4	2 19/32	73
8C110F	F	1 - 4	A-2	11.0	11.40	1 29/32	3 3/4	2 19/32	78
8C120F	F	1 - 4	A-3	12.0	12.40	1 29/32	3 3/4	2 19/32	83
8C130F	F	1 - 4	A-3	13.0	13.40	1 29/32	3 3/4	2 19/32	89
8C140F	F	1 - 4	A-3	14.0	14.40	1 29/32	3 3/4	2 19/32	97
8C160F	F	1 - 4	A-3	16.0	16.40	1 29/32	3 3/4	2 19/32	113
8C180F	F	1 - 4	A-3	18.0	18.40	1 29/32	3 3/4	2 19/32	131
8C200J	J	1 1/2 - 4 1/2	A-3	20.0	20.40	1/16	4 5/8	3 9/16	152
8C240J	J	1 1/2 - 4 1/2	A-3	24.0	24.40	1/16	4 5/8	3 9/16	185
8C270J	J	1 1/2 - 4 1/2	A-3	27.0	27.40	1/16	4 5/8	3 9/16	208
8C300J	J	1 1/2 - 4 1/2	A-3	30.0	30.40	1/16	4 5/8	3 9/16	230
8C360M	M	2 - 5 1/2	A-3	36.0	36.40	9/32	6 3/4	1 7/32	306
8C440M	M	2 - 5 1/2	A-3	44.0	44.40	9/32	6 3/4	1 7/32	400
8C500M	M	2 - 5 1/2	A-3	50.0	50.40	9/32	6 3/4	1 7/32	475

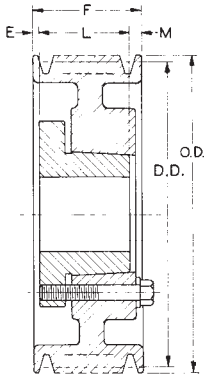
*** Suffix on Type indicates: 1 = Solid Construction; 2 = Web Construction, 3 = Arm Construction**

Table No. 1

Specifications

Part No.	Bushing	Bore Range	Type *	Datum "C"	O.D.	E	L	M	Wt. Less Bushing
10 GROOVES, F = 10 1/4"									
10C80E	E	7/8" - 3 1/2"	A-1	8.0"	8.40"	2 1/32"	2 3/4"	5 15/32"	65
10C85E	E	7/8 - 3 1/2	A-1	8.5	8.90	2 1/32	2 3/4	5 15/32	69
10C90J	J	1 1/2 - 4 1/2	A-1	9.0	9.40	2 1/16	4 5/8	3 9/16	73
10C95J	J	1 1/2 - 4 1/2	A-1	9.5	9.90	2 1/16	4 5/8	3 9/16	79
10C100J	J	1 1/2 - 4 1/2	A-1	10.0	10.40	2 1/16	4 5/8	3 9/16	84
10C105J	J	1 1/2 - 4 1/2	A-1	10.5	10.90	2 1/16	4 5/8	3 9/16	95
10C110J	J	1 1/2 - 4 1/2	A-1	11.0	11.40	2 1/16	4 5/8	3 9/16	104
10C120J	J	1 1/2 - 4 1/2	A-1	12.0	12.40	2 1/16	4 5/8	3 9/16	113
10C130J	J	1 1/2 - 4 1/2	A-3	13.0	13.40	2 1/16	4 5/8	3 9/16	121
10C140J	J	1 1/2 - 4 1/2	A-3	14.0	14.40	2 1/16	4 5/8	3 9/16	128
10C160J	J	1 1/2 - 4 1/2	A-3	16.0	16.40	2 1/16	4 5/8	3 9/16	146
10C180J	J	1 1/2 - 4 1/2	A-3	18.0	18.40	2 1/16	4 5/8	3 9/16	161
10C200J	J	1 1/2 - 4 1/2	A-3	20.0	20.40	2 1/16	4 5/8	3 9/16	175
10C240M	M	2 - 5 1/2	A-3	24.0	24.40	9/32	6 3/4	3 7/32	265
10C300M	M	2 - 5 1/2	A-3	30.0	30.40	9/32	6 3/4	3 7/32	310
10C360M	M	2 - 5 1/2	A-3	36.0	36.40	9/32	6 3/4	3 7/32	345
10C440M	M	2 - 5 1/2	A-3	44.0	44.40	9/32	6 3/4	3 7/32	450
10C500M	M	2 - 5 1/2	A-3	50.0	50.40	9/32	6 3/4	3 7/32	500
12 GROOVES, F = 12 1/4"									
12C90J	J	1 1/2 - 4 1/2	A-1	9.0	9.40	2 9/16	4 5/8	5 1/16	80
12C95J	J	1 1/2 - 4 1/2	A-1	9.5	9.90	2 9/16	4 5/8	5 1/16	88
12C100J	J	1 1/2 - 4 1/2	A-1	10.0	10.40	2 9/16	4 5/8	5 1/16	95
12C105J	J	1 1/2 - 4 1/2	A-1	10.5	10.90	2 9/16	4 5/8	5 1/16	101
12C110J	J	1 1/2 - 4 1/2	A-1	11.0	11.40	2 9/16	4 5/8	5 1/16	111
12C120J	J	1 1/2 - 4 1/2	A-2	12.0	12.40	2 9/16	4 5/8	5 1/16	127
12C130J	J	1 1/2 - 4 1/2	A-3	13.0	13.40	2 9/16	4 5/8	5 1/16	137
12C140J	J	1 1/2 - 4 1/2	A-3	14.0	14.40	2 9/16	4 5/8	5 1/16	150
12C160J	J	1 1/2 - 4 1/2	A-3	16.0	16.40	2 9/16	4 5/8	5 1/16	170
12C180J	J	1 1/2 - 4 1/2	A-3	18.0	18.40	2 9/16	4 5/8	5 1/16	205
12C200M	M	2 - 5 1/2	A-3	20.0	20.40	9/32	6 3/4	5 7/32	245
12C240M	M	2 - 5 1/2	A-3	24.0	24.40	9/32	6 3/4	5 7/32	285
12C300M	M	2 - 5 1/2	A-3	30.0	30.40	9/32	6 3/4	5 7/32	355
12C360M	M	2 - 5 1/2	A-3	36.0	36.40	9/32	6 3/4	5 7/32	420
12C440M	M	2 - 5 1/2	A-3	44.0	44.40	9/32	6 3/4	5 7/32	515
12C500M	M	2 - 5 1/2	A-3	50.0	50.40	9/32	6 3/4	5 7/32	575

*** Suffix on Type indicates: 1 = Solid Construction; 2 = Web Construction, 3 = Arm Construction**



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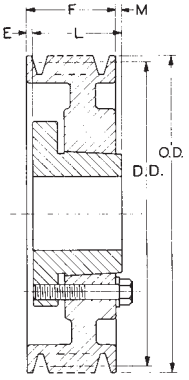

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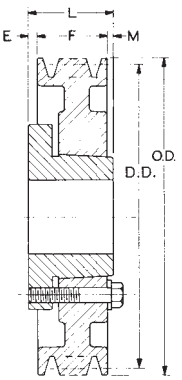

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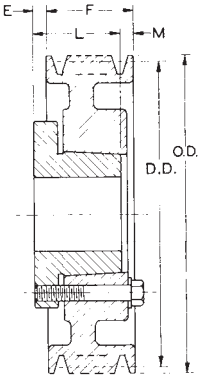

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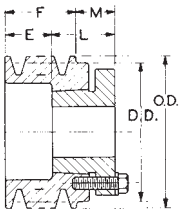


TYPE E

Standard Keyseats

Table No. 1

Bore Range	Keyseat
15/16" - 1 1/4"	1/4" x 1/8"
1 5/16 - 1 3/8	5/16 x 5/32
1 7/16 - 1 3/4	3/8 x 3/16
1 13/16 - 2 1/4	1/2 x 1/4
2 5/16 - 2 3/4	5/8 x 5/16
2 13/16 - 3 1/4	3/4 x 3/8
3 3/8 - 3 3/4	7/8 x 7/16
3 7/8 - 4 1/2	1 x 1/2
4 9/16 - 5 1/2	1 1/4 x 5/8
5 9/16 - 6 1/2	1 1/2 x 3/4
6 9/16 - 7	1 3/4 x 3/4

1 3/8" Bore Bushings also available with 3/8" x 3/16" Keyseat

Table No. 2

Specifications

Part No.	Bushing	Bore Range	Type *	Datum "D"	O.D.	E	L	M	Wt. Less Bushing
3 GROOVES, F = 4 5/8"									
3D120F	F	1" - 4"	A-2	12.0"	12.64"	5/32"	3 3/4"	23/32"	70
3D130F	F	1 - 4	A-2	13.0	13.64	5/32	3 3/4	23/32	76
3D135F	F	1 - 4	A-2	13.5	14.14	5/32	3 3/4	23/32	79
3D140F	F	1 - 4	A-2	14.0	14.64	5/32	3 3/4	23/32	82
3D145F	F	1 - 4	A-3	14.5	15.14	5/32	3 3/4	23/32	85
3D150F	F	1 - 4	A-3	15.0	15.64	5/32	3 3/4	23/32	89
3D155F	F	1 - 4	A-3	15.5	16.14	5/32	3 3/4	23/32	92
3D160F	F	1 - 4	A-3	16.0	16.64	5/32	3 3/4	23/32	96
3D180J	J	1 1/2 - 4 1/2	D-3	18.0	18.64	1/4	4 5/8	1/4	110
3D200J	J	1 1/2 - 4 1/2	D-3	20.0	20.64	1/4	4 5/8	1/4	120
3D220J	J	1 1/2 - 4 1/2	D-3	22.0	22.64	1/4	4 5/8	1/4	130
3D270J	J	1 1/2 - 4 1/2	D-3	27.0	27.64	1/4	4 5/8	1/4	173
3D330J	J	1 1/2 - 4 1/2	D-3	33.0	33.64	1/4	4 5/8	1/4	240
3D400J	J	1 1/2 - 4 1/2	D-3	40.0	40.64	1/4	4 5/8	1/4	300
4 GROOVES, F = 6 1/16"									
4D120F	F	1 - 4	A-2	12.0	12.64	31/32	3 3/4	1 11/32	83
4D130F	F	1 - 4	A-2	13.0	13.64	31/32	3 3/4	1 11/32	86
4D135F	F	1 - 4	A-2	13.5	14.14	31/32	3 3/4	1 11/32	89
4D140F	F	1 - 4	A-2	14.0	14.64	31/32	3 3/4	1 11/32	92
4D145F	F	1 - 4	A-3	14.5	15.14	31/32	3 3/4	1 11/32	95
4D150F	F	1 - 4	A-3	15.0	15.64	31/32	3 3/4	1 11/32	99
4D155F	F	1 - 4	A-3	15.5	16.14	31/32	3 3/4	1 11/32	102
4D160F	F	1 - 4	A-3	16.0	16.64	31/32	3 3/4	1 11/32	106
4D180J	J	1 1/2 - 4 1/2	A-3	18.0	18.64	1/8	4 5/8	1 5/16	120
4D200J	J	1 1/2 - 4 1/2	A-3	20.0	20.64	1/8	4 5/8	1 5/16	132
4D220J	J	1 1/2 - 4 1/2	A-3	22.0	22.64	1/8	4 5/8	1 5/16	155
4D270J	J	1 1/2 - 4 1/2	A-3	27.0	27.64	1/8	4 5/8	1 5/16	193
4D330M	M	2 - 5 1/2	B-3	33.0	33.64	11/32	6 3/4	1 1/32	280
4D400M	M	2 - 5 1/2	B-3	40.0	40.64	11/32	6 3/4	1 1/32	348
4D480M	M	2 - 5 1/2	B-3	48.0	48.64	11/32	6 3/4	1 1/32	380
4D580M	M	2 - 5 1/2	B-3	58.0	58.64	11/32	6 3/4	1 1/32	420
5 GROOVES, F = 7 1/2"									
5D120F	F	1 - 4	A-2	12.0	12.64	1 23/32	3 3/4	2 1/32	93
5D130F	F	1 - 4	A-2	13.0	13.64	1 23/32	3 3/4	2 1/32	96
5D135F	F	1 - 4	A-2	13.5	14.14	1 23/32	3 3/4	2 1/32	102
5D140F	F	1 - 4	A-2	14.0	14.64	1 23/32	3 3/4	2 1/32	106
5D145F	F	1 - 4	A-3	14.5	15.14	1 23/32	3 3/4	2 1/32	112
5D150F	F	1 - 4	A-3	15.0	15.64	1 23/32	3 3/4	2 1/32	120
5D155F	F	1 - 4	A-3	15.5	16.14	1 23/32	3 3/4	2 1/32	125
5D160F	F	1 - 4	A-3	16.0	16.64	1 23/32	3 3/4	2 1/32	130
5D180J	J	1 1/2 - 4 1/2	A-3	18.0	18.64	1 7/8	4 5/8	1	150
5D200J	J	1 1/2 - 4 1/2	A-3	20.0	20.64	1/8	4 5/8	2 3/4	160
5D220J	J	1 1/2 - 4 1/2	A-3	22.0	22.64	1/8	4 5/8	2 3/4	190
5D270M	M	2 - 5 1/2	A-3	27.0	27.64	11/32	6 3/4	13/32	260
5D330M	M	2 - 5 1/2	A-3	33.0	33.64	11/32	6 3/4	13/32	320
5D400M	M	2 - 5 1/2	A-3	40.0	40.64	11/32	6 3/4	13/32	390
5D480M	M	2 - 5 1/2	A-3	48.0	48.64	11/32	6 3/4	13/32	450
5D580M	M	2 - 5 1/2	A-3	58.0	58.64	11/32	6 3/4	13/32	500

***Suffix on type indicates: 1 = Solid Construction, 2 = Web Construction, 3 = Arm Construction.**

Table No. 1

Specifications

Part No.	Bushing	Bore Range	Type *	Datum "D"	O.D.	E	L	M	Wt. Less Bushing
6 GROOVES, F = 8 15/16"									
6D120J	J	1 1/2" - 4 1/2"	A-1	12.0"	12.64"	1 7/8"	4 5/8"	2 7/16"	115
6D130J	J	1 1/2 - 4 1/2	A-2	13.0	13.64	1 7/8	4 5/8	2 7/16	125
6D135J	J	1 1/2 - 4 1/2	A-2	13.5	14.14	1 7/8	4 5/8	2 7/16	135
6D140J	J	1 1/2 - 4 1/2	A-2	14.0	14.64	1 7/8	4 5/8	2 7/16	145
6D145J	J	1 1/2 - 4 1/2	A-2	14.5	15.14	1 7/8	4 5/8	2 7/16	150
6D150J	J	1 1/2 - 4 1/2	A-2	15.0	15.64	1 7/8	4 5/8	2 7/16	160
6D155J	J	1 1/2 - 4 1/2	A-3	15.5	16.14	1 7/8	4 5/8	2 7/16	165
6D160J	J	1 1/2 - 4 1/2	A-3	16.0	16.64	1 7/8	4 5/8	2 7/16	170
6D180J	J	1 1/2 - 4 1/2	A-3	18.0	18.64	1 7/8	4 5/8	2 7/16	180
6D200J	J	1 1/2 - 4 1/2	A-3	20.0	20.64	1 7/8	4 5/8	2 7/16	215
6D220M	M	2 - 5 1/2	A-3	22.0	22.64	11/32	6 3/4	1 27/32	250
6D270M	M	2 - 5 1/2	A-3	27.0	27.64	11/32	6 3/4	1 27/32	300
6D330M	M	2 - 5 1/2	A-3	33.0	33.64	11/32	6 3/4	1 27/32	360
6D400M	M	2 - 5 1/2	A-3	40.0	40.64	11/32	6 3/4	1 27/32	440
6D480M	M	2 - 5 1/2	A-3	48.0	48.64	11/32	6 3/4	1 27/32	560
6D580N	N	2 7/16 - 5 7/8	A-3	58.0	58.64	3/16	8 1/8	5/8	660
8 GROOVES, F = 11 13/16"									
8D120J	J	1 1/2 - 4 1/2	A-1	12.0	12.64	2 1/8	4 5/8	5 1/16	140
8D130J	J	1 1/2 - 4 1/2	A-2	13.0	13.64	2 1/8	4 5/8	5 1/16	150
8D135J	J	1 1/2 - 4 1/2	A-2	13.5	14.14	2 1/8	4 5/8	5 1/16	160
8D140J	J	1 1/2 - 4 1/2	A-2	14.0	14.64	2 1/8	4 5/8	5 1/16	170
8D145J	J	1 1/2 - 4 1/2	A-2	14.5	15.14	2 1/8	4 5/8	5 1/16	178
8D150J	J	1 1/2 - 4 1/2	A-2	15.0	15.64	2 1/8	4 5/8	5 1/16	182
8D155J	J	1 1/2 - 4 1/2	A-2	15.5	16.14	2 1/8	4 5/8	5 1/16	190
8D160J	J	1 1/2 - 4 1/2	A-2	16.0	16.64	2 1/8	4 5/8	5 1/16	201
8D180M	M	2 - 5 1/2	A-3	18.0	18.64	2 11/32	6 3/4	2 23/32	260
8D200M	M	2 - 5 1/2	A-3	20.0	20.64	2 11/32	6 3/4	2 23/32	270
8D220M	M	2 - 5 1/2	A-3	22.0	22.64	11/32	6 3/4	4 23/32	300
8D270M	M	2 - 5 1/2	A-3	27.0	27.64	11/32	6 3/4	4 23/32	350
8D330M	M	2 - 5 1/2	A-3	33.0	33.64	11/32	6 3/4	4 23/32	450
8D400N	N	2 7/16 - 5 7/8	A-3	40.0	40.64	3/16	8 1/8	3 1/2	550
8D480N	N	2 7/16 - 5 7/8	A-3	48.0	48.64	3/16	8 1/8	3 1/2	720
8D580N	N	2 7/16 - 5 7/8	A-3	58.0	58.64	3/16	8 1/8	3 1/2	900
10 GROOVES, F = 14 11/16"									
10D120M	M	2 - 5 1/2	A-1	12.0	12.64	2 11/32	6 3/4	5 19/32	190
10D130M	M	2 - 5 1/2	A-1	13.0	13.64	2 11/32	6/34	5 19/32	220
10D135M	M	2 - 5 1/2	A-1	13.5	14.14	2 11/32	6/34	5 19/32	240
10D140M	M	2 - 5 1/2	A-1	14.0	14.64	2 11/32	6/34	5 19/32	250
10D145M	M	2 - 5 1/2	A-2	14.5	15.14	2 11/32	6/34	5 19/32	260
10D150M	M	2 - 5 1/2	A-2	15.0	15.64	2 11/32	6/34	5 19/32	270
10D155M	M	2 - 5 1/2	A-2	15.5	16.14	2 11/32	6/34	5 19/32	280
10D160M	M	2 - 5 1/2	A-2	16.0	16.64	2 11/32	6/34	5 19/32	290
10D180M	M	2 - 5 1/2	A-2	18.0	18.64	2 11/32	6/34	5 19/32	310
10D200M	M	2 - 5 1/2	A-2	20.0	20.64	2 11/32	6/34	5 19/32	330
10D220M	M	2 - 5 1/2	A-3	22.0	22.64	1 11/32	6/34	6 19/32	350
10D270M	M	2 - 5 1/2	A-3	27.0	27.64	1 11/32	6/34	6 19/32	440
10D330N	N	2 7/16 - 5 7/8	A-3	33.0	33.64	1 3/16	8 1/8	5 5/8	500
10D400N	N	2 7/16 - 5 7/8	A-3	40.0	40.64	1 3/16	8 1/8	5 3/8	650
10D480P	P	2 15/16 - 7	A-3	48.0	48.64	1/4	9 3/8	5 1/16	920
10D580P	P	2 15/16 - 7	A-3	58.0	58.64	1/4	9 3/8	5 1/16	1100
12 GROOVES, F = 17 9/16"									
12D120M	M	2 - 5 1/2	A-1	12.0	12.64	3 11/32	6 3/4	7 15/32	220
12D130M	M	2 - 5 1/2	A-1	13.0	13.64	3 11/32	6 3/4	7 15/32	250
12D135M	M	2 - 5 1/2	A-1	13.5	14.14	3 11/32	6 3/4	7 15/32	270
12D140M	M	2 - 5 1/2	A-1	14.0	14.64	3 11/32	6 3/4	7 15/32	280
12D145M	M	2 - 5 1/2	A-1	14.5	15.14	3 11/32	6 3/4	7 15/32	300
12D150M	M	2 - 5 1/2	A-2	15.0	15.64	3 11/32	6 3/4	7 15/32	305
12D155M	M	2 - 5 1/2	A-1	15.5	16.14	3 11/32	6 3/4	7 15/32	310
12D160M	M	2 - 5 1/2	A-2	16.0	16.64	3 11/32	6 3/4	7 15/32	320
12D180M	M	2 - 5 1/2	A-2	18.0	18.64	3 11/32	6 3/4	7 15/32	340
12D200M	M	2 - 5 1/2	A-2	20.0	20.64	3 11/32	6 3/4	7 15/32	360
12D220M	M	2 - 5 1/2	A-3	22.0	22.64	2 11/32	6 3/4	8 15/32	400
12D270N	N	2 7/16 - 5 7/8	A-3	27.0	27.64	2 3/16	8 1/8	7 1/4	520
12D330N	N	2 7/16 - 5 7/8	A-3	33.0	33.64	2 5/16	8 1/8	7 1/4	665
12D400P	P	2 15/16 - 7	A-3	40.0	40.64	1/4	9 3/8	7 15/16	870
12D480P	P	2 15/16 - 7	A-3	48.0	48.64	1/4	9 3/8	7 15/16	1090
12D580P	P	2 15/16 - 7	A-3	58.0	58.64	1/4	9 3/8	7 15/16	1300

*** Suffix on Type indicates: 1 = Solid Construction, 2 = Web Construction, 3 = Arm Construction.**

"358" GRIPBELT® DRIVES

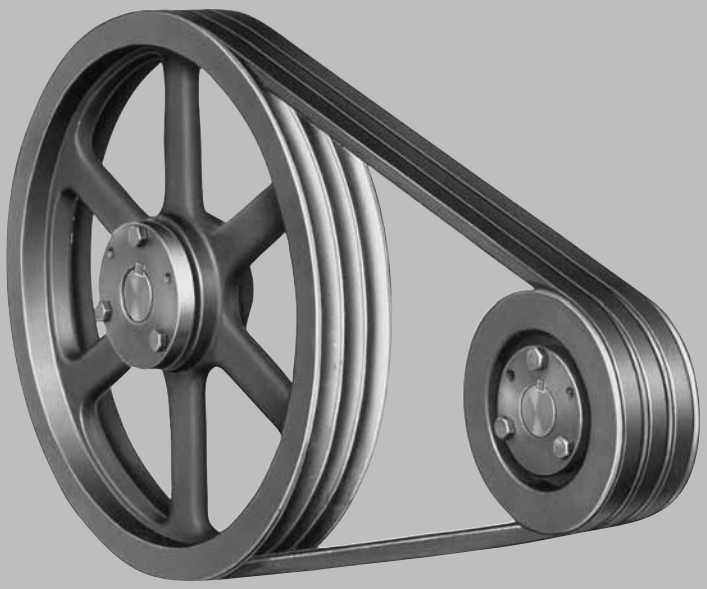
MORE HORSE POWER IN LESS SPACE

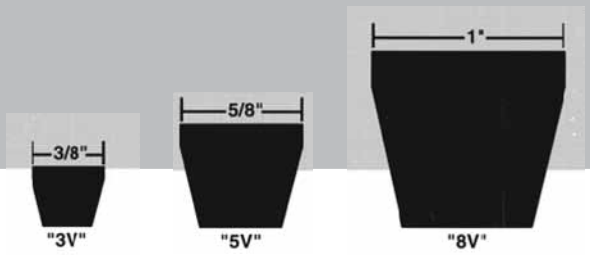
Browning "358" Gripbelt® Drives combine the improved performance characteristics of today's higher quality synthetic materials with amore compact cross-section to provide an efficient mode of power transmission. Because of the significantly higher capacity of these belts, drives are designed with shorter center distances and smaller sheaves. Overall drive dimensions are reduced by as much as 40%; weight savings of up to 25% are achievable. All material savings are reflected in the lower cost of the drives.

Browning "358" Gripbelt® Drives are furnished in only three cross-sections to cover the entire range of the drive requirements. This results in a substantial reduction of both belt and sheave inventories.

The belt cross-section approaches a true "V" as shown. The groove walls of the sheaves provide more equalized support to the tension members since there is more side wall contact area. These factors, plus the tougher, more resilient belt materials, provide V-belts with exceptional transmission capacity.

1. The "3V" belt measures 3/8" across the top and 5/16" in thickness and is available in lengths from 25" through 140".
2. The "5V" belt measures 5/8" across the top and 17/32" in thickness and is available in lengths from 45" through 355"
3. The "8V" belt measures 1" across the top and 7/8" in thickness and is available in lengths from 100" to 500".

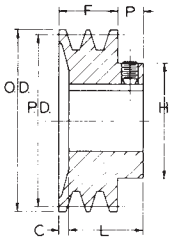




"358" GRIPBELT® SHEAVES

Belt Size	Type		Number of Grooves								
			1	2	3	4	5	6	8	10	12, 14, 16
3V	Bushing Type	PD Bore	2.60 - 24.95 3/8" - 2 11/16"	2.60 - 24.95 3/8" - 2 11/16"	2.60 - 33.45 3/8" - 3 3/4"	2.60 - 33.45 3/8" - 3 3/4"	4.70 - 33.45 1/2" - 3 3/4"	4.70 - 33.45 3/4" - 3 3/4"	4.70 - 33.45 1" - 4 1/4"	4.70 - 33.45 1" - 4 1/4"	
	Finished Bore	PD Bore	2.60 - 3.30 5/8 - 7/8	2.60 - 3.30 3/4 - 1 1/8	2.60 - 3.30 7/8 - 1 1/8	2.60 - 3.30 7/8 - 1 3/8					
5V	Bushing Type	PD Bore	4.3 - 27.90 1/2 - 2 7/8	4.3 - 27.90 1/2 - 3 3/4	4.3 - 49.90 1/2 - 5	4.3 - 49.90 1/2 - 5	4.3 - 49.90 3/4 - 5	7.0 - 49.90 1 - 5	7.0 - 49.90 1 - 5	7.90 - 49.90 1 3/8 - 5	
8V	Bushing Type	PD Bore				12.3 - 63.8 1 11/16 - 5	12.3 - 63.8 1 11/16 - 5	12.3 - 63.8 1 11/16 - 5	12.3 - 63.8 1 7/8 - 7 7/16	12.3 - 63.8 2 3/8 - 7 7/16	12.3 - 63.8 2 7/16" - 7 7/16"

Classical and "358" Gripbelt Sheaves are available in either of two bushing types: Split Taper or QD.



TYPE F

Browning Finished Bore "358" Gripbelt® Sheaves are machined from top quality fine-grain gray iron castings. They are accurately machined and balanced. They are furnished with standard keyseats and hollow head setscrews.

Standard Keyseats

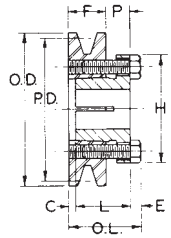
Table No. 1

Bore Range	Keyseat
5/8" - 7/8"	3/16" x 3/32"
1 - 1 1/8	1/4 x 1/8

Table No. 2

Specifications — Stock "3V" Sheaves

DIAMETERS			Part No.	Type	DIMENSIONS				Stock Bores Marked "X"							Wt. Lbs.
Pitch "3V" Belts	Outside	Inside			F	H	L	P	C	5/8"	3/4"	7/8"	1"	1 1/8"	1 3/8"	
1 Groove																
2.60"	2.65"	-	**1F3V26**	F	11/16"	1 9/16"	15/16"	27/64"	11/64"	x	x	-	-	-	-	.7
2.75	2.80	-	**1F3V28**	F	11/16	1 9/16	15/16	27/64	11/64	x	x	-	-	-	-	.8
2.95	3.00	-	**1F3V30**	F	11/16	1 9/16	15/16	27/64	11/64	-	x	x	-	-	-	.8
3.10	3.15	-	**1F3V31**	F	11/16	1 9/16	15/16	27/64	11/64	-	-	x	-	-	-	.8
3.30	3.35	-	**1F3V33**	F	11/16	1 9/16	15/16	27/64	11/64	-	-	x	-	-	-	1.0
2 Grooves																
2.60"	2.65"	-	**2F3V26**	F	1 3/32"	1 7/8"	1 3/8"	15/32"	3/16"	-	x	x	x	-	-	1.3
2.75	2.80	-	**2F3V28**	F	1 3/32	1 7/8	1 3/8	15/32	3/16	-	x	x	x	-	-	1.4
2.95	3.00	-	**2F3V30**	F	1 3/32	1 7/8	1 3/8	15/32	3/16	-	-	x	x	-	-	1.4
3.10	3.15	-	**2F3V31**	F	1 3/32	1 7/8	1 3/8	15/32	3/16	-	-	x	x	x	-	1.6
3.30	3.35	-	**2F3V33**	F	1 3/32	1 7/8	1 3/8	15/32	3/16	-	-	x	x	x	-	1.9
3 Grooves																
2.60"	2.65"	-	**3F3V26**	F	1 1/2"	1 7/8"	1 23/32"	15/32"	1/4"	-	-	x	x	x	-	1.5
2.75	2.80	-	**3F3V28**	F	1 1/2	1 7/8	1 23/32	15/32	1/4	-	-	x	x	x	-	1.7
2.95	3.00	-	**3F3V30**	F	1 1/2	1 7/8	1 23/32	15/32	1/4	-	-	-	x	x	-	1.9
3.10	3.15	-	**3F3V31**	F	1 1/2	1 7/8	1 23/32	15/32	1/4	-	-	-	x	x	-	2.1
3.30	3.35	-	**3F3V33**	F	1 1/2	1 7/8	1 23/32	15/32	1/4	-	-	-	x	x	-	2.5
4 Grooves																
2.60"	2.65"	-	**4F3V26**	F	1 29/32"	2 3/16"	2 1/8"	15/32"	1/4"	-	-	x	x	x	-	1.9
2.75	2.80	-	**4F3V28**	F	1 29/32	2 3/16	2 1/8	15/32	1/4	-	-	x	x	x	-	2.4
2.95	3.00	-	**4F3V30**	F	1 29/32	2 3/16	2 1/8	15/32	1/4	-	-	-	x	x	x	2.5
3.10	3.15	-	**4F3V31**	F	1 29/32	2 3/16	2 1/8	15/32	1/4	-	-	-	x	x	x	2.8
3.30	3.35	-	**4F3V33**	F	1 29/32	2 3/16	2 1/8	15/32	1/4	-	-	-	x	x	x	3.4



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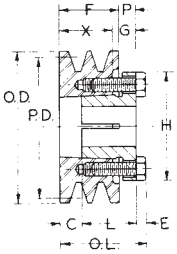

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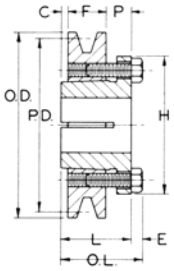

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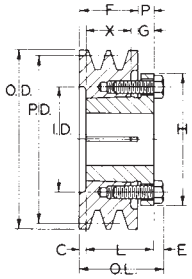

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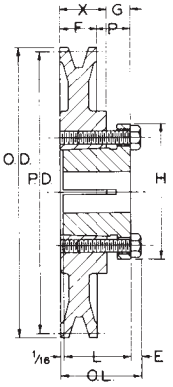

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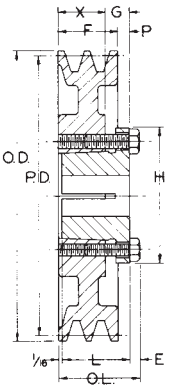
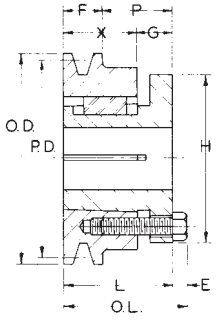
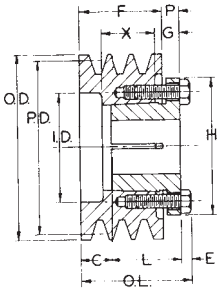


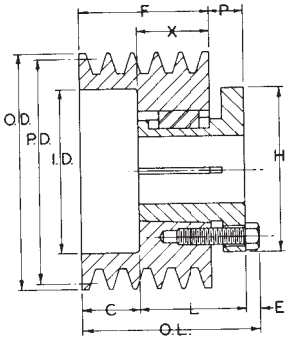
TYPE H-4



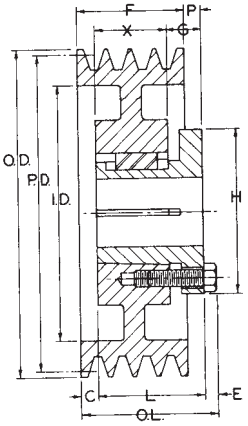
TYPE 2



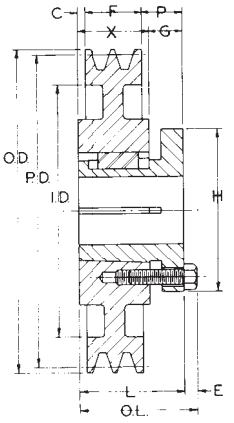
TYPE 4



TYPE 5



TYPE 13



TYPE 16

Table No. 1

Specifications — Stock "3V" Sheaves

DIAMETERS			Part Number		Type	Dimensions								Wt. Less Bush.
Pitch "3V" Belts	Outside	Inside	Sheave	Bushing		O.L.	L	P	C	H	G	X	E	
1 GROOVE, F = 11/16"														
2.60"	2.65"	-	**1G3V26**	**G**	G-1	1 5/16"	1"	7/16"	1/8"	2"	-	-	3/16"	.6
2.75	2.80	-	**1G3V28**	**G**	G-1	1 5/16	1	7/16	1/8	2	-	-	3/16	.7
2.95	3.00	-	**1G3V30**	**G**	G-1	1 5/16	1	7/16	1/8	2	-	-	3/16	.9
3.10	3.15	-	**1H3V31**	**H**	H-1	1 7/16	1 1/4	7/16	1/8	2 1/2	-	-	3/16	.8
3.30	3.35	-	**1H3V33**	**H**	H-1	1 7/16	1 1/4	7/16	1/8	2 1/2	-	-	3/16	.9
3.60	3.65	-	**1H3V36**	**H**	H-3	1 1/2	1 1/4	5/8	-	2 1/2	7/16"	7/8"	3/16	1.4
3.60	3.65	-	**1P3V36**	**P1**	2	2 3/16	1 15/16	1 1/4	-	3	5/8	1 5/16	1/4	2.0
4.07	4.12	-	**1H3V41**	**H**	H-3	1 1/2	1 1/4	5/8	-	2 1/2	7/16	7/8	3/16	1.9
4.07	4.12	-	**1P3V41**	**P1**	2	2 3/16	1 15/16	1 1/4	-	3	5/8	1 5/16	1/4	2.6
4.45	4.50	-	**1H3V45**	**H**	H-3	1 1/2	1 1/4	5/8	-	2 1/2	7/16	7/8	3/16	2.2
4.45	4.50	-	**1P3V45**	**P1**	2	2 3/16	1 15/16	1 1/4	-	3	5/8	1 5/16	1/4	3.0
4.70	4.75	-	**1H3V47**	**H**	H-3	1 1/2	1 1/4	5/8	-	2 1/2	7/16	7/8	3/16	2.4
4.70	4.75	-	**1P3V47**	**P1**	2	2 3/16	1 15/16	1 1/4	-	3	5/8	1 5/16	1/4	3.5
4.95	5.00	-	**1H3V50**	**H**	H-3	1 1/2	1 1/4	5/8	-	2 1/2	7/16	7/8	3/16	2.6
4.95	5.00	-	**1P3V50**	**P1**	2	2 3/16	1 15/16	1 1/4	-	3	5/8	1 5/16	1/4	3.8
5.25	5.30	-	**1H3V53**	**H**	H-3	1 1/2	1 1/4	5/8	-	2 1/2	7/16	7/8	3/16	2.5
5.25	5.30	-	**1P3V53**	**P1**	2	2 3/16	1 15/16	1 1/4	-	3	5/8	1 5/16	1/4	4.2
5.55	5.60	-	**1H3V56**	**H**	H-3	1 1/2	1 1/4	5/8	-	2 1/2	7/16	7/8	3/16	2.6
5.55	5.60	-	**1P3V56**	**P1**	2	2 3/16	1 15/16	1 1/4	-	3	5/8	1 5/16	1/4	4.6
5.95	6.00	-	**1H3V60**	**H**	H-3	1 1/2	1 1/4	5/8	-	2 1/2	7/16	7/8	3/16	2.9
5.95	6.00	-	**1P3V60**	**P1**	2	2 3/16	1 15/16	1 1/4	-	3	5/8	1 5/16	1/4	5.3
6.45	6.50	5 1/4"	**1P3V65**	**P1**	16-Arm	2 3/16	1 15/16	15/16	5/16	3	5/8	1 5/16	1/4	5.5
6.85	6.90	5 5/8	**1P3V69**	**P1**	16-Arm	2 3/16	1 15/16	15/16	5/16	3	5/8	1 5/16	1/4	4.9
7.95	8.00	6 1/2	**1P3V80**	**P1**	16-Arm	2 3/16	1 15/16	15/16	5/16	3	5/8	1 5/16	1/4	6.5
10.55	10.60	9 3/8	**1P3V106**	**P1**	16-Arm	2 3/16	1 15/16	15/16	5/16	3	5/8	1 5/16	1/4	7.8
13.95	14.00	12 3/4	**1Q3V140**	**Q1**	16-Arm	2 25/32	2 1/2	1 9/32	17/32	4 1/8	3/4	1 3/4	9/32	18.1
18.95	19.00	17 3/4	**1Q3V190**	**Q1**	16-Arm	2 25/32	2 1/2	1 9/32	17/32	4 1/8	3/4	1 3/4	9/32	26.3
24.95	25.00	23 5/8	**1Q3V250**	**Q1**	16-Arm	2 25/32	2 1/2	1 9/32	17/32	4 1/8	3/4	1 3/4	9/32	38.3

Table No. 1

Specifications — Stock "3V" Sheaves

DIAMETERS			Part Number		Type	Dimensions								Wt. Less. Bush.
Pitch "3V" Belts	Outside	Inside	Sheave	Bushing		O.L.	L	P	C	H	G	X	E	
2 GROOVES, F = 1 3/32"														
2.60"	2.65"	—	**2G3V26**	**G**	G-2	1 19/32"	1"	5/16"	13/32"	2"	7/16"	31/32"	3/16"	.8
2.75	2.80	—	**2G3V28**	**G**	G-2	1 19/32	1	5/16	13/32	2	7/16	32/32	3/16	.9
2.95	3.00	—	**2G3V30**	**G**	G-2	1 19/32	1	5/16	13/32	2	7/16	32/32	3/16	1.3
3.10	3.15	2	**2H3V31**	**H**	H-2	1 19/32	1 1/4	3/8	7/32	2 1/2	7/16	13/16	3/16	.9
3.30	3.35	2	**2H3V33**	**H**	H-2	1 19/32	1 1/4	3/8	7/32	2 1/2	7/16	13/16	3/16	1.3
3.60	3.65	—	**2H3V36**	**H**	H-4	1 1/2	1 1/4	7/32	—	2 1/2	7/16	7/8	3/16	1.6
3.60	3.65	—	**2P3V36**	**P1**	2	2 3/16	1 15/16	27/32	—	3	5/8	1 5/16	1/4	2.0
4.07	4.12	—	**2H3V41**	**H**	H-4	1 1/2	1 1/4	7/32	—	2 1/2	7/16	7/8	3/16	2.3
4.07	4.12	—	**2P3V41**	**P1**	2	2 3/16	1 15/16	27/32	—	3	5/8	1 5/16	1/4	2.8
4.45	4.50	—	**2H3V45**	**H**	H-4	1 1/2	1 1/4	7/32	—	2 1/2	7/16	7/8	3/16	2.8
4.45	4.50	—	**2P3V45**	**P1**	2	2 3/16	1 15/16	27/32	—	3	5/8	1 5/16	1/4	3.5
4.70	4.75	—	**2H3V47**	**H**	H-4	1 1/2	1 1/4	7/32	—	2 1/2	7/16	7/8	3/16	3.1
4.70	4.75	—	**2P3V47**	**P1**	2	2 3/16	1 15/16	27/32	—	3	5/8	1 5/16	1/4	4.0
4.95	5.00	—	**2H3V50**	**H**	H-4	1 1/2	1 1/4	7/32	—	2 1/2	7/16	7/8	3/16	3.4
4.95	5.00	—	**2P3V50**	**P1**	2	2 3/16	1 15/16	27/32	—	3	5/8	1 5/16	1/4	4.6
5.25	5.30	—	**2H3V53**	**H**	H-4	1 1/2	1 1/4	7/32	—	2 1/2	7/16	7/8	3/16	3.7
5.25	5.30	—	**2P3V53**	**P1**	2	2 3/16	1 15/16	27/32	—	3	5/8	1 5/16	1/4	5.6
5.55	5.60	—	**2H3V56**	**H**	H-4	1 1/2	1 1/4	7/32	—	2 1/2	7/16	7/8	3/16	3.1
5.55	5.60	—	**2P3V56**	**P1**	2	2 3/16	1 15/16	27/32	—	3	5/8	1 5/16	1/4	6.0
5.95	6.00	—	**2H3V60**	**H**	H-4	1 1/2	1 1/4	7/32	—	2 1/2	7/16	7/8	3/16	3.6
5.95	6.00	—	**2P3V60**	**P1**	2	2 3/16	1 15/16	27/32	—	3	5/8	1 5/16	1/4	6.8
6.45	6.50	5 1/4"	**2Q3V65**	**Q1**	16-Arm	2 25/32	2 1/2	1 5/64	21/64	4 1/8	3/4	1 3/4	9/32	8.3
6.85	6.90	5 5/8	**2Q3V69**	**Q1**	16-Arm	2 25/32	2 1/2	1 5/64	21/64	4 1/8	3/4	1 3/4	9/32	9.8
7.95	8.00	6 1/2	**2Q3V80**	**Q1**	16-Arm	2 25/32	2 1/2	1 5/64	21/64	4 1/8	3/4	1 3/4	9/32	10.8
10.55	10.60	9 3/8	**2Q3V106**	**Q1**	16-Arm	2 25/32	2 1/2	1 5/64	21/64	4 1/8	3/4	1 3/4	9/32	13.5
13.95	14.00	12 3/4	**2Q3V140**	**Q1**	16-Arm	2 25/32	2 1/2	1 5/64	21/64	4 1/8	3/4	1 3/4	9/32	22.5
18.95	19.00	17 3/4	**2Q3V190**	**Q1**	16-Arm	2 25/32	2 1/2	1 5/64	21/64	4 1/8	3/4	1 3/4	9/32	28.9
24.95	25.00	23 5/8	**2Q3V250**	**Q1**	16-Arm	2 25/32	2 1/2	1 5/64	21/64	4 1/8	3/4	1 3/4	9/32	43.5
3 GROOVES, F = 1 1/2"														
2.60"	2.65"	—	**3G3V26**	**G**	G-2	2"	1"	5/16"	13/16"	2"	7/16"	1 3/8"	3/16"	1.1
2.75	2.80	—	**3G3V28**	**G**	G-2	2	1	5/16	13/16	2	7/16	1 3/8	3/16	1.6
2.95	3.00	—	**3G3V30**	**G**	G-2	2	1	5/16	13/16	2	7/16	1 3/8	3/16	1.8
3.10	3.15	—	**3H3V31**	**H**	H-2	2	1 1/4	5/16	9/16	2 1/2	7/16	1 3/8	3/16	1.4
3.30	3.35	—	**3H3V33**	**H**	H-2	2	1 1/4	5/16	9/16	2 1/2	7/16	1 3/8	3/16	1.8
3.60	3.65	2 3/16"	**3P3V36**	**P1**	5	2 3/8	1 15/16	5/8	3/16	3	-	1 5/16	1/4	2.5
4.07	4.12	2 9/16	**3P3V41**	**P1**	5	2 3/8	1 15/16	5/8	3/16	3	-	1 5/16	1/4	3.0
4.45	4.50	3 5/16	**3P3V45**	**P1**	13-Sol.	2 3/16	1 15/16	7/16	0	3	5/8	1 5/16	1/4	3.9
4.70	4.75	3 1/2	**3P3V47**	**P1**	13-Sol.	2 3/16	1 15/16	7/16	0	3	5/8	1 5/16	1/4	4.4
4.95	5.00	3 13/16	**3P3V50**	**P1**	13-Sol.	2 3/16	1 15/16	7/16	0	3	5/8	1 5/16	1/4	4.9
5.25	5.30	4 1/8	**3P3V53**	**P1**	13-Sol.	2 3/16	1 15/16	7/16	0	3	5/8	1 5/16	1/4	5.9
5.55	5.60	4 3/8	**3P3V56**	**P1**	13-Sol.	2 3/16	1 15/16	7/16	0	3	5/8	1 5/16	1/4	7.5
5.95	6.00	4 13/16	**3P3V60**	**P1**	13-Sol.	2 3/16	1 15/16	7/16	0	3	5/8	1 5/16	1/4	8.0
6.45	6.50	5 1/4	**3Q3V65**	**Q1**	16-Sol.	2 25/32	2 1/2	7/8	1/8	4 1/8	3/4	1 3/4	9/32	9.9
6.85	6.90	5 5/8	**3Q3V69**	**Q1**	16-Sol.	2 25/32	2 1/2	7/8	1/8	4 1/8	3/4	1 3/4	9/32	11.3
7.95	8.00	6 1/2	**3Q3V80**	**Q1**	16-Web	2 25/32	2 1/2	7/8	1/8	4 1/8	3/4	1 3/4	9/32	11.9
10.55	10.60	9 3/8	**3Q3V106**	**Q1**	16-Arm	2 25/32	2 1/2	7/8	1/8	4 1/8	3/4	1 3/4	9/32	15.1
13.95	14.00	12 3/4	**3Q3V140**	**Q1**	16-Arm	2 25/32	2 1/2	7/8	1/8	4 1/8	3/4	1 3/4	9/32	24.5
18.95	19.00	17 3/4	**3R3V190**	**R1**	16-Arm	3 5/32	2 7/8	1 1/8	1/4	5 3/8	7/8	2	9/32	35.1
24.95	25.00	23 5/8	**3R3V250**	**R1**	16-Arm	3 5/32	2 7/8	1 1/8	1/4	5 3/8	7/8	2	9/32	55.0
33.45	33.50	32 1/4	**3R3V335**	**R1**	16-Arm	3 5/32	2 7/8	1 1/8	1/4	5 3/8	7/8	2	9/32	80.0
4 GROOVES, F = 1 29/32"														
2.60"	2.65"	1 3/8"	**4G3V26**	**G**	4	2 13/32"	1"	5/16"	1 7/32"	2"	7/16"	1 1/2"	3/16"	1.4
2.75	2.80	1 3/8	**4G3V28**	**G**	4	2 13/32	1	5/16	1 7/32	2	7/16	1 1/2	3/16	1.8
2.95	3.00	1 3/8	**4G3V30**	**G**	4	2 13/32	1	5/16	1 7/32	2	7/16	1 1/2	3/16	2.1
3.10	3.15	1 3/4	**4H3V31**	**H**	4	2 13/32	1 1/4	5/16	31/32	2 1/2	7/16	31/32	3/16	1.8
3.30	3.35	2	**4H3V33**	**H**	4	2 13/32	1 1/4	5/16	31/32	2 1/2	7/16	31/32	3/16	2.3
3.60	3.65	2 3/16	**4P3V36**	**P1**	5	2 25/32	1 15/16	5/8	19/32	3	—	1 5/16	1/4	2.8
4.07	4.12	2 9/16	**4P3V41**	**P1**	5	2 25/32	1 15/16	5/8	19/32	3	—	1 5/16	1/4	3.7
4.45	4.50	3 5/16	**4P3V45**	**P1**	13-Sol.	2 3/16	1 15/16	1/32	0	3	5/8	1 5/16	1/4	4.4
4.70	4.75	3 1/2	**4P3V47**	**P1**	13-Sol.	2 3/16	1 15/16	1/32	0	3	5/8	1 5/16	1/4	5.1
4.95	5.00	3 13/16	**4P3V50**	**P1**	13-Sol.	2 3/16	1 15/16	1/32	0	3	5/8	1 5/16	1/4	5.8
5.25	5.30	4 1/8	**4P3V53**	**P1**	13-Sol.	2 3/16	1 15/16	1/32	0	3	5/8	1 5/16	1/4	6.5
5.55	5.60	4 3/8	**4P3V56**	**P1**	13-Sol.	2 3/16	1 15/16	1/32	0	3	5/8	1 5/16	1/4	8.1
5.95	6.00	4 3/4	**4Q3V60**	**Q1**	13-Sol.	2 25/32	2 1/2	19/32	0	4 1/8	3/4	1 3/4	9/32	9.0
6.45	6.50	5 1/4	**4Q3V65**	**Q1**	13-Web	2 55/64	2 1/2	43/64	5/64	4 1/8	3/4	1 3/4	9/32	11.1
6.85	6.90	5 5/8	**4Q3V69**	**Q1**	13-Web	2 55/64	2 1/2	43/64	5/64	4 1/8	3/4	1 3/4	9/32	12.9
7.95	8.00	6 1/2	**4Q3V80**	**Q1**	13-Web	2 55/64	2 1/2	43/64	5/64	4 1/8	3/4	1 3/4	9/32	13.1
10.55	10.60	9 3/8	**4Q3V106**	**Q1**	13-Arm	2 55/64	2 1/2	43/64	5/64	4 1/8	3/4	1 3/4	9/32	15.9
13.95	14.00	12 3/4	**4Q3V140**	**Q1**	13-Arm	2 55/64	2 1/2	43/64	5/64	4 1/8	3/4	1 3/4	9/32	25.4
18.95	19.00	17 3/4	**4R3V190**	**R1**	16-Arm	3 5/32	2 7/8	63/64	3/64	5 3/8	7/8	2	9/32	37.3
24.95	25.00	23 5/8	**4R3V250**	**R1**	16-Arm	3 5/32	2 7/8	63/64	3/64	5 3/8	7/8	2	9/32	60.0
33.45	33.50	32 1/4	**4R3V335**	**R1**	16-Arm	3 5/32	2 7/8	63/64	3/64	5 3/8	7/8	2	9/32	88.0

Bore Range

Table No. 2

Bushing	Bore Range
G	3/8" - 1"
H	3/8 - 1 1/2
P1	1/2 - 1 3/4
Q1	3/4 - 2 11/16
R1	1 1/8 - 3 3/4

Standard Keyseats

Table No. 3

Bore Range	Keyseat	Bore Range	Keyseat
3/8" - 7/16"	**None**	1 7/16" - 1 3/4"	3/8" x 3/16"
1/2 - 9/16	1/8" x 1/16"	1 13/16 - 2 1/4	1/2 x 1/4
5/8 - 7/8	3/16 x 3/32	2 5/16 - 2 3/4	5/8 x 5/16
15/16 - 1 1/4	1/4 x 1/8	2 13/16 - 3 1/4	3/4 x 5/8
1 5/16 - 1 3/8	5/16 x 5/32	3 3/8 - 3 3/4	7/8 x 7/16

1 3/8" Bore Bushings also available with 3/8" x 3/16" Keyseat

A

Table No. 1

Specifications — Stock "3V" Sheaves

DIAMETERS			Part Number		Type	Dimensions								Wt. Less Bush.
Pitch "3V" Belts	Outside	Inside	Sheave	Bushing		O.L.	L	P	C	H	G	X	E	
5 GROOVES, F = 2 5/16"														
4.70"	4.75"	3 1/2"	5P3V47	P1	13-Web	2 9/16"	1 15/16"	0	3/8"	3"	5/8"	1 5/16"	1/4"	5.6
4.95	5.00	3 13/16	5P3V50	P1	13-Web	2 9/16	1 15/16	0	3/8	3	5/8	1 5/16	1/4	6.0
5.25	5.30	4 1/8	5P3V53	P1	13-Web	2 9/16	1 15/16	0	3/8	3	5/8	1 5/16	1/4	7.1
5.55	5.60	4 3/8	5P3V56	P1	13-Web	2 9/16	1 15/16	0	3/8	3	5/8	1 5/16	1/4	8.1
5.95	6.00	4 3/4	5Q3V60	Q1	13-Web	2 25/32	2 1/2	3/16"	0	4 1/8	3/4	1 3/4	9/32	9.5
6.45	6.50	5 1/4	5Q3V65	Q1	13-Web	3 1/16	2 1/2	15/32	9/32	4 1/8	3/4	1 3/4	9/32	11.6
6.85	6.90	5 5/8	5Q3V69	Q1	13-Web	3 1/16	2 1/2	15/32	9/32	4 1/8	3/4	1 3/4	9/32	13.9
7.95	8.00	6 1/2	5Q3V80	Q1	13-Web	3 1/16	2 1/2	15/32	9/32	4 1/8	3/4	1 3/4	9/32	14.3
10.55	10.60	9 3/8	5Q3V106	Q1	13-Arm	3 1/16	2 1/2	15/32	9/32	4 1/8	3/4	1 3/4	9/32	17.5
13.95	14.00	12 3/4	5Q3V140	Q1	13-Arm	3 1/16	2 1/2	15/32	9/32	4 1/8	3/4	1 3/4	9/32	27.5
18.95	19.00	17 3/4	5R3V190	R1	13-Arm	3 5/16	2 7/8	23/32	5/32	5 3/8	7/8	2	9/32	40.9
24.95	25.00	23 5/8	5R3V250	R1	13-Arm	3 5/16	2 7/8	23/32	5/32	5 3/8	7/8	2	9/32	64.0
33.45	33.50	32 1/4	5R3V335	R1	13-Arm	3 5/16	2 7/8	23/32	5/32	5 3/8	7/8	2	9/32	92.0
6 GROOVES, F = 2 23/32"														
4.70"	4.75"	3 1/2"	6Q3V47	Q1	5	3 3/4"	2 1/2"	3/4"	31/32"	4 1/8"	3/4"	1 3/4"	9/32"	5.6
4.95	5.00	3 13/16	6Q3V50	Q1	5	3 3/4	2 1/2	3/4	31/32	4 1/8	3/4	1 3/4	9/32	6.1
5.25	5.30	4 1/8	6Q3V53	Q1	5	3 3/4	2 1/2	3/4	31/32	4 1/8	3/4	1 3/4	9/32	7.3
5.55	5.60	4 1/4	6Q3V56	Q1	13-Sol.	3	2 1/2	0	7/32	4 1/8	3/4	1 3/4	9/32	8.8
5.95	6.00	4 3/4	6Q3V60	Q1	13-Web	3	2 1/2	0	7/32	4 1/8	3/4	1 3/4	9/32	10.1
6.45	6.50	5 1/4	6Q3V65	Q1	13-Web	3 17/64	2 1/2	17/64	31/64	4 1/8	3/4	1 3/4	9/32	12.9
6.85	6.90	5 5/8	6Q3V69	Q1	13-Web	3 17/64	2 1/2	17/64	31/64	4 1/8	3/4	1 3/4	9/32	14.4
7.95	8.00	6 1/2	6Q3V80	Q1	13-Web	3 17/64	2 1/2	17/64	31/64	4 1/8	3/4	1 3/4	9/32	16.1
10.55	10.60	9 3/8	6R3V106	R1	13-Arm	3 33/64	2 7/8	33/64	23/64	5 3/8	7/8	2	9/32	22.4
13.95	14.00	12 3/4	6R3V140	R1	13-Arm	3 33/64	2 7/8	33/64	23/64	5 3/8	7/8	2	9/32	32.1
18.95	19.00	17 3/4	6R3V190	R1	13-Arm	3 33/64	2 7/8	33/64	23/64	5 3/8	7/8	2	9/32	42.8
24.95	25.00	23 5/8	6R3V250	R1	13-Arm	3 33/64	2 7/8	33/64	23/64	5 3/8	7/8	2	9/32	64.0
33.45	33.50	32 1/4	6R3V335	R1	13-Arm	3 33/64	2 7/8	33/64	23/64	5 3/8	7/8	2	9/32	99.0
8 GROOVES, F = 3 17/32"														
4.70"	4.75"	3 1/2"	8Q3V47	Q2	5	4 9/16"	3 1/2"	3/4"	25/32"	4 1/8"	3/4"	2 3/4"	9/32"	7.3
4.95	5.00	3 13/16	8Q3V50	Q2	5	4 9/16	3 1/2	3/4	25/32	4 1/8	3/4	2 3/4	9/32	8.6
5.25	5.30	4 1/8	8Q3V53	Q2	5	4 9/16	3 1/2	3/4	25/32	4 1/8	3/4	2 3/4	9/32	10.3
5.55	5.60	4 1/4	8Q3V56	Q2	15-Sol.	3 25/32	3 1/2	1/32	0	4 1/8	3/4	2 3/4	9/32	12.3
5.95	6.00	4 3/4	8Q3V60	Q2	15-Sol.	3 25/32	3 1/2	1/32	0	4 1/8	3/4	2 3/4	9/32	15.1
6.45	6.50	5 1/4	8Q3V65	Q2	13-Web	4 11/64	3 1/2	23/64	25/64	4 1/8	3/4	2 3/4	9/32	18.3
6.85	6.90	5 5/8	8Q3V69	Q2	13-Web	4 11/64	3 1/2	23/64	25/64	4 1/8	3/4	2 3/4	9/32	21.4
7.95	8.00	6 1/2	8R3V80	R1	13-Web	3 59/64	2 7/8	7/64	49/64	5 3/8	7/8	2	9/32	23.2
10.55	10.60	9 3/8	8R3V106	R1	13-Arm	3 59/64	2 7/8	7/64	49/64	5 3/8	7/8	2	9/32	24.5
13.95	14.00	12 3/4	8R3V140	R1	13-Arm	3 59/64	2 7/8	7/64	49/64	5 3/8	7/8	2	9/32	39.0
18.95	19.00	17 3/4	8R3V190	R1	13-Arm	3 59/64	2 7/8	7/64	49/64	5 3/8	7/8	2	9/32	49.0
24.95	25.00	23 5/8	8R3V250	R1	13-Arm	3 59/64	2 7/8	7/64	49/64	5 3/8	7/8	2	9/32	76.0
33.45	33.50	32 1/4	8S3V335	S1	13-Arm	4 55/64	4 3/8	61/64	7/64	6 3/8	1 1/6	3 5/16	3/8	126
10 GROOVES, F = 4 11/32"														
4.70"	4.75"	3 1/2"	10Q3V47	Q2	5	5 3/8"	3 1/2"	3/4"	1 19/32"	4 1/8"	3/4"	2 3/4"	9/32"	8.4
4.95	5.00	3 13/16	10Q3V50	Q2	5	5 3/8	3 1/2	3/4	1 19/32	4 1/8	3/4	2 3/4	9/32	9.9
5.25	5.30	4 1/8	10Q3V53	Q2	5	5 3/8	3 1/2	3/4	1 19/32	4 1/8	3/4	2 3/4	9/32	11.4
5.55	5.60	4 1/4	10Q3V56	Q2	13-Web	4 5/8	3 1/2	0	27/32	4 1/8	3/4	2 3/4	9/32	13.8
5.95	6.00	4 3/4	10Q3V60	Q2	13-Web	4 5/8	3 1/2	0	27/32	4 1/8	3/4	2 3/4	9/32	16.5
6.45	6.50	5 1/4	10Q3V65	Q2	15-Web	4 37/64	3 1/2	3/4	51/64	4 1/8	3/4	2 3/4	9/32	20.4
6.85	6.90	5 5/8	10Q3V69	Q2	15-Web	4 37/64	3 1/2	3/4	51/64	4 1/8	3/4	2 3/4	9/32	23.4
7.95	8.00	6 1/2	10R3V80	R1	15-Web	4 11/32	2 7/8	19/64	1 11/64	5 3/8	7/8	2	9/32	26.0
10.55	10.60	9 3/8	10R3V106	R1	15-Arm	4 11/32	2 7/8	19/64	1 11/64	5 3/8	7/8	2	9/32	28.4
13.95	14.00	12 3/4	10R3V140	R1	15-Arm	4 11/32	2 7/8	19/64	1 11/64	5 3/8	7/8	2	9/32	42.3
18.95	19.00	17 3/4	10R3V190	R1	15-Arm	4 11/32	2 7/8	19/64	1 11/64	5 3/8	7/8	2	9/32	54.0
24.95	25.00	23 5/8	10S3V250	S1	13-Arm	5 17/64	4 3/8	35/64	33/64	6 3/8	1 1/16	3 5/16	3/8	103
33.45	33.50	32 1/4	10S3V335	S1	13-Arm	5 17/64	4 3/8	35/64	33/64	6 3/8	1 1/16	3 5/16	3/8	138

Bushing Bores

Table No. 2

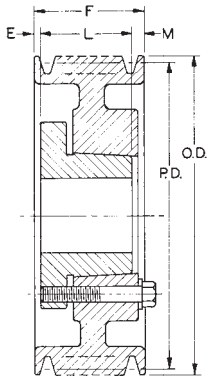
Bushing No.	Bore Range
P1	1/2" - 1 3/4"
Q1	3/4 - 2 11/16
R1	1 1/8 - 3 3/4
S1	1 11/16 - 4 1/4

Standard Keyseats

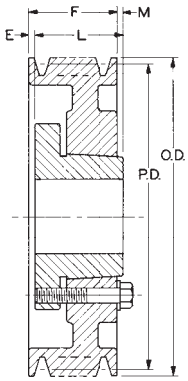
Table No. 3

Bore Range	Keyseat
1/2" - 9/16"	1/8" x 1/16"
5/8 - 7/8	3/16 x 3/32
15/16 - 1 1/4	1/4 x 1/8
1 5/16 - 1 3/8	5/16 x 5/32
1 7/16 - 1 3/4	3/8 x 3/16
1 13/16 - 2 1/4	1/2 x 1/4
2 5/16 - 2 3/4	5/8 x 5/16
2 13/16 - 3 1/4	3/4 x 3/8
3 3/8 - 3 3/4	7/8 x 7/16
3 7/8 - 4 1/4	1 x 1/2

1 3/8" Bore Bushings (except R2) are available with 3/8" and 3/16" Keyseat



TYPE A



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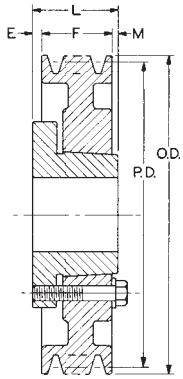

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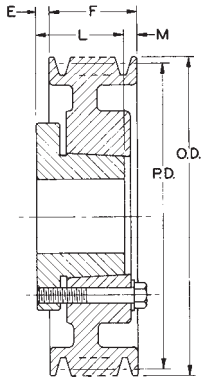

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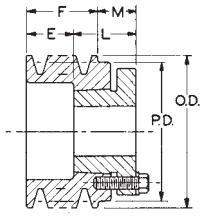


TYPE E

A

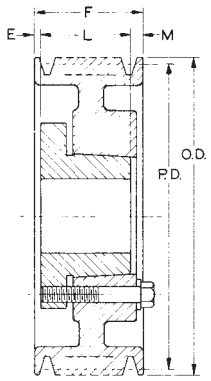
Table No. 1

Specifications

Part No.	Bushing	Bore Range	Type *	P.D. "3V" Belts	O.D.	E	L	M	Wt. Less Bushing
1 Groove, F = 11/16"									
13V220JA	JA	1/2" - 1 1/4"	E-1	2.15"	2.20"	5/8"	1"	15/16"	.4
13V235JA	JA	1/2 - 1 1/4	E-1	2.30	2.35	19/32	1	29/32	.4
13V250JA	JA	1/2 - 1 1/4	E-1	2.45	2.50	19/32	1	29/32	.5
13V265JA	JA	1/2 - 1 1/4	D-1	2.60	2.65	3/8	1	1/16	.6
13V280JA	JA	1/2 - 1 1/4	D-1	2.75	2.80	3/8	1	1/16	.7
13V300JA	JA	1/2 - 1 1/4	D-1	2.95	3.00	3/8	1	1/16	.8
13V315JA	JA	1/2 - 1 1/4	D-1	3.10	3.15	3/8	1	1/16	.9
13V335JA	JA	1/2 - 1 1/4	D-1	3.30	3.35	3/8	1	1/16	1.0
13V365SH	SH	1/2 - 1 5/8	D-1	3.60	3.65	21/32	1 5/16	1/32	1.3
13V412SH	SH	1/2 - 1 5/8	D-1	4.07	4.12	21/32	1 5/16	1/32	1.8
13V450SH	SH	1/2 - 1 5/8	D-1	4.45	4.50	21/32	1 5/16	1/32	2.1
13V475SH	SH	1/2 - 1 5/8	D-1	4.70	4.75	21/32	1 5/16	1/32	2.4
13V500SH	SH	1/2 - 1 5/8	D-1	4.95	5.00	21/32	1 5/16	1/32	2.7
13V530SH	SH	1/2 - 1 5/8	D-1	5.25	5.30	21/32	1 5/16	1/32	2.9
13V560SH	SH	1/2 - 1 5/8	D-2	5.55	5.60	21/32	1 5/16	1/32	3.0
13V600SH	SH	1/2 - 1 5/8	D-2	5.95	6.00	21/32	1 5/16	1/32	3.2
13V650SH	SH	1/2 - 1 5/8	D-2	6.45	6.50	21/32	1 5/16	1/32	4.2
13V690SH	SH	1/2 - 1 5/8	D-3	6.85	6.90	21/32	1 5/16	1/32	4.4
13V800SDS	SDS	1/2 - 2	D-3	7.95	8.00	21/32	1 5/16	1/32	5.8
13V1060SDS	SDS	1/2 - 2	D-3	10.55	10.60	21/32	1 5/16	1/32	7.9
13V1400SK	SK	1/2 - 2 5/8	C-3	13.95	14.00	25/32	1 15/16	15/32	14.8
13V1900SK	SK	1/2 - 2 5/8	C-3	18.95	19.00	25/32	1 15/16	15/32	24.0
2 GROOVES, F = 1 3/32"									
23V220JA	JA	1/2 - 1 1/4	E-1	2.15	2.20	1 1/32	1	15/16	.6
23V235JA	JA	1/2 - 1 1/4	E-1	2.30	2.35	1	1	29/32	.6
23V250JA	JA	1/2 - 1 1/4	E-1	2.45	2.50	1	1	29/32	.7
23V265JA	JA	1/2 - 1 1/4	D-1	2.60	2.65	3/8	1	15/32	.8
23V280JA	JA	1/2 - 1 1/4	D-1	2.75	2.80	3/8	1	15/32	.9
23V300JA	JA	1/2 - 1 1/4	D-1	2.95	3.00	3/8	1	15/32	1.2
23V315JA	JA	1/2 - 1 1/4	D-1	3.10	3.15	3/8	1	15/32	1.2
23V335SH	SH	1/2 - 1 5/8	D-1	3.30	3.35	17/32	1 5/16	5/16	1.3
23V365SH	SH	1/2 - 1 5/8	D-1	3.60	3.65	17/32	1 5/16	5/16	1.5
23V412SH	SH	1/2 - 1 5/8	D-1	4.07	4.12	11/32	1 5/16	1/8	2.2
23V450SH	SH	1/2 - 1 5/8	D-1	4.45	4.50	11/32	1 5/16	1/8	2.7
23V475SH	SH	1/2 - 1 5/8	D-1	4.70	4.75	11/32	1 5/16	1/8	3.1
23V500SH	SH	1/2 - 1 5/8	D-1	4.95	5.00	11/32	1 5/16	1/8	3.4
23V530SH	SH	1/2 - 1 5/8	D-1	5.25	5.30	11/32	1 5/16	1/8	3.9
23V560SH	SH	1/2 - 1 5/8	D-2	5.55	5.60	11/32	1 5/16	1/8	4.0
23V600SH	SH	1/2 - 1 5/8	D-2	5.95	6.00	11/32	1 5/16	1/8	4.4
23V650SDS	SDS	1/2 - 2	D-2	6.45	6.50	11/32	1 5/16	1/8	6.0
23V690SDS	SDS	1/2 - 2	D-2	6.85	6.90	11/32	1 5/16	1/8	7.5
23V800SDS	SDS	1/2 - 2	D-3	7.95	8.00	11/32	1 5/16	1/8	8.5
23V1060SK	SK	1/2 - 2 5/8	C-3	10.55	10.60	17/32	1 15/16	5/16	12.5
23V1400SK	SK	1/2 - 2 5/8	C-3	13.95	14.00	17/32	1 15/16	5/16	19.5
23V1900SK	SK	1/2 - 2 5/8	C-3	18.95	19.00	17/32	1 15/16	5/16	27.0
23V2500SF	SF	1/2 - 2 15/16	C-3	24.95	25.00	19/32	2 1/16	3/8	38.0

***Suffix on Type indicates: 1 = Solid Construction, 2 = Web Construction, 3 = Arm Construction.**

A



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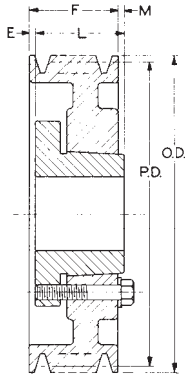

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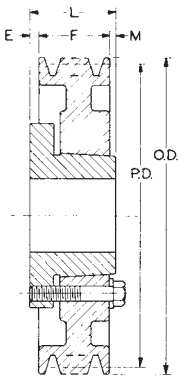

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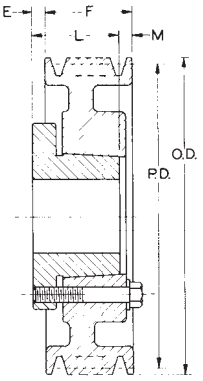
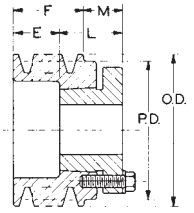


TYPE D



TYPE E

Table No. 1

Specifications

Part No.	Bushing	Bore Range	Type *	P.D. "3V" Belts	O.D.	E	L	M	Wt. Less Bushing
3 Grooves, F = 1 1/2"									
33V250JA	JA	1/2" - 1 1/4"	E-1	2.45"	2.50"	1 13/32"	1"	29/32"	.8
33V265JA	JA	1/2 - 1 1/4	D-1	2.60	2.65	3/8	1	7/8	1.0
33V280JA	JA	1/2 - 1 1/4	D-1	2.75	2.80	3/8	1	7/8	1.4
33V300SH	SH	1/2 - 1 5/8	E-1	2.95	3.00	1 5/32	1 5/16	31/32	1.7
33V315SH	SH	1/2 - 1 5/8	E-1	3.10	3.15	1 5/32	1 5/16	31/32	1.8
33V335SH	SH	1/2 - 1 5/8	D-1	3.30	3.35	17/32	1 5/16	23/32	1.9
33V365SH	SH	1/2 - 1 5/8	D-1	3.60	3.65	17/32	1 5/16	23/32	2.3
33V412SH	SH	1/2 - 1 5/8	A-1	4.07	4.12	1/32	1 5/16	5/32	2.8
33V450SDS	SDS	1/2 - 2	A-1	4.45	4.50	1/32	1 5/16	5/32	3.5
33V475SDS	SDS	1/2 - 2	A-1	4.70	4.75	1/32	1 5/16	5/32	4.0
33V500SDS	SDS	1/2 - 2	A-1	4.95	5.00	1/32	1 5/16	5/32	4.5
33V530SDS	SDS	1/2 - 2	A-1	5.25	5.30	1/32	1 5/16	5/32	5.2
33V560SDS	SDS	1/2 - 2	A-1	5.55	5.60	1/32	1 5/16	5/32	6.0
33V600SDS	SDS	1/2 - 2	A-2	5.95	6.00	1/32	1 5/16	5/32	7.0
33V650SDS	SDS	1/2 - 2	A-2	6.45	6.50	1/32	1 5/16	5/32	8.1
33V690SDS	SDS	1/2 - 2	A-2	6.85	6.90	1/32	1 5/16	5/32	8.9
33V800SK	SK	1/2 - 2 5/8	D-2	7.95	8.00	17/32	1 15/16	3/32	11.3
33V1060SK	SK	1/2 - 2 5/8	D-3	10.55	10.60	17/32	1 15/16	3/32	14.0
33V1400SK	SK	1/2 - 2 5/8	D-3	13.95	14.00	17/32	1 15/16	3/32	21.6
33V1900SF	SF	1/2 - 2 15/16	D-3	18.95	19.00	19/32	2 1/16	1/32	32.1
33V2500SF	SF	1/2 - 2 15/16	D-3	24.95	25.00	19/32	2 1/16	1/32	50.0
33V3350SF	SF	1/2 - 2 15/16	D-3	33.45	33.50	19/32	2 1/16	1/32	78.0
4 GROOVES, F = 1 29/32"									
43V265JA	JA	1/2 - 1 1/4	D-1	2.60	2.65	3/8	1	1 9/32	1.3
43V280JA	JA	1/2 - 1 1/4	D-1	2.75	2.80	3/8	1	1 9/32	1.7
43V300SH	SH	1/2 - 1 5/8	E-1	2.95	3.00	1 1/2	1 5/16	29/32	2.0
43V315SH	SH	1/2 - 1 5/8	E-1	3.10	3.15	1 1/2	1 5/16	29/32	2.2
43V335SH	SH	1/2 - 1 5/8	D-1	3.30	3.35	17/32	1 5/16	1 1/8	2.3
43V365SH	SH	1/2 - 1 5/8	D-1	3.60	3.65	17/32	1 5/16	1 1/8	2.8
43V412SH	SH	1/2 - 1 5/8	A-1	4.07	4.12	5/32	1 5/16	7/16	3.4
43V450SDS	SDS	1/2 - 2	A-1	4.45	4.50	5/32	1 5/16	7/16	4.0
43V475SDS	SDS	1/2 - 2	A-1	4.70	4.75	5/32	1 5/16	7/16	4.6
43V500SDS	SDS	1/2 - 2	A-1	4.95	5.00	5/32	1 5/16	7/16	5.2
43V530SDS	SDS	1/2 - 2	A-1	5.25	5.30	5/32	1 5/16	7/16	5.8
43V560SDS	SDS	1/2 - 2	A-1	5.55	5.60	5/32	1 5/16	7/16	6.8
43V600SK	SK	1/2 - 2 5/8	D-1	5.95	6.00	5/32	1 15/16	1/8	8.3
43V650SK	SK	1/2 - 2 5/8	D-1	6.45	6.50	5/32	1 15/16	1/8	10.0
43V690SK	SK	1/2 - 2 5/8	D-1	6.85	6.90	5/32	1 15/16	1/8	11.9
43V800SK	SK	1/2 - 2 5/8	D-2	7.95	8.00	5/32	1 15/16	1/8	13.0
43V1060SK	SK	1/2 - 2 5/8	D-3	10.55	10.60	5/32	1 15/16	1/8	16.5
43V1400SK	SK	1/2 - 2 5/8	D-3	13.95	14.00	5/32	1 15/16	1/8	22.5
43V1900SF	SF	1/2 - 2 15/16	D-3	18.95	19.00	7/32	2 1/16	1/16	35.0
43V2500SF	SF	1/2 - 2 15/16	D-3	24.95	25.00	7/32	2 1/16	1/16	57.0
43V3350E	E	7/8 - 3 1/2	C-3	33.45	33.50	21/32	2 3/4	3/16	84.0

***Suffix on Type indicates: 1 = Solid Construction, 2 = Web Construction, 3 = Arm Construction.**

Table No. 1

Specifications

Part No.	Bushing	Bore Range	Type *	P.D. "3V" Belts	O.D.	E	L	M	Wt. Less Bushing
5 Grooves, F = 2 5/16"									
53V475SDS	SDS	1/2" - 2"	A-1	4.70	4.75	5/32"	1 5/16"	27/32"	5.1
53V500SDS	SDS	1/2 - 2	A-1	4.95	5.00	5/32	1 5/16	27/32	5.7
53V530SK	SK	1/2 - 2 5/8	A-1	5.25	5.30	5/32	1 15/16	7/32	6.5
53V560SK	SK	1/2 - 2 5/8	A-1	5.55	5.60	5/32	1 15/16	7/32	7.5
53V600SK	SK	1/2 - 2 5/8	A-1	5.95	6.00	5/32	1 15/16	7/32	8.9
53V650SK	SK	1/2 - 2 5/8	A-2	6.45	6.50	5/32	1 15/16	7/32	10.6
53V690SK	SK	1/2 - 2 5/8	A-2	6.85	6.90	5/32	1 15/16	7/32	12.8
53V800SK	SK	1/2 - 2 5/8	A-2	7.95	8.00	5/32	1 15/16	7/32	13.6
53V1060SK	SK	1/2 - 2 5/8	A-3	10.55	10.60	5/32	1 15/16	7/32	17.0
53V1400SF	SF	1/2 - 2 15/16	A-3	13.95	14.00	1/32	2 1/16	7/32	26.0
53V1900SF	SF	1/2 - 2 15/16	A-3	18.95	19.00	1/32	2 1/16	7/32	41.0
53V2500E	E	7/8 - 3 1/2	D-3	24.95	25.00	17/32	2 3/4	3/32	63.0
53V3350E	E	7/8 - 3 1/2	D-3	33.45	33.50	17/32	2 3/4	3/32	95.0
6 Grooves, F = 2 23/32"									
63V475SK	SK	1/2 - 2 5/8	D-1	4.70	4.75	21/32	1 15/16	1 7/16	6.0
63V500SK	SK	1/2 - 2 5/8	D-1	4.95	5.00	21/32	1 15/16	1 7/16	6.3
63V530SK	SK	1/2 - 2 5/8	A-1	5.25	5.30	17/32	1 15/16	1/4	6.9
63V560SK	SK	1/2 - 2 5/8	A-1	5.55	5.60	17/32	1 15/16	1/4	8.5
63V600SK	SK	1/2 - 2 5/8	A-1	5.95	6.00	17/32	1 15/16	1/4	9.8
63V650SK	SK	1/2 - 2 5/8	A-1	6.45	6.50	17/32	1 15/16	1/4	11.4
63V690SK	SK	1/2 - 2 5/8	A-1	6.85	6.90	17/32	1 15/16	1/4	13.4
63V800SK	SK	1/2 - 2 5/8	A-2	7.95	8.00	3/32	1 15/16	11/16	15.0
63V1060SF	SF	1/2 - 2 15/16	A-3	10.55	10.60	1/32	2 1/16	5/8	22.6
63V1400SF	SF	1/2 - 2 15/16	A-3	13.95	14.00	1/32	2 1/16	5/8	29.5
63V1900E	E	7/8 - 3 1/2	D-3	18.95	19.00	5/32	2 3/4	1/8	44.0
63V2500E	E	7/8 - 3 1/2	D-3	24.95	25.00	5/32	2 3/4	1/8	65.0
63V3350E	E	7/8 - 3 1/2	D-3	33.45	33.50	5/32	2 3/4	1/8	101.0
8 Grooves, F = 3 17/32"									
83V475SK	SK	1/2 - 2 5/8	D-1	4.70	4.75	21/32	1 15/16	2 1/4	7.2
83V500SK	SK	1/2 - 2 5/8	D-1	4.95	5.00	21/32	1 15/16	2 1/4	7.8
83V530SK	SK	1/2 - 2 5/8	A-1	5.25	5.30	17/32	1 15/16	1 1/16	9.3
83V560SK	SK	1/2 - 2 5/8	A-1	5.55	5.60	17/32	1 15/16	1 1/16	10.5
83V600SK	SK	1/2 - 2 5/8	A-1	5.95	6.00	17/32	1 15/16	1 1/16	12.5
83V650SK	SK	1/2 - 2 5/8	A-1	6.45	6.50	17/32	1 15/16	1 1/16	16.0
83V690SK	SK	1/2 - 2 5/8	A-1	6.85	6.90	17/32	1 15/16	1 1/16	18.0
83V800SF	SF	1/2 - 2 15/16	A-1	7.95	8.00	9/32	2 1/16	1 3/16	21.0
83V1060SF	SF	1/2 - 2 15/16	A-2	10.55	10.60	9/32	2 1/16	1 3/16	25.5
83V1400E	E	7/8 - 3 1/2	A-3	13.95	14.00	3/32	2 3/4	11/16	38.5
83V1900E	E	7/8 - 3 1/2	A-3	18.95	19.00	3/32	2 3/4	11/16	54.0
83V2500E	E	7/8 - 3 1/2	A-3	24.95	25.00	3/32	2 3/4	11/16	80.0
83V3350F	F	1 - 4	D-3	33.45	33.50	9/32	3 3/4	1/16	132.0
10 Grooves, F = 4 11/32"									
103V475SK	SK	1/2 - 2 5/8	D-1	4.70	4.75	21/32	1 15/16	3 1/16	8.3
103V500SK	SK	1/2 - 2 5/8	D-1	4.95	5.00	21/32	1 15/16	3 1/16	9.5
103V530SK	SK	1/2 - 2 5/8	A-1	5.25	5.30	21/32	1 15/16	1 3/4	10.2
103V560SK	SK	1/2 - 2 5/8	A-1	5.55	5.60	21/32	1 15/16	1 3/4	11.4
103V600SK	SK	1/2 - 2 5/8	A-1	5.95	6.00	21/32	1 15/16	1 3/4	14.5
103V650SK	SK	1/2 - 2 5/8	A-1	6.45	6.50	21/32	1 15/16	1 3/4	17.5
103V690SK	SK	1/2 - 2 5/8	A-1	6.85	6.90	21/32	1 15/16	1 3/4	20.0
103V800SF	SF	1/2 - 2 15/16	A-1	7.95	8.00	21/32	2 1/16	1 5/8	24.0
103V1060E	E	7/8 - 3 1/2	A-2	10.55	10.60	3/32	2 3/4	1 1/2	30.2
103V1400E	E	7/8 - 3 1/2	A-3	13.95	14.00	3/32	2 3/4	1 1/2	42.8
103V1900E	E	7/8 - 3 1/2	A-3	18.95	19.00	3/32	2 3/4	1 1/2	64.0
103V2500F	F	1 - 4	D-3	24.95	25.00	1/32	3 3/4	5/8	99.0
103V3350F	F	1 - 4	D-3	33.45	33.50	1/32	3 3/4	5/8	158.0

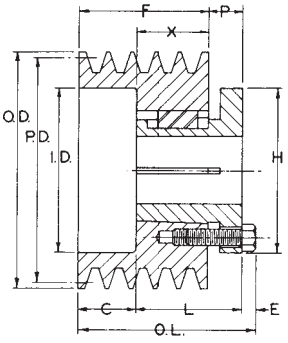
***Suffix on Type indicates: 1 = Solid Construction, 2 = Web Construction, 3 = Arm Construction.**

Standard Keyseats

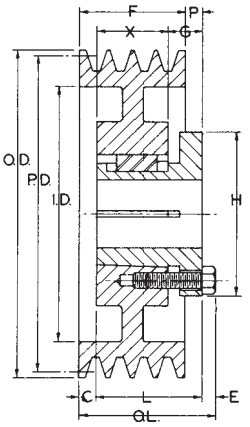
Table No. 2

Bore Range	Keyseat	Bore Range	Keyseat
1/2" - 9/16"	1/8" x 1/16"	1 13/16" - 2 1/4"	1/2" x 1/4"
5/8 - 7/8	3/16 x 3/32	2 5/16 - 2 3/4	5/8 x 5/16
15/16 - 1 1/4	1/4 x 1/8	2 13/16 - 3 1/4	3/4 x 3/8
1 5/16 - 1 3/8	5/16 x 5/32	3 3/8 - 3 3/4	7/8 x 7/16
1 7/16 - 1 3/4	3/8 x 3/16	3 7/8 - 4	1 x 1/2

1 3/8" Bore Bushings also available with 3/8 x 3/16" Keyway.



TYPE 5



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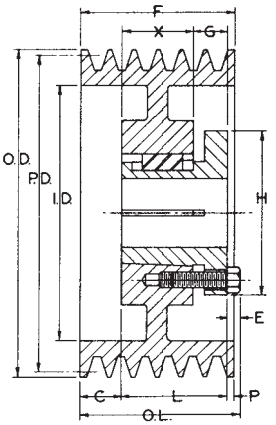
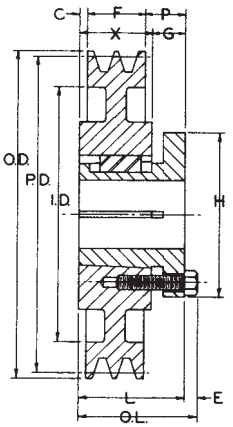


TYPE 15



TYPE 16

Table No. 1

Specifications — Stock "5V" Sheaves

DIAMETERS			Part Number		Type	DIMENSIONS								Wt. Less Bush.
Pitch "5V" Belts	Outside	Inside	Sheave	Bushing		O.L.	L	P	C	H	G	X	E	
2 GROOVES, F = 1 11/16"														
▲4.30"	4.40"	3 3/16"	2P5V44	P1	13-Solid	2 3/16"	1 15/16"	1/4"	—	3"	5/8"	1 5/16"	1/4"	3.8
▲4.50	4.60	2 7/8	2Q5V46	Q1	5	3 7/8	2 1/2	3/4	1 3/32"	4 1/8	—	1 3/4	9/32	6.6
▲4.80	4.90	3 1/8	2Q5V49	Q1	5	3 5/16	2 1/2	3/4	17/32	4 1/8	—	1 3/4	9/32	6.2
▲5.10	5.20	—	2Q5V52	Q1	16-Solid	2 25/32	2 1/2	3/4	1/16	4 1/8	3/4	1 3/4	9/32	5.6
▲5.40	5.50	—	2Q5V55	Q1	16-Solid	2 25/32	2 1/2	3/4	1/16	4 1/8	3/4	1 3/4	9/32	6.6
▲5.80	5.90	—	2Q5V59	Q1	16-Solid	2 25/32	2 1/2	3/4	1/16	4 1/8	3/4	1 3/4	9/32	7.6
▲6.20	6.30	—	2Q5V63	Q1	16-Solid	2 25/32	2 1/2	3/4	1/16	4 1/8	3/4	1 3/4	9/32	9.4
▲6.60	6.70	—	2Q5V67	Q1	16-Solid	2 25/32	2 1/2	3/4	1/16	4 1/8	3/4	1 3/4	9/32	11.0
7.00	7.10	—	2Q5V71	Q1	16-Solid	2 25/32	2 1/2	25/32	1/32	4 1/8	3/4	1 3/4	9/32	12.3
7.40	7.50	—	2Q5V75	Q1	16-Solid	2 25/32	2 1/2	25/32	1/32	4 1/8	3/4	1 3/4	9/32	14.1
7.90	8.00	6 1/4	2Q5V80	Q1	16-Web	2 25/32	2 1/2	25/32	1/32	4 1/8	3/4	1 3/4	9/32	11.6
8.40	8.50	6 3/4	2Q5V85	Q1	16-Web	2 25/32	2 1/2	25/32	1/32	4 1/8	3/4	1 3/4	9/32	12.9
8.90	9.00	7 1/4	2Q5V90	Q1	16-Web	2 25/32	2 1/2	25/32	1/32	4 1/8	3/4	1 3/4	9/32	16.3
9.15	9.25	7 3/8	2Q5V92	Q1	16-Arm	2 25/32	2 1/2	25/32	1/32	4 1/8	3/4	1 3/4	9/32	15.1
9.65	9.75	7 7/8	2Q5V97	Q1	16-Arm	2 25/32	2 1/2	25/32	1/32	4 1/8	3/4	1 3/4	9/32	16.1
10.20	10.30	8 7/16	2Q5V103	Q1	16-Arm	2 25/32	2 1/2	25/32	1/32	4 1/8	3/4	1 3/4	9/32	18.8
10.80	10.90	9	2Q5V109	Q1	16-Arm	2 25/32	2 1/2	25/32	1/32	4 1/8	3/4	1 3/4	9/32	19.3
11.70	11.80	10	2Q5V118	Q1	16-Arm	2 25/32	2 1/2	25/32	1/32	4 1/8	3/4	1 3/4	9/32	21.4
12.40	12.50	10 3/4	2Q5V125	Q1	16-Arm	2 25/32	2 1/2	25/32	1/32	4 1/8	3/4	1 3/4	9/32	23.8
13.10	13.20	11 7/16	2Q5V132	Q1	16-Arm	2 25/32	2 1/2	25/32	1/32	4 1/8	3/4	1 3/4	9/32	25.5
13.90	14.00	12 1/4	2R5V140	R1	16-Arm	3 5/32	2 7/8	1 1/32	5/32	5 3/8	7/8	2	9/32	27.6
14.90	15.00	13 1/4	2R5V150	R1	16-Arm	3 5/32	2 7/8	1 1/32	5/32	5 3/8	7/8	2	9/32	30.9
15.90	16.00	14 1/4	2R5V160	R1	16-Arm	3 5/32	2 7/8	1 1/32	5/32	5 3/8	7/8	2	9/32	33.3
21.10	21.20	19 3/8	2R5V212	R1	16-Arm	3 5/32	2 7/8	1 1/32	5/32	5 3/8	7/8	2	9/32	47.5
27.90	28.00	26 1/4	2R5V280	R1	16-Arm	3 5/32	2 7/8	1 1/32	5/32	5 3/8	7/8	2	9/32	71.0
3 GROOVES, F = 2 3/8"														
▲4.30"	4.40"	3 3/16"	3P5V44	P1	13-Solid	2 23/32"	1 15/16"	3/32"	17/32"	3"	5/8"	1 5/16"	1/4"	3.1
▲4.50	4.60	2 7/8	3Q5V46	Q1	5	4 3/4	2 1/2	3/4	1 25/32	4 1/8	—	1 3/4	9/32	7.6
▲4.80	4.90	3 1/8	3Q5V49	Q1	5	3 13/32	2 1/2	3/4	5/8	4 1/8	—	1 3/4	9/32	7.3
▲5.10	5.20	3 1/2	3Q5V52	Q1	5	3 13/32	2 1/2	3/4	5/8	4 1/8	—	1 3/4	9/32	5.8
▲5.40	5.50	3 3/4	3Q5V55	Q1	5	3 13/32	2 1/2	3/4	5/8	4 1/8	3/4	1 3/4	9/32	7.5
▲5.80	5.90	4 3/16	3Q5V59	Q1	13-Solid	2 31/32	2 1/2	5/16	3/16	4 1/8	3/4	1 3/4	9/32	8.6
▲6.20	6.30	4 9/16	3Q5V63	Q1	13-Solid	2 31/32	2 1/2	5/16	3/16	4 1/8	3/4	1 3/4	9/32	10.3
▲6.60	6.70	5	3Q5V67	Q1	13-Solid	2 31/32	2 1/2	5/16	3/16	4 1/8	3/4	1 3/4	9/32	12.0
7.00	7.10	5 3/8	3Q5V71	Q1	13-Web	2 31/32	2 1/2	5/16	3/16	4 1/8	3/4	1 3/4	9/32	13.9
7.40	7.50	5 3/4	3Q5V75	Q1	13-Web	2 31/32	2 1/2	5/16	3/16	4 1/8	3/4	1 3/4	9/32	16.0
7.90	8.00	6 1/4	3R5V80	R1	13-Web	3 11/32	2 7/8	11/16	3/16	5 3/8	7/8	2	9/32	17.2
8.40	8.50	6 3/4	3R5V85	R1	13-Web	3 11/32	2 7/8	11/16	3/16	5 3/8	7/8	2	9/32	20.5
8.90	9.00	7 1/4	3R5V90	R1	13-Web	3 11/32	2 7/8	11/16	3/16	5 3/8	7/8	2	9/32	22.2
9.15	9.25	7 3/8	3R5V92	R1	13-Web	3 11/32	2 7/8	11/16	3/16	5 3/8	7/8	2	9/32	24.1
9.65	9.75	7 7/8	3R5V97	R1	13-Web	3 11/32	2 7/8	11/16	3/16	5 3/8	7/8	2	9/32	24.8
10.20	10.30	8 7/16	3R5V103	R1	13-Web	3 11/32	2 7/8	11/16	3/16	5 3/8	7/8	2	9/32	26.4
10.80	10.90	9	3R5V109	R1	13-Web	3 11/32	2 7/8	11/16	3/16	5 3/8	7/8	2	9/32	28.0
11.70	11.80	10	3R5V118	R1	13-Web	3 11/32	2 7/8	11/16	3/16	5 3/8	7/8	2	9/32	31.9
12.40	12.50	10 3/4	3R5V125	R1	13-Arm	3 11/32	2 7/8	11/16	3/16	5 3/8	7/8	2	9/32	35.1
13.10	13.20	11 7/16	3R5V132	R1	13-Arm	3 11/32	2 7/8	11/16	3/16	5 3/8	7/8	2	9/32	29.0
13.90	14.00	12 1/4	3R5V140	R1	13-Arm	3 11/32	2 7/8	11/16	3/16	5 3/8	7/8	2	9/32	32.3
14.90	15.00	13 1/4	3R5V150	R1	13-Arm	3 11/32	2 7/8	11/16	3/16	5 3/8	7/8	2	9/32	35.0
15.90	16.00	14 1/4	3R5V160	R1	13-Arm	3 11/32	2 7/8	11/16	3/16	5 3/8	7/8	2	9/32	38.7
21.10	21.20	19 3/8	3R5V212	R1	13-Arm	3 11/32	2 7/8	11/16	3/16	5 3/8	7/8	2	9/32	52.0
27.90	28.00	26 1/4	3R5V280	R1	13-Arm	3 11/32	2 7/8	11/16	3/16	5 3/8	7/8	2	9/32	80.0
37.40	37.50	35 3/4	3S5V375	S1	16-Arm	4 3/4	4 3/8	1 17/32	15/32	6 3/8	1 1/16	3 5/16	3/8	147.0
49.90	50.00	48 1/4	3U5V500	U0	16-Arm	5 13/32	4 15/16	1 7/8	11/16	8 3/8	1 3/16	3 3/4	15/32	216.0

For optimum sheave selection, see B5V Stock Sheave Listing on Page A-12.

▲ **For use only with 358 Gripnotch Belts.**

For optimum sheave selection, see B5V Stock Sheave Listing on Page A-13.

Table No. 1

Specifications — Stock "5V" Sheaves

DIAMETERS			Part Number		Type	DIMENSIONS								Wt. Less Bush.
Pitch "5V" Belts	Outside	Inside	Sheave	Bushing		O.L.	L	P	C	H	G	X	E	
4 GROOVES, F = 3 1/16"														
▲4.30"	4.40"	3"	4P5V44	P1	13-Solid	3 3/16"	1 15/32"	1/8"	7/8"	3"	5/8"	1 5/16"	1/4"	3.2
▲4.50	4.60	2 7/8	4Q5V46	Q2	5	5 1/4	3 1/2	3/4	1 15/32	4 1/8	—	2 3/4	9/32	8.6
▲4.80	4.90	3 1/8	4Q5V49	Q1	5	4 3/32	2 1/2	3/4	1 5/16	4 1/8	—	1 3/4	9/32	8.5
▲5.10	5.20	3 1/2	4Q5V52	Q1	5	4 3/32	2 1/2	3/4	1 5/16	4 1/8	—	1 3/4	9/32	7.8
▲5.40	5.50	3 3/4	4Q5V55	Q1	5	4 3/32	2 1/2	3/4	1 5/16	4 1/8	3/4	1 3/4	9/32	8.3
▲5.80	5.90	4 3/16	4Q5V59	Q1	13-Solid	4 3/32	2 1/2	0	9/16	4 1/8	3/4	1 3/4	9/32	10.1
▲6.20	6.30	4 9/16	4Q5V63	Q1	13-Solid	4 3/32	2 1/2	0	9/16	4 1/8	3/4	1 3/4	9/32	11.8
▲6.60	6.70	5	4Q5V67	Q1	13-Solid	4 3/32	2 1/2	0	9/16	4 1/8	3/4	1 3/4	9/32	13.6
7.00	7.10	5 3/8	4Q5V71	Q1	13-Web	3 11/32	2 1/2	0	9/16	4 1/8	3/4	1 3/4	9/32	15.9
7.40	7.50	5 3/4	4Q5V75	Q1	13-Web	3 11/32	2 1/2	0	9/16	4 1/8	3/4	1 3/4	9/32	18.4
7.90	8.00	6 1/4	4R5V80	R1	13-Web	3 11/16	2 7/8	11/32	17/32	5 3/8	7/8	2	9/32	19.4
8.40	8.50	6 3/4	4R5V85	R1	13-Web	3 11/16	2 7/8	11/32	17/32	5 3/8	7/8	2	9/32	22.8
8.90	9.00	7 1/4	4R5V90	R1	13-Web	3 11/16	2 7/8	11/32	17/32	5 3/8	7/8	2	9/32	24.5
9.15	9.25	7 3/8	4R5V92	R1	13-Web	3 11/16	2 7/8	11/32	17/32	5 3/8	7/8	2	9/32	26.6
9.65	9.75	7 7/8	4R5V97	R1	13-Web	3 11/16	2 7/8	11/32	17/32	5 3/8	7/8	2	9/32	28.0
10.20	10.30	8 7/16	4R5V103	R1	13-Web	3 11/16	2 7/8	11/32	17/32	5 3/8	7/8	2	9/32	30.8
10.80	10.90	9	4R5V109	R1	13-Web	3 11/16	2 7/8	11/32	17/32	5 3/8	7/8	2	9/32	31.7
11.70	11.80	10	4R5V118	R1	13-Web	3 11/16	2 7/8	11/32	17/32	5 3/8	7/8	2	9/32	35.3
12.40	12.50	10 3/4	4R5V125	R1	13-Web	3 11/16	2 7/8	11/32	17/32	5 3/8	7/8	2	9/32	37.9
13.10	13.20	11 7/16	4R5V132	R1	13-Arm	3 11/16	2 7/8	11/32	17/32	5 3/8	7/8	2	9/32	33.3
13.90	14.00	12 1/4	4R5V140	R1	13-Arm	3 11/16	2 7/8	11/32	17/32	5 3/8	7/8	2	9/32	36.5
14.90	15.00	13 1/4	4R5V150	R1	13-Arm	3 11/16	2 7/8	11/32	17/32	5 3/8	7/8	2	9/32	40.9
15.90	16.00	14 1/4	4R5V160	R1	13-Arm	3 11/16	2 7/8	11/32	17/32	5 3/8	7/8	2	9/32	43.3
21.10	21.20	19 3/8	4R5V212	R1	13-Arm	3 11/16	2 7/8	11/32	17/32	5 3/8	7/8	2	9/32	59.0
27.90	28.00	26 1/4	4S5V280	S1	16-Arm	4 3/4	4 3/8	1 3/16	1/8	6 3/8	1 1/16	3 5/16	3/8	135
37.40	37.50	35 3/4	4S5V375	S1	16-Arm	4 3/4	4 3/8	1 3/16	1/8	6 3/8	1 1/16	3 5/16	3/8	157
49.90	50.00	48 1/4	4U5V500	U0	16-Arm	5 13/32	4 15/16	1 17/32	11/32	8 3/8	1 3/16	3 3/4	15/32	239
5 GROOVES, F = 3 3/4"														
▲4.50"	4.60"	2 7/8"	5Q5V46	Q2	5	5 15/16"	3 1/2"	3/4"	2 5/16"	4 1/8"	-	2 3/4"	9/32	8.9
▲4.80	4.90	3 1/8	5Q5V49	Q2	5	5 3/8	3 1/2	3/4	1	4 1/8	-	2 3/4	9/32	9.2
▲5.10	5.20	3 1/2	5Q5V52	Q2	5	4 25/32	3 1/2	3/4	1	4 1/8	3/4"	2 3/4	9/32	9.0
▲5.40	5.50	3 3/4	5Q5V55	Q2	5	4 25/32	3 1/2	3/4	1	4 1/8	3/4	2 3/4	9/32	10.8
▲5.80	5.90	4 3/16	5Q5V59	Q2	13-Solid	4 3/32	3 1/2	-	1/4	4 1/8	3/4	2 3/4	9/32	13.2
▲6.20	6.30	4 9/16	5Q5V63	Q2	13-Solid	4 3/32	3 1/2	-	1/4	4 1/8	3/4	2 3/4	9/32	15.9
▲6.60	6.70	5	5Q5V67	Q2	13-Solid	4 3/32	3 1/2	-	1/4	4 1/8	3/4	2 3/4	9/32	18.6
7.00	7.10	5 3/8	5Q5V71	Q2	13-Web	4 1/32	3 1/2	0	1/4	4 1/8	3/4	2 3/4	9/32	22.0
7.40	7.50	5 3/4	5Q3V75	Q2	13-Web	4 1/32	3 1/2	0	1/4	4 1/8	3/4	2 3/4	9/32	25.0
7.90	8.00	6 1/4	5R5V80	R1	15-Web	4 1/32	2 7/8	0	7/8	5 3/8	7/8	2	9/32	21.7
8.40	8.50	6 3/4	5R5V85	R1	15-Web	4 1/32	2 7/8	0	7/8	5 3/8	7/8	2	9/32	25.1
8.90	9.00	7 1/4	5R5V90	R1	15-Web	4 1/32	2 7/8	0	7/8	5 3/8	7/8	2	9/32	25.4
9.15	9.25	7 3/8	5R5V92	R1	15-Web	4 1/32	2 7/8	0	7/8	5 3/8	7/8	2	9/32	28.4
9.65	9.75	7 7/8	5R5V97	R1	15-Web	4 1/32	2 7/8	0	7/8	5 3/8	7/8	2	9/32	31.8
10.20	10.30	8 7/16	5R5V103	R1	15-Web	4 1/32	2 7/8	0	7/8	5 3/8	7/8	2	9/32	32.5
10.80	10.90	9	5R5V109	R1	15-Web	4 1/32	2 7/8	0	7/8	5 3/8	7/8	2	9/32	35.1
11.70	11.80	10	5R5V118	R1	15-Web	4 1/32	2 7/8	0	7/8	5 3/8	7/8	2	9/32	38.8
12.40	12.50	10 3/4	5R5V125	R1	15-Web	4 1/32	2 7/8	0	7/8	5 3/8	7/8	2	9/32	41.8
13.10	13.20	11 7/16	5R5V132	R1	15-Arm	4 1/32	2 7/8	0	7/8	5 3/8	7/8	2	9/32	37.1
13.90	14.00	12 1/4	5R5V140	R1	15-Arm	4 1/32	2 7/8	0	7/8	5 3/8	7/8	2	9/32	41.6
14.90	15.00	13 1/4	5R5V150	R1	15-Arm	4 1/32	2 7/8	0	7/8	5 3/8	7/8	2	9/32	45.0
15.90	16.00	14 1/4	5R5V160	R1	15-Arm	4 1/32	2 7/8	0	7/8	5 3/8	7/8	2	9/32	48.0
21.10	21.20	19 3/8	5R5V212	S1	13-Arm	4 31/32	4 3/8	27/32	7/32	6 3/8	1 1/16	3 5/16	3/8	90.0
24.90	25.00	23 1/4	5S5V250	S1	13-Arm	4 31/32	4 3/8	27/32	7/32	6 3/8	1 1/16	3 5/16	3/8	105
27.90	28.00	26 1/4	5S5V280	S1	13-Arm	4 31/32	4 3/8	27/32	7/32	6 3/8	1 1/16	3 5/16	3/8	120
37.40	37.50	35 3/4	5U5V375	U0	13-Arm	5 13/32	4 15/16	1 3/16	0	8 3/8	1 3/16	3 3/4	15/32	185
49.90	50.00	48 1/4	5U5V500	U0	13-Arm	5 13/32	4 15/16	1 3/16	0	8 3/8	1 3/16	3 3/4	15/32	244

For optimum sheave selection, see B5V Stock Sheave Listing on Page A-14.

▲ For use only with 358 Gripnotch Belts.

Bushing Bores

Table No. 2

Bushing No.	Keyseat
P1	1/2" - 1 3/4"
Q1	3/4 - 2 11/16
Q2	1 - 2 5/8
R1	1 1/8 - 3 3/4
S1	1 11/16 - 4 1/4
U0	2 3/8 - 5 1/2
U1	2 3/8 - 5 1/2

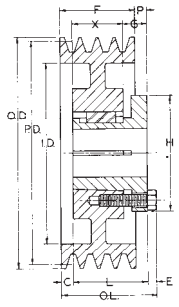
Standard Keyseats

Table No. 3

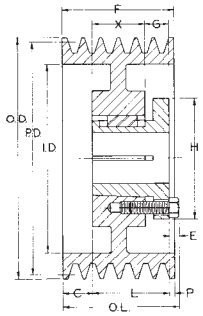
Bore Range	Keyseat
1/2" - 9/16"	1/8" x 1/16"
5/8 - 7/8	3/16 x 3/32
15/16 - 1 1/4	1/4 x 1/8
1 5/16 - 1 3/8	5/16 x 5/32
1 7/16 - 1 3/4	3/8 x 3/16
1 13/16 - 2 1/4	1/2 x 1/4
2 5/16 - 2 3/4	5/8 x 5/16
2 13/16 - 3 1/4	3/4 x 3/8
3 3/8 - 3 3/4	7/8 x 7/16
3 7/8 - 4 1/2	1 x 1/2
4 9/16 - 5 1/2	1 1/4 x 5/8

1 3/8" Bore Bushings (except R2) are available with 3/8" x 3/16" keyseat.

A



TYPE 13



TYPE 15

Bushing Bores

Table No. 1

Bushing No.	Keyseat
P1	1/2" - 1 3/4"
Q1	3/4 - 2 11/16
Q2	1 - 2 5/8
R1	1 1/8 - 3 3/4
R2	1 3/8 - 3 5/8
S1	1 11/16 - 4 1/4
U0	2 3/8 - 5 1/2
U1	2 3/8 - 5 1/2

Standard Keyseats

Table No. 2

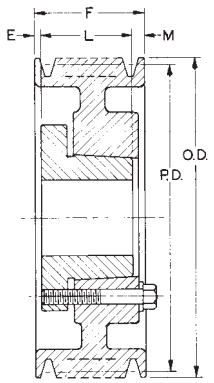
Bore Range	Keyseat
1/2" - 9/16"	1/8" x 1/16"
5/8 - 7/8	3/16 x 3/32
15/16 - 1 1/4	1/4 x 1/8
1 5/16 - 1 3/8	5/16 x 5/32
1 7/16 - 1 3/4	3/8 x 3/16
1 13/16 - 2 1/4	1/2 x 1/4
2 5/16 - 2 3/4	5/8 x 5/16
2 13/16 - 3 1/4	3/4 x 3/8
3 3/8 - 3 3/4	7/8 x 7/16
3 7/8 - 4 1/2	1 x 1/2
4 9/16 - 5 1/2	1 1/4 x 5/8

1 3/8" Bore Bushings (except R2) are available with 3/8" x 3/16" keyseat.

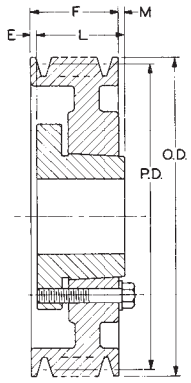
Table No. 3

Specifications — Stock "5V" Sheaves

DIAMETERS			Part Number		Type	DIMENSIONS								Wt. Less Bush.
Pitch "5V" Belts	Outside	Inside	Sheave	Bushing		O.L.	L	P	C	H	G	X	E	
6 GROOVES, F = 4 7/16"														
7.00"	**7.10"**	**5 3/8"**	**6Q5V71**	**Q2**	**15-Web**	**4 7/16"**	**3 1/2"**	1/2"	7/16"	**4 1/8"**	3/4"	**2 3/4"**	9/32"	**23.6**
7.40	**7.50**	**5 3/4**	**6Q5V75**	**Q2**	**15-Web**	**4 7/16**	**3 1/2**	1/2	7/16	**4 1/8**	3/4	**2 3/4**	9/32	**27.3**
7.90	**8.00**	**6 1/4**	**6R5V80**	**R1**	**15-Web**	**4 7/16**	**2 7/8**	11/32	**1 7/32**	**5 3/8**	7/8	**2**	9/32	**23.3**
8.40	**8.50**	**6 3/4**	**6R5V85**	**R1**	**15-Web**	**4 7/16**	**2 7/8**	11/32	**1 7/32**	**5 3/8**	7/8	**2**	9/32	**27.3**
8.90	**9.00**	**7 1/4**	**6R5V90**	**R1**	**15-Web**	**4 7/16**	**2 7/8**	11/32	**1 7/32**	**5 3/8**	7/8	**2**	9/32	**28.8**
9.15	**9.25**	**7 3/8**	**6R5V92**	**R1**	**15-Web**	**4 7/16**	**2 7/8**	11/32	**1 7/32**	**5 3/8**	7/8	**2**	9/32	**31.1**
9.65	**9.75**	**7 7/8**	**6R5V97**	**R1**	**15-Web**	**4 7/16**	**2 7/8**	11/32	**1 7/32**	**5 3/8**	7/8	**2**	9/32	**34.5**
10.20	**10.30**	**8 7/16**	**6R5V103**	**R1**	**15-Web**	**4 7/16**	**2 7/8**	11/32	**1 7/32**	**5 3/8**	7/8	**2**	9/32	**36.8**
10.80	**10.90**	**9**	**6R5V109**	**R1**	**15-Web**	**4 7/16**	**2 7/8**	11/32	**1 7/32**	**5 3/8**	7/8	**2**	9/32	**39.6**
11.70	**11.80**	**10**	**6R5V118**	**R1**	**15-Web**	**4 7/16**	**2 7/8**	11/32	**1 7/32**	**5 3/8**	7/8	**2**	9/32	**42.5**
12.40	**12.50**	**10 3/4**	**6S5V125**	**S1**	**13-Arm**	**5 5/16**	**4 3/8**	1/2	9/16	**6 3/8**	**1 1/16**	**3 5/16**	3/8	**65.0**
13.10	**13.20**	**11 7/16**	**6S5V132**	**S1**	**13-Arm**	**5 5/16**	**4 3/8**	1/2	9/16	**6 3/8**	**1 1/16**	**3 5/16**	3/8	**71.0**
13.90	**14.00**	**12 1/4**	**6S5V140**	**S1**	**13-Arm**	**5 5/16**	**4 3/8**	1/2	9/16	**6 3/8**	**1 1/16**	**3 5/16**	3/8	**70.0**
14.90	**15.00**	**13 1/4**	**6S5V150**	**S1**	**13-Arm**	**5 5/16**	**4 3/8**	1/2	9/16	**6 3/8**	**1 1/16**	**3 5/16**	3/8	**69.0**
15.90	**16.00**	**14 1/4**	**6S5V160**	**S1**	**13-Arm**	**5 5/16**	**4 3/8**	1/2	9/16	**6 3/8**	**1 1/16**	**3 5/16**	3/8	**79.0**
21.10	**21.20**	**19 3/8**	**6S5V212**	**S1**	**13-Arm**	**5 5/16**	**4 3/8**	1/2	9/16	**6 3/8**	**1 1/16**	**3 5/16**	3/8	**97.0**
24.90	**25.00**	**23 1/4**	**6S5V250**	**S1**	**13-Arm**	**5 5/16**	**4 3/8**	1/2	9/16	**6 3/8**	**1 1/16**	**3 5/16**	3/8	**113**
27.90	**28.00**	**26 1/4**	**6S5V280**	**S1**	**13-Arm**	**5 5/16**	**4 3/8**	1/2	9/16	**6 3/8**	**1 1/16**	**3 5/16**	3/8	**128**
37.40	**37.50**	**35 3/4**	**6U5V375**	**U0**	**13-Arm**	**5 3/4**	**4 15/16**	27/32	11/32	**8 3/8**	**1 3/16**	**3 3/4**	15/32	**206**
49.90	**50.00**	**48 1/4**	**6U5V500**	**U0**	**13-Arm**	**5 3/4**	**4 15/16**	27/32	11/32	**8 3/8**	**1 3/16**	**3 3/4**	15/32	**271**
8 GROOVES, F = 5 13/16"														
7.00"	**7.10"**	**5 3/8"**	**8Q5V71**	**Q2**	**15-Web**	**5 13/16"**	**3 1/2"**	**1"**	**1 5/16"**	**4 1/8"**	3/4"	**2 3/4"**	9/32"	**27.9**
7.40	**7.50**	**5 3/4**	**8Q3V75**	**Q2**	**15-Web**	**5 13/16**	**3 1/2**	**1**	**1 5/16**	**4 1/8**	3/4	**2 3/4**	9/32	**32.1**
7.90	**8.00**	**6 1/4**	**8R5V80**	**R2**	**15-Web**	**6 1/16**	**4 7/8**	1/32	**29/32**	**5 3/8**	7/8	**4**	9/32	**45.3**
8.40	**8.50**	**6 3/4**	**8R5V85**	**R2**	**15-Web**	**6 1/16**	**4 7/8**	1/32	**29/32**	**5 3/8**	7/8	**4**	9/32	**45.5**
8.90	**9.00**	**7 1/4**	**8R5V90**	**R2**	**15-Web**	**6 1/16**	**4 7/8**	1/32	**29/32**	**5 3/8**	7/8	**4**	9/32	**50.1**
9.15	**9.25**	**7 3/8**	**8S5V92**	**S1**	**15-Web**	**6**	**4 3/8**	3/16	**1 1/4**	**6 3/8**	**1 1/16**	**3 5/16**	3/8	**47.3**
9.65	**9.75**	**7 7/8**	**8S5V97**	**S1**	**15-Web**	**6**	**4 3/8**	3/16	**1 1/4**	**6 3/8**	**1 1/16**	**3 5/16**	3/8	**50.0**
10.20	**10.30**	**8 7/16**	**8S5V103**	**S1**	**15-Web**	**6**	**4 3/8**	3/16	**1 1/4**	**6 3/8**	**1 1/16**	**3 5/16**	3/8	**63.0**
10.80	**10.90**	**9**	**8S5V109**	**S1**	**15-Web**	**6**	**4 3/8**	3/16	**1 1/4**	**6 3/8**	**1 1/16**	**3 5/16**	3/8	**71.0**
11.70	**11.80**	**10**	**8S5V118**	**S1**	**15-Web**	**6**	**4 3/8**	3/16	**1 1/4**	**6 3/8**	**1 1/16**	**3 5/16**	3/8	**85.0**
12.40	**12.50**	**10 3/4**	**8S5V125**	**S1**	**15-Arm**	**6**	**4 3/8**	3/16	**1 1/4**	**6 3/8**	**1 1/16**	**3 5/16**	3/8	**76.0**
13.10	**13.20**	**11 7/16**	**8S5V132**	**S1**	**15-Arm**	**6**	**4 3/8**	3/16	**1 1/4**	**6 3/8**	**1 1/16**	**3 5/16**	3/8	**79.0**
13.90	**14.00**	**12 1/4**	**8S5V140**	**S1**	**15-Arm**	**6**	**4 3/8**	3/16	**1 1/4**	**6 3/8**	**1 1/16**	**3 5/16**	3/8	**77.0**
14.90	**15.00**	**13 1/4**	**8S5V150**	**S1**	**15-Arm**	**6**	**4 3/8**	3/16	**1 1/4**	**6 3/8**	**1 1/16**	**3 5/16**	3/8	**83.0**
15.90	**16.00**	**14 1/4**	**8S5V160**	**S1**	**15-Arm**	**6**	**4 3/8**	3/16	**1 1/4**	**6 3/8**	**1 1/16**	**3 5/16**	3/8	**90.0**
21.10	**21.20**	**19 3/8**	**8U5V212**	**U1**	**13-Arm**	**7 11/16**	**7 1/8**	**1 13/32**	**3/32**	**8 3/8**	**1 1/2**	**5 5/8**	15/32	**175**
24.90	**25.00**	**23 1/4**	**8U5V250**	**U1**	**13-Arm**	**7 11/16**	**7 1/8**	**1 13/32**	**3/32**	**8 3/8**	**1 1/2**	**5 5/8**	15/32	**190**
27.90	**28.00**	**26 1/4**	**8U5V280**	**U1**	**13-Arm**	**7 11/16**	**7 1/8**	**1 13/32**	**3/32**	**8 3/8**	**1 1/2**	**5 5/8**	15/32	**222**
37.40	**37.50**	**35 3/4**	**8U5V375**	**U1**	**13-Arm**	**7 11/16**	**7 1/8**	**1 13/32**	**3/32**	**8 3/8**	**1 1/2**	**5 5/8**	15/32	**264**
49.90	**50.00**	**48 1/4**	**8U5V500**	**U1**	**13-Arm**	**7 11/16**	**7 1/8**	**1 13/32**	**3/32**	**8 3/8**	**1 1/2**	**5 5/8**	15/32	**393**
10 GROOVES, F = 7 3/16"														
7.90"	**8.00"**	**6 1/4"**	**10R5V80**	**R2**	**15-Web**	**7 3/16"**	**4 7/8"**	23/32"	**1 19/32"**	**5 3/8"**	7/8"	**4"**	9/32"	**43.8**
8.40	**8.50**	**6 3/4**	**10R5V85**	**R2**	**15-Web**	**7 3/16**	**4 7/8**	23/32	**1 19/32**	**5 3/8**	7/8	**4**	9/32	**53.0**
8.90	**9.00**	**7 1/4**	**10R5V90**	**R2**	**15-Web**	**7 3/16**	**4 7/8**	23/32	**1 19/32**	**5 3/8**	7/8	**4**	9/32	**59.0**
9.15	**9.25**	**7 3/8**	**10S5V92**	**S1**	**15-Web**	**7 3/16**	**4 3/8**	7/8	**1 15/16**	**6 3/8**	**1 1/16**	**3 5/16**	3/8	**53.0**
9.65	**9.75**	**7 7/8**	**10S5V97**	**S1**	**15-Web**	**7 3/16**	**4 3/8**	7/8	**1 15/16**	**6 3/8**	**1 1/16**	**3 5/16**	3/8	**60.0**
10.20	**10.30**	**8 7/16**	**10S5V103**	**S1**	**15-Web**	**7 3/16**	**4 3/8**	7/8	**1 15/16**	**6 3/8**	**1 1/16**	**3 5/16**	3/8	**69.0**
10.80	**10.90**	**9**	**8S5V109**	**S1**	**15-Web**	**7 3/16**	**4 3/8**	7/8	**1 15/16**	**6 3/8**	**1 1/16**	**3 5/16**	3/8	**78.0**
11.70	**11.80**	**10**	**10S5V118**	**S1**	**15-Web**	**7 3/16**	**4 3/8**	7/8	**1 15/16**	**6 3/8**	**1 1/16**	**3 5/16**	3/8	**93.0**
12.40	**12.50**	**10 3/4**	**10U5V125**	**U1**	**13-Web**	**8 3/8**	**7 1/8**	23/32	**25/32**	**8 3/8**	**1 1/2**	**5 5/8**	15/32	**132**
13.10	**13.20**	**11 7/16**	**10U5V132**	**U1**	**13-Web**	**8 3/8**	**7 1/8**	23/32	**25/32**	**8 3/8**	**1 1/2**	**5 5/8**	15/32	**151**
13.90	**14.00**	**12 1/4**	**10U5V140**	**U1**	**13-Web**	**8 3/8**	**7 1/8**	23/32	**25/32**	**8 3/8**	**1 1/2**	**5 5/8**	15/32	**177**
14.90	**15.00**	**13 1/4**	**10U5V150**	**U1**	**13-Web**	**8 3/8**	**7 1/8**	23/32	**25/32**	**8 3/8**	**1 1/2**	**5 5/8**	15/32	**164**
15.90	**16.00**	**14 1/4**	**10U5V160**	**U1**	**13-Web**	**8 3/8**	**7 1/8**	23/32	**25/32**	**8 3/8**	**1 1/2**	**5 5/8**	15/32	**138**
21.10	**21.20**	**19 3/8**	**10U5V212**	**U1**	**13-Arm**	**8 3/8**	**7 1/8**	23/32	**25/32**	**8 3/8**	**1 1/2**	**5 5/8**	15/32	**188**
24.90	**25.00**	**23 1/4**	**10U5V250**	**U1**	**13-Arm**	**8 3/8**	**7 1/8**	23/32	**25/32**	**8 3/8**	**1 1/2**	**5 5/8**	15/32	**213**
27.90	**28.00**	**26 1/4**	**10U5V280**	**U1**	**13-Arm**	**8 3/8**	**7 1/8**	23/32	**25/32**	**8 3/8**	**1 1/2**	**5 5/8**	15/32	**238**
37.40	**37.50**	**35 3/4**	**10U5V375**	**U1**	**13-Arm**	**8 3/8**	**7 1/8**	23/32	**25/32**	**8 3/8**	**1 1/2**	**5 5/8**	15/32	**293**
49.90	**50.00**	**48 1/4**	**10U5V500**	**U1**	**13-Arm**	**8 3/8**	**7 1/8**	23/32	**25/32**	**8 3/8**	**1 1/2**	**5 5/8**	15/32	**428**



TYPE A



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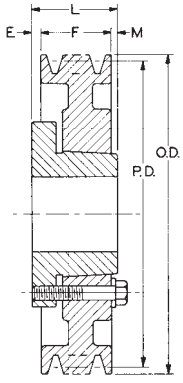

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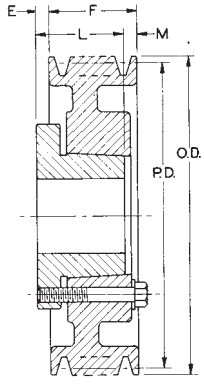
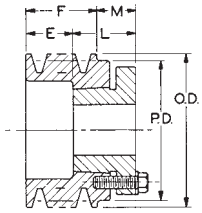


TYPE D



TYPE E

A

Table No. 1

Specifications

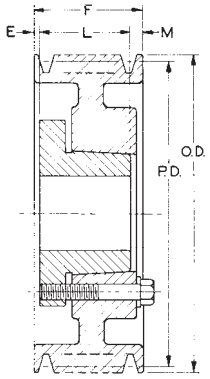
Part No.	Bushing	Bore Range	Type *	PD "5V" Belts	O.D.	E	L	M	Wt. Less Bushing
2 GROOVES, F = 1 11/16"									
25V440SH	SH	1/2" - 1 5/8"	D-1	4.30"	4.40"	11/32"	1 5/16"	23/32"	5.8
25V465SDS	SDS	1/2 - 2	E-1	4.55	4.65	27/32	1 5/16	15/32	6.6
25V490SDS	SDS	1/2 - 2	A-1	4.80	4.90	1/32	1 5/16	11/32	6.8
25V520SDS	SDS	1/2 - 2	A-1	5.10	5.20	1/32	1 5/16	11/32	7.0
25V550SDS	SDS	1/2 - 2	A-1	5.40	5.50	1/32	1 5/16	11/32	7.2
25V590SDS	SDS	1/2 - 2	A-1	5.80	5.90	1/32	1 5/16	11/32	7.6
25V630SK	SK	1/2 - 2 5/8	D-1	6.20	6.30	11/32	1 15/16	3/32	9.4
25V670SK	SK	1/2 - 2 5/8	D-1	6.60	6.70	11/32	1 15/16	3/32	10.5
25V710SK	SK	1/2 - 2 5/8	D-1	7.00	7.10	11/32	1 15/16	3/32	11.5
25V750SK	SK	1/2 - 2 5/8	D-1	7.40	7.50	11/32	1 15/16	3/32	12.5
25V800SK	SK	1/2 - 2 5/8	D-2	7.90	8.00	11/32	1 15/16	3/32	13.0
25V850SK	SK	1/2 - 2 5/8	D-2	8.40	8.50	11/32	1 15/16	3/32	14.0
25V900SK	SK	1/2 - 2 5/8	D-3	8.90	9.00	11/32	1 15/16	3/32	15.2
25V925SK	SK	1/2 - 2 5/8	D-3	9.15	9.25	11/32	1 15/16	3/32	15.3
25V975SK	SK	1/2 - 2 5/8	D-3	9.65	9.75	11/32	1 15/16	3/32	15.5
25V1030SK	SK	1/2 - 2 5/8	D-3	10.20	10.30	11/32	1 15/16	3/32	15.5
25V1090SK	SK	1/2 - 2 5/8	D-3	10.80	10.90	11/32	1 15/16	3/32	16.5
25V1130SK	SK	1/2 - 2 5/8	D-3	11.20	11.30	11/32	1 15/16	3/32	17.8
25V1180SK	SK	1/2 - 2 5/8	D-3	11.70	11.80	11/32	1 15/16	3/32	19.0
25V1250SF	SF	1/2 - 2 15/16	D-3	12.40	12.50	13/32	2 1/16	1/32	21.0
25V1320SF	SF	1/2 - 2 15/16	D-3	13.10	13.20	13/32	2 1/16	1/32	22.6
25V1400SF	SF	1/2 - 2 15/16	D-3	13.90	14.00	13/32	2 1/16	1/32	25.3
25V1500SF	SF	1/2 - 2 15/16	D-3	14.90	15.00	13/32	2 1/16	1/32	27.4
25V1600SF	SF	1/2 - 2 15/16	D-3	15.90	16.00	13/32	2 1/16	1/32	29.2
25V1870SF	SF	1/2 - 2 15/16	D-3	18.60	18.70	13/32	2 1/16	1/32	36.0
25V2120SF	SF	1/2 - 2 15/16	D-3	21.10	21.20	13/32	2 1/16	1/32	43.0
25V2360E	E	7/8 - 3 1/2	C-3	23.50	23.60	29/32	2 3/4	5/32	55.0
25V2800E	E	7/8 - 3 1/2	C-3	27.90	28.00	29/32	2 3/4	5/32	67.0
3 GROOVES, F = 2 3/8"									
35V440SDS	SDS	1/2 - 2	E-1	4.30	4.40	1 23/32	1 5/16	21/32	6.5
35V465SDS	SDS	1/2 - 2	E-1	4.55	4.65	1 23/32	1 5/16	21/32	7.6
35V490SDS	SDS	1/2 - 2	A-1	4.80	4.90	13/32	1 5/16	21/32	7.8
35V520SDS	SDS	1/2 - 2	A-1	5.10	5.20	13/32	1 5/16	21/32	8.0
35V550SDS	SDS	1/2 - 2	A-1	5.40	5.50	13/32	1 5/16	21/32	8.2
35V590SDS	SDS	1/2 - 2	A-1	5.80	5.90	13/32	1 5/16	21/32	8.6
35V630SK	SK	1/2 - 2 5/8	A-1	6.20	6.30	9/32	1 15/16	5/32	10.4
35V670SK	SK	1/2 - 2 5/8	A-1	6.60	6.70	9/32	1 15/16	5/32	11.7
35V710SF	SF	1/2 - 2 15/16	A-1	7.00	7.10	5/32	2 1/16	5/32	12.7
35V750SF	SF	1/2 - 2 15/16	A-1	7.40	7.50	5/32	2 1/16	5/32	15.0
35V800SF	SF	1/2 - 2 15/16	A-1	7.90	8.00	5/32	2 1/16	5/32	16.5
35V850SF	SF	1/2 - 2 15/16	A-3	8.40	8.50	5/32	2 1/16	5/32	18.0
35V900SF	SF	1/2 - 2 15/16	A-3	8.90	9.00	5/32	2 1/16	5/32	19.8
35V925SF	SF	1/2 - 2 15/16	A-3	9.15	9.25	5/32	2 1/16	5/32	20.7
35V975SF	SF	1/2 - 2 15/16	A-3	9.65	9.75	5/32	2 1/16	5/32	22.6
35V1030SF	SF	1/2 - 2 15/16	A-3	10.20	10.30	5/32	2 1/16	5/32	24.6
35V1090SF	SF	1/2 - 2 15/16	A-3	10.80	10.90	5/32	2 1/16	5/32	26.7
35V1130SF	SF	1/2 - 2 15/16	A-3	11.20	11.30	5/32	2 1/16	5/32	28.2
35V1180SF	SF	1/2 - 2 15/16	A-3	11.70	11.80	5/32	2 1/16	5/32	29.7
35V1250E	E	7/8 - 3 1/2	D-3	12.40	12.50	13/32	2 3/4	1/32	34.0
35V1320E	E	7/8 - 3 1/2	D-3	13.10	13.20	13/32	2 3/4	1/32	35.0

For optimum sheave selection, see B5V Stock Sheave Listing on Page A-12.

***Suffix on Type indicates: 1 = Solid Construction, 2 = Web Construction, 3 = Arm Construction.**

For optimum sheave selection, see B5V Stock Sheave Listing on Page A-13.

A



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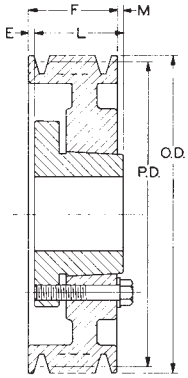

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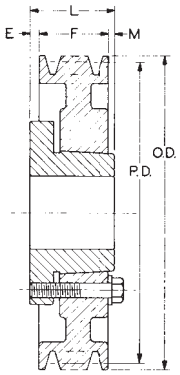

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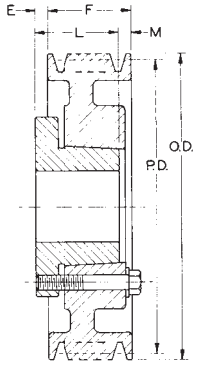

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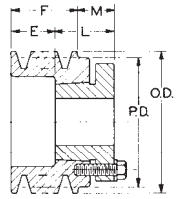


TYPE E

Standard Keyseats

Table No. 1

Bore Range	Keyseat
1/2" - 9/16"	1/8" x 1/16"
5/8 - 7/8	3/16 x 3/32
15/16 - 1 1/4	1/4 x 1/8
1 5/16 - 1 3/8	5/16 x 5/32
1 7/16 - 1 3/4	3/8 x 3/16
1 13/16 - 2 1/4	1/2 x 1/4
2 5/16 - 2 3/4	5/8 x 5/16
2 13/16 - 3 1/4	3/4 x 3/8
3 3/8 - 3 3/4	7/8 x 7/16
3 7/8 - 4 1/4	1 X 1/2
4 9/16 - 5 1/2	1 1/4 X 5/8

1 3/8" Bore Bushings also available with 3/8" X 3/16" Keyseat.

Table No. 2

Specifications

Part No.	Bushing	Bore Range	Type *	PD "5V" Belts	O.D.	E	L	M	Wt. Less Bushing
3 GROOVES, (Cont.), F = 2 3/8									
35V1400E	E	7/8" - 3 1/2"	D-3	13.90"	14.00"	13/32"	2 3/4"	1/32"	37.0
35V1500E	E	7/8" - 3 1/2	D-3	14.90	15.00	13/32	2 3/4	1/32	38.0
35V1600E	E	7/8" - 3 1/2	D-3	15.90	16.00	13/32	2 3/4	1/32	39.2
35V1870E	E	7/8" - 3 1/2	D-3	18.60	18.70	13/32	2 3/4	1/32	47.2
35V2120E	E	7/8" - 3 1/2	D-3	21.10	21.20	13/32	2 3/4	1/32	55.0
35V2360E	E	7/8" - 3 1/2	D-3	23.50	23.60	13/32	2 3/4	1/32	70.2
35V2800E	E	7/8" - 3 1/2	D-3	27.90	28.00	13/32	2 3/4	1/32	86.5
35V3150F	F	1 - 4	C-3	31.40	31.50	25/32	3 3/4	19/32	116
35V3750F	F	1 - 4	C-3	37.40	37.50	25/32	3 3/4	19/32	141
35V5000F	F	1 - 4	C-3	49.90	50.00	25/32	3 3/4	19/32	211
4 GROOVES, F = 3 1/16"				For optimum sheave selection, see B5V Stock Sheave Listing on Page A-13					
45V440SD	SD	1/2 - 2	E-1	4.30	4.40	1 29/32	1 13/16	21/32	7.5
45V465SD	SD	1/2 - 2	E-1	4.55	4.65	1 29/32	1 13/16	21/32	8.0
45V490SD	SD	1/2 - 2	A-1	4.80	4.90	21/32	1 13/16	19/32	8.5
45V520SD	SD	1/2 - 2	A-1	5.10	5.20	21/32	1 13/16	19/32	8.8
45V550SD	SD	1/2 - 2	A-1	5.40	5.50	21/32	1 13/16	19/32	9.3
45V590SD	SD	1/2 - 2	A-1	5.80	5.90	21/32	1 13/16	19/32	10.1
45V630SK	SK	1/2 - 2 5/8	A-1	6.20	6.30	17/32	1 15/16	19/32	11.8
45V670SK	SK	1/2 - 2 5/8	A-1	6.60	6.70	17/32	1 15/16	19/32	13.6
45V710SF	SF	1/2 - 2 15/16	A-1	7.00	7.10	7/32	2 1/16	25/32	14.9
45V750SF	SF	1/2 - 2 15/16	A-1	7.40	7.50	7/32	2 1/16	25/32	17.0
45V800E	E	7/8 - 3 1/2	B-1	7.90	8.00	11/32	2 3/4	1/32	18.8
45V850E	E	7/8 - 3 1/2	B-1	8.40	8.50	11/32	2 3/4	1/32	21.9
45V900E	E	7/8 - 3 1/2	B-1	8.90	9.00	11/32	2 3/4	1/32	24.2
45V925E	E	7/8 - 3 1/2	B-1	9.15	9.25	11/32	2 3/4	1/32	25.8
45V975E	E	7/8 - 3 1/2	B-1	9.65	9.75	11/32	2 3/4	1/32	28.2
45V1030E	E	7/8 - 3 1/2	B-1	10.20	10.30	11/32	2 3/4	1/32	29.8
45V1090E	E	7/8 - 3 1/2	B-2	10.80	10.90	11/32	2 3/4	1/32	30.6
45V1130E	E	7/8 - 3 1/2	A-3	11.20	11.30	9/32	2 3/4	1/32	31.9
45V1180E	E	7/8 - 3 1/2	B-2	11.70	11.80	11/32	2 3/4	1/32	33.0
45V1250E	E	7/8 - 3 1/2	A-3	12.40	12.50	9/32	2 3/4	1/32	36.4
45V1320E	E	7/8 - 3 1/2	A-3	13.10	13.20	9/32	2 3/4	1/32	38.2
45V1400E	E	7/8 - 3 1/2	A-3	13.90	14.00	9/32	2 3/4	1/32	40.2
45V1500E	E	7/8 - 3 1/2	A-3	14.90	15.00	9/32	2 3/4	1/32	43.5
45V1600E	E	7/8 - 3 1/2	A-3	15.90	16.00	9/32	2 3/4	1/32	44.6
45V1870E	E	7/8 - 3 1/2	A-3	18.60	18.70	3/32	2 3/4	7/32	53.6
45V2120E	E	7/8 - 3 1/2	A-3	21.10	21.20	3/32	2 3/4	7/32	62.5
45V2360F	F	1 - 4	C-3	23.50	23.60	15/32	3 3/4	7/32	83.5
45V2800F	F	1 - 4	C-3	27.90	28.00	15/32	3 3/4	7/32	126
45V3150F	F	1 - 4	C-3	31.40	31.50	15/32	3 3/4	7/32	148
45V3750F	F	1 - 4	C-3	37.40	37.50	15/32	3 3/4	7/32	170
45V5000J	J	1 1/2 - 4 1/2	C-3	49.90	50.00	3/4	4 5/8	13/16	248

***Suffix on Type indicates: 1 = Solid Construction, 2 = Web Construction, 3 = Arm Construction.**
For optimum sheave selection, see B5V Stock Sheave Listing on Page A-14.

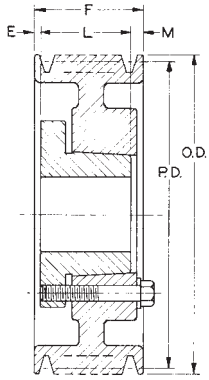
Table No. 1

Specifications

Part No.	Bushing	Bore Range	Type *	PD "5V" Belts	O.D.	E	L	M	Wt. Less Bushing
5 GROOVES, F = 3 3/4"									
55V440SD	SD	1/2" - 2"	E-1	4.30"	4.40"	2 19/32"	1 13/16"	21/32"	8.9
55V465SD	SD	1/2 - 2	E-1	4.55	4.55	2 19/32	1 13/16	21/32	9.2
55V490SD	SD	1/2 - 2	A-1	4.80	4.90	21/32	1 13/16	1 9/32	10.1
55V520SD	SD	1/2 - 2	A-1	5.10	5.20	21/32	1 13/16	1 9/32	10.8
55V550SD	SD	1/2 - 2	A-1	5.40	5.50	21/32	1 13/16	1 9/32	12.0
55V590SK	SK	1/2 - 2 5/8	A-1	5.80	5.90	17/32	1 15/16	1 9/32	13.2
55V630SK	SK	1/2 - 2 5/8	A-1	6.20	6.30	17/32	1 15/16	1 9/32	15.9
55V670SF	SF	1/2 - 2 15/16	A-1	6.60	6.60	17/32	2 1/16	1 5/32	18.6
55V710SF	SF	1/2 - 2 15/16	A-1	7.00	7.10	17/32	2 1/16	1 5/32	21.7
55V750SF	SF	1/2 - 2 15/16	A-1	7.40	7.50	17/32	2 1/16	1 5/32	22.8
55V800E	E	7/8 - 3 1/2	A-1	7.90	8.00	19/32	2 3/4	13/32	23.7
55V850E	E	7/8 - 3 1/2	A-1	8.40	8.50	19/32	2 3/4	13/32	24.8
55V900E	E	7/8 - 3 1/2	A-1	8.90	9.00	19/32	2 3/4	13/32	26.3
55V925E	E	7/8 - 3 1/2	A-1	9.15	9.25	19/32	2 3/4	13/32	28.2
55V975E	E	7/8 - 3 1/2	A-1	9.65	9.75	19/32	2 3/4	13/32	32.0
55V1030E	E	7/8 - 3 1/2	A-2	10.20	10.30	19/32	2 3/4	13/32	33.0
55V1090E	E	7/8 - 3 1/2	A-2	10.80	10.80	19/32	2 3/4	13/32	35.0
55V1130E	E	7/8 - 3 1/2	A-3	11.20	11.30	19/32	2 3/4	13/32	36.5
55V1180E	E	7/8 - 3 1/2	A-3	11.70	11.80	19/32	2 3/4	13/32	38.0
55V1250E	E	7/8 - 3 1/2	A-3	12.40	12.50	19/32	2 3/4	13/32	40.8
55V1320E	E	7/8 - 3 1/2	A-3	13.10	13.20	19/32	2 3/4	13/32	42.3
55V1400E	E	7/8 - 3 1/2	A-3	13.90	14.00	19/32	2 3/4	13/32	44.6
55V1500E	E	7/8 - 3 1/2	A-3	14.90	15.00	19/32	2 3/4	13/32	48.2
55V1600E	E	7/8 - 3 1/2	A-3	15.90	16.00	19/32	2 3/4	13/32	51.2
55V1870F	F	1 - 4	D-3	18.60	18.70	3/32	3 3/4	3/32	70.2
55V2120F	F	1 - 4	D-3	21.10	21.20	1/32	3 3/4	1/32	89.0
55V2360F	F	1 - 4	D-3	23.50	23.60	1/32	3 3/4	1/32	105.0
55V2800F	F	1 - 4	D-3	27.90	28.00	1/32	3 3/4	1/32	123.0
55V3150J	J	1 1/2 - 4 1/2	C-3	31.40	31.50	7/16	4 5/8	7/16	151.0
55V3750J	J	1 1/2 - 4 1/2	C-3	37.40	37.50	7/16	4 5/8	7/16	190.0
55V5000J	J	1 1/2 - 4 1/2	C-3	49.90	50.00	7/16	4 5/8	7/16	278.0
6 GROOVES, F = 4 7/16"									
65V440SD	SD	1/2 - 2	E-1	4.30	4.40	3 25/32	1 13/16	21/32	10.1
65V465SD	SD	1/2 - 2	E-1	4.55	4.65	3 25/32	1 13/16	21/32	10.4
65V490SD	SD	1/2 - 2	A-1	4.80	4.90	21/32	1 13/16	1 31/32	11.2
65V520SD	SD	1/2 - 2	A-1	5.10	5.20	21/32	1 13/16	1 31/32	12.1
65V550SD	SD	1/2 - 2	A-1	5.40	5.50	21/32	1 13/16	1 31/32	13.3
65V590SK	SK	1/2 - 2 5/8	A-1	5.80	5.90	17/32	1 15/16	1 31/32	14.6
65V630SK	SK	1/2 - 2 5/8	A-1	6.20	6.30	17/32	1 15/16	1 31/32	17.4
65V670SF	SF	1/2 - 2 15/16	A-1	6.60	6.70	25/32	2 1/16	1 19/32	20.0
65V710SF	SF	1/2 - 2 15/16	A-1	7.00	7.10	25/32	2 1/16	1 19/32	21.9
65V750SF	SF	1/2 - 2 15/16	A-1	7.40	7.50	25/32	2 1/16	1 19/32	23.4
65V800E	E	7/8 - 3 1/2	A-1	7.90	8.00	27/32	2 3/4	27/32	24.2
65V850E	E	7/8 - 3 1/2	A-1	8.40	8.50	27/32	2 3/4	27/32	26.7
65V900E	E	7/8 - 3 1/2	A-1	8.90	9.00	27/32	2 3/4	27/32	28.5
65V925E	E	7/8 - 3 1/2	A-1	9.15	9.25	27/32	2 3/4	27/32	30.2
65V975E	E	7/8 - 3 1/2	A-1	9.65	9.75	27/32	2 3/4	27/32	33.8
65V1030E	E	7/8 - 3 1/2	A-2	10.20	10.30	27/32	2 3/4	27/32	36.6
65V1090E	E	7/8 - 3 1/2	A-2	10.80	10.90	27/32	2 3/4	27/32	38.1
65V1130E	E	7/8 - 3 1/2	A-3	11.20	11.30	27/32	2 3/4	27/32	39.8
65V1180E	E	7/8 - 3 1/2	A-2	11.70	11.80	27/32	2 3/4	27/32	41.2
65V1250F	F	1 - 4	B-3	12.40	12.50	23/32	3 3/4	1/32	58.2
65V1320F	F	1 - 4	B-3	13.10	13.20	23/32	3 3/4	1/32	64.0
65V1400F	F	1 - 4	B-3	13.90	14.00	23/32	3 3/4	1/32	66.0
65V1500F	F	1 - 4	B-3	14.90	15.00	23/32	3 3/4	1/32	68.0
65V1600F	F	1 - 4	B-3	15.90	16.00	23/32	3 3/4	1/32	77.5
65V1870F	F	1 - 4	D-3	18.60	18.70	1/32	3 3/4	23/32	85.8
65V2120F	F	1 - 4	D-3	21.10	21.20	1/32	3 3/4	23/32	96.0
65V2360J	J	1 1/2 - 4 1/2	C-3	23.50	23.60	1/8	4 5/8	1/16	113
65V2800J	J	1 1/2 - 4 1/2	C-3	27.90	28.00	1/8	4 5/8	1/16	148
65V3150J	J	1 1/2 - 4 1/2	C-3	31.40	31.50	1/8	4 5/8	1/16	183
65V3750J	J	1 1/2 - 4 1/2	C-3	37.40	37.50	1/8	4 5/8	1/16	218
65V5000M	M	2 - 5 1/2	C-3	49.90	50.00	1 3/32	6 3/4	1 7/32	310

***Suffix on Type indicates: 1 = Solid Construction, 2 = Web Construction, 3 = Arm Construction.**

A



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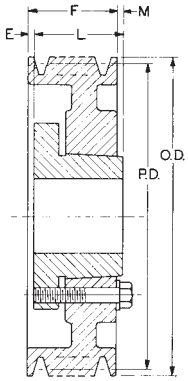

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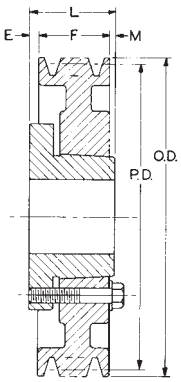

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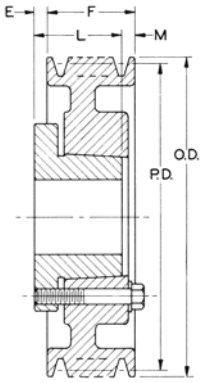

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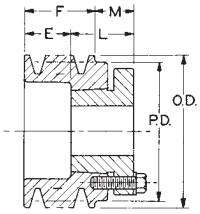


TYPE E

Standard Keyseats

Table No. 1

Bore Range	Keyseat
1/2 " - 9/16"	1/8" x 1/16"
5/8 - 7/8	3/16 x 3/32
15/16 - 1 1/4	1/4 x 1/8
1 5/16 - 1 3/8	5/16 x 5/32
1 7/16 - 1 3/4	3/8 x 3/16
1 13/16 - 2 1/4	1/2 x 1/4
2 5/16 - 2 3/4	5/8 x 5/16
2 13/16 - 3 1/4	3/4 x 3/8
3 3/8 - 3 3/4	7/8 x 7/16
3 7/8 - 4 1/4	1 x 1/2
4 9/16 - 5 1/2	1 1/4 x 5/8

1 3/8" Bore Bushings also available with 3/8" X 3/16" Keyseat.

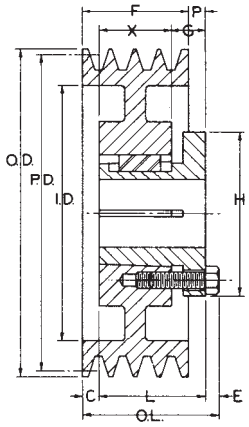
Table No. 2

Specifications

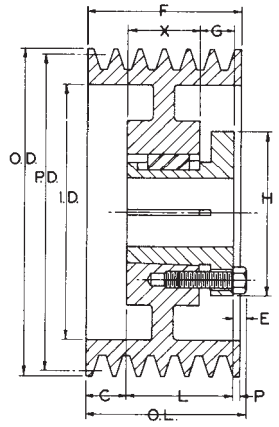
Part No.	Bushing	Bore Range	Type *	PD "5V" Belts	O.D.	E	L	M	Wt. Less Bushing
8 GROOVES, F = 5 13/16"									
85V710SF	SF	1/2" - 2 15/16"	A-1	7.00	7.10	1 9/32"	2 1/16"	2 15/32"	24.7
85V750SF	SF	1/2 - 2 15/16	A-1	7.40	7.50	1 9/32	2 1/16	2 15/32	28.2
85V800E	E	7/8 - 3 1/2	A-1	7.90	8.00	1 11/32	2 3/4	1 23/32	35.0
85V850E	E	7/8 - 3 1/2	A-1	8.40	8.50	1 11/32	2 3/4	1 23/32	37.2
85V900E	E	7/8 - 3 1/2	A-1	8.90	9.00	1 11/32	2 3/4	1 23/32	42.0
85V925F	F	1 - 4	A-1	9.15	9.25	1 7/32	3 3/4	27/32	44.0
85V975F	F	1 - 4	A-1	9.65	9.75	1 7/32	3 3/4	27/32	48.4
85V1030F	F	1 - 4	A-1	10.20	10.30	1 7/32	3 3/4	27/32	58.4
85v1090F	F	1 - 4	A-1	10.80	10.90	1 7/32	3 3/4	27/32	63.1
85V1130F	F	1 - 4	A-1	11.20	11.30	1 7/32	3 3/4	27/32	67.0
85V1180F	F	1 - 4	A-2	11.70	11.80	1 7/32	3 3/4	27/32	71.0
85V1250F	F	1 - 4	A-3	12.40	12.50	1 7/32	3 3/4	27/32	76.0
85V1320F	F	1 - 4	A-3	13.10	13.20	1 7/32	3 3/4	27/32	80.0
85V1400F	F	1 - 4	A-3	13.90	14.00	1 7/32	3 3/4	27/32	81.0
85V1500F	F	1 - 4	A-3	14.90	15.00	1 7/32	3 3/4	27/32	83.0
85V1600F	F	1 - 4	A-3	15.90	16.00	1 7/32	3 3/4	27/32	90.0
85V1870J	J	1 1/2 - 4 1/2	A-3	18.60	18.70	1/8	4 5/8	1 1/16	120
85V2120J	J	1 1/2 - 4 1/2	A-3	21.10	21.20	1/8	4 5/8	1 1/16	152
85V2360J	J	1 1/2 - 4 1/2	A-3	23.50	23.60	1/8	4 5/8	1 1/16	185
85V2800J	J	1 1/2 - 4 1/2	A-3	27.90	28.00	1/8	4 5/8	1 1/16	210
85V3150M	M	2 - 5 1/2	B-3	31.40	31.50	11/32	6 3/4	1 9/32	242
85V3750M	M	2 - 5 1/2	B-3	37.40	37.50	11/32	6 3/4	1 9/32	285
85V5000M	M	2 - 5 1/2	B-3	49.90	50.00	11/32	6 3/4	1 9/32	408
10 GROOVES, F = 7 3/16"									
105V800E	E	7/8 - 3 1/2	A-1	7.90	8.00	2 3/32	2 3/4	2 11/32	37.6
105V850E	E	7/8 - 3 1/2	A-1	8.40	8.50	2 3/32	2 3/4	2 11/32	44.5
105V900F	F	1 - 4	A-1	8.90	9.00	1 31/32	3 3/4	1 15/32	51.3
105V925F	F	1 - 4	A-1	9.15	9.25	1 31/32	3 3/4	1 15/32	53.0
105V975F	F	1 - 4	A-1	9.65	9.75	1 31/32	3 3/4	1 15/32	56.0
105V1030F	F	1 - 4	A-1	10.20	10.30	1 31/32	3 3/4	1 15/32	64.0
105V1090F	F	1 - 4	A-1	10.80	10.90	1 31/32	3 3/4	1 15/32	72.0
105V1130F	F	1 - 4	A-1	11.20	11.30	1 31/32	3 3/4	1 15/32	77.0
105V1180F	F	1 - 4	A-2	11.70	11.80	1 31/32	3 3/4	1 15/32	81.0
105V1250J	J	1 1/2 - 4 1/2	A-2	12.40	12.50	2 1/8	4 5/8	7/16	112
105V1320J	J	1 1/2 - 4 1/2	A-2	13.10	13.20	2 1/8	4 5/8	7/16	116
105V1400J	J	1 1/2 - 4 1/2	A-3	13.90	14.00	2 1/8	4 5/8	7/16	130
105V1500J	J	1 1/2 - 4 1/2	A-3	14.90	15.00	2 1/8	4 5/8	7/16	138
105V1600J	J	1 1/2 - 4 1/2	A-3	15.90	16.00	2 1/8	4 5/8	7/16	146
105V1870J	J	1 1/2 - 4 1/2	A-3	18.60	18.70	1/8	4 5/8	2 7/16	157
105V2120J	J	1 1/2 - 4 1/2	A-3	21.10	21.20	1/8	4 5/8	2 7/16	168
105V2360M	M	2 - 5 1/2	A-3	23.50	23.60	11/32	6 3/4	3/32	213
105V2800M	M	2 - 5 1/2	A-3	27.90	28.00	11/32	6 3/4	3/32	240
105V3150M	M	2 - 5 1/2	A-3	31.40	31.50	11/32	6 3/4	3/32	275
105V3750M	M	2 - 5 1/2	A-3	37.40	37.50	11/32	6 3/4	3/32	315
105V5000M	M	2 - 5 1/2	A-3	49.90	50.00	11/32	6 3/4	3/32	458

***Suffix on Type indicates: 1 = Solid Construction, 2 = Web Construction, 3 = Arm Construction.**

Close Grained Cast Iron
◆
Accurately Machined
◆
Statically Balanced



TYPE 13



TYPE 15

Bushing Bores

Table No. 1

Bushing No.	Bore Range
S1	1 11/16" - 4 1/4"
U0	2 3/8 - 5 1/2

Standard Keyseats

Table No. 2

Bore Range	Keyseat
1 7/8" - 2 1/4"	1/2" x 1/4"
2 5/16 - 2 3/4	5/8 x 5/16
2 13/16 - 3 1/4	3/4 x 3/8
3 3/8 - 3 3/4	7/8 x 7/16
3 7/8 - 4 1/2	1 x 1/2
4 9/16 - 5 1/2	1 1/4 x 5/8

Specifications — Stock "8V" Sheaves

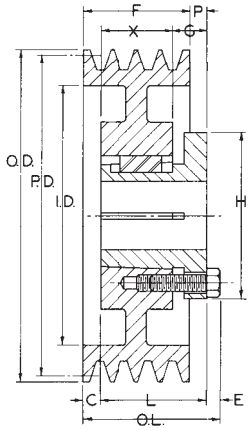
Table No. 3

DIAMETERS			4 GROOVES, F = 4 7/8"											
Pitch "8V" Belts	Outside	Inside	Part Number		Type	Dimensions								Wt. Less Bush.
			Sheave	Bushing		O.L.	L	P	C	H	G	X	E	
12.3"	12.5"	9 1/2"	**4S8V125**	**S1**	15-Sol.	4 7/8"	4 3/8"	1/2"	0	6 3/8"	1 1/16"	3 5/16"	3/8"	94
13.0	13.2	10 1/4	**4S8V132**	**S1**	15-Sol.	4 7/8	4 3/8	1/2	0	6 3/8	1 1/16	3 5/16	3/8	99
13.8	14.0	11	**4S8V140**	**S1**	15-Sol.	4 7/8	4 3/8	1/2	0	6 3/8	1 1/16	3 5/16	3/8	114
14.8	15.0	12	**4S8V150**	**S1**	15-Web	4 7/8	4 3/8	1/2	0	6 3/8	1 1/16	3 5/16	3/8	107
15.8	16.0	13	**4S8V160**	**S1**	15-Web	4 7/8	4 3/8	1/2	0	6 3/8	1 1/16	3 5/16	3/8	113
16.8	17.0	14	**4S8V170**	**S1**	15-Web	4 7/8	4 3/8	1/2	0	6 3/8	1 1/16	3 5/16	3/8	115
17.8	18.0	15	**4S8V180**	**S1**	15-Web	4 7/8	4 3/8	1/2	0	6 3/8	1 1/16	3 5/16	3/8	123
18.8	19.0	16	**4S8V190**	**S1**	15-Web	4 7/8	4 3/8	1/2	0	6 3/8	1 1/16	3 5/16	3/8	132
19.8	20.0	17	**4S8V200**	**S1**	15-Web	4 7/8	4 3/8	1/2	0	6 3/8	1 1/16	3 5/16	3/8	147
21.0	21.2	18 1/4	**4S8V212**	**S1**	15-Web	4 7/8	4 3/8	1/2	0	6 3/8	1 1/16	3 5/16	3/8	159
22.2	22.4	19 3/8	**4U8V224**	**U0**	13-Arm	5 31/32	4 15/16	5/8	9/16"	8 3/8	1 3/16	3 3/4	15/32	159
29.8	30.0	27	**4U8V300**	**U0**	13-Arm	5 31/32	4 15/16	5/8	9/16	8 3/8	1 3/16	3 3/4	15/32	218
39.8	40.0	37	**4U8V400**	**U0**	13-Arm	5 31/32	4 15/16	5/8	9/16	8 3/8	1 3/16	3 3/4	15/32	296
47.8	48.0	45	**4U8V480**	**U0**	13-Arm	5 31/32	4 15/16	5/8	9/16	8 3/8	1 3/16	3 3/4	15/32	405
52.8	53.0	49 3/4	**4U8V530**	**U0**	13-Arm	5 31/32	4 15/16	5/8	9/16	8 3/8	1 3/16	3 3/4	15/32	450
57.8	58.0	54 3/4	**4U8V580**	**U0**	13-Arm	5 31/32	4 15/16	5/8	9/16	8 3/8	1 3/16	3 3/4	15/32	495
63.8	64.0	60 3/4	**4U8V640**	**U0**	13-Arm	5 31/32	4 15/16	5/8	9/16	8 3/8	1 3/16	3 3/4	15/32	520

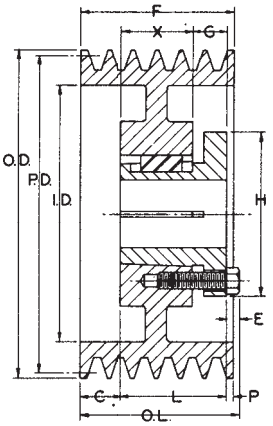
Table No. 4

DIAMETERS			5 GROOVES, F = 6"											
Pitch "8V" Belts	Outside	Inside	Part Number		Type	Dimensions								Wt. Less Bush.
			Sheave	Bushing		O.L.	L	P	C	H	G	X	E	
12.3"	12.5"	9 1/2"	**5S8V125**	**S1**	15-Web	6"	4 3/8"	7/8"	3/4"	6 3/8"	1 1/16"	3 5/16"	3/8"	100
13.0	13.2	10 1/4	**5S8V132**	**S1**	15-Web	6"	4 3/8	7/8	3/4	6 3/8	1 1/16	3 5/16	3/8	109
13.8	14.0	11	**5S8V140**	**S1**	15-Web	6	4 3/8	7/8	3/4	6 3/8	1 1/16	3 5/16	3/8	127
14.8	15.0	12	**5S8V150**	**S1**	15-Web	6	4 3/8	7/8	3/4	6 3/8	1 1/16	3 5/16	3/8	120
15.8	16.0	13	**5S8V160**	**S1**	15-Web	6	4 3/8	7/8	3/4	6 3/8	1 1/16	3 5/16	3/8	121
16.8	17.0	14	**5S8V170**	**S1**	15-Web	6	4 3/8	7/8	3/4	6 3/8	1 1/16	3 5/16	3/8	133
17.8	18.0	15	**5S8V180**	**S1**	15-Web	6	4 3/8	7/8	3/4	6 3/8	1 1/16	3 5/16	3/8	140
18.8	19.0	16	**5S8V190**	**S1**	15-Web	6	4 3/8	7/8	3/4	6 3/8	1 1/16	3 5/16	3/8	158
19.8	20.0	17	**5S8V200**	**S1**	15-Web	6	4 3/8	7/8	3/4	6 3/8	1 1/16	3 5/16	3/8	166
21.0	21.2	18 1/4	**5S8V212**	**S1**	15-Web	6	4 3/8	7/8	3/4	6 3/8	1 1/16	3 5/16	3/8	174
22.2	22.4	19 3/8	**5U8V224**	**U0**	13-Arm	6 17/32	4 15/16	1/16	1 1/8	8 3/8	1 3/16	3 3/4	15/32	157
29.8	30.0	27	**5U8V300**	**U0**	13-Arm	6 17/32	4 15/16	1/16	1 1/8	8 3/8	1 3/16	3 3/4	15/32	243
39.8	40.0	37	**5U8V400**	**U0**	13-Arm	6 17/32	4 15/16	1/16	1 1/8	8 3/8	1 3/16	3 3/4	15/32	325
47.8	48.0	45	**5U8V480**	**U0**	13-Arm	6 17/32	4 15/16	1/16	1 1/8	8 3/8	1 3/16	3 3/4	15/32	440
52.8	53.0	49 3/4	**5U8V530**	**U0**	13-Arm	6 17/32	4 15/16	1/16	1 1/8	8 3/8	1 3/16	3 3/4	15/32	480
57.8	58.0	54 3/4	**5U8V580**	**U0**	13-Arm	6 17/32	4 15/16	1/16	1 1/8	8 3/8	1 3/16	3 3/4	15/32	525
63.8	64.0	60 3/4	**5U8V640**	**U0**	13-Arm	6 17/32	4 15/16	1/16	1 1/8	8 3/8	1 3/16	3 3/4	15/32	555

Close Grained Cast Iron
◆
Accurately Machined
◆
Statically Balanced



TYPE 13



TYPE 15

Bushing Bores

Table No. 1

Bushing No.	Bore Range
S1	1 11/16" - 4 1/4"
S2	1 7/8 - 4 3/16
U0	2 3/8 - 5 1/2
U1	2 3/8 - 5 1/2
U2	2 7/16 - 5
W1	3 3/8 - 7 7/16

Standard Keyseats

Table No. 2

Bore Range	Keyseat
1 7/8" - 2 1/4"	1/2" x 1/4"
2 5/16 - 2 3/4	5/8 x 5/16
2 13/16 - 3 1/4	3/4 x 3/8
3 3/8 - 3 3/4	7/8 x 7/16
3 7/8 - 4 1/2	1 x 1/2
4 9/16 - 5 1/2	1 1/4 x 5/8
5 9/16 - 6 1/2	1 1/2 x 3/4
6 9/16 - 7 7/16	1 3/4 x 3/4

Specifications — Stock "8V" Sheaves

Table No. 3

DIAMETERS			6 GROOVES, F = 7 1/8"											
Pitch "8V" Belts	Outside	Inside	Part Number		Type	Dimensions								Wt. Less Bush.
			Sheave	Bushing		O.L.	L	P	C	H	G	X	E	
12.3"	**12.5"**	**9** 1/2"	**6S8V125**	**S1**	**15-Web**	**7** 1/8"	**4** 3/8"	**2"**	3/4"	**6** 3/8"	**1** 1/16"	**3** 5/16"	3/8"	**109**
13.0	**13.2**	**10** 1/4	**6S8V132**	**S1**	**15-Web**	**7** 1/8	**4** 3/8	**2**	3/4	**6** 3/8	**1** 1/16	**3** 5/16	3/8	**119**
13.8	**14.0**	**11**	**6S8V140**	**S1**	**15-Web**	**7** 1/8	**4** 3/8	**2**	3/4	**6** 3/8	**1** 1/16	**3** 5/16	3/8	**135**
14.8	**15.0**	**12**	**6S8V150**	**S1**	**15-Web**	**7** 1/8	**4** 3/8	**2**	3/4	**6** 3/8	**1** 1/16	**3** 5/16	3/8	**129**
15.8	**16.0**	**13**	**6S8V160**	**S1**	**15-Web**	**7** 1/8	**4** 3/8	**2**	3/4	**6** 3/8	**1** 1/16	**3** 5/16	3/8	**133**
16.8	**17.0**	**14**	**6S8V170**	**S1**	**15-Web**	**7** 1/8	**4** 3/8	**2**	3/4	**6** 3/8	**1** 1/16	**3** 5/16	3/8	**147**
17.8	**18.0**	**15**	**6S8V180**	**S1**	**15-Web**	**7** 1/8	**4** 3/8	**2**	3/4	**6** 3/8	**1** 1/16	**3** 5/16	3/8	**154**
18.8	**19.0**	**16**	**6S8V190**	**S1**	**15-Web**	**7** 1/8	**4** 3/8	**2**	3/4	**6** 3/8	**1** 1/16	**3** 5/16	3/8	**167**
19.8	**20.0**	**17**	**6S8V200**	**S1**	**15-Web**	**7** 1/8	**4** 3/8	**2**	3/4	**6** 3/8	**1** 1/16	**3** 5/16	3/8	**178**
21.0	**21.2**	**18** 1/4	**6S8V212**	**S1**	**15-Web**	**7** 1/8	**4** 3/8	**2**	3/4	**6** 3/8	**1** 1/16	**3** 5/16	3/8	**186**
22.2	**22.4**	**19** 3/8	**6U8V224**	**U0**	**15-Arm**	**7** 1/8	**4** 15/16	1/2	**1** 11/16	**8** 3/8	1 3/16	**3** 3/4	15/32	**195**
29.8	**30.0**	**27**	**6U8V300**	**U0**	**15-Arm**	**7** 1/8	**4** 15/16	1/2	**1** 11/16	**8** 3/8	**1** 3/16	**3** 3/4	15/32	**263**
39.8	**40.0**	**37**	**6U8V400**	**U0**	**15-Arm**	**7** 1/8	**4** 15/16	1/2	**1** 11/16	**8** 3/8	**1** 3/16	**3** 3/4	15/32	**363**
47.8	**48.0**	**45**	**6U8V480**	**U0**	**15-Arm**	**7** 1/8	**4** 15/16	1/2	**1** 11/16	**8** 3/8	**1** 3/16	**3** 3/4	15/32	**478**
52.8	**53.0**	**49** 3/4	**6U8V530**	**U0**	**15-Arm**	**7** 1/8	**4** 15/16	1/2	**1** 11/16	**8** 3/8	**1** 3/16	**3** 3/4	15/32	**510**
57.8	**58.0**	**54** 3/4	**6U8V580**	**U0**	**15-Arm**	**7** 1/8	**4** 15/16	1/2	**1** 11/16	**8** 3/8	**1** 3/16	**3** 3/4	15/32	**555**
63.8	**64.0**	**60** 3/4	**6U8V640**	**U0**	**15-Arm**	**7** 1/8	**4** 15/16	1/2	**1** 11/16	**8** 3/8	**1** 3/16	**3** 3/4	15/32	**585**

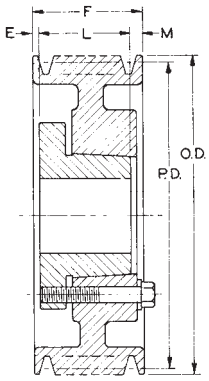
Table No. 4

DIAMETERS			8 GROOVES, F = 9 3/8"											
Pitch "8V" Belts	Outside	Inside	Part Number		Type	Dimensions								Wt. Less Bush.
			Sheave	Bushing		O.L.	L	P	C	H	G	X	E	
12.3"	**12.5"**	**9** 1/2"	**8S8V125**	**S2**	**15-Web**	**9** 3/8"	**6** 3/4"	**1** 7/8"	3/4"	**6** 3/8"	**1** 1/16"	**5** 11/16"	3/8"	**140**
13.0	**13.2**	**10** 1/4	**8S8V132**	**S2**	**15-Web**	**9** 3/8	**6** 3/4	**1** 7/8	3/4	**6** 3/8	**1** 1/16	**5** 11/16	3/8	**176**
13.8	**14.0**	**11**	**8S8V140**	**S2**	**15-Web**	**9** 3/8	**6** 3/4	**1** 7/8	3/4	**6** 3/8	**1** 1/16	**5** 11/16	3/8	**205**
14.8	**15.0**	**12**	**8S8V150**	**S2**	**15-Web**	**9** 3/8	**6** 3/4	**1** 7/8	3/4	**6** 3/8	**1** 1/16	**5** 11/16	3/8	**186**
15.8	**16.0**	**13**	**8S8V160**	**S2**	**15-Arm**	**9** 3/8	**6** 3/4	**1** 7/8	3/4	**6** 3/8	**1** 1/16	**5** 11/16	3/8	**210**
16.8	**17.0**	**14**	**8U8V170**	**U1**	**15-Web**	**9** 3/8	**7** 1/8	**1** 1/4	**1**	**8** 3/8	**1** 1/2	**5** 5/8	15/32	**248**
17.8	**18.0**	**15**	**8U8V180**	**U1**	**15-Web**	**9** 3/8	**7** 1/8	**1** 1/4	**1**	**8** 3/8	**1** 1/2	**5** 5/8	15/32	**249**
18.8	**19.0**	**16**	**8U8V190**	**U1**	**15-Web**	**9** 3/8	**7** 1/8	**1** 1/4	**1**	**8** 3/8	**1** 1/2	**5** 5/8	15/32	**235**
19.8	**20.0**	**17**	**8U8V200**	**U1**	**15-Web**	**9** 3/8	**7** 1/8	**1** 1/4	**1**	**8** 3/8	**1** 1/2	**5** 5/8	15/32	**251**
21.0	**21.2**	**18** 1/4	**8U8V212**	**U1**	**15-Web**	**9** 3/8	**7** 1/8	**1** 1/4	**1**	**8** 3/8	**1** 1/2	**5** 5/8	15/32	**268**
22.2	**22.4**	**19** 3/8	**8U8V224**	**U1**	**15-Arm**	**9** 15/32	**7** 1/8	3/8	**1** 7/8	**8** 3/8	**1** 1/2	**5** 5/8	15/32	**253**
29.8	**30.0**	**27**	**8U8V300**	**U1**	**15-Arm**	**9** 15/32	**7** 1/8	3/8	**1** 7/8	**8** 3/8	**1** 1/2	**5** 5/8	15/32	**358**
39.8	**40.0**	**37**	**8W8V400**	**W1**	**13-Arm**	**10** 5/16	**8** 1/4	3/8	**1** 1/2	**12** 1/2	**1** 7/8	**6** 3/8	9/16	**567**
47.8	**48.0**	**45**	**8W8V480**	**W1**	**13-Arm**	**10** 5/16	**8** 1/4	3/8	**1** 1/2	**12** 1/2	**1** 7/8	**6** 3/8	9/16	**715**
52.8	**53.0**	**49** 3/4	**8W8V530**	**W1**	**13-Arm**	**10** 5/16	**8** 1/4	3/8	**1** 1/2	**12** 1/2	**1** 7/8	**6** 3/8	9/16	**762**
57.8	**58.0**	**54** 3/4	**8W8V580**	**W1**	**13-Arm**	**10** 5/16	**8** 1/4	3/8	**1** 1/2	**12** 1/2	**1** 7/8	**6** 3/8	9/16	**914**
63.8	**64.0**	**60** 3/4	**8W8V640**	**W1**	**13-Arm**	**10** 5/16	**8** 1/4	3/8	**1** 1/2	**12** 1/2	**1** 7/8	**6** 3/8	9/16	**970**

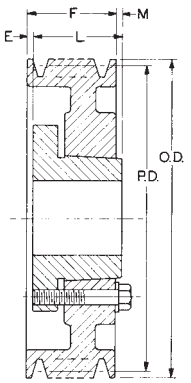
Table No. 1

Specifications — Stock "8V" Sheaves

DIAMETERS			Part Number		Type	Dimensions								Wt. Less Bush.
Pitch "8V" Belts	Outside	Inside	Sheave	Bushing		O.L.	L	P	C	H	G	X	E	
10 GROOVES, F = 11 5/8"														
12.3"	12.5"	9 1/2"	**10U8V125**	**U1**	15-Web	11 5/8"	7 1/8"	3 1/2"	1"	8 3/8"	1 1/2"	5 5/8"	15/32"	156
13.0	13.2	10 1/4	**10U8V132**	**U1**	15-Web	11 5/8	7 1/8	3 1/2	1	8 3/8	1 1/2	5 5/8	15/32	182
13.8	14.0	11	**10U8V140**	**U1**	15-Web	11 5/8	7 1/8	3 1/2	1	8 3/8	1 1/2	5 5/8	15/32	207
14.8	15.0	12	**10U8V150**	**U1**	15-Web	11 5/8	7 1/8	3 1/2	1	8 3/8	1 1/2	5 5/8	15/32	240
15.8	16.0	13	**10U8V160**	**U1**	15-Web	11 5/8	7 1/8	3 1/2	1	8 3/8	1 1/2	5 5/8	15/32	283
16.8	17.0	14	**10U8V170**	**U1**	15-Web	11 5/8	7 1/8	3 1/2	1	8 3/8	1 1/2	5 5/8	15/32	274
17.8	18.0	15	**10U8V180**	**U1**	15-Web	11 5/8	7 1/8	3 1/2	1	8 3/8	1 1/2	5 5/8	15/32	282
18.8	19.0	16	**10U8V190**	**U1**	15-Web	11 5/8	7 1/8	3 1/2	1	8 3/8	1 1/2	5 5/8	15/32	264
19.8	20.0	17	**10U8V200**	**U1**	15-Web	11 5/8	7 1/8	3 1/2	1	8 3/8	1 1/2	5 5/8	15/32	279
21.0	21.2	18 1/4	**10U8V212**	**U1**	15-Web	11 5/8	7 1/8	3 1/2	1	8 3/8	1 1/2	5 5/8	15/32	296
22.2	22.4	19 3/8	**10U8V224**	**U1**	15-Arm	11 5/8	7 1/8	1 1/2	3	8 3/8	1 1/2	5 5/8	15/32	309
29.8	30.0	27	**10U8V300**	**UI**	15-Arm	11 5/8	7 1/8	1 1/2	3	8 3/8	1 1/2	5 5/8	15/32	410
39.8	40.0	37	**10W8V400**	**W1**	15-Arm	11 5/8	8 1/4	3/4	2 5/8	12 1/2	1 7/8	6 3/8	9/16	625
47.8	48.0	45	**10W8V480**	**W1**	15-Arm	11 5/8	8 1/4	3/4	2 5/8	12 1/2	1 7/8	6 3/8	9/16	811
52.8	53.0	49 3/4	**10W8V530**	**W1**	15-Arm	11 5/8	8 1/4	3/4	2 5/8	12 1/2	1 7/8	6 3/8	9/16	955
57.8	58.0	54 3/4	**10W8V580**	**W1**	15-Arm	11 5/8	8 1/4	3/4	2 5/8	12 1/2	1 7/8	6 3/8	9/16	1060
63.8	64.0	60 3/4	**10W8V640**	**W1**	15-Arm	11 5/8	8 1/4	3/4	2 5/8	12 1/2	1 7/8	6 3/8	9/16	1170
12 GROOVES, F = 13 7/8"														
12.3"	12.5"	9 1/2"	**12U8V125**	**U2**	15-Web	13 7/8"	10 1/8"	2 3/4"	1"	8 3/8"	1 1/2"	8 5/8"	15/32"	200
13.0	13.2	10 1/4	**12U8V132**	**U2**	15-Web	13 7/8	10 1/8	2 3/4	1	8 3/8	1 1/2	8 5/8	15/32	243
13.8	14.0	11	**12U8V140**	**U2**	15-Web	13 7/8	10 1/8	2 3/4	1	8 3/8	1 1/2	8 5/8	15/32	282
14.8	15.0	12	**12U8V150**	**U2**	15-Web	13 7/8	10 1/8	2 3/4	1	8 3/8	1 1/2	8 5/8	15/32	331
15.8	16.0	13	**12U8V160**	**U2**	15-Web	13 7/8	10 1/8	2 3/4	1	8 3/8	1 1/2	8 5/8	15/32	387
16.8	17.0	14	**12U8V170**	**U2**	15-Web	13 7/8	10 1/8	2 3/4	1	8 3/8	1 1/2	8 5/8	15/32	395
17.8	18.0	15	**12U8V180**	**U2**	15-Web	13 7/8	10 1/8	2 3/4	1	8 3/8	1 1/2	8 5/8	15/32	408
18.8	19.0	16	**12U8V190**	**U2**	15-Web	13 7/8	10 1/8	2 3/4	1	8 3/8	1 1/2	8 5/8	15/32	435
19.8	20.0	17	**12U8V200**	**U2**	15-Web	13 7/8	10 1/8	2 3/4	1	8 3/8	1 1/2	8 5/8	15/32	428
21.0	21.2	18 1/4	**12U8V212**	**U2**	15-Web	13 7/8	10 1/8	2 3/4	1	8 3/8	1 1/2	8 5/8	15/32	450
22.2	22.4	19 3/8	**12U8V224**	**U2**	15-Arm	13 7/8	10 1/8	1 1/8	2 5/8	8 3/8	1 1/2	8 5/8	15/32	421
29.8	30.0	27	**12U8V300**	**U2**	15-Arm	13 7/8	10 1/8	1 1/8	2 5/8	8 3/8	1 1/2	8 5/8	15/32	509
39.8	40.0	37	**12W8V400**	**W2**	15-Arm	14 1/16	11 1/4	3/8	2 1/4	12 1/2	1 7/8	9 3/8	9/16	764
47.8	48.0	45	**12W8V480**	**W2**	15-Arm	14 1/16	11 1/4	3/8	2 1/4	12 1/2	1 7/8	9 3/8	9/16	1000
52.8	53.0	49 3/4	**12W8V530**	**W2**	15-Arm	14 1/16	11 1/4	3/8	2 1/4	12 1/2	1 7/8	9 3/8	9/16	1160
57.8	58.0	54 3/4	**12W8V580**	**W2**	15-Arm	14 1/16	11 1/4	3/8	2 1/4	12 1/2	1 7/8	9 3/8	9/16	1330
63.8	64.0	60 3/4	**12W8V640**	**W2**	15-Arm	14 1/16	11 1/4	3/8	2 1/4	12 1/2	1 7/8	9 3/8	9/16	1460
14 GROOVES, F = 16 1/8"														
12.3"	12.5"	9 1/2"	**14U8V125**	**U2**	15-Web	16 1/8"	10 1/8"	5"	1"	8 3/8"	1 1/2"	8 5/8"	15/32"	220
13.0	13.2	10 1/4	**14U8V132**	**U2**	15-Web	16 1/8	10 1/8	5	1	8 3/8	1 1/2	8 5/8	15/32	261
13.8	14.0	11	**14U8V140**	**U2**	15-Web	16 1/8	10 1/8	5	1	8 3/8	1 1/2	8 5/8	15/32	300
14.8	15.0	12	**14U8V150**	**U2**	15-Web	16 1/8	10 1/8	5	1	8 3/8	1 1/2	8 5/8	15/32	370
15.8	16.0	13	**14U8V160**	**U2**	15-Web	16 1/8	10 1/8	5	1	8 3/8	1 1/2	8 5/8	15/32	415
16.8	17.0	14	**14U8V170**	**U2**	15-Web	16 1/8	10 1/8	5	1	8 3/8	1 1/2	8 5/8	15/32	440
17.8	18.0	15	**14U8V180**	**U2**	15-Web	16 1/8	10 1/8	5	1	8 3/8	1 1/2	8 5/8	15/32	450
18.8	19.0	16	**14U8V190**	**U2**	15-Web	16 1/8	10 1/8	5	1	8 3/8	1 1/2	8 5/8	15/32	470
19.8	20.0	17	**14U8V200**	**U2**	15-Web	16 1/8	10 1/8	5	1	8 3/8	1 1/2	8 5/8	15/32	490
21.0	21.2	18 1/4	**14U8V212**	**U2**	15-Web	16 1/8	10 1/8	5	1	8 3/8	1 1/2	8 5/8	15/32	510
22.2	22.4	19 3/8	**14U8V224**	**U2**	15-Arm	16 1/8	10 1/8	2 1/4	3 3/4	8 3/8	1 1/2	8 5/8	15/32	459
29.8	30.0	27	**14U8V300**	**U2**	15-Arm	16 1/8	10 1/8	2 1/4	3 3/4	8 3/8	1 1/2	8 5/8	15/32	710
39.8	40.0	37	**14W8V400**	**W2**	15-Arm	16 1/8	11 1/4	1 1/2	3 3/8	12 1/2	1 7/8	9 3/8	9/16	840
47.8	48.0	45	**14W8V480**	**W2**	15-Arm	16 1/8	11 1/4	1 1/2	3 3/8	12 1/2	1 7/8	9 3/8	9/16	1140
52.8	53.0	49 3/4	**14W8V530**	**W2**	15-Arm	16 1/8	11 1/4	1 1/2	3 3/8	12 1/2	1 7/8	9 3/8	9/16	1234
57.8	58.0	54 3/4	**14W8V580**	**W2**	15-Arm	16 1/8	11 1/4	1 1/2	3 3/8	12 1/2	1 7/8	9 3/8	9/16	1450
63.8	64.0	60 3/4	**14W8V640**	**W2**	15-Arm	16 1/8	11 1/4	1 1/2	3 3/8	12 1/2	1 7/8	9 3/8	9/16	1550
16 GROOVES, F = 18 3/8"														
12.3"	12.5"	9 1/2"	**16U8V125**	**U2**	15-Web	18 3/8"	10 1/8"	7 1/4"	1"	8 3/8"	1 1/2"	8 5/8"	15/32"	270
13.0	13.2	10 1/4	**16U8V132**	**U2**	15-Web	18 3/8	10 1/8	7 1/4	1	8 3/8	1 1/2	8 5/8	15/32	280
13.8	14.0	11	**16U8V140**	**U2**	15-Web	18 3/8	10 1/8	7 1/4	1	8 3/8	1 1/2	8 5/8	15/32	323
14.8	15.0	12	**16U8V150**	**U2**	15-Web	18 3/8	10 1/8	7 1/4	1	8 3/8	1 1/2	8 5/8	15/32	430
15.8	16.0	13	**16U8V160**	**U2**	15-Web	18 3/8	10 1/8	7 1/4	1	8 3/8	1 1/2	8 5/8	15/32	445
16.8	17.0	14	**16U8V170**	**U2**	15-Web	18 3/8	10 1/8	7 1/4	1	8 3/8	1 1/2	8 5/8	15/32	447
17.8	18.0	15	**16U8V180**	**U2**	15-Web	18 3/8	10 1/8	7 1/4	1	8 3/8	1 1/2	8 5/8	15/32	480
18.8	19.0	16	**16U8V190**	**U2**	15-Web	18 3/8	10 1/8	7 1/4	1	8 3/8	1 1/2	8 5/8	15/32	494
19.8	20.0	17	**16U8V200**	**U2**	15-Web	18 3/8	10 1/8	7 1/4	1	8 3/8	1 1/2	8 5/8	15/32	520
21.0	21.2	18 1/4	**16U8V212**	**U2**	15-Web	18 3/8	10 1/8	7 1/4	1	8 3/8	1 1/2	8 5/8	15/32	538
22.2	22.4	19 3/8	**16U8V224**	**U2**	15-Arm	18 3/8	10 1/8	3 3/8	4 7/8	8 3/8	1 1/2	8 5/8	15/32	522
29.8	30.0	27	**16W8V300**	**W2**	15-Arm	18 3/8	11 1/4	2 5/8	4 1/2	12 1/2	1 7/8	9 3/8	9/16	990
39.8	40.0	37	**16W8V400**	**W2**	15-Arm	18 3/8	11 1/4	2 5/8	4 1/2	12 1/2	1 7/8	9 3/8	9/16	871
47.8	48.0	45	**16W8V480**	**W2**	15-Arm	18 3/8	11 1/4	2 5/8	4 1/2	12 1/2	1 7/8	9 3/8	9/16	1360
52.8	53.0	49 3/4	**16W8V530**	**W2**	15-Arm	18 3/8	11 1/4	2 5/8	4 1/2	12 1/2	1 7/8	9 3/8	9/16	1490
57.8	58.0	54 3/4	**16W8V580**	**W2**	15-Arm	18 3/8	11 1/4	2 5/8	4 1/2	12 1/2	1 7/8	9 3/8	9/16	1620
63.8	64.0	60 3/4	**16W8V640**	**W2**	15-Arm	18 3/8	11 1/4	2 5/8	4 1/2	12 1/2	1 7/8	9 3/8	9/16	1790



TYPE A



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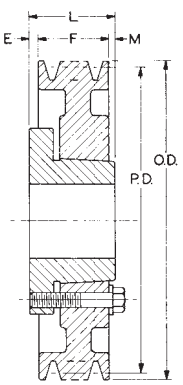

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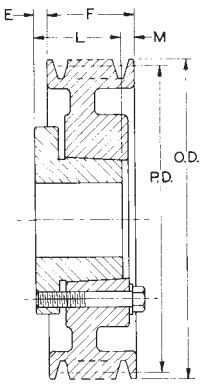

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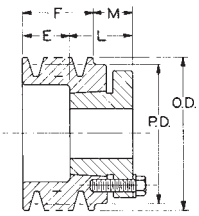


TYPE E

Standard Keyseats

Table No. 1

Bore Range	Keyseat
1" - 1 1/4"	1/4" x 1/8"
1 5/16 - 1 3/8	5/16 x 5/32
1 7/16 - 1 3/4	3/8 x 3/16
1 13/16 - 2 1/4	1/2 x 1/4
2 5/16 - 2 3/4	5/8 x 5/16
2 13/16 - 3 1/4	3/4 x 3/8
3 3/8 - 3 3/4	7/8 x 7/16
3 7/8 - 4 1/4	1 x 1/2
4 9/16 - 5 1/2	1 1/4 x 5/8
5 9/16 - 6 1/2	1 1/2 x 3/4
6 9/16 - 7	1 3/4 x 5/8

1 3/8" Bore Bushings also available with 3/8" x 3/16" Keyseat.

Table No. 2

Specifications

Part No.	Bushing	Bore Range	Type *	P.D. "8V" Belts	O.D.	E	L	M	Wt. Less Bushing
4 GROOVES, F = 4 7/8"									
48V1250F	F	1" - 4"	D-2	12.30"	12.50"	5/32"	3 3/4"	1 9/32"	75
48V1320F	F	1 - 4	D-2	13.00	13.20	5/32	3 3/4	1 9/32	81
48V1400F	F	1 - 4	D-3	13.80	14.00	5/32	3 3/4	1 9/32	87
48V1500F	F	1 - 4	D-3	14.80	15.00	5/32	3 3/4	1 9/32	91
48V1600F	F	1 - 4	D-3	15.80	16.00	5/32	3 3/4	1 9/32	96
48V1700F	F	1 - 4	D-3	16.80	17.00	5/32	3 3/4	1 9/32	104
48V1800F	F	1 - 4	D-3	17.80	18.00	5/32	3 3/4	1 9/32	114
48V1900F	F	1 - 4	D-3	18.80	19.00	5/32	3 3/4	1 9/32	121
48V2000J	J	1 1/2 - 4 1/2	D-3	19.80	20.00	0	4 5/8	1/4	136
48V2120J	J	1 1/2 - 4 1/2	D-3	21.00	21.20	0	4 5/8	1/4	145
48V2240J	J	1 1/2 - 4 1/2	D-3	22.20	22.40	0	4 5/8	1/4	154
48V2480M	M	2 - 5 1/2	C-3	24.60	24.80	25/32	6 3/4	1 3/32	176
48V3000M	M	2 - 5 1/2	C-3	29.80	30.00	25/32	6 3/4	1 3/32	224
48V3550M	M	2 - 5 1/2	C-3	35.30	35.50	25/32	6 3/4	1 3/32	267
48V4000M	M	2 - 5 1/2	C-3	39.80	40.00	25/32	6 3/4	1 3/32	310
48V4450M	M	2 - 5 1/2	C-3	44.30	44.50	25/32	6 3/4	1 3/32	363
48V5300M	M	2 - 5 1/2	C-3	52.80	53.00	25/32	6 3/4	1 3/32	437
5 GROOVES, F = 6"									
58V1250F	F	1 - 4	A-2	12.30	12.50	31/32	3 3/4	1 9/32	82
58V1320F	F	1 - 4	A-2	13.00	13.20	31/32	3 3/4	1 9/32	89
58V1400F	F	1 - 4	A-3	13.80	14.00	31/32	3 3/4	1 9/32	99
58V1500F	F	1 - 4	A-3	14.80	15.00	31/32	3 3/4	1 9/32	103
58V1600F	F	1 - 4	A-3	15.80	16.00	31/32	3 3/4	1 9/32	111
58V1700J	J	1 1/2 - 4 1/2	A-3	16.80	17.00	9/16	4 5/8	13/16	119
58V1800J	J	1 1/2 - 4 1/2	A-3	17.80	18.00	9/16	4 5/8	13/16	131
58V1900J	J	1 1/2 - 4 1/2	A-3	18.80	19.00	9/16	4 5/8	13/16	142
58V2000J	J	1 1/2 - 4 1/2	A-3	19.80	20.00	9/16	4 5/8	13/16	151
58V2120J	J	1 1/2 - 4 1/2	A-3	21.00	21.20	9/16	4 5/8	13/16	167
58V2240M	M	2 - 5 1/2	B-3	22.20	22.40	11/32	6 3/4	1 3/32	178
58V2480M	M	2 - 5 1/2	B-3	24.60	24.80	11/32	6 3/4	1 3/32	201
58V3000M	M	2 - 5 1/2	B-3	29.80	30.00	11/32	6 3/4	1 3/32	243
58V3550M	M	2 - 5 1/2	B-3	35.30	35.50	11/32	6 3/4	1 3/32	278
58V4000M	M	2 - 5 1/2	B-3	39.80	40.00	11/32	6 3/4	1 3/32	340
58V4450N	N	2 7/16 - 5 7/8	C-3	44.30	44.50	1 1/8	8 1/8	1	418
58V5300N	N	2 7/16 - 5 7/8	C-3	52.80	53.00	1 1/8	8 1/8	1	496

*** Suffix on Type indicates: 1 = Solid Construction, 2 = Web Construction, 3 = Arm Construction.**

Table No. 1

Specifications

Part No.	Bushing	Bore Range	Type *	P.D. "8V" Belts	O.D.	E	L	M	Wt. Less Bushing
6 GROOVES, F = 7 1/8"									
68V1250F	F	1 - 4	A-2	12.30	12.50	31/32	3 3/4	2 13/32	90
68V1320F	F	1 - 4	A-2	13.00	13.20	31/32	3 3/4	2 13/32	98
68V1400F	F	1 - 4	A-3	13.80	14.00	31/32	3 3/4	2 13/32	112
68V1500J	J	1 1/2 - 4 1/2	A-2	14.80	15.00	1 1/8	4 5/8	1 3/8	123
68V1600J	J	1 1/2 - 4 1/2	A-3	15.80	16.00	1 1/8	4 5/8	1 3/8	129
68V1700J	J	1 1/2" - 4 1/2"	A-3	16.80"	17.00"	1 1/8"	4 5/8"	1 3/8"	136
68V1800J	J	1 1/2 - 4 1/2	A-3	17.80	18.00	1 1/8	4 5/8	1 3/8	143
68V1900J	J	1 1/2 - 4 1/2	A-3	18.80	19.00	1 1/8	4 5/8	1 3/8	157
68V2000M	M	2 - 5 1/2	B-3	19.80	20.00	1 11/32	6 3/4	31/32	179
68V2120M	M	2 - 5 1/2	B-3	21.00	21.20	1 11/32	6 3/4	31/32	193
68V2240M	M	2 - 5 1/2	B-3	22.20	22.40	1 11/32	6 3/4	31/32	205
68V2480M	M	2 - 5 1/2	A-3	24.60	24.80	11/32	6 3/4	1/32	235
68V3000M	M	2 - 5 1/2	A-3	29.80	30.00	11/32	6 3/4	1/32	285
68V3550N	N	2 7/16 - 5 7/8	C-3	35.30	35.50	15/16	8 1/8	1/16	340
68V4000N	N	2 7/16 - 5 7/8	C-3	39.80	40.00	15/16	8 1/8	1/16	394
68V4450N	N	2 7/16 - 5 7/8	C-3	44.30	44.50	15/16	8 1/8	1/16	489
68V5300N	N	2 7/16 - 5 7/8	C-3	52.80	53.00	15/16	8 1/8	1/16	584
8 GROOVES, F = 9 3/8"									
88V1250J	J	1 1/2 - 4 1/2	A-1	12.30	12.50	2 1/8	4 5/8	2 5/8	131
88V1320J	J	1 1/2 - 4 1/2	A-1	13.00	13.20	2 1/8	4 5/8	2 5/8	160
88V1400J	J	1 1/2 - 4 1/2	A-2	13.80	14.00	2 1/8	4 5/8	2 5/8	175
88V1500J	J	1 1/2 - 4 1/2	A-2	14.80	15.00	2 1/8	4 5/8	2 5/8	186
88V1600J	J	1 1/2 - 4 1/2	A-2	15.80	16.00	2 1/8	4 5/8	2 5/8	210
88V1700M	M	2 - 5 1/2	A-2	16.80	17.00	2 11/32	6 3/4	9/32	221
88V1800M	M	2 - 5 1/2	A-2	17.80	18.00	2 11/32	6 3/4	9/32	235
88V1900M	M	2 - 5 1/2	A-3	18.80	19.00	2 11/32	6 3/4	9/32	250
88V2000M	M	2 - 5 1/2	A-3	19.80	20.00	2 11/32	6 3/4	9/32	265
88V2120M	M	2 - 5 1/2	A-3	21.00	21.20	2 11/32	6 3/4	9/32	280
88V2240M	M	2 - 5 1/2	A-3	22.20	22.40	2 11/32	6 3/4	9/32	295
88V2480N	N	2 7/16 - 5 7/8	A-2	24.60	24.80	3/16	8 1/8	1 1/16	320
88V3000N	N	2 7/16 - 5 7/8	A-3	29.80	30.00	3/16	8 1/8	1 1/16	375
88V3550N	N	2 7/16 - 5 7/8	A-3	35.30	35.50	3/16	8 1/8	1 1/16	442
88V4000N	N	2 7/16 - 5 7/8	A-3	39.80	40.00	3/16	8 1/8	1 1/16	530
88V4450P	P	2 15/16 - 7	B-3	44.30	44.50	1/4	9 3/8	1/4	610
88V5300P	P	2 15/16 - 7	B-3	52.80	53.00	1/4	9 3/8	1/4	795
88V6300P	P	2 15/16 - 7	B-3	62.80	63.00	1/4	9 3/8	1/4	995
10 GROOVES, F = 11 5/8"									
108V1250J	J	1 1/2 - 4 1/2	A-1	12.30	12.50	2 1/8	4 5/8	4 7/8	155
108V1320J	J	1 1/2 - 4 1/2	A-1	13.00	13.20	2 1/8	4 5/8	4 7/8	190
108V1400J	J	1 1/2 - 4 1/2	A-1	13.80	14.00	2 1/8	4 5/8	4 7/8	210
108V1500M	M	2 - 5 1/2	A-1	14.80	15.00	2 11/32	6 3/4	2 17/32	266
108V1600M	M	2 - 5 1/2	A-2	15.80	16.00	2 11/32	6 3/4	2 17/32	256
108V1700M	M	2 - 5 1/2	A-1	16.80	17.00	2 11/32	6 3/4	2 17/32	281
108V1800M	M	2 - 5 1/2	A-2	17.80	18.00	2 11/32	6 3/4	2 17/32	290
108V1900M	M	2 - 5 1/2	A-2	18.80	19.00	2 11/32	6 3/4	2 17/32	301
108V2000M	M	2 - 5 1/2	A-2	19.80	20.00	2 11/32	6 3/4	2 17/32	325
108V2120M	M	2 - 5 1/2	A-2	21.00	21.20	2 11/32	6 3/4	2 17/32	340
108V2240N	N	2 7/16 - 5 7/8	A-2	22.20	22.40	3/16	8 1/8	3 5/16	365
108V2480N	N	2 7/16 - 5 7/8	A-2	24.60	24.80	3/16	8 1/8	3 5/16	390
108V3000N	N	2 7/16 - 5 7/8	A-3	29.80	30.00	3/16	8 1/8	3 5/16	435
108V3550P	P	2 5/16 - 7	A-2	35.30	35.50	1/4	9 3/8	2	507
108V4000P	P	2 5/16 - 7	A-3	39.80	40.00	1/4	9 3/8	2	615
108V4450P	P	2 5/16 - 7	A-2	44.30	44.50	1/4	9 3/8	2	710
108V5300P	P	2 5/16 - 7	A-3	52.80	53.00	1/4	9 3/8	2	945
12 GROOVES, F = 13 7/8"									
128V1250M	M	2 - 5 1/2	A-1	12.30	12.50	2 11/32	6 3/4	4 25/32	195
128V1320M	M	2 - 5 1/2	A-1	13.00	13.20	2 11/32	6 3/4	4 25/32	230
128V1400M	M	2 - 5 1/2	A-1	13.80	14.00	2 11/32	6 3/4	4 25/32	250
128V1500M	M	2 - 5 1/2	A-1	14.80	15.00	2 11/32	6 3/4	4 25/32	268
128V1600M	M	2 - 5 1/2	A-1	15.80	16.00	2 11/32	6 3/4	4 25/32	296
128V1700M	M	2 - 5 1/2	A-1	16.80	17.00	2 11/32	6 3/4	4 25/32	341
128V1800M	M	2 - 5 1/2	A-1	17.80	18.00	2 11/32	6 3/4	4 25/32	345
128V1900N	N	2 7/16 - 5 7/8	A-1	18.80	19.00	3/16	8 1/8	5 9/16	352
128V2000N	N	2 7/16 - 5 7/8	A-1	19.80	20.00	3/16	8 1/8	5 9/16	385
128V2120N	N	2 7/16 - 5 7/8	A-1	21.00	21.20	3/16	8 1/8	5 9/16	400
128V2240N	N	2 7/16 - 5 7/8	A-1	22.20	22.40	3/16	8 1/8	5 9/16	435
128V2480N	N	2 7/16 - 5 7/8	A-1	24.60	24.80	3/16	8 1/8	5 9/16	460
128V3000P	P	2 15/16 - 7	A-2	29.80	30.00	1/4	9 3/8	4 1/4	495
128V3550P	P	2 15/16 - 7	A-2	35.30	35.50	1/4	9 3/8	4 1/4	572
128V4000P	P	2 15/16 - 7	A-2	39.80	40.00	1/4	9 3/8	4 1/4	700
128V4450P	P	2 15/16 - 7	A-2	44.30	44.50	1/4	9 3/8	4 1/4	825

*** Suffix on Type indicates: 1 = Solid Construction; 2 = Web Construction, 3 = Arm Construction**

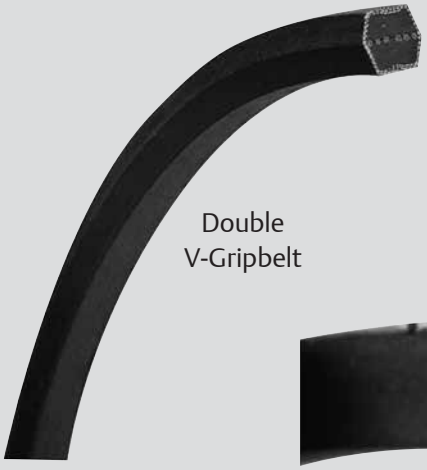
BROWNING...OFFERS THE LARGEST SELECTION OF V-BELTS IN THE UNIVERSE!

Browning is universally known for V-belt drives. In fact, nowhere else can you find such a complete range of V-belting — and the sheaves to run them — all in stock. Choose the type that's best for your application — classical, "358", Gearbelt®, Poly-V*, Gripnotch®, FHP.

And there's no problem with matched belt sizes either. Browning now offers the ***CODE 1®*** ***one match*** *belt system on all classical and "358" belts, allowing easy selection with just one match number for each belt size. The* ***CODE 1*** *symbol on any Browning belt indicates matching tolerances tighter than RMA (Rubber Manufacturers Association) standards. Machine matching of belts is also available for critical match requirements.*

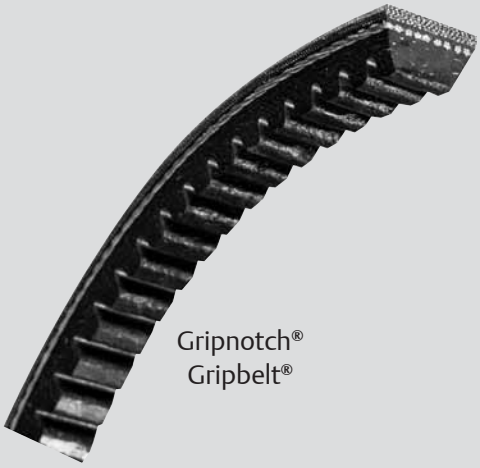
Wherever you are in the universe — make Browning your first choice in V-belts, There's a Browning Distributor near you to give you prompt service and delivery.

"358" Gripbelt



Double
V-Gripbelt

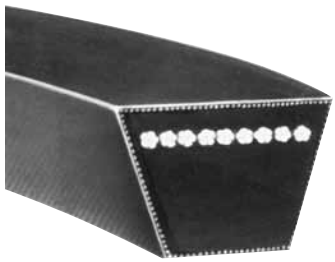
Super Gripbelt



Gripnotch®
Gripbelt®

Gripband
Gripbelt

* Poly-V is believed to be the trademark and/or trade name of Veyance Technologies, Inc., and is not owned or controlled by Emerson Power Transmission.



"A" Belts 1/2" x 5/16"

"B" Belts 21/32" x 7/16"

"C" Belts 7/8" x 17/32"

"D" Belts 1 1/4" x 3/4"

Super Gripbelt® V-belts are static conducting

Table No. 1

Stock Sizes

Belt No.	Length Outside	Length Pitch	Wt. Lbs.	Belt No.	Length Outside	Length Pitch	Wt. Lbs.	Belt No.	Length Outside	Length Pitch	Wt. Lbs.	Belt No.	Length Outside	Length Pitch	Wt. Lbs.
A21	23.2	22.3	.2	A90	92.2	91.3	.6	B74	77	75.8	0.8	C75	79.2	77.9	1.4
A22	24.2	23.3	.2	A91	93.2	92.3	.6	B75	78	76.8	0.8	C78	82.2	80.9	1.5
A23	25.2	24.3	.2	A92	94.2	93.3	.6	B76	79	77.8	0.8	C81	85.2	83.9	1.6
A24	26.2	25.3	.2	A93	95.2	94.3	.6	B77	80	78.8	0.8	C85	89.2	87.9	1.6
A25	27.2	26.3	.2	A94	96.2	95.3	.6	B78	81	79.8	0.8	C90	94.2	92.9	1.7
A26	28.2	27.3	.2	A95	97.2	96.3	.6	B79	82	80.8	0.8	C96	100.2	98.9	1.8
A27	29.2	28.3	.2	A96	98.2	97.3	.7	B80	83	81.8	0.9	C97	101.2	99.9	1.8
A28	30.2	29.3	.2	A97	99.2	98.3	.7	B81	84	82.8	0.9	C99	103.2	101.9	1.9
A29	31.2	30.3	.2	A98	100.2	99.3	.7	B82	85	83.8	0.9	C100	104.2	102.9	1.9
A30	32.2	31.3	.2	A100	102.2	101.3	.7	B83	86	84.8	0.9	C101	105.2	103.9	1.9
A31	33.2	32.3	.2	A103	105.2	104.3	.7	B84	87	85.8	0.9	C105	109.2	107.2	2.0
A32	34.2	33.3	.2	A105	107.2	106.3	.7	B85	88	86.8	0.9	C108	112.2	110.9	2.0
A33	35.2	34.3	.2	A110	112.2	111.3	.8	B86	89	87.8	1.0	C109	113.2	111.9	2.0
A34	36.2	35.3	.2	A112	114.2	113.3	.8	B87	90	88.8	1.0	C111	115.2	113.9	2.1
A35	37.2	36.3	.2	A120	122.2	121.3	.8	B88	91	89.8	1.0	C112	116.2	114.9	2.1
A36	38.2	37.3	.3	A128	130.2	129.3	.9	B89	92	90.8	1.0	C115	119.2	117.9	2.1
A37	39.2	38.3	.3	A136	138.2	137.3	.9	B90	93	91.8	1.0	C120	124.2	122.9	2.3
A38	40.2	39.3	.3	A144	146.2	145.3	1.0	B91	94	92.8	1.0	C124	128.2	126.9	2.4
A39	41.2	40.3	.3	A158	160.2	159.3	1.1	B92	95	93.8	1.0	C128	132.2	130.9	2.4
A40	42.2	41.3	.3	A173	175.2	174.3	1.2	B93	96	94.8	1.0	C136	140.2	138.9	2.6
A41	43.2	42.3	.3	A180	182.2	181.3	1.2	B94	97	95.8	1.0	C144	148.2	146.9	2.8
A42	44.2	43.3	.3	B25	28	26.8	.3	B95	98	96.8	1.0	C148	152.2	150.9	2.8
A43	45.2	44.3	.3	B26	29	27.8	.3	B96	99	97.8	1.1	C150	154.2	152.9	2.9
A44	46.2	45.3	.3	B28	31	29.8	.3	B97	100	98.8	1.1	C158	162.2	160.9	3.0
A45	47.2	46.3	.3	B29	32	30.8	.3	B98	101	99.8	1.1	C162	166.2	164.9	3.1
A46	48.2	47.3	.3	B30	33	31.8	.3	B99	102	100.8	1.1	C173	177.2	175.9	3.3
A47	49.2	48.3	.3	B31	34	32.8	.3	B100	103	101.8	1.1	C180	184.2	182.9	3.4
A48	50.2	49.3	.3	B32	35	33.8	.3	B101	104	102.8	1.1	C195	199.2	197.9	3.7
A49	51.2	50.3	.4	B33	36	34.8	.4	B103	106	104.8	1.1	C210	214.2	212.9	4.0
A50	52.2	51.3	.4	B34	37	35.8	.4	B105	108	106.8	1.1	C225	227.2	225.9	4.3
A51	53.2	52.3	.4	B35	38	36.8	.4	B106	109	107.8	1.1	C240	242.2	240.9	4.6
A52	54.2	53.3	.4	B36	39	37.8	.4	B108	111	109.8	1.2	C255	257.2	255.9	4.9
A53	55.2	54.3	.4	B37	40	38.8	.4	B111	114	112.8	1.2	C270	272.2	270.9	5.2
A54	56.2	55.3	.4	B38	41	39.8	.4	B112	115	113.8	1.2	C285	287.2	285.9	5.4
A55	57.2	56.3	.4	B39	42	40.8	.4	B116	119	117.8	1.3	C300	302.2	300.9	5.7
A56	58.2	57.3	.4	B40	43	41.8	.5	B120	123	121.8	1.3	C315	317.2	315.9	6.0
A57	59.2	58.3	.4	B41	44	42.8	.5	B123	126	124.8	1.3	C330	332.2	330.9	6.3
A58	60.2	59.3	.4	B42	45	43.8	.5	B124	127	125.8	1.3	C345	347.2	345.9	6.6
A59	61.2	60.3	.4	B43	46	44.8	.5	B126	129	127.8	1.4	C360	362.2	360.9	6.9
A60	62.2	61.3	.4	B44	47	45.8	.5	B128	131	129.8	1.4	C390	392.2	390.9	7.5
A61	63.2	62.3	.4	B45	48	46.8	.5	B133	136	134.8	1.5	C420	422.2	420.9	8.0
A62	64.2	63.3	.4	B46	49	47.8	.5	B136	139	137.8	1.5	D120	125.2	123.3	4.0
A63	65.2	64.3	.4	B47	50	48.8	.5	B140	143	141.8	1.6	D128	133.2	131.3	4.4
A64	66.2	65.3	.4	B48	51	49.8	.5	B144	147	145.8	1.6	D144	149.2	147.3	5.0
A65	67.2	66.3	.5	B49	52	50.8	.6	B148	151	149.8	1.6	D158	163.2	161.3	5.3
A66	68.2	67.3	.5	B50	53	51.8	.6	B150	153	151.8	1.6	D162	167.2	165.3	5.5
A67	69.2	68.3	.5	B51	54	52.8	.6	B154	157	155.8	1.7	D173	178.2	176.3	5.8
A68	70.2	69.3	.5	B52	55	53.8	.6	B158	161	159.8	1.7	D180	185.2	183.3	6.0
A69	71.2	70.3	.5	B53	56	54.8	.6	B162	165	163.8	1.7	D195	200.2	198.3	6.3
A70	72.2	71.3	.5	B54	57	55.8	.6	B173	176	174.8	1.9	D210	215.2	213.3	6.8
A71	73.2	72.3	.5	B55	58	56.8	.6	B180	183	181.8	1.9	D225	227.7	225.8	7.1
A72	74.2	73.3	.5	B56	59	57.8	.6	B190	193	191.8	2.0	D240	242.7	240.8	7.7
A73	75.2	74.3	.5	B57	60	58.8	.7	B191	194	192.2	2.0	D255	257.7	255.8	8.1
A74	76.2	75.3	.5	B58	61	59.8	.7	B195	198	196.8	2.0	D270	272.7	270.8	8.9
A75	77.2	76.3	.5	B59	62	60.8	.7	B205	208	206.9	2.2	D285	287.7	285.8	9.8
A76	78.2	77.3	.5	B60	63	61.8	.7	B210	213	211.8	2.3	D300	302.7	300.8	10.5
A77	79.2	78.3	.5	B61	64	62.8	.7	B225	226.5	225.3	2.5	D315	317.7	315.8	10.8
A78	80.2	79.3	.5	B62	65	63.8	.7	B240	241.5	240.3	2.6	D330	332.7	330.8	11.4
A79	81.2	80.3	.5	B63	66	64.8	.7	B255	256.5	255.3	2.8	D345	347.7	345.8	11.7
A80	82.2	81.3	.5	B64	67	65.8	.7	B270	271.5	270.3	2.9	D360	362.7	360.8	12.2
A81	83.2	82.3	.5	B65	68	66.8	.7	B285	286.5	285.3	3.1	D390	392.7	390.8	13.4
A82	84.2	83.3	.6	B66	69	67.8	.7	B300	301.5	300.3	3.2	D420	422.7	420.8	14.7
A83	85.2	84.3	.6	B67	70	68.8	.7	B315	316.5	315.3	3.4	D450	452.7	450.8	16.3
A84	86.2	85.3	.6	B68	71	69.8	.7	B360	361.5	360.3	4.0	D480	482.7	480.8	16.8
A85	87.2	86.3	.6	B69	72	70.8	.8	C51	55.2	53.9	1.0	D540	542.7	540.8	19.9
A86	88.2	87.3	.6	B70	73	71.8	.8	C55	59.2	57.9	1.1	D600	602.7	600.8	21.6
A87	89.2	88.3	.6	B71	74	72.8	.8	C60	64.2	62.9	1.2	D660	662.7	660.8	28.8
A88	90.2	89.3	.6	B72	75	73.8	.8	C68	72.2	70.9	1.3				
A89	91.2	90.3	.6	B73	76	74.8	.8	C72	76.2	74.9	1.4				

- **Precision Molded Raw Edge Construction**
- **More Horsepower in Less Space**
- **Notches are Molded Extra Deep**
- **Oil and Heat Resistant**

Table No. 1

Browning® Gripnotch® Belts

Belt No.	Length Outside	Length Pitch	Wt. Lbs.	Belt No.	Length Outside	Length Pitch	Wt. Lbs.	Belt No.	Length Outside	Length Pitch	Wt. Lbs.	Belt No.	Length Outside	Length Pitch	Wt. Lbs.
AX20	22.2"	21.3"	0.2	AX82	84.2"	83.3"	0.5	BX62	65.0"	63.8"	0.7	BX191	194.0"	192.8"	2.2
AX21	23.2	22.3	0.2	AX83	85.2	84.3	0.5	BX63	66.0	64.8	0.7	BX195	198.0	196.8	2.3
AX22	24.2	23.3	0.2	AX84	86.2	85.3	0.5	BX64	67.0	65.8	07	BX210	213.0	211.8	2.5
AX23	25.2	24.3	0.2	AX85	87.2	86.3	0.6	BX65	68.0	66.8	0.8	BX225	228.0	226.8	2.7
AX24	26.2	25.3	0.2	AX86	88.2	87.3	0.6	BX66	69.0	67.8	0.8	BX240	241.5	240.3	2.8
AX25	27.2	26.3	0.2	AX87	89.2	88.3	0.6	BX67	70.0	68.8	0.8	BX255	256.5	255.3	3.0
AX26	28.2	27.3	0.2	AX88	90.2	89.3	0.6	BX68	71.0	69.8	0.8	BX270	271.5	270.3	3.2
AX27	29.2	28.3	0.2	AX89	91.2	90.3	0.6	BX70	73.0	71.8	0.8	BX300	301.5	300.3	3.6
AX28	30.2	29.3	0.2	AX90	92.2	91.3	0.6	BX71	74.0	72.8	0.8	CX51	55.2	53.9"	1.0
AX29	31.2	30.3	0.2	AX91	93.2	92.3	0.6	BX72	75.0	73.8	0.8	CX55	59.2	57.9	1.1
AX30	32.2	31.3	0.2	AX92	94.2	93.3	0.6	BX73	76.0	74.8	0.8	CX60	64.2	62.9	1.2
AX31	33.2	32.3	0.2	AX93	95.2	94.3	0.6	BX74	77.0	75.8	0.8	CX68	72.2	70.9	1.4
AX32	34.2	33.3	0.2	AX94	96.2	95.3	0.6	BX75	78.0	76.8	0.9	CX72	76.2	74.9	1.4
AX33	35.2	34.3	0.2	AX95	97.2	96.3	0.6	BX76	79.0	77.8	0.9	CX75	79.2	77.9	1.5
AX34	36.2	35.3	0.2	AX96	98.2	97.3	0.7	BX77	80.0	78.8	0.9	CX78	82.2	80.9	1.6
AX35	37.2	36.3	0.2	AX97	99.2	98.3	0.7	BX78	81.0	79.8	0.9	CX81	85.2	83.9	1.6
AX36	38.2	37.3	0.3	AX98	100.2	99.3	0.7	BX79	82.0	80.8	0.9	CX85	89.2	87.9	1.7
AX37	39.2	38.3	0.3	AX100	101.2	100.3	0.7	BX80	83.0	81.8	0.9	CX90	94.2	92.9	1.8
AX38	40.2	39.3	0.3	AX105	107.2	106.3	0.7	BX81	84.0	82.8	0.9	CX96	100.2	98.9	1.9
AX39	41.2	40.3	0.3	AX110	112.2	111.3	0.8	BX82	85.0	83.8	0.9	CX100	104.2	102.2	2.0
AX40	42.2	41.3	0.3	AX112	114.2	113.3	0.8	BX83	86.0	84.8	1.0	CX101	105.2	103.9	2.0
AX41	43.2	42.3	0.3	AX120	122.2	121.3	0.8	BX84	87.0	85.8	1.0	CX105	109.2	107.9	2.0
AX42	44.2	43.3	0.3	AX128	130.2	129.3	0.9	BX85	88.0	86.8	1.0	CX109	113.2	111.9	2.1
AX43	45.2	44.3	0.3	AX136	138.2	137.3	0.9	BX86	89.0	87.8	1.0	CX111	115.2	113.9	2.2
AX44	46.2	45.3	0.3	AX144	146.2	145.3	1.0	BX87	90.0	88.8	1.0	CX112	116.2	114.9	2.2
AX45	47.2	46.3	0.3	AX158	160.2	159.3	1.0	BX88	91.0	89.8	1.0	CX115	119.2	117.9	2.3
AX46	48.2	47.3	0.3	AX173	175.2	174.3	1.1	BX89	92.0	90.8	1.0	CX120	124.2	122.9	2.4
AX47	49.2	48.3	0.3	AX180	182.2	181.3	1.2	BX90	93.0	91.8	1.1	CX128	132.2	130.9	2.6
AX48	50.2	49.3	0.3	BX28	31.0	29.8	0.4	BX91	94.0	92.8	1.1	CX136	140.2	138.9	2.7
AX49	51.2	50.3	0.4	BX29	32.0	30.8	0.4	BX92	95.0	93.8	1.1	CX144	148.2	146.9	2.9
AX50	52.2	51.3	0.4	BX30	33.0	31.8	0.4	BX93	96.0	94.8	1.1	CX148	152.2	150.9	3.0
AX51	53.2	52.3	0.4	BX31	34.0	32.8	0.4	BX94	97.0	95.8	1.1	CX150	154.2	152.9	3.0
AX52	54.2	53.3	0.4	BX32	35.0	33.8	0.4	BX95	98.0	96.8	1.1	CX158	162.2	160.9	3.0
AX53	55.2	54.3	0.4	BX33	36.0	34.8	0.4	BX96	99.0	97.8	1.1	CX162	166.2	164.9	3.1
AX54	56.2	55.3	0.4	BX34	37.0	35.8	0.4	BX97	100.0	98.8	1.1	CX173	177.2	175.9	3.1
AX55	57.2	56.3	0.4	BX35	38.0	36.8	0.4	BX98	101.0	99.8	1.1	CX180	184.2	182.9	3.2
AX56	58.2	57.3	0.4	BX36	39.0	37.8	0.4	BX99	102.0	100.8	1.2	CX195	199.2	197.9	3.5
AX57	59.2	58.3	0.4	BX37	40.0	38.8	0.4	BX100	103.0	101.8	1.2	CX210	214.2	212.9	4.0
AX58	60.2	59.3	0.4	BX38	41.0	39.8	0.4	BX103	106.0	104.8	1.2	CX225	229.2	227.9	4.2
AX59	61.2	60.3	0.4	BX39	42.0	40.8	0.5	BX105	108.0	106.8	1.2	CX238	242.2	240.9	4.3
AX60	62.2	61.3	0.4	BX40	43.0	41.8	0.5	BX106	109.0	107.8	1.2	CX255	259.2	257.9	4.6
AX61	63.2	62.3	0.4	BX41	44.0	42.8	0.5	BX108	111.0	109.8	1.3	CX268	272.2	270.9	5.0
AX62	64.2	63.3	0.4	BX42	45.0	43.8	0.5	BX112	115.0	113.8	1.3	CX300	304.2	302.9	5.4
AX63	65.2	64.3	0.4	BX43	46.0	44.8	0.5	BX113	116.0	114.8	1.3	CX330	334.2	332.9	5.9
AX64	66.2	65.3	0.4	BX44	47.0	45.8	0.5	BX115	118.0	116.8	1.4	CX360	364.2	362.9	6.3
AX65	67.2	66.3	0.4	BX45	48.0	46.8	0.5	BX116	119.0	117.8	1.4	DX120	125.2	123.3	4.3
AX66	68.2	67.3	0.5	BX46	49.0	47.8	0.5	BX120	123.0	121.8	1.4	DX128	133.2	131.3	4.4
AX67	69.2	68.3	0.5	BX47	50.0	48.8	0.5	BX123	126.0	124.8	1.4	DX144	149.2	147.3	5.0
AX68	70.2	69.3	0.5	BX48	51.0	49.8	0.6	BX124	127.0	125.8	1.4	DX158	163.2	161.3	5.4
AX69	71.2	70.3	0.5	BX49	52.0	50.8	0.6	BX126	129.0	127.8	1.4	DX162	167.2	165.3	5.6
AX70	72.2	71.3	0.5	BX50	53.0	51.8	0.6	BX128	131.0	129.8	1.5	DX173	178.2	176.3	5.9
AX71	73.2	72.3	0.5	BX51	54.0	52.8	0.6	BX133	136.0	134.8	1.5	DX180	185.2	183.2	6.2
AX72	74.2	73.3	0.5	BX52	55.0	53.8	0.6	BX136	139.0	137.8	1.6	DX195	200.2	198.3	6.4
AX73	75.2	74.3	0.5	BX53	56.0	54.8	0.6	BX140	143.0	141.8	1.6	DX210	215.2	213.8	7.3
AX74	76.2	75.3	0.5	BX54	57.0	55.8	0.6	BX144	147.0	145.8	1.7	DX225	227.7	225.8	7.6
AX75	77.2	76.3	0.5	BX55	58.0	56.8	0.6	BX148	151.0	149.8	1.7	DX240	242.7	240.8	8.4
AX76	78.2	77.3	0.5	BX56	59.0	57.8	0.6	BX150	153.0	151.8	1.8	DX255	257.7	225.8	8.6
AX77	79.2	78.3	0.5	BX57	60.0	58.8	0.6	BX154	157.0	155.8	1.8	DX270	272.7	270.8	9.5
AX78	80.2	79.3	0.5	BX58	61.0	59.8	0.6	BX158	161.0	159.8	1.8	DX300	302.7	300.8	10.0
AX79	81.2	80.3	0.5	BX59	62.0	60.8	0.7	BX162	165.0	163.8	1.9	DX330	332.7	330.8	11.5
AX80	82.2	81.3	0.5	BX60	63.0	61.8	0.7	BX173	176.0	174.8	2.0	DX360	362.7	360.8	12.3
AX81	83.2	82.3	0.5	BX61	64.0	62.8	0.7	BX180	183.0	181.8	2.1				

Multiple V- Belts in Unit Construction

- **Oil and Heat Resistant**
- **Ideal for Pulsating Loads and Long Centers**

Table No. 1 — **Stock Sizes**

Part No.	Pitch Length	Wt Lbs.	Part No.	Pitch Length	Wt Lbs.	Part No.	Pitch Length	Wt Lbs.	Part No.	Pitch Length	Wt Lbs.	Part No.	Pitch Length	Wt Lbs.
3GBBX51	52.8"	1.8	**3GBBX77**	78.8	3.5	**2GBBX108**	109.8	3.3	**2GBB210**	211.8	6.2	**2GBC158**	160.9	8.2
						3GBBX108	109.8	5.0	**3GBB210**	211.8	9.3	**3GBC158**	160.9	12.3
3GBBX53	54.8	1.8	**2GBBX78**	79.8	2.4	**4GBBX108**	109.8	6.6	**4GBB210**	211.8	12.4	**4GBC158**	160.9	16.4
2GBBX55	56.8	1.8	**3GBBX78**	79.8	3.6							**2GBC162**	164.9	8.4
			4GBBX78	79.8	4.8	**2GBBX112**	113.8	3.4	**2GBB240**	240.3	7.0	**3GBC162**	164.9	12.6
2GBBX56	57.8	1.8				**3GBBX112**	113.8	5.1	**3GBB240**	240.3	10.5	**4GBC162**	164.9	16.8
3GBBX56	57.8	2.7	**3GBBX79**	80.8	3.6	**4GBBX112**	113.8	6.8	**4GBB240**	240.3	14.0			
4GBBX56	57.8	3.6	**2GBBX80**	81.8	2.4							**2GBC173**	175.9	9.0
						3GBBX133	134.8	8.1	**2GBCX75**	77.9	4.0	**3GBC173**	175.9	13.5
2GBBX60	61.8	1.8	**3GBBX80**	81.8	3.6				**3GBCX75**	77.9	6.0	**4GBC173**	175.9	18.0
3GBBX60	61.8	2.7	**4GBBX80**	81.8	4.8				**4GBCX75**	77.9	8.0			
4GBBX60	61.8	3.6	**2GBBX81**	82.8	2.5	**2GBB120**	121.8	3.6				**2GBC180**	182.9	9.4
						3GBB120	121.8	5.4	**2GBCX81**	83.9	4.2	**3GBC180**	182.9	14.1
2GBBX62	63.8	1.8	**3GBBX81**	82.8	3.8	**4GBB120**	121.8	7.2	**3GBCX81**	83.9	6.3	**4GBC180**	182.9	18.8
3GBBX62	63.8	2.7	**4GBBX81**	82.8	5.0				**4GBCX81**	83.9	8.4			
4GBBX62	63.8	3.6	**3GBBX82**	83.8	3.8	**2GBB124**	125.8	3.8				**2GBC195**	197.9	10.2
						3GBB124	125.8	5.7	**2GBCX85**	87.9	4.4	**3GBC195**	197.9	15.3
2GBBX63	64.8	2.0	**2GBBX83**	84.8	2.6	**4GBB124**	125.8	7.6	**3GBCX85**	87.9	6.6	**4GBC195**	197.9	20.4
3GBBX63	64.8	3.0	**3GBBX83**	84.8	3.9				**4GBCX85**	87.9	8.8			
4GBBX63	64.8	4.0	**4GBBX83**	84.8	5.2	**2GBB128**	129.8	3.9				**2GBC210**	212.9	11.0
						3GBB128	129.8	5.9	**2GBCX90**	92.9	4.8	**3GBC210**	212.9	16.5
2GBBX64	65.8	2.0	**2GBBX85**	86.8	2.7	**4GBB128**	129.8	7.8	**3GBCX90**	92.9	7.2	**4GBC210**	212.9	22.0
3GBBX64	65.8	3.0	**3GBBX85**	86.8	4.1				**4GBCX90**	92.9	9.6			
4GBBX64	65.8	4.0	**4GBBX85**	86.8	5.4	**2GBB136**	137.8	4.0				**2GBC225**	225.9	11.8
						3GBB136	137.8	6.0	**2GBCX96**	98.9	5.0	**3GBC225**	225.9	17.7
2GBBX65	66.8	2.0	**2GBBX90**	91.8	2.8	**4GBB136**	137.8	8.0	**3GBCX96**	98.9	7.5	**4GBC225**	225.9	23.6
3GBBX65	66.8	3.0	**3GBBX90**	91.8	4.2				**4GBCX96**	98.9	10.0			
4GBBX65	66.8	4.0	**4GBBX90**	91.8	5.6	**2GBB144**	145.8	4.4				**2GBC240**	240.9	12.6
						3GBB144	145.8	6.6	**2GBCX100**	102.9	5.2	**3GBC240**	240.9	18.9
2GBBX66	67.8	2.0	**2GBBX93**	94.8	2.8	**4GBB144**	145.8	8.8	**3GBCX100**	102.9	7.8	**4GBC240**	240.9	25.2
3GBBX66	67.8	3.0	**3GBBX93**	94.8	4.2				**4GBCX100**	102.9	10.4			
4GBBX66	67.8	4.0	**4GBBX93**	94.8	5.6	**2GBB158**	159.8	4.8				**2GBC255**	255.9	11.8
						3GBB158	159.8	7.2	**2GBCX105**	107.9	5.6	**3GBC255**	255.9	17.7
2GBBX67	68.8	2.0	**2GBBX95**	96.8	2.9	**4GBB158**	159.8	9.6	**3GBCX105**	107.9	8.4	**4GBC255**	255.9	23.6
			3GBBX95	96.8	4.4				**4GBCX105**	107.9	11.2			
2GBBX68	69.8	2.1	**4GBBX95**	96.8	5.8	**2GBB162**	163.8	5.0				**2GBC270**	270.9	14.0
3GBBX68	69.8	3.1				**3GBB162**	163.8	7.5	**2GBCX112**	114.9	5.8	**3GBC270**	270.9	21.0
4GBBX68	69.8	4.2	**2GBBX97**	98.8	3.0	**4GBB162**	163.8	10.0	**3GBCX112**	114.9	8.4	**4GBC270**	270.9	28.0
			3GBBX97	98.8	4.5				**4GBCX112**	114.9	11.6			
3GBBX69	70.8	3.1	**4GBBX97**	98.8	6.0	**2GBB173**	174.8	5.2				**2GBC300**	300.9	15.6
						3GBB173	174.8	7.8	**2GBC120**	122.9	6.2	**3GBC300**	300.9	23.4
2GBBX70	71.8	2.2	**2GBBX100**	101.8	3.0	**4GBB173**	174.8	10.4	**3GBC120**	122.9	9.3	**4GBC300**	300.9	31.2
3GBBX70	71.8	3.3	**3GBBX100**	101.8	4.5				**4GBC120**	122.9	12.4			
4GBBX70	71.8	4.4	**4GBBX100**	101.8	6.0	**2GBB180**	181.8	5.4						
						3GBB180	181.8	8.1	**2GBC128**	130.9	6.8			
2GBBX71	72.8	2.2	**2GBBX103**	104.8	3.1	**4GBB180**	181.8	10.8	**3GBC128**	130.9	9.6			
3GBBX71	72.8	3.3	**3GBBX103**	104.8	4.7				**4GBC128**	130.9	12.8			
4GBBX71	72.8	4.4	**4GBBX103**	104.8	6.2	**2GBB195**	196.8	5.8						
						3GBB195	196.8	8.7	**2GBC144**	146.9	7.6			
2GBBX75	76.8	2.3	**2GBBX105**	106.8	3.2	**4GBB195**	196.8	11.6	**3GBC144**	146.9	11.4			
3GBBX75	76.8	3.5	**3GBBX105**	106.8	4.8				**4GBC144**	146.9	15.2			
4GBBX75	76.8	4.6	**4GBBX105**	106.8	6.4									

Gripbands with more ribs are available on Special Order or combinations of Stock Gripbands may be ordered in matched sets for drives with more grooves; for example, two matched three rib Gripbands may be used on a six groove drive.

Horsepower Ratings fo "X" Gripbands are the same as appropriate number of Gripnotch Belts; others same as Super Gripbelts.

Part No. **2GBBX56** means - 2 = Two Ribs
GB = Gripband
B = Cross Section
X = Notched Construction
56 = Length Designation

For Multiple Shaft Drives with Shaft Operating in the Same or Opposite Directions

Single and Multiple Ply Construction

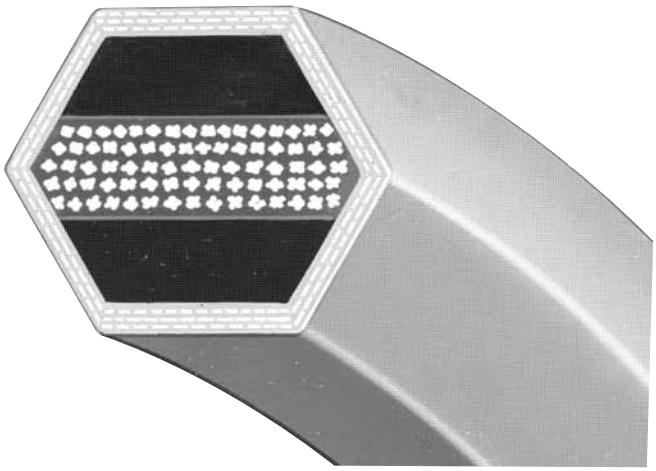


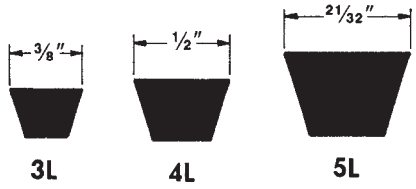
Table No. 1

Browning® Double "V" Gripbelt®

Belt No.	Length Outside	Length Pitch	Wt. Lbs.	Belt No.	Length Outside	Length Pitch	Wt. Lbs.	Belt No.	Length Outside	Length Pitch	Wt. Lbs.	Belt No.	Length Outside	Length Pitch	Wt. Lbs.
AA51	54.5"	53.1"	.5	BB83	87.7"	85.9"	1.2	BB158	162.7"	160.9"	2.5	CC136	142.2"	140.2"	3.3
AA55	58.5	57.1	.5	BB85	89.7	87.9	1.2	BB168	172.7	170.9	2.5	CC144	150.2	148.2	3.5
AA60	63.5	62.1	.6	BB90	94.7	92.9	1.3	BB173	177.7	175.9	2.6	CC158	164.2	162.2	3.9
AA68	71.5	70.1	.6	BB93	97.7	95.9	1.3	BB180	184.7	182.9	2.8	CC162	168.2	166.2	3.9
AA75	78.5	77.1	.7	BB94	98.7	96.9	1.4	BB182	186.7	184.9	2.8	CC173	179.2	177.2	4.2
				BB97	101.7	99.9	1.4								
AA80	83.5	82.1	.8					BB190	194.7	192.9	2.9	CC180	186.2	184.2	4.4
AA85	88.5	87.1	.8	BB103	107.7	105.9	1.5	BB195	199.7	197.9	2.9	CC195	201.2	199.2	4.8
AA90	93.5	92.1	.9	BB105	109.7	107.9	1.5	BB210	214.7	212.9	3.1	CC210	216.2	214.2	5.3
AA96	99.5	98.1	1.0	BB107	111.7	109.9	1.6	BB226	229.2	227.4	3.4				
AA105	108.5	107.1	1.0	BB108	112.7	109.9	1.6								
								BB228	231.2	229.4	3.4				
AA112	115.5	114.1	1.1	BB111	115.7	113.9	1.7	BB240	243.2	241.4	3.6	CC300	304.2	302.2	7.6
AA120	123.5	122.1	1.2	BB112	116.7	114.9	1.5	BB270	273.2	271.4	4.0	CC330	334.2	332.2	7.5
AA128	131.5	130.1	1.2					BB273	276.2	274.4	4.1	CC360	364.2	362.2	8.1
				BB116	120.7	118.9	1.8	BB300	303.2	301.4	4.6	▲CC360DC	364.2	362.2	8.1
BB45	49.7	47.9	.6	BB117	121.7	119.9	1.8								
BB54	58.7	56.9	.8	BB118	122.7	120.9	1.8	CC75	81.2	79.2	1.8	▲CC480DC	484.2	480.9	14.3
				BB120	124.7	122.9	1.8	CC85	91.2	89.2	1.9	▲CC540DC	544.2	540.9	17.5
BB55	59.7	57.9	.8	BB123	127.7	125.9	1.9	CC90	96.2	94.2	2.0				
BB60	64.7	62.9	.9	BB124	128.7	126.9	1.9	CC96	102.2	100.2	2.1				
BB68	72.7	70.9	.9									▲CC700DC	704.2	700.9	21.5
BB74	78.7	76.9	1.0	BB128	132.7	130.9	1.9	CC105	111.2	109.2	2.3	▲CC720DC	724.2	720.9	23.0
BB75	79.7	77.9	1.0	BB129	133.7	131.9	2.0	CC112	118.2	116.2	2.6				
BB81	85.7	83.9	1.1	BB136	140.7	138.9	2.1	CC120	126.2	124.2	2.9				
				BB144	148.7	146.9	2.2	CC128	134.2	132.2	3.1				
				BB155	159.7	157.9	2.3								

▲Deep-Cog Construction.

- **Wrapped construction provides smooth, quiet operation.**
- **Formulated for maximum flexibility for use with smaller diameter sheaves.**
- **More tolerant of slip and misalignment than raw edge belts.**
- **Oil and heat resistant — static conducting.**



B

Table No. 1 **Stock Sizes**

Belt No.	Length Outside	Length Pitch	Wt. Lbs.	Belt No.	Length Outside	Length Pitch	Wt. Lbs.	Belt No.	Length Outside	Length Pitch	Wt. Lbs.	Belt No.	Length Outside	Length Pitch	Wt. Lbs.
				4L220	22"	21.0"	.12	4L780	78"	77.0"	.44	5L570	57"	55.8"	.50
				4L225	22 1/2	21.5	.13	4L790	79	78.0	.44	5L580	58	56.8	.50
3L120	12"	11.3"	.04	4L230	23	22.0	.13	4L800	80	79.0	.44	5L590	59	57.8	.50
3L130	13	12.3	.04	4L240	24	23.0	.13	4L810	81	80.0	.44	5L600	60	58.8	.56
3L140	14	13.3	.05					4L820	82	81.0	.44	5L610	61	59.8	.56
3L150	15	14.3	.05	4L250	25	24.0	.13	4L830	83	82.0	.44	5L620	62	60.8	.56
3L160	16	15.3	.05	4L260	26	25.0	.13	4L840	84	83.0	.44	5L630	63	61.8	.56
3L170	17	16.3	.05	4L270	27	26.0	.13	4L850	85	84.0	.50	5L640	64	62.8	.63
3L180	18	17.3	.06	4L280	28	27.0	.13	4L860	86	85.0	.50	5L650	65	63.8	.63
3L190	19	18.3	.06	4L290	29	28.0	.13	4L870	87	86.0	.50	5L660	66	64.8	.63
3L200	20	19.3	.06	4L300	30	29.0	.13	4L880	88	87.0	.50	5L670	67	65.8	.63
3L210	21	20.3	.07	4L310	31	30.0	.19	4L890	89	88.0	.50	5L680	68	66.8	.63
3L220	22	21.3	.07	4L320	32	31.0	.19	4L900	90	89.0	.50	5L690	69	67.8	.63
3L230	23	22.3	.07	4L330	33	32.0	.19	4L910	91	90.0	.50	5L700	70	68.8	.69
3L240	24	23.3	.08	4L340	34	33.0	.19	4L920	92	91.0	.50	5L710	71	69.8	.69
3L250	25	24.3	.08	4L350	35	34.0	.19	4L930	93	92.0	.50	5L720	72	70.8	.69
3L260	26	25.3	.08	4L360	36	35.0	.19	4L940	94	93.0	.50	5L730	73	71.8	.69
3L270	27	26.3	.08	4L370	37	36.0	.19	4L950	95	94.0	.50	5L740	74	72.8	.69
3L280	28	27.3	.09	4L380	38	37.0	.19	4L960	96	95.0	.50	5L750	75	73.8	.69
3L290	29	28.3	.09	4L390	39	38.0	.25	4L970	97	96.0	.50	5L760	76	74.8	.69
3L300	30	29.3	.09	4L400	40	39.0	.25	4L980	98	97.0	.56	5L770	77	75.8	.69
3L310	31	30.3	.10	4L410	41	40.0	.25	4L990	99	98.0	.56	5L780	78	76.8	.75
3L320	32	31.3	.10	4L415	41 1/2	40.5	.25	4L1000	100	99.0	.56	5L790	79	77.8	.75
3L330	33	32.3	.10	4L420	42	41.0	.25					5L800	80	78.8	.75
3L340	34	33.3	.11	4L430	43	42.0	.25					5L810	81	79.8	.75
3L350	35	34.3	.11	4L440	44	43.0	.25	5L230	23	21.8	.20	5L820	82	80.8	.75
3L360	36	35.3	.11	4L450	45	44.0	.25	5L240	24	22.8	.20	5L830	83	81.8	.75
3L370	37	36.3	.12	4L460	46	45.0	.25	5L250	25	23.8	.20	5L840	84	82.8	.75
3L380	38	37.3	.12	4L470	47	46.0	.25	5L260	26	24.8	.20	5L850	85	83.8	.81
3L390	39	38.3	.12	4L480	48	47.0	.25	5L270	27	25.8	.22	5L860	86	84.8	.81
3L400	40	39.3	.13	4L490	49	48.0	.31	5L280	28	26.8	.22	5L870	87	85.8	.81
3L410	41	40.3	.13	4L500	50	49.0	.31	5L290	29	27.8	.24	5L880	88	86.8	.81
3L420	42	41.3	.13	4L510	51	50.0	.31	5L300	30	28.8	.26	5L890	89	87.8	.81
3L430	43	42.3	.13	4L520	52	51.0	.31	5L310	31	29.8	.26	5L900	90	88.8	.81
3L440	44	43.3	.14	4L530	53	52.0	.31	5L320	32	30.8	.26	5L910	91	89.8	.88
3L450	45	44.3	.14	4L540	54	53.0	.31	5L330	33	31.8	.28	5L920	92	90.8	.88
3L460	46	45.3	.14	4L550	55	54.0	.31	5L340	34	32.8	.28	5L930	93	91.8	.88
3L470	47	46.3	.15	4L560	56	55.0	.31	5L350	35	33.8	.31	5L940	94	92.8	.88
3L480	48	47.3	.15	4L570	57	56.0	.31	5L360	36	34.8	.31	5L950	95	93.8	.88
3L490	49	48.3	.15	4L580	58	57.0	.31	5L370	37	35.8	.31	5L960	96	94.8	.88
3L500	50	49.3	.16	4L590	59	58.0	.31	5L380	38	36.8	.31	5L970	97	95.8	.88
3L510	51	50.3	.16	4L600	60	59.0	.31	5L390	39	37.8	.31	5L980	98	96.8	.94
3L520	52	51.3	.16	4L610	61	60.0	.31	5L400	40	38.8	.38	5L990	99	97.8	.94
3L530	53	52.3	.17	4L620	62	61.0	.31	5L410	41	39.8	.38	5L1000	100	98.8	.94
3L540	54	53.3	.17	4L630	63	62.0	.31	5L420	42	40.8	.38				
3L550	55	54.3	.18	4L640	64	63.0	.38	5L430	43	41.8	.38				
3L560	56	55.3	.18	4L650	65	64.0	.38	5L440	44	42.8	.38				
3L570	57	56.3	.18	4L660	66	65.0	.38	5L450	45	43.8	.38				
3L580	58	57.3	.18	4L670	67	66.0	.38	5L460	46	44.8	.44				
3L590	59	58.3	.19	4L680	68	67.0	.38	5L470	47	45.8	.44				
3L600	60	59.3	.19	4L690	69	68.0	.38	5L480	48	46.8	.44				
3L610	61	60.3	.19	4L700	70	69.0	.38	5L490	49	47.8	.50				
3L620	62	61.3	.19	4L710	71	70.0	.38	5L500	50	48.8	.50				
3L630	63	62.3	.20	4L720	72	71.0	.38	5L510	51	49.8	.50				
4L170	17	16.0	.10	4L730	73	72.0	.38	5L520	52	50.8	.50				
4L180	18	17.0	.10	4L740	74	73.0	.38	5L530	53	51.8	.50				
4L190	19	18.0	.11	4L750	75	74.0	.44	5L540	54	52.8	.50				
4L200	20	19.0	.11	4L760	76	75.0	.44	5L550	55	53.8	.50				
4L210	21	20.0	.12	4L770	77	76.0	.44	5L560	56	54.8	.50				

- **Oil and Heat Resistant**
- **More HORSEPOWER in Less Space**

3V
3/8" x 15/16

5V
5/8" x 17/32

8V
1" x 29/32

Table No. 1 **Specifications**

PART NO.	OUTSIDE LENGTH	WT. LBS.	PART NO.	OUTSIDE LENGTH	WT. LBS.	PART NO.	OUTSIDE LENGTH	WT. LBS.
3VX250	25.0	.1	**5VX590**	59.0	.6	**5V2120**	212.0	2.4
3VX265	26.5	.1	**5VX600**	60.0	.7	**5V2240**	224.0	2.6
3VX280	28.0	.1	**5VX610**	61.0	.7	**5V2360**	236.0	2.8
3VX300	30.0	.1	**5VX630**	63.0	.7	**5V2500**	250.0	2.9
3VX315	31.5	.1	**5VX650**	65.0	.7	**5V2650**	265.0	3.2
3VX335	33.5	.1	**5VX660**	66.0	.8	**5V2800**	280.0	3.3
3VX355	35.5	.2	**5VX670**	67.0	.8	**5V3000**	300.0	3.6
3VX375	37.5	.2	**5VX680**	68.0	.8	**5V3150**	315.0	3.9
3VX400	40.0	.2	**5VX690**	69.0	.8	**5V3350**	335.0	4.0
3VX425	42.5	.2	**5VX710**	71.0	.8	**5V3550**	355.0	4.3
3VX450	45.0	.2	**5VX730**	73.0	.8	**8V1000**	100.0	3.3
3VX475	47.0	.2	**5VX740**	74.0	.8	**8V1120**	112.0	3.6
3VX500	50.0	.2	**5VX750**	75.0	.8	**8V1180**	118.0	3.8
3VX530	53.0	.2	**5VX780**	78.0	.8	**8V1250**	125.0	3.9
3VX560	56.0	.2	**5VX800**	80.0	.9			
3VX600	60.0	.3	**5VX810**	81.0	.9	**8V1400**	140.0	4.5
3VX630	63.0	.3	**5VX830**	83.0	.9	**8V1500**	150.0	4.8
3VX670	67.0	.3	**5VX840**	84.0	.9	**8V1600**	160.0	5.1
3VX710	71.0	.3	**5VX850**	85.0	.9	**8V1700**	170.0	5.6
3VX750	75.0	.3	**5VX860**	86.0	.9	**8V1800**	180.0	6.0
3VX800	80.0	.4	**5VX880**	88.0	.9	**8V1900**	190.0	6.3
3VX850	85.0	.4	**5VX900**	90.0	1.0	**8V2000**	200.0	6.5
3VX900	90.0	.4	**5VX930**	93.0	1.0	**8V2120**	212.0	6.9
3VX950	95.0	.4	**5VX950**	95.0	1.0	**8V2240**	224.0	7.2
3VX1000	100.0	.4	**5VX960**	96.0	1.0	**8V2360**	236.0	7.6
3VX1060	106.0	.4	**5VX1000**	100.0	1.1	**8V2500**	250.0	8.0
3VX1120	112.0	.5	**5VX1030**	103.0	1.1	**8V2650**	265.0	8.5
3VX1180	118.0	.5	**5VX1060**	106.0	1.2	**8V2800**	280.0	8.9
3VX1250	125.0	.6	**5VX1080**	108.0	1.2	**8V3000**	300.0	9.6
3VX1320	132.0	.6	**5VX1120**	112.0	1.3	**8V3150**	315.0	10.3
3VX1400	140.0	.6	**5VX1150**	115.0	1.3	**8V3350**	335.0	11.4
5VX450	45.0	.4	**5VX1180**	118.0	1.4	**8V3550**	355.0	12.4
5VX470	47.0	.5	**5VX1230**	123.0	1.4	**8V3750**	375.0	11.4
5VX490	49.0	.5	**5VX1250**	125.0	1.4	**8V4000**	400.0	13.0
5VX500	50.0	.6	**5VX1320**	132.0	1.5	**8V4250**	425.0	12.9
5VX510	51.0	.6	**5VX1400**	140.0	1.6	**8V4500**	450.0	14.4
5VX530	53.0	.6	**5VX1500**	150.0	1.8	**8V4750**	475.0	14.5
5VX540	54.0	.6	**5VX1600**	160.0	1.8	**8V5000**	500.0	15.3
5VX550	55.0	.6	**5VX1700**	170.0	2.0			
5VX560	56.0	.6	**5VX1800**	180.0	2.1			
5VX570	57.0	.6	**5VX1900**	190.0	2.3			
5VX580	58.0	.6	**5VX2000**	200.0	2.4			

Belts with "X" in Part Number are Gripnotch Belts.

Multiple V- Belts in Unit Construction

- Oil and Heat Resistant
- Ideal for Pulsating Loads and Long Centers

Table No. 1 — **Stock Sizes**

PART NO.	OUTSIDE LENGTH	WT. LBS.	PART NO.	OUTSIDE LENGTH	WT. LBS.	PART NO.	OUTSIDE LENGTH	WT. LBS.	PART NO.	OUTSIDE LENGTH	WT. LBS.	PART NO.	OUTSIDE LENGTH	WT. LBS.
2GB3VX450	45.0"	.6	**2GB3VX750**	75.0	1.0	**2GB3V1320▲**	132.0	1.8	**2GB5VX1060**	106.0	3.4	**2GB5V1800**	180.0	6.0
3GB3VX450	45.0	.9	**3GB3VX750**	75.0	1.5	**3GB3V1320▲**	132.0	2.7	**3GB5VX1060**	106.0	5.1	**3GB5V1800**	180.0	9.0
4GB3VX450	45.0	1.2	**4GB3VX750**	75.0	2.0	**4GB3V1320▲**	132.0	3.6	**4GB5VX1060**	106.0	6.8	**4GB5V1800**	180.0	12.0
									5GB5VX1060	106.0	8.5			
2GB3VX475	47.5	.6	**2GB3VX800**	80.0	1.0	**2GB3V1400▲**	140.0	1.8				**2GB5V1900**	190.0	6.4
3GB3VX475	47.5	.9	**3GB3VX800**	80.0	1.5	**3GB3V1400▲**	140.0	2.7	**2GB5VX1120**	112.0	3.6	**3GB5V1900**	190.0	9.6
4GB3VX475	47.5	1.2	**4GB3VX800**	80.0	2.0	**4GB3V1400▲**	140.0	3.6	**3GB5VX1120**	112.0	5.4	**4GB5V1900**	190.0	12.8
									4GB5VX1120	112.0	7.2			
2GB3VX500	50.0	.6	**2GB3VX850**	85.0	1.2	**2GB5VX670**	67.0	2.2				**2GB5V2000**	200.0	6.6
3GB3VX500	50.0	.9	**3GB3VX850**	85.0	1.8	**3GB5VX670**	67.0	3.3	**2GB5V1180**	118.0	3.8	**3GB5V2000**	200.0	9.9
4GB3VX500	50.0	1.2	**4GB3VX850**	85.0	2.4	**4GB5VX670**	67.0	4.4	**3GB5V1180**	118.0	5.7	**4GB5V2000**	200.0	13.2
									4GB5V1180	118.0	7.6			
2GB3VX530	53.0	.8	**2GB3VX900**	90.0	1.2	**2GB5VX710**	71.0	2.4				**2GB5V2120**	212.0	7.0
3GB3VX530	53.0	1.2	**3GB3VX900**	90.0	1.8	**3GB5VX710**	71.0	3.6	**2GB5V1250**	125.0	4.0	**3GB5V2120**	212.0	10.5
4GB3VX530	53.0	1.6	**4GB3VX900**	90.0	2.4	**4GB5VX710**	71.0	4.8	**3GB5V1250**	125.0	6.0	**4GB5V2120**	212.0	14.0
									4GB5V1250	125.0	8.0			
2GB3VX560	56.0	.8	**2GB3VX950**	95.0	1.2	**2GB5VX750**	75.0	2.6	**5GB5V1250**	125.0	10.0	**2GB5V2240**	224.0	7.6
3GB3VX560	56.0	1.2	**3GB3VX950**	95.0	1.8	**3GB5VX750**	75.0	3.9				**3GB5V2240**	224.0	11.4
4GB3VX560	56.0	1.6	**4GB3VX950**	95.0	2.4	**4GB5VX750**	75.0	5.2	**2GB5V1320**	132.0	4.0	**4GB5V2240**	224.0	15.2
									3GB5V1320	132.0	6.0			
2GB3VX600	60.0	.8	**2GB3VX1000**	100.0	1.4	**2GB5VX800**	80.0	2.6	**4GB5V1320**	132.0	8.0	**4GB5V2360**	236.0	16.0
3GB3VX600	60.0	1.2	**3GB3VX1000**	100.0	2.1	**3GB5VX800**	80.0	3.9						
4GV3VX600	60.0	1.6	**4GB3VX1000**	100.0	2.8	**4GB5VX800**	80.0	5.2	**2GB5V1400**	140.0	4.4	**2GB5V2500**	250.0	8.4
									3GB5V1400	140.0	6.6	**3GB5V2500**	250.0	12.6
2GB3VX630	63.0	.8	**2GB3VX1060**	106.0	1.4	**2GB5VX900**	90.0	3.0	**4GB5V1400**	140.0	8.8	**4GB5V2500**	250.0	16.8
3GB3VX630	63.0	1.2	**3GB3VX1060**	106.0	2.1	**3GB5VX900**	90.0	4.5						
4GB3VX630	63.0	1.6	**4GB3VX1060**	106.0	2.8	**4GB5VX900**	90.0	6.0	**2GB5V1500**	150.0	4.6	**2GB5V2650**	265.0	8.6
									3GB5V1500	150.0	6.9	**3GB5V2650**	265.0	12.9
2GB3VX670	67.0	.8	**2GB3VX1120**	112.0	1.4	**2GB5VX950**	95.0	3.0	**4GB5V1500**	150.0	9.2	**4GB5V2500**	265.0	17.2
3GB3VX670	67.0	1.2	**3GB3VX1120**	112.0	2.1	**3GB5VX950**	95.0	4.5	**5GB5V1500**	150.0	11.5			
4GB3VX670	67.0	1.6	**4GB3VX1120**	112.0	2.8	**4GB5VX950**	95.0	6.0				**2GB5V2800**	280.0	9.0
									2GB5V1600	160.0	5.0	**3GB5V2800**	280.0	13.5
2GB3VX710	71.0	1.0	**2GB3V1180▲**	118.0	1.6	**2GB5VX1000**	100.0	3.2	**3GB5V1600**	160.0	7.5	**4GB5V2800**	280.0	18.0
3GB3VX710	71.0	1.5	**3GB3V1180▲**	118.0	2.4	**3GB5VX1000**	100.0	4.8	**4GB5V1600**	160.0	10.0			
4GB3VX710	71.0	2.0	**4GB3V1180▲**	118.0	3.2	**4GB5VX1000**	100.0	6.4				**2GB5V3000**	300.0	10.0
						5GB5VX1000	100.0	8.0	**2GB5V1700**	170.0	5.6	**3GB5V3000**	300.0	15.0
			2GB3V1250▲	125.0	1.6				**3GB5V1700**	170.0	8.4	**4GB5V3000**	300.0	20.0
			3GB3V1250▲	125.0	2.4				**4GB5V1700**	170.0	11.2			
			4GB3V1250▲	125.0	3.2				**5GB5V1700**	170.0	14.0			

Gripbands with more ribs are available on Special Order or combinations of Stock Gripbands may be ordered in matched sets for drives with more grooves; for example, two matched three rib Gripbands may be used on a six groove drive.

Horsepower Ratings fo "X" Gripbands are the same as appropriate number of Gripnotch Belts; others same as Super Gripbelts except "3V" Gripbands marked (▲) are rated at 80% of "3VX' Gripnotch ratings

Part No. **2GB3VX450** means
2 = Two Ribs
GB = Gripband
3V = Cross Section
X = Notched Construction
450 = 45" Outside Length

ADJUSTABLE TO ANY LENGTH...IDEAL FOR FIXED CENTER DRIVES, VIBRATION SUPPRESSION, AND HOSTILE ENVIRONMENTS

- **Higher Capacity**
  You don't need to compromise when you install Premium Griptwist® belts, because this belt has remarkable strength and durability. In fact, Premium Griptwist belts delives higher horsepower than any other link-type V-belt.
- **Easy Installation**
  Premium Griptwist Belts can be assembled to any length required in a matter of seconds, with just a twist of the wrist. No special tools required. No need to dismantle machinery.
- **Perfect for Emergency Replacement**
  The Premium Griptwist belt minimizes production downtime because it assembles and installs immediately for any length required. A supply of Premium Griptwist belts is positive insurance that you'll never be without the exact belt length you need.
- **Vibration Free**
  Premium Griptwist Belts have no equal in suppressing troublesome vibration. Because of their extremely close tolerances, they create and transmit up to 90% less vibration than classical endless V-belts.
- **Low Stretch**
  Premium Griptwist belt's twist-lock design locks the belt links tightly to the length desired. Combined with the 100% urethane/polyester construction, this produces a belt with less than half the stretch of other link-type belts.
- **Less Inventory**
  Premium Griptwist belts are available in standard 3L, A and B cross sections, replacing both standard and fractional horsepower V-belt inventory. This means that just three Premium Griptwist coils can eliminate the need of extensive replacement V-belt inventory.
- **Lower Drive Tensions**
  The Premium Griptwist belt's raw-edge cog construction allows lower drive tensions, extending both belt and bearing life.
- **Cooler Running**
  The cross-link construction of Premium Griptwist belts dissipates heat rapidly, virtually eliminating heat build-up and fatigue.
- **Superior Design and Materials**
  Premium Griptwist belt's durability and versatility lies in simplicity of design combined with high-strength urethane elastometer reinforced with multiple plies of polyester fabric. This results in an incredibly strong yet flexible belt, providing consistently high performance.
- **Oil, Water, Chemical and Heat Resistant**
  Premium Griptwist belt's rugged construction withstands temperatures from 0° to 250°F...provides excellent resistance to water, oils and many industrial chemicals.

Table No. 1 **Stock Sizes**

Premium Griptwist	5 Ft.	100 Ft.	Sleeve
3LP Griptwist	X	X	3L SLEEVE
AP Griptwist	X	X	AP SLEEVE
BP Griptwist	X	X	BP SLEEVE

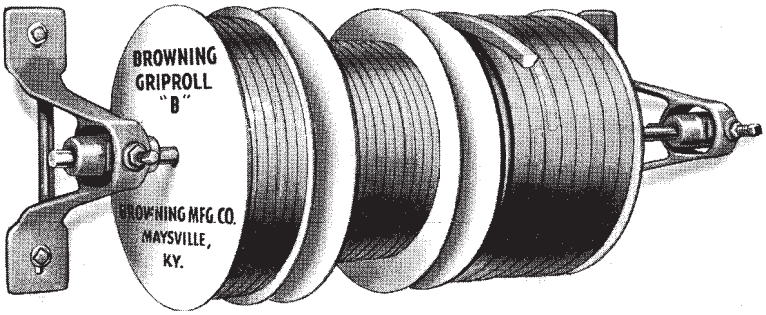
Available in 100 ft. coils or convenient new sleeves

With a single coil of Premium Griptwist belting in each of these commonly used cross sections - 3L, A and B - you can replace any standard endless V-belts. And you can do it instantly and easily without costly and time-consuming disassemly of machinery.

Or select the unique new "Super Spare" sleeves in A and B cross sections, providing up to a 50-belt instant inventory in one low cost item.

But either way - coil or sleeve - this is the industry's newest and most advanced design in link-type belting, offering capacities and features never before available. Put Premium Griptwist belts in your stockroom today, and turn down-time into drive time, every time.

Recommended for use only where Browning Gripbelt® belts cannot be used



Stock Griproll - Regular and Oil Resistant

Table No. 1

Griproll Cross Section	Size	Weight per foot	Stock Roll Length	Use Fastener	Minimum Sheave Diameter
A	1/2" X 11/32"	.09 Lbs.	275 Feet	A-180 or A-312	3.0
B	21/32 x 7/16	.13 Lbs.	250 Feet	B-214 or B-437	5.4
C	15/16 x 17/32	.21 Lbs.	225 Feet	C-531	9.0
D	1 1/4 x 3/4	.48 Lbs.	200 Feet	D-750	13.0

Griproll Belts may be made up to any length for use on fixed center drives.

Griproll Belts can be installed without dismantling machinery with outboard bearings.

Griproll Belts using A-312, B-437, C-531 and D-750 Fasteners cannot be used on V-Flat Drives.

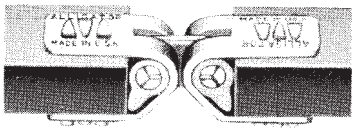
Do not use Griproll Belts at speeds exceeding 3500 feet per minute

Do not use Griproll Belts on QuarterTurn Drives.

Do not use Griproll Fasteners to repair broken Endless Belts

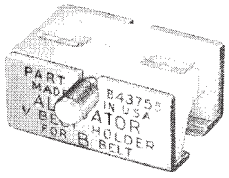
B

FASTENERS and APPLICATION TOOLS for BROWNING GRIPROLL BELTS

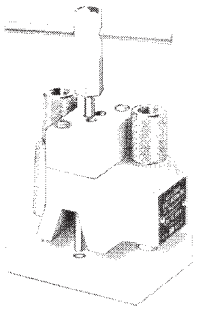


Fasteners

Rocker Pin Tools



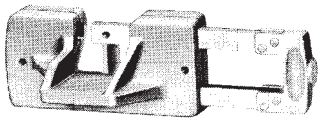
Holders



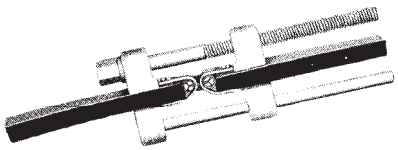
Piercing Tools

Table No. 2 **Application Tools**

Fastener	Piercing Tools	Rocker Pin Tools	Holder	Flat Nails PKG. of 100
A-312	-	-	A-31255	-
B-437	B-43760	B-43740	B-43755	B43774
C-531	C-62560	C-62540	C-53155	C53174
D-750	D-75060	C-62540	-	



C-62520
Belt Cutter For all belt sizes.
C-62523
Replacement Blade



Belt Tighteners
B-43750 for "B" Belts
C-53150 for "C" Belts
D-75050 for "D" Belts

Horsepower Ratings of Single Belts

"A" SUPER GRIPBELT® BELTS

Table No.1

("Drive Ratio Correction" Must Be ADDED to Ratings Listed Below)

RPM of Smaller Sheave	SHEAVE DATUM DIAMETERS																		
	2.00	2.10	2.20	2.40	2.60	2.80	3.00	3.20	3.40	3.50	3.70	3.80	4.00	4.20	4.40	4.50	4.70	4.80	5.00
1160	**	**	**	**	**	**	1.68	1.94	2.19	2.32	2.57	2.69	2.94	3.19	3.43	3.55	3.80	3.92	4.16
1450	**	**	**	1.27	1.49	1.71	1.96	2.27	2.58	2.73	3.04	3.19	3.49	3.78	4.08	4.23	4.52	4.66	4.95
1750	0.90	1.03	1.17	1.43	1.69	1.95	2.23	2.59	2.95	3.13	3.48	3.66	4.00	4.35	4.69	4.86	5.20	5.36	5.69
2900	1.10	1.30	1.50	1.90	2.28	2.66	3.03	3.49	4.02	4.28	4.79	5.04	5.54	6.02	6.50	6.73	7.19	7.41	7.85
3500	1.14	1.37	1.60	2.05	2.49	2.92	3.34	3.78	4.37	4.66	5.22	5.50	6.04	6.56	7.07	7.32	7.80	8.03	8.49
600	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**
800	**	**	**	**	**	**	**	**	**	**	**	**	**	**	2.55	2.64	2.81	2.90	3.08
1000	**	**	**	**	**	**	**	**	**	2.07	2.29	2.40	2.62	2.84	3.05	3.16	3.37	3.48	3.69
1200	**	**	**	**	**	**	1.72	1.99	2.25	2.38	2.63	2.76	3.02	3.27	3.53	3.65	3.90	4.02	4.27
1400	**	**	**	**	1.46	1.67	1.92	2.22	2.52	2.66	2.96	3.11	3.40	3.69	3.97	4.11	4.40	4.54	4.82
1600	**	**	1.11	1.35	1.59	1.83	2.10	2.44	2.77	2.93	3.26	3.43	3.75	4.07	4.39	4.55	4.86	5.02	5.33
1800	0.91	1.05	1.19	1.45	1.72	1.98	2.27	2.64	3.00	3.19	3.55	3.73	4.09	4.44	4.79	4.96	5.30	5.47	5.81
2000	0.96	1.11	1.26	1.55	1.84	2.13	2.42	2.82	3.22	3.42	3.82	4.01	4.40	4.78	5.16	5.34	5.71	5.90	6.26
2200	1.00	1.16	1.32	1.64	1.95	2.26	2.57	3.00	3.43	3.64	4.07	4.27	4.69	5.10	5.50	5.70	6.10	6.29	6.68
2400	1.03	1.21	1.38	1.72	2.06	2.39	2.71	3.16	3.62	3.85	4.30	4.52	4.96	5.39	5.82	6.03	6.45	6.65	7.06
2600	1.06	1.25	1.43	1.80	2.15	2.50	2.85	3.30	3.79	4.03	4.51	4.74	5.21	5.66	6.11	6.33	6.77	6.98	7.40
2800	1.09	1.28	1.48	1.86	2.24	2.61	2.97	3.43	3.95	4.20	4.70	4.95	5.43	5.91	6.38	6.60	7.06	7.28	7.71
3000	1.11	1.32	1.52	1.93	2.32	2.71	3.09	3.55	4.09	4.35	4.87	5.13	5.64	6.13	6.61	6.85	7.31	7.54	7.99
3200	1.12	1.34	1.56	1.98	2.40	2.80	3.20	3.65	4.21	4.49	5.03	5.29	5.82	6.32	6.82	7.06	7.53	7.77	8.22
3400	1.13	1.36	1.59	2.03	2.46	2.88	3.29	3.74	4.32	4.60	5.16	5.44	5.97	6.49	7.00	7.24	7.72	7.95	8.41
3600	1.14	1.38	1.61	2.07	2.52	2.96	3.38	3.81	4.41	4.70	5.28	5.56	6.10	6.63	7.14	7.39	7.87	8.11	8.56
3800	1.14	1.39	1.63	2.11	2.57	3.02	3.46	3.88	4.48	4.78	5.37	5.65	6.21	6.74	7.26	7.50	7.98	8.22	8.66
4000	1.14	1.39	1.64	2.13	2.61	3.07	3.52	3.95	4.54	4.84	5.44	5.73	6.29	6.82	7.34	7.58	8.06	8.28	8.72
4400	1.11	1.38	1.65	2.17	2.67	3.15	3.62	4.06	4.59	4.91	5.51	5.80	6.36	6.89	7.39	7.63	8.08	8.29	8.69
4800	1.07	1.36	1.64	2.18	2.70	3.20	3.67	4.11	4.57	4.88	5.49	5.77	6.32	6.83	7.30	7.52	7.93	8.12	8.46
5200	1.01	1.31	1.60	2.16	2.69	3.19	3.67	4.11	4.51	4.77	5.36	5.64	6.16	6.63	7.05	7.24	7.59	-	-
5600	0.93	1.23	1.53	2.11	2.65	3.15	3.62	4.04	4.43	4.60	5.13	5.39	5.86	6.28	6.64	-	-	-	-
6000	0.82	1.14	1.44	2.02	2.56	3.06	3.51	3.91	4.27	4.43	4.78	5.02	5.43	-	-	-	-	-	-
6500	0.66	0.98	1.29	1.87	2.40	2.88	3.30	3.66	3.96	4.08	4.28	4.37	-	-	-	-	-	-	-
7000	0.46	0.79	1.09	1.66	2.17	2.62	2.99	3.29	3.51	3.60	-	-	-	-	-	-	-	-	-
7500	0.23	0.55	0.85	1.40	1.87	2.27	2.58	2.80	-	-	-	-	-	-	-	-	-	-	-
8000	-	0.27	0.56	1.07	1.50	1.83	2.06	-	-	-	-	-	-	-	-	-	-	-	-

"AX" GRIPNOTCH® BELTS

Table No.2

("Drive Ratio Correction" Must Be ADDED to Ratings Listed Below)

RPM of Smaller Sheave	SHEAVE DATUM DIAMETERS																		
	2.00	2.10	2.20	2.40	2.60	2.80	3.00	3.20	3.40	3.50	3.70	3.80	4.00	4.20	4.40	4.50	4.70	4.80	5.00
1160	**	**	**	**	**	**	2.22	2.45	2.67	2.79	3.01	3.12	3.34	3.56	3.78	3.88	4.10	4.21	4.45
1450	**	**	**	1.73	2.01	2.29	2.57	2.85	3.12	3.25	3.52	3.65	3.91	4.17	4.45	4.60	4.89	5.04	5.33
1750	1.24	1.41	1.58	1.92	2.25	2.58	2.90	3.22	3.53	3.68	3.99	4.14	4.46	4.81	5.15	5.33	5.67	5.84	6.18
2900	1.42	1.67	1.92	2.42	2.90	3.37	3.83	4.28	4.81	5.08	5.61	5.87	6.38	6.89	7.39	7.63	8.12	8.36	8.83
3500	1.41	1.70	1.98	2.54	3.09	3.62	4.14	4.76	5.38	5.68	6.27	6.57	7.14	7.71	8.25	8.52	9.05	9.31	9.81
600	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**
800	**	**	**	**	**	**	**	**	**	**	**	**	**	**	2.86	2.94	3.10	3.18	3.34
1000	**	**	**	**	**	**	**	**	**	2.51	2.70	2.80	3.00	3.19	3.39	3.48	3.67	3.76	3.95
1200	**	**	**	**	**	**	2.27	2.50	2.74	2.85	3.08	3.20	3.42	3.65	3.87	3.98	4.20	4.33	4.58
1400	**	**	**	**	1.97	2.24	2.51	2.78	3.04	3.18	3.43	3.56	3.82	4.07	4.33	4.47	4.76	4.90	5.18
1600	**	**	1.51	1.83	2.14	2.44	2.74	3.04	3.33	3.47	3.76	3.90	4.18	4.48	4.81	4.97	5.29	5.45	5.76
1800	1.25	1.43	1.60	1.95	2.29	2.62	2.95	3.27	3.59	3.75	4.06	4.22	4.55	4.91	5.27	5.44	5.79	5.97	6.31
2000	1.30	1.49	1.68	2.06	2.43	2.79	3.14	3.49	3.84	4.01	4.35	4.53	4.93	5.32	5.70	5.89	6.27	6.46	6.83
2200	1.34	1.55	1.75	2.16	2.55	2.94	3.32	3.70	4.07	4.25	4.65	4.86	5.28	5.70	6.12	6.32	6.73	6.93	7.33
2400	1.37	1.59	1.81	2.24	2.66	3.08	3.48	3.88	4.27	4.48	4.94	5.17	5.62	6.07	6.51	6.73	7.16	7.37	7.79
2600	1.40	1.63	1.86	2.32	2.77	3.20	3.63	4.05	4.48	4.73	5.22	5.46	5.94	6.41	6.88	7.11	7.56	7.79	8.23
2800	1.41	1.66	1.90	2.39	2.86	3.32	3.77	4.21	4.71	4.97	5.48	5.74	6.24	6.74	7.22	7.46	7.94	8.17	8.64
3000	1.42	1.68	1.94	2.44	2.94	3.42	3.89	4.36	4.92	5.19	5.73	6.00	6.52	7.04	7.55	7.80	8.29	8.54	9.01
3200	1.42	1.69	1.96	2.49	3.01	3.51	4.00	4.53	5.11	5.40	5.96	6.24	6.79	7.32	7.85	8.11	8.62	8.87	9.36
3400	1.41	1.70	1.98	2.53	3.06	3.59	4.09	4.69	5.29	5.59	6.17	6.46	7.03	7.58	8.12	8.39	8.91	9.17	9.67
3600	1.40	1.70	1.99	2.56	3.11	3.65	4.19	4.83	5.46	5.77	6.37	6.67	7.25	7.82	8.38	8.65	9.18	9.44	9.95
3800	1.38	1.69	1.99	2.58	3.15	3.70	4.30	4.97	5.61	5.93	6.55	6.86	7.45	8.04	8.60	8.88	9.42	9.68	10.19
4000	1.35	1.67	1.98	2.59	3.18	3.76	4.40	5.09	5.75	6.08	6.71	7.03	7.64	8.23	8.80	9.08	9.62	9.88	10.40
4400	1.28	1.61	1.94	2.58	3.22	3.84	4.57	5.28	5.98	6.32	6.98	7.30	7.93	8.54	9.11	9.39	9.93	10.19	10.69
4800	1.18	1.53	1.87	2.57	3.24	3.91	4.68	5.43	6.15	6.50	7.18	7.50	8.14	8.74	9.31	9.59	10.11	10.36	10.83
5200	1.05	1.43	1.80	2.52	3.21	3.95	4.75	5.52	6.25	6.61	7.29	7.62	8.24	8.84	9.39	9.65	10.14	-	-
5600	0.92	1.32	1.70	2.44	3.15	3.95	4.77	5.55	6.29	6.64	7.32	7.64	8.25	8.81	9.33	-	-	-	-
6000	0.77	1.18	1.57	2.33	3.06	3.90	4.73	5.51	6.25	6.60	7.26	7.57	8.15	-	-	-	-	-	-
6500	0.55	0.96	1.37	2.15	2.89	3.77	4.60	5.38	6.09	6.43	7.05	7.33	-	-	-	-	-	-	-
7000	0.29	0.71	1.13	1.91	2.68	3.57	4.39	5.14	5.81	6.12	-	-	-	-	-	-	-	-	-
7500	-	0.42	0.83	1.61	2.41	3.28	4.07	4.78	-	-	-	-	-	-	-	-	-	-	-
8000	-	0.08	0.49	1.25	2.06	2.91	3.66	-	-	-	-	-	-	-	-	-	-	-	-

** Belt speeds are very low. Other types of drives should be considered: consult Browning.

Horsepower Ratings of Single Belts

"A" SUPER GRIPBELT® BELTS

Table No.1 **("Drive Ratio Correction" Must Be ADDED to Ratings Listed Below)**

RPM of Smaller Sheave	SHEAVE DATUM DIAMETERS											DRIVE RATIO CORRECTION								
	5.20	5.40	5.50	5.70	5.80	6.00	6.20	6.40	6.70	7.00	8.00	1.02-1.03	1.04-1.06	1.07-1.08	1.09-1.12	1.13-1.16	1.17-1.22	1.23-1.32	1.33-1.50	1.51 & UP
1160	4.40	4.63	4.75	4.99	5.10	5.33	5.56	5.79	6.13	6.47	7.57	0.03	0.06	0.09	0.12	0.14	0.17	0.20	0.23	0.26
1450	5.23	5.52	5.66	5.93	6.07	6.35	6.62	6.89	7.29	7.69	8.97	0.04	0.07	0.11	0.14	0.18	0.22	0.25	0.29	0.32
1750	6.02	6.35	6.51	6.83	6.98	7.30	7.61	7.91	8.36	8.81	10.22	0.04	0.09	0.13	0.17	0.22	0.26	0.30	0.35	0.39
2900	8.28	8.70	8.91	9.31	9.50	9.88	10.25	10.60	11.11	11.59	12.93	0.07	0.14	0.22	0.29	0.36	0.43	0.50	0.58	0.65
3500	8.92	9.34	9.54	9.92	10.11	10.46	10.79	11.11	11.53	11.90	-	0.09	0.17	0.26	0.35	0.44	0.52	0.61	0.70	0.78
600	**	**	**	**	2.96	3.09	3.23	3.36	3.56	3.75	4.40	0.01	0.03	0.04	0.06	0.07	0.09	0.10	0.12	0.13
800	3.25	3.42	3.51	3.68	3.77	3.94	4.11	4.28	4.53	4.78	5.60	0.02	0.04	0.06	0.08	0.10	0.12	0.14	0.16	0.18
1000	3.90	4.11	4.22	4.42	4.53	4.73	4.94	5.14	5.44	5.75	6.73	0.02	0.05	0.07	0.10	0.12	0.15	0.17	0.20	0.22
1200	4.52	4.76	4.88	5.12	5.24	5.48	5.72	5.95	6.30	6.65	7.77	0.03	0.06	0.09	0.12	0.15	0.18	0.21	0.24	0.27
1400	5.09	5.37	5.51	5.78	5.91	6.18	6.45	6.71	7.10	7.49	8.74	0.03	0.07	0.10	0.14	0.17	0.21	0.24	0.28	0.31
1600	5.64	5.94	6.09	6.39	6.54	6.84	7.13	7.42	7.84	8.27	9.62	0.04	0.08	0.12	0.16	0.20	0.24	0.28	0.32	0.36
1800	6.15	6.48	6.64	6.96	7.13	7.44	7.76	8.07	8.53	8.98	10.41	0.04	0.09	0.13	0.18	0.22	0.27	0.31	0.36	0.40
2000	6.62	6.97	7.15	7.49	7.67	8.00	8.34	8.67	9.15	9.62	11.11	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45
2200	7.06	7.43	7.62	7.98	8.16	8.52	8.87	9.21	9.71	10.20	11.71	0.05	0.11	0.16	0.22	0.27	0.33	0.38	0.44	0.49
2400	7.46	7.85	8.04	8.42	8.61	8.98	9.34	9.69	10.20	10.70	12.20	0.06	0.12	0.18	0.24	0.30	0.36	0.42	0.48	0.54
2600	7.82	8.22	8.42	8.81	9.00	9.38	9.75	10.10	10.62	11.12	12.58	0.06	0.13	0.19	0.26	0.32	0.39	0.45	0.52	0.58
2800	8.14	8.55	8.76	9.15	9.35	9.73	10.10	10.45	10.97	11.45	12.85	0.07	0.14	0.21	0.28	0.35	0.42	0.49	0.56	0.63
3000	8.42	8.84	9.04	9.44	9.64	10.02	10.38	10.73	11.23	11.70	12.99	0.07	0.15	0.22	0.30	0.37	0.45	0.52	0.60	0.67
3200	8.65	9.08	9.28	9.68	9.87	10.24	10.60	10.94	11.42	11.85	-	0.08	0.16	0.24	0.32	0.40	0.48	0.56	0.64	0.72
3400	8.84	9.26	9.47	9.86	10.04	10.41	10.75	11.07	11.51	11.91	-	0.08	0.17	0.25	0.34	0.42	0.51	0.59	0.68	0.76
3600	8.99	9.40	9.60	9.98	10.16	10.50	10.82	11.12	11.52	-	-	0.09	0.18	0.27	0.36	0.45	0.54	0.63	0.72	0.81
3800	9.08	9.48	9.67	10.03	10.20	10.52	10.82	11.08	-	-	-	0.09	0.19	0.28	0.38	0.47	0.57	0.66	0.76	0.85
4000	9.13	9.51	9.69	10.02	10.18	10.47	10.73	-	-	-	-	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90
4400	9.06	9.38	9.53	-	-	-	-	-	-	-	-	0.11	0.22	0.33	0.44	0.55	0.66	0.77	0.88	0.99
4800	-	-	-	-	-	-	-	-	-	-	-	0.12	0.24	0.36	0.48	0.60	0.72	0.84	0.96	1.08
5200	-	-	-	-	-	-	-	-	-	-	-	0.13	0.26	0.39	0.52	0.65	0.78	0.91	1.04	1.16
5600	-	-	-	-	-	-	-	-	-	-	-	0.14	0.28	0.42	0.56	0.70	0.84	0.97	1.12	1.25
6000	-	-	-	-	-	-	-	-	-	-	-	0.15	0.30	0.45	0.60	0.75	0.90	1.04	1.20	1.34
6500	-	-	-	-	-	-	-	-	-	-	-	0.16	0.32	0.49	0.65	0.81	0.97	1.13	1.29	1.46
7000	-	-	-	-	-	-	-	-	-	-	-	0.17	0.35	0.52	0.70	0.87	1.05	1.22	1.39	1.57
7500	-	-	-	-	-	-	-	-	-	-	-	0.19	0.37	0.56	0.75	0.93	1.12	1.31	1.49	1.68
8000	-	-	-	-	-	-	-	-	-	-	-	0.20	0.40	0.60	0.80	1.00	1.20	1.39	1.59	1.79

"AX" GRIPNOTCH® BELTS

Table No.2 **("Drive Ratio Correction" Must Be ADDED to Ratings Listed Below)**

RPM of Smaller Sheave	SHEAVE DATUM DIAMETERS											DRIVE RATIO CORRECTION								
	5.20	5.40	5.50	5.70	5.80	6.00	6.20	6.40	6.70	7.00	8.00	1.03 - 1.07	1.08 - 1.13	1.14 -1.21	1.22- 1.30	1.31- 1.44	1.45- 1.64	1.65- 2.01	2.02- 3.00	3.01 & Up
1160	4.69	4.93	5.05	5.29	5.41	5.64	5.87	6.11	6.45	6.80	7.92	0.05	0.10	0.15	0.19	0.24	0.29	0.34	0.39	0.44
1450	5.62	5.91	6.05	6.33	6.47	6.75	7.03	7.31	7.72	8.13	9.45	0.06	0.12	0.18	0.24	0.30	0.36	0.42	0.48	0.54
1750	6.51	6.84	7.01	7.34	7.50	7.82	8.14	8.46	8.93	9.39	10.88	0.07	0.15	0.22	0.29	0.37	0.44	0.51	0.58	0.66
2900	9.29	9.74	9.97	10.40	10.62	11.04	11.45	11.85	12.44	12.99	14.67	0.12	0.24	0.36	0.48	0.61	0.73	0.85	0.97	1.09
3500	10.30	10.78	11.01	11.46	11.68	12.11	12.52	12.91	13.46	13.98	-	0.15	0.29	0.44	0.58	0.73	0.88	1.02	1.17	1.31
600	**	**	**	**	3.16	3.28	3.40	3.52	3.70	3.90	4.55	0.03	0.05	0.08	0.10	0.13	0.15	0.18	0.20	0.23
800	3.49	3.65	3.73	3.88	3.97	4.14	4.31	4.48	4.73	4.99	5.82	0.03	0.07	0.10	0.13	0.17	0.20	0.23	0.27	0.30
1000	4.15	4.36	4.47	4.68	4.78	4.99	5.20	5.40	5.71	6.01	7.01	0.04	0.08	0.13	0.17	0.21	0.25	0.29	0.33	0.38
1200	4.82	5.07	5.19	5.44	5.56	5.80	6.04	6.28	6.63	6.99	8.14	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45
1400	5.46	5.74	5.88	6.16	6.30	6.57	6.84	7.11	7.51	7.91	9.19	0.06	0.12	0.18	0.23	0.29	0.35	0.41	0.47	0.53
1600	6.07	6.38	6.54	6.84	7.00	7.30	7.60	7.90	8.34	8.77	10.18	0.07	0.13	0.20	0.27	0.33	0.40	0.47	0.53	0.60
1800	6.65	6.99	7.16	7.49	7.66	7.99	8.32	8.64	9.12	9.59	11.10	0.08	0.15	0.23	0.30	0.38	0.45	0.53	0.60	0.68
2000	7.20	7.57	7.75	8.11	8.29	8.64	8.99	9.33	9.84	10.34	11.94	0.08	0.17	0.25	0.33	0.42	0.50	0.58	0.67	0.75
2200	7.72	8.11	8.30	8.69	8.88	9.25	9.62	9.98	10.52	11.04	12.70	0.09	0.18	0.28	0.37	0.46	0.55	0.64	0.73	0.83
2400	8.21	8.62	8.82	9.23	9.42	9.82	10.20	10.58	11.14	11.68	13.37	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90
2600	8.67	9.10	9.31	9.73	9.93	10.34	10.74	11.13	11.70	12.26	13.96	0.11	0.22	0.33	0.43	0.54	0.65	0.76	0.87	0.98
2800	9.09	9.54	9.76	10.19	10.40	10.82	11.23	11.63	12.21	12.77	14.46	0.12	0.23	0.35	0.47	0.58	0.70	0.82	0.93	1.05
3000	9.48	9.94	10.16	10.61	10.82	11.25	11.66	12.07	12.65	13.21	14.85	0.13	0.25	0.38	0.50	0.63	0.75	0.88	1.00	1.13
3200	9.84	10.30	10.53	10.98	11.20	11.63	12.05	12.45	13.03	13.57	-	0.13	0.27	0.40	0.53	0.67	0.80	0.94	1.07	1.20
3400	10.16	10.63	10.86	11.31	11.53	11.96	12.37	12.77	13.33	13.86	-	0.14	0.28	0.43	0.57	0.71	0.85	0.99	1.14	1.28
3600	10.44	10.91	11.15	11.60	11.81	12.24	12.64	13.03	13.57	-	-	0.15	0.30	0.45	0.60	0.75	0.90	1.05	1.20	1.35
3800	10.68	11.16	11.39	11.83	12.04	12.46	12.85	13.22	-	-	-	0.16	0.32	0.48	0.63	0.79	0.95	1.11	1.27	1.43
4000	10.89	11.35	11.58	12.01	12.22	12.62	13.00	-	-	-	-	0.17	0.33	0.50	0.67	0.84	1.00	1.17	1.34	1.50
4400	11.17	11.61	11.82	-	-	-	-	-	-	-	-	0.18	0.37	0.55	0.73	0.92	1.10	1.29	1.47	1.65
4800	-	-	-	-	-	-	-	-	-	-	-	0.20	0.40	0.60	0.80	1.00	1.20	1.40	1.60	1.80
5200	-	-	-	-	-	-	-	-	-	-	-	0.22	0.43	0.65	0.87	1.09	1.30	1.52	1.74	1.95
5600	-	-	-	-	-	-	-	-	-	-	-	0.23	0.47	0.70	0.93	1.17	1.40	1.64	1.87	2.10
6000	-	-	-	-	-	-	-	-	-	-	-	0.25	0.50	0.75	1.00	1.25	1.50	1.75	2.00	2.25
6500	-	-	-	-	-	-	-	-	-	-	-	0.27	0.54	0.81	1.08	1.36	1.63	1.90	2.17	2.44
7000	-	-	-	-	-	-	-	-	-	-	-	0.29	0.59	0.88	1.17	1.46	1.75	2.05	2.34	2.63
7500	-	-	-	-	-	-	-	-	-	-	-	0.31	0.63	0.94	1.25	1.57	1.88	2.19	2.50	2.82
8000	-	-	-	-	-	-	-	-	-	-	-	0.33	0.67	1.00	1.34	1.67	2.00	2.34	2.67	3.01

** Belt speeds are very low. Other types of drives should be considered: consult Browning.

Horsepower Ratings of Single Belts

"B" SUPER GRIPBELT® BELTS

("Drive Ratio Correction" Must Be ADDED to Ratings Listed Below)

Table No. 1

RPM of Smaller Sheave	SHEAVE DATUM DIAMETERS																		
	3.00	3.20	3.40	3.60	3.80	4.00	4.20	4.40	4.60	4.80	5.00	5.20	5.40	5.60	5.80	6.00	6.20	6.40	6.60
1450	1.49	1.88	2.26	2.63	3.01	3.37	3.74	4.10	4.55	5.01	5.47	5.93	6.38	6.82	7.27	7.71	8.14	8.58	9.00
1750	1.58	2.03	2.47	2.91	3.34	3.77	4.19	4.61	5.10	5.64	6.16	6.69	7.21	7.72	8.22	8.72	9.22	9.71	10.19
2900	1.54	2.19	2.82	3.45	4.06	4.65	5.23	5.80	6.35	6.99	7.70	8.38	9.04	9.69	10.31	10.92	11.50	12.06	12.60
3500	1.28	2.01	2.72	3.40	4.06	4.70	5.32	5.92	6.48	7.03	7.69	8.38	9.04	9.67	10.26	10.81	11.34	11.82	12.27
400	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**
600	**	**	**	**	**	**	**	**	**	**	**	**	**	**	3.71	3.92	4.13	4.35	4.56
800	**	**	**	**	**	**	**	2.73	3.00	3.28	3.56	3.84	4.12	4.39	4.67	4.94	5.21	5.48	5.75
1000	**	**	**	2.11	2.39	2.66	2.93	3.19	3.53	3.87	4.21	4.55	4.88	5.21	5.54	5.87	6.20	6.53	6.85
1200	1.39	1.72	2.04	2.36	2.68	3.00	3.31	3.62	4.01	4.41	4.80	5.19	5.58	5.97	6.35	6.73	7.11	7.49	7.86
1400	1.48	1.85	2.22	2.58	2.94	3.30	3.66	4.01	4.45	4.90	5.34	5.79	6.23	6.66	7.09	7.52	7.95	8.37	8.79
1600	1.54	1.96	2.37	2.78	3.18	3.58	3.97	4.36	4.84	5.34	5.83	6.32	6.81	7.29	7.76	8.24	8.70	9.16	9.62
1800	1.59	2.05	2.50	2.95	3.39	3.82	4.26	4.68	5.18	5.73	6.27	6.80	7.33	7.85	8.37	8.88	9.38	9.88	10.37
2000	1.62	2.12	2.61	3.09	3.57	4.04	4.51	4.97	5.49	6.07	6.65	7.23	7.79	8.35	8.90	9.44	9.97	10.50	11.01
2200	1.63	2.17	2.69	3.21	3.72	4.23	4.73	5.22	5.74	6.37	6.98	7.59	8.19	8.78	9.35	9.92	10.48	11.02	11.56
2400	1.62	2.20	2.76	3.31	3.85	4.39	4.91	5.43	5.95	6.61	7.26	7.90	8.52	9.13	9.73	10.32	10.89	11.45	12.00
2600	1.60	2.21	2.80	3.38	3.96	4.52	5.07	5.61	6.13	6.81	7.48	8.14	8.78	9.41	10.03	10.63	11.21	11.78	12.33
2800	1.56	2.20	2.82	3.43	4.03	4.61	5.19	5.74	6.29	6.94	7.64	8.32	8.98	9.62	10.24	10.85	11.43	12.00	12.54
3000	1.50	2.17	2.82	3.46	4.08	4.68	5.27	5.84	6.40	7.03	7.74	8.34	9.09	9.74	10.36	10.97	11.55	12.10	12.63
3200	1.43	2.12	2.80	3.45	4.09	4.72	5.32	5.90	6.47	7.05	7.77	8.46	9.13	9.78	10.39	10.99	11.55	12.08	12.59
3400	1.34	2.05	2.75	3.43	4.08	4.72	5.33	5.92	6.49	7.04	7.74	8.43	9.09	9.73	10.33	10.90	11.44	11.94	12.41
3600	1.23	1.96	2.68	3.37	4.04	4.68	5.30	5.90	6.46	7.00	7.63	8.32	8.97	9.58	10.16	10.70	11.20	11.67	12.09
3800	1.10	1.85	2.58	3.29	3.97	4.62	5.24	5.83	6.39	6.92	7.46	8.13	8.75	9.34	9.88	10.39	10.84	11.26	-
4000	0.95	1.72	2.47	3.18	3.86	4.51	5.13	5.71	6.26	6.77	7.25	7.85	8.45	9.00	9.50	9.95	10.35	-	-
4200	0.78	1.57	2.32	3.04	3.72	4.37	4.97	5.54	6.07	6.56	7.01	7.49	8.05	8.55	9.00	-	-	-	-
4400	0.60	1.39	2.15	2.87	3.55	4.18	4.78	5.33	5.84	6.29	6.71	7.07	7.55	7.99	-	-	-	-	-
4600	0.39	1.19	1.95	2.67	3.34	3.96	4.54	5.06	5.54	5.96	6.33	6.64	-	-	-	-	-	-	-
4800	0.16	0.97	1.72	2.43	3.09	3.69	4.25	4.74	5.18	5.56	5.88	-	-	-	-	-	-	-	-
5000	-	0.72	1.47	2.16	2.80	3.39	3.91	4.37	4.76	5.09	-	-	-	-	-	-	-	-	-
6000	-	-	-	0.30	0.77	1.14	-	-	-	-	-	-	-	-	-	-	-	-	-

"BX" GRIPNOTCH® BELTS

("Drive Ratio Correction" Must Be ADDED to Ratings Listed Below)

Table No.2

RPM of Smaller Sheave	SHEAVE DATUM DIAMETERS																		
	3.00	3.20	3.40	3.60	3.80	4.00	4.20	4.40	4.60	4.80	5.00	5.20	5.40	5.60	5.80	6.00	6.20	6.40	6.60
1450	3.31	3.71	4.09	4.48	4.86	5.23	5.60	5.97	6.33	6.69	7.04	7.48	7.96	8.43	8.90	9.36	9.83	10.28	10.74
1750	3.72	4.17	4.62	5.07	5.50	5.93	6.36	6.78	7.19	7.60	8.08	8.64	9.19	9.73	10.27	10.81	11.34	11.86	12.39
2900	4.83	5.48	6.12	6.74	7.35	7.94	8.52	9.08	9.68	10.48	11.27	12.04	12.79	13.53	14.25	14.95	15.64	16.31	16.96
3500	5.16	5.89	6.59	7.27	7.93	8.57	9.19	9.79	10.57	11.43	12.28	13.09	13.89	14.65	15.39	16.10	16.79	17.44	18.07
400	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**
600	**	**	**	**	**	**	**	**	**	**	**	**	**	**	4.33	4.51	4.73	4.95	5.16
800	**	**	**	**	**	**	**	3.87	4.09	4.32	4.54	4.77	4.99	5.21	5.48	5.76	6.04	6.32	6.60
1000	**	**	**	3.46	3.74	4.02	4.30	4.57	4.84	5.11	5.38	5.65	5.91	6.25	6.60	6.94	7.28	7.62	7.96
1200	2.93	3.27	3.60	3.93	4.26	4.58	4.90	5.22	5.53	5.85	6.15	6.46	6.85	7.25	7.66	8.05	8.45	8.85	9.24
1400	3.24	3.62	4.00	4.37	4.74	5.11	5.47	5.82	6.18	6.53	6.87	7.28	7.74	8.20	8.66	9.11	9.56	10.00	10.45
1600	3.52	3.95	4.37	4.78	5.19	5.59	5.99	6.38	6.77	7.16	7.56	8.07	8.59	9.10	9.60	10.10	10.60	11.09	11.58
1800	3.78	4.25	4.70	5.16	5.60	6.04	6.48	6.90	7.33	7.74	8.25	8.82	9.38	9.94	10.49	11.03	11.58	12.11	12.64
2000	4.02	4.52	5.02	5.50	5.99	6.46	6.93	7.39	7.84	8.28	8.90	9.52	10.12	10.72	11.32	11.90	12.48	13.06	13.62
2200	4.23	4.77	5.30	5.83	6.34	6.84	7.34	7.83	8.31	8.85	9.51	10.16	10.81	11.45	12.08	12.71	13.32	13.93	14.52
2400	4.43	5.00	5.57	6.12	6.66	7.20	7.72	8.23	8.74	9.37	10.07	10.76	11.45	12.12	12.79	13.44	14.08	14.72	15.34
2600	4.61	5.21	5.80	6.39	6.96	7.52	8.06	8.60	9.13	9.85	10.59	11.31	12.03	12.73	13.42	14.10	14.77	15.42	16.06
2800	4.76	5.40	6.02	6.63	7.22	7.81	8.38	8.93	9.50	10.28	11.05	11.81	12.55	13.28	13.99	14.69	15.37	16.04	16.69
3000	4.90	5.56	6.21	6.84	7.46	8.07	8.65	9.22	9.86	10.67	11.47	12.25	13.01	13.76	14.49	15.20	15.89	16.56	17.22
3200	5.02	5.71	6.38	7.03	7.67	8.29	8.89	9.48	10.17	11.01	11.83	12.63	13.41	14.17	14.91	15.62	16.32	16.99	17.64
3400	5.12	5.83	6.53	7.20	7.85	8.49	9.10	9.70	10.45	11.31	12.14	12.96	13.74	14.51	15.25	15.97	16.65	17.32	17.95
3600	5.20	5.94	6.65	7.34	8.01	8.65	9.27	9.87	10.67	11.55	12.40	13.22	14.01	14.78	15.51	16.22	16.89	17.54	18.15
3800	5.26	6.02	6.75	7.45	8.13	8.78	9.41	10.01	10.85	11.74	12.59	13.41	14.20	14.96	15.69	16.38	17.03	17.65	-
4000	5.31	6.08	6.82	7.54	8.22	8.88	9.51	10.10	10.98	11.87	12.73	13.54	14.32	15.07	15.77	16.44	17.06	-	-
4200	5.34	6.12	6.87	7.59	8.28	8.94	9.56	10.16	11.06	11.95	12.80	13.60	14.37	15.09	15.77	-	-	-	-
4400	5.34	6.14	6.90	7.63	8.32	8.97	9.59	10.21	11.09	11.97	12.80	13.59	14.33	15.02	-	-	-	-	-
4600	5.33	6.14	6.90	7.63	8.32	8.97	9.61	10.22	11.06	11.93	12.74	13.51	-	-	-	-	-	-	-
4800	5.30	6.11	6.88	7.60	8.29	8.96	9.59	10.18	10.98	11.83	12.61	-	-	-	-	-	-	-	-
5000	5.25	6.07	6.83	7.55	8.25	8.92	9.53	10.10	10.84	11.66	-	-	-	-	-	-	-	-	-
6000	4.71	5.54	6.30	7.00	7.61	8.16	-	-	-	-	-	-	-	-	-	-	-	-	-

** Belt speeds are very low. Other types of drives should be considered: consult Browning.

Horsepower Ratings of Single Belts

"B" SUPER GRIPBELT® BELTS

Table No. 1

("Drive Ratio Correction" Must Be ADDED to Ratings Listed Below)

RPM of Smaller Sheave	SHEAVE DATUM DIAMETERS											DRIVE RATIO CORRECTION								
	6.80	7.00	7.10	7.40	7.90	8.00	8.40	8.60	8.90	9.00	9.40	1.02-1.03	1.04-1.06	1.07-1.08	1.09-1.12	1.13-1.16	1.17-1.22	1.23-1.32	1.33-1.50	1.51 & UP
1450	9.43	9.85	10.06	10.68	11.69	11.89	12.68	13.06	13.63	13.82	14.57	0.08	0.16	0.24	0.32	0.40	0.48	0.56	0.64	0.72
1750	10.66	11.13	11.37	12.06	13.17	13.39	14.25	14.66	15.28	15.48	16.27	0.10	0.19	0.29	0.39	0.49	0.58	0.68	0.78	0.88
2900	13.12	13.62	13.86	14.54	15.55	15.73	16.40	-	-	-	-	0.16	0.32	0.48	0.64	0.81	0.97	1.13	1.29	1.45
3500	12.68	13.06	-	-	-	-	-	-	-	-	-	0.19	0.39	0.58	0.78	0.97	1.17	1.36	1.56	1.75
400	**	**	**	**	**	**	**	4.70	4.91	4.99	5.27	0.02	0.04	0.07	0.09	0.11	0.13	0.16	0.18	0.20
600	4.77	4.97	5.08	5.39	5.90	6.01	6.41	6.62	6.92	7.02	7.42	0.03	0.07	0.10	0.13	0.17	0.20	0.23	0.27	0.30
800	6.02	6.28	6.42	6.81	7.47	7.60	8.12	8.37	8.76	8.88	9.39	0.04	0.09	0.13	0.18	0.22	0.27	0.31	0.36	0.40
1000	7.17	7.49	7.65	8.13	8.91	9.06	9.68	9.98	10.44	10.59	11.18	0.06	0.11	0.17	0.22	0.28	0.33	0.39	0.44	0.50
1200	8.23	8.60	8.78	9.33	10.22	10.40	11.10	11.45	11.96	12.13	12.80	0.07	0.13	0.20	0.27	0.33	0.40	0.47	0.53	0.60
1400	9.20	9.61	9.81	10.42	11.41	11.61	12.38	12.76	13.32	13.51	14.24	0.08	0.16	0.23	0.31	0.39	0.47	0.54	0.62	0.70
1600	10.07	10.52	10.74	11.40	12.47	12.68	13.51	13.91	14.51	14.70	15.48	0.09	0.18	0.27	0.36	0.44	0.53	0.62	0.71	0.80
1800	10.85	11.33	11.56	12.26	13.39	13.61	14.47	14.89	15.51	15.71	16.50	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90
2000	11.52	12.02	12.27	12.99	14.16	14.39	15.27	15.69	16.31	16.52	17.30	0.11	0.22	0.33	0.44	0.56	0.67	0.78	0.89	1.00
2200	12.09	12.60	12.85	13.60	14.77	15.00	15.88	16.30	16.91	17.10	17.85	0.12	0.24	0.37	0.49	0.61	0.73	0.86	0.98	1.10
2400	12.54	13.06	13.31	14.06	15.22	15.45	16.30	16.70	17.27	17.45	18.14	0.13	0.27	0.40	0.53	0.67	0.80	0.93	1.07	1.20
2600	12.87	13.38	13.64	14.37	15.49	15.71	16.50	16.87	17.39	17.55	18.15	0.14	0.29	0.43	0.58	0.72	0.87	1.01	1.16	1.30
2800	13.07	13.57	13.82	14.52	15.58	15.77	16.49	16.82	-	-	-	0.16	0.31	0.47	0.62	0.78	0.93	1.09	1.25	1.40
3000	13.14	13.62	13.85	14.51	15.46	15.63	-	-	-	-	-	0.17	0.33	0.50	0.67	0.83	1.00	1.17	1.33	1.50
3200	13.07	13.52	13.73	14.32	-	-	-	-	-	-	-	0.18	0.36	0.53	0.71	0.89	1.07	1.24	1.42	1.60
3400	12.85	13.25	13.44	-	-	-	-	-	-	-	-	0.19	0.38	0.57	0.76	0.94	1.13	1.32	1.51	1.70
3600	12.48	-	-	-	-	-	-	-	-	-	-	0.20	0.40	0.60	0.80	1.00	1.20	1.40	1.60	1.80
3800	-	-	-	-	-	-	-	-	-	-	-	0.21	0.42	0.63	0.84	1.06	1.27	1.48	1.69	1.90
4000	-	-	-	-	-	-	-	-	-	-	-	0.22	0.45	0.67	0.89	1.11	1.33	1.55	1.78	2.00
4200	-	-	-	-	-	-	-	-	-	-	-	0.23	0.47	0.70	0.93	1.17	1.40	1.63	1.87	2.10
4400	-	-	-	-	-	-	-	-	-	-	-	0.24	0.49	0.73	0.98	1.22	1.47	1.71	1.96	2.20
4600	-	-	-	-	-	-	-	-	-	-	-	0.26	0.51	0.77	1.02	1.28	1.53	1.79	2.05	2.30
4800	-	-	-	-	-	-	-	-	-	-	-	0.27	0.53	0.80	1.07	1.33	1.60	1.87	2.13	2.40
5000	-	-	-	-	-	-	-	-	-	-	-	0.28	0.56	0.83	1.11	1.39	1.67	1.94	2.22	2.50
6000	-	-	-	-	-	-	-	-	-	-	-	0.33	0.67	1.00	1.33	1.67	2.00	2.33	2.67	3.00

"BX" GRIPNOTCH® BELTS

Table No.2

("Drive Ratio Correction" Must Be ADDED to Ratings Listed Below)

RPM of Smaller Sheave	SHEAVE DATUM DIAMETERS											DRIVE RATIO CORRECTION								
	6.80	7.00	7.10	7.40	7.90	8.00	8.40	8.60	8.90	9.00	9.40	1.03-1.07	1.08-1.13	1.14-1.21	1.22-1.30	1.31-1.44	1.45-1.64	1.65-2.01	2.02-3.00	3.01 - & Up
1450	11.19	11.64	11.86	12.53	13.62	13.83	14.69	15.11	15.73	15.94	16.76	0.09	0.19	0.28	0.37	0.46	0.56	0.65	0.74	0.84
1750	12.90	13.41	13.67	14.42	15.65	15.89	16.84	17.31	18.00	18.23	19.13	0.11	0.22	0.34	0.45	0.56	0.67	0.79	0.90	1.01
2900	17.60	18.22	18.52	19.39	20.75	21.01	21.98	-	-	-	-	0.19	0.37	0.56	0.74	0.93	1.12	1.30	1.49	1.67
3500	18.66	19.22	-	-	-	-	-	-	-	-	-	0.22	0.45	0.67	0.90	1.12	1.35	1.57	1.79	2.02
400	**	**	**	**	**	**	**	5.11	5.33	5.40	5.70	0.03	0.05	0.08	0.10	0.13	0.15	0.18	0.21	0.23
600	5.38	5.59	5.70	6.02	6.55	6.66	7.08	7.29	7.60	7.71	8.12	0.04	0.08	0.12	0.15	0.19	0.23	0.27	0.31	0.35
800	6.88	7.15	7.29	7.70	8.38	8.52	9.06	9.33	9.73	9.86	10.39	0.05	0.10	0.15	0.21	0.26	0.31	0.36	0.41	0.46
1000	8.29	8.63	8.79	9.29	10.11	10.27	10.92	11.25	11.73	11.88	12.52	0.06	0.13	0.19	0.26	0.32	0.38	0.45	0.51	0.58
1200	9.63	10.02	10.21	10.79	11.73	11.92	12.67	13.04	13.59	13.77	14.50	0.08	0.15	0.23	0.31	0.38	0.46	0.54	0.62	0.69
1400	10.89	11.32	11.54	12.19	13.25	13.46	14.30	14.71	15.32	15.52	16.32	0.09	0.18	0.27	0.36	0.45	0.54	0.63	0.72	0.81
1600	12.07	12.55	12.79	13.50	14.66	14.89	15.80	16.25	16.91	17.13	17.99	0.10	0.21	0.31	0.41	0.51	0.62	0.72	0.82	0.92
1800	13.17	13.69	13.95	14.71	15.96	16.21	17.17	17.65	18.35	18.58	19.48	0.12	0.23	0.35	0.46	0.58	0.69	0.81	0.92	1.04
2000	14.18	14.74	15.01	15.82	17.14	17.40	18.41	18.90	19.63	19.86	20.79	0.13	0.26	0.38	0.51	0.64	0.77	0.90	1.03	1.15
2200	15.11	15.69	15.98	16.83	18.19	18.45	19.49	19.99	20.73	20.97	21.91	0.14	0.28	0.42	0.56	0.71	0.85	0.99	1.13	1.27
2400	15.95	16.55	16.84	17.71	19.10	19.37	20.42	20.92	21.65	21.89	22.81	0.15	0.31	0.46	0.62	0.77	0.92	1.08	1.23	1.38
2600	16.69	17.30	17.60	18.48	19.88	20.15	21.18	21.67	22.38	22.61	23.48	0.17	0.33	0.50	0.67	0.83	1.00	1.17	1.33	1.50
2800	17.32	17.94	18.24	19.12	20.50	20.76	21.76	22.83	-	-	-	0.18	0.36	0.54	0.72	0.90	1.08	1.26	1.44	1.62
3000	17.85	18.46	18.76	19.63	20.96	21.21	-	-	-	-	-	0.19	0.38	0.58	0.77	0.96	1.15	1.35	1.54	1.73
3200	18.26	18.86	19.16	19.99	-	-	-	-	-	-	-	0.21	0.41	0.62	0.82	1.03	1.23	1.44	1.64	1.85
3400	18.56	19.14	19.42	-	-	-	-	-	-	-	-	0.22	0.44	0.65	0.87	1.09	1.31	1.53	1.74	1.96
3600	18.73	-	-	-	-	-	-	-	-	-	-	0.23	0.46	0.69	0.92	1.15	1.38	1.61	1.85	2.08
3800	-	-	-	-	-	-	-	-	-	-	-	0.24	0.49	0.73	0.97	1.22	1.46	1.70	1.95	2.19
4000	-	-	-	-	-	-	-	-	-	-	-	0.26	0.51	0.77	1.03	1.28	1.54	1.79	2.05	2.31
4200	-	-	-	-	-	-	-	-	-	-	-	0.27	0.54	0.81	1.08	1.35	1.61	1.88	2.15	2.42
4400	-	-	-	-	-	-	-	-	-	-	-	0.28	0.56	0.85	1.13	1.41	1.69	1.97	2.26	2.54
4600	-	-	-	-	-	-	-	-	-	-	-	0.30	0.59	0.89	1.18	1.47	1.77	2.06	2.36	2.65
4800	-	-	-	-	-	-	-	-	-	-	-	0.31	0.62	0.92	1.23	1.54	1.85	2.15	2.46	2.77
5000	-	-	-	-	-	-	-	-	-	-	-	0.32	0.64	0.96	1.28	1.60	1.92	2.24	2.56	2.88
6000	-	-	-	-	-	-	-	-	-	-	-	0.39	0.77	1.15	1.54	1.92	2.31	2.69	3.08	3.46

** Belt speeds are very low. Other types of drives should be considered: consult Browning.

B

Horsepower Ratings of Single Belts

"C" SUPER GRIPBELT® BELTS

("Drive Ratio Correction" Must Be ADDED to Ratings Listed Below)

Table No. 1

RPM of Smaller Sheave	SHEAVE DATUM DIAMETERS																		
	5.60	6.00	7.00	7.20	7.40	7.60	7.80	8.00	8.20	8.40	8.60	8.80	9.00	9.20	9.40	9.60	9.80	10.00	10.20
870	4.98	5.83	7.98	8.45	8.92	9.39	9.86	10.33	10.79	11.25	11.71	12.16	12.62	13.07	13.52	13.97	14.41	14.85	15.29
960	5.27	6.20	8.55	9.06	9.57	10.08	10.58	11.09	11.59	12.08	12.58	13.07	13.56	14.04	14.53	15.01	15.48	15.96	16.43
1160	5.85	6.93	9.69	10.29	10.88	11.46	12.05	12.62	13.20	13.77	14.33	14.89	15.45	16.00	16.55	17.10	17.64	18.17	18.70
1450	6.50	7.77	11.06	11.75	12.44	13.12	13.80	14.46	15.12	15.77	16.42	17.06	17.69	18.31	18.93	19.54	20.14	20.73	21.32
1750	6.94	8.38	12.09	12.86	13.62	14.37	15.11	15.84	16.56	17.27	17.96	18.65	19.32	19.98	20.62	21.26	21.88	22.49	23.09
300	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**
400	**	**	**	**	**	**	**	**	**	**	6.34	6.57	6.81	7.05	7.28	7.52	7.75	7.99	8.22
500	**	**	5.34	5.60	5.86	6.15	6.44	6.73	7.02	7.31	7.60	7.89	8.18	8.46	8.75	9.04	9.32	9.60	9.89
600	**	4.57	6.11	6.41	6.75	7.09	7.44	7.78	8.12	8.46	8.80	9.13	9.47	9.81	10.14	10.47	10.80	11.13	11.46
700	4.36	5.07	6.82	7.20	7.60	7.99	8.38	8.77	9.16	9.54	9.93	10.31	10.69	11.07	11.45	11.83	12.21	12.58	12.95
800	4.73	5.53	7.51	7.95	8.39	8.83	9.27	9.70	10.14	10.57	11.00	11.42	11.85	12.27	12.69	13.11	13.53	13.95	14.36
900	5.08	5.96	8.17	8.66	9.14	9.63	10.11	10.58	11.06	11.53	12.00	12.47	12.94	13.40	13.86	14.32	14.78	15.23	15.68
1000	5.40	6.35	8.79	9.32	9.85	10.37	10.89	11.41	11.93	12.44	12.95	13.46	13.96	14.46	14.96	15.45	15.94	16.43	16.91
1100	5.69	6.72	9.37	9.94	10.50	11.07	11.63	12.19	12.74	13.29	13.83	14.37	14.91	15.45	15.98	16.50	17.03	17.54	18.06
1200	5.95	7.06	9.90	10.51	11.12	11.72	12.31	12.91	13.49	14.08	14.65	15.23	15.80	16.36	16.92	17.48	18.03	18.57	19.11
1300	6.19	7.36	10.40	11.04	11.68	12.32	12.95	13.57	14.19	14.80	15.41	16.01	16.61	17.20	17.79	18.37	18.94	19.51	20.07
1400	6.40	7.64	10.85	11.53	12.20	12.87	13.53	14.18	14.83	15.47	16.10	16.73	17.35	17.96	18.57	19.17	19.76	20.35	20.93
1500	6.59	7.89	11.26	11.97	12.67	13.36	14.05	14.73	15.40	16.07	16.72	17.37	18.01	18.64	19.27	19.88	20.49	21.09	21.68
1600	6.75	8.10	11.62	12.36	13.09	13.81	14.52	15.22	15.91	16.60	17.27	17.94	18.60	19.24	19.88	20.51	21.13	21.73	22.33
1700	6.88	8.29	11.94	12.71	13.46	14.20	14.93	15.65	16.36	17.06	17.75	18.43	19.10	19.75	20.40	21.03	21.66	22.27	22.87
1800	6.99	8.45	12.22	13.00	13.77	14.53	15.28	16.02	16.74	17.45	18.15	18.84	19.52	20.18	20.83	21.46	22.08	22.69	23.28
1900	7.07	8.58	12.44	13.25	14.03	14.81	15.57	16.32	17.05	17.77	18.48	19.17	19.84	20.51	21.15	21.78	22.40	23.00	23.58
2000	7.12	8.67	12.62	13.44	14.24	15.03	15.80	16.55	17.29	18.01	18.72	19.41	20.08	20.74	21.38	22.00	22.60	23.18	23.75
2200	7.15	8.76	12.82	13.66	14.48	15.27	16.05	16.80	17.54	18.25	18.95	19.62	20.27	20.90	21.50	22.08	22.64	23.18	23.69
2400	7.06	8.72	12.81	13.65	14.47	15.26	16.02	16.76	17.47	18.16	18.82	19.45	20.05	20.63	21.17	21.69	22.18	22.64	23.06
2600	6.85	8.54	12.58	13.40	14.20	14.96	15.69	16.39	17.06	17.70	18.30	18.87	19.40	19.89	20.36	-	-	-	-
3000	6.05	7.72	11.38	12.12	12.82	13.47	14.07	14.63	15.14	-	-	-	-	-	-	-	-	-	-
3400	4.70	6.25	9.24	9.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3800	2.75	4.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4100	0.86	1.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

"CX" GRIPNOTCH® BELTS

("Drive Ratio Correction" Must Be ADDED to Ratings Listed Below)

Table No.2

RPM of Smaller Sheave	SHEAVE DATUM DIAMETERS																		
	5.60	6.00	7.00	7.20	7.40	7.60	7.80	8.00	8.20	8.40	8.60	8.80	9.00	9.20	9.40	9.60	9.80	10.00	10.20
870	8.57	9.34	11.20	11.56	11.93	12.29	12.65	13.00	13.36	13.71	14.06	14.44	14.90	15.37	15.83	16.29	16.75	17.20	17.66
960	9.24	10.06	12.07	12.46	12.85	13.24	13.62	14.01	14.39	14.76	15.14	15.61	16.11	16.62	17.11	17.61	18.10	18.60	19.09
1160	10.62	11.57	13.88	14.33	14.78	15.22	15.66	16.10	16.53	16.96	17.47	18.06	18.64	19.21	19.78	20.35	20.92	21.48	22.04
1450	12.44	13.56	16.24	16.76	17.28	17.79	18.29	18.78	19.28	19.83	20.52	21.19	21.86	22.52	23.18	23.83	24.48	25.11	25.74
1750	14.10	15.36	18.35	18.93	19.49	20.05	20.60	21.13	21.66	22.39	23.14	23.88	24.61	25.34	26.05	26.75	27.44	28.12	28.79
300	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**
400	**	**	**	**	**	**	**	**	**	**	7.58	7.76	7.95	8.14	8.33	8.51	8.74	8.97	9.21
500	**	**	7.24	7.47	7.71	7.94	8.17	8.40	8.63	8.86	9.09	9.31	9.54	9.76	10.00	10.29	10.58	10.86	11.15
600	**	6.99	8.38	8.65	8.92	9.19	9.46	9.72	9.99	10.26	10.52	10.78	11.04	11.32	11.66	12.00	12.34	12.68	13.01
700	7.25	7.89	9.46	9.77	10.08	10.38	10.68	10.99	11.29	11.58	11.88	12.18	12.49	12.87	13.26	13.65	14.03	14.41	14.80
800	8.04	8.75	10.50	10.84	11.18	11.52	11.86	12.19	12.52	12.85	13.18	13.51	13.93	14.36	14.79	15.22	15.65	16.08	16.51
900	8.80	9.58	11.49	11.87	12.24	12.61	12.98	13.34	13.70	14.06	14.42	14.83	15.31	15.79	16.26	16.74	17.21	17.67	18.14
1000	9.52	10.37	12.44	12.85	13.25	13.65	14.05	14.44	14.83	15.22	15.61	16.12	16.64	17.15	17.67	18.18	18.69	19.20	19.70
1100	10.22	11.13	13.35	13.79	14.22	14.65	15.07	15.49	15.91	16.32	16.79	17.35	17.90	18.46	19.01	19.56	20.10	20.65	21.18
1200	10.89	11.86	14.23	14.69	15.14	15.60	16.05	16.49	16.93	17.37	17.92	18.52	19.11	19.70	20.29	20.87	21.45	22.02	22.59
1300	11.53	12.56	15.06	15.55	16.03	16.51	16.98	17.45	17.91	18.37	19.00	19.63	20.26	20.88	21.50	22.11	22.72	23.32	23.91
1400	12.14	13.23	15.86	16.37	16.87	17.37	17.86	18.35	18.83	19.36	20.02	20.69	21.34	21.99	22.64	23.28	23.91	24.53	25.16
1500	12.74	13.88	16.62	17.15	17.67	18.19	18.70	19.21	19.71	20.30	20.99	21.68	22.36	23.04	23.71	24.37	25.02	25.67	26.31
1600	13.30	14.49	17.34	17.89	18.43	18.97	19.49	20.01	20.53	21.18	21.90	22.61	23.31	24.01	24.70	25.38	26.05	26.72	27.37
1700	13.84	15.08	18.03	18.59	19.15	19.70	20.24	20.77	21.30	22.00	22.74	23.47	24.20	24.91	25.62	26.32	27.00	27.68	28.34
1800	14.36	15.64	18.67	19.25	19.82	20.39	20.94	21.48	22.02	22.76	23.52	24.27	25.01	25.74	26.46	27.17	27.86	28.55	29.22
1900	14.85	16.17	19.28	19.87	20.46	21.03	21.59	22.14	22.68	23.46	24.24	25.00	25.75	26.49	27.22	27.93	28.63	29.32	29.99
2000	15.32	16.67	19.85	20.45	21.04	21.62	22.19	22.75	23.30	24.10	24.88	25.66	26.41	27.16	27.89	28.60	29.30	29.99	30.66
2200	16.18	17.59	20.87	21.49	22.10	22.71	23.30	23.88	24.44	25.17	25.97	26.74	27.50	28.24	28.97	29.67	30.35	31.02	31.66
2400	16.94	18.40	21.77	22.41	23.04	23.64	24.23	24.80	25.36	25.96	26.75	27.51	28.26	28.97	29.67	30.34	30.98	31.60	32.20
2600	17.60	19.08	22.55	23.18	23.80	24.39	24.96	25.51	26.04	26.55	27.22	27.95	28.65	29.32	29.97	-	-	-	-
3000	18.65	20.20	23.59	24.18	24.74	25.27	25.77	26.23	26.67	-	-	-	-	-	-	-	-	-	-
3400	19.34	20.84	23.91	24.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3800	19.59	20.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4100	19.45	20.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

** Belt speeds are very low. Other types of drives should be considered: consult Browning.

Horsepower Ratings of Single Belts

"C" SUPER GRIPBELT® BELTS

Table No. 1

("Drive Ratio Correction" Must Be ADDED to Ratings Listed Below)

RPM of Smaller Sheave	SHEAVE DATUM DIAMETERS											DRIVE RATIO CORRECTION								
	10.60	11.00	11.40	12.00	13.00	14.00	15.00	16.00	18.00	20.00	22.00	1.02-1.03	1.04-1.06	1.07-1.08	1.09-1.12	1.13-1.16	1.17-1.22	1.23-1.32	1.33-1.50	1.51 & UP
870	16.17	17.03	17.88	19.15	21.21	23.20	25.14	27.00	30.53	33.76	36.69	0.11	0.23	0.34	0.45	0.57	0.68	0.79	0.91	1.02
960	17.37	18.29	19.20	20.54	22.72	24.82	26.84	28.78	32.38	35.61	38.42	0.13	0.25	0.38	0.50	0.63	0.75	0.87	1.00	1.13
1160	19.75	20.78	21.79	23.27	25.64	27.88	29.99	31.96	35.46	38.33	-	0.15	0.30	0.45	0.60	0.76	0.91	1.06	1.21	1.36
1450	22.47	23.58	24.66	26.22	28.65	30.84	32.79	34.48	-	-	-	0.19	0.38	0.57	0.76	0.94	1.13	1.32	1.51	1.70
1750	24.24	25.35	26.39	27.86	30.00	31.76	-	-	-	-	-	0.23	0.46	0.68	0.91	1.14	1.37	1.59	1.82	2.05
300	**	**	**	8.06	8.95	9.82	10.69	11.55	13.25	14.92	16.56	0.04	0.08	0.12	0.16	0.20	0.23	0.27	0.31	0.35
400	8.68	9.15	9.61	10.29	11.43	12.55	13.65	14.75	16.91	19.01	21.07	0.05	0.10	0.16	0.21	0.26	0.31	0.36	0.42	0.47
500	10.45	11.01	11.57	12.39	13.76	15.11	16.44	17.75	20.31	22.79	25.20	0.07	0.13	0.20	0.26	0.33	0.39	0.46	0.52	0.59
600	12.12	12.77	13.42	14.38	15.96	17.51	19.04	20.54	23.45	26.25	28.93	0.08	0.16	0.23	0.31	0.39	0.47	0.55	0.63	0.70
700	13.70	14.43	15.16	16.24	18.02	19.76	21.46	23.12	26.32	29.36	32.22	0.09	0.18	0.27	0.36	0.46	0.55	0.64	0.73	0.82
800	15.18	15.99	16.80	17.99	19.94	21.84	23.69	25.48	28.90	32.09	35.03	0.10	0.21	0.31	0.42	0.52	0.63	0.73	0.83	0.94
900	16.57	17.46	18.33	19.62	21.73	23.76	25.72	27.62	31.18	34.42	37.32	0.12	0.23	0.35	0.47	0.59	0.70	0.82	0.94	1.05
1000	17.87	18.82	19.75	21.13	23.36	25.50	27.55	29.50	33.11	36.31	39.04	0.13	0.26	0.39	0.52	0.65	0.78	0.91	1.04	1.17
1100	19.08	20.08	21.06	22.51	24.83	27.05	29.15	31.12	34.70	37.72	40.15	0.14	0.29	0.43	0.57	0.72	0.86	1.00	1.15	1.29
1200	20.18	21.22	22.25	23.75	26.15	28.40	30.51	32.47	35.89	38.63	-	0.16	0.31	0.47	0.62	0.78	0.94	1.09	1.25	1.41
1300	21.18	22.26	23.31	24.85	27.28	29.54	31.62	33.51	36.68	-	-	0.17	0.34	0.51	0.68	0.85	1.02	1.18	1.35	1.52
1400	22.06	23.17	24.25	25.80	28.24	30.46	32.47	34.24	-	-	-	0.18	0.37	0.55	0.73	0.91	1.09	1.28	1.46	1.64
1500	22.84	23.96	25.04	26.60	29.00	31.15	33.03	34.63	-	-	-	0.20	0.39	0.59	0.78	0.98	1.17	1.37	1.56	1.76
1600	23.49	24.62	25.70	27.23	29.56	31.59	33.30	-	-	-	-	0.21	0.42	0.63	0.83	1.04	1.25	1.46	1.67	1.88
1700	24.03	25.14	26.20	27.69	29.91	31.77	-	-	-	-	-	0.22	0.44	0.67	0.89	1.11	1.33	1.55	1.77	1.99
1800	24.43	25.52	26.55	27.98	30.04	-	-	-	-	-	-	0.23	0.47	0.70	0.94	1.17	1.41	1.64	1.88	2.11
1900	24.70	25.75	26.73	28.07	29.93	-	-	-	-	-	-	0.25	0.50	0.74	0.99	1.24	1.49	1.73	1.98	2.23
2000	24.83	25.82	26.74	27.97	-	-	-	-	-	-	-	0.26	0.52	0.78	1.04	1.30	1.56	1.82	2.08	2.34
2000	24.64	25.49	-	-	-	-	-	-	-	-	-	0.29	0.57	0.86	1.15	1.43	1.72	2.00	2.29	2.58
2400	-	-	-	-	-	-	-	-	-	-	-	0.31	0.63	0.94	1.25	1.56	1.88	2.19	2.50	2.81
2600	-	-	-	-	-	-	-	-	-	-	-	0.34	0.68	1.02	1.35	1.69	2.03	2.37	2.71	3.05
3000	-	-	-	-	-	-	-	-	-	-	-	0.39	0.78	1.17	1.56	1.95	2.35	2.73	3.13	3.52
3400	-	-	-	-	-	-	-	-	-	-	-	0.44	0.89	1.33	1.77	2.21	2.66	3.10	3.54	3.98
3800	-	-	-	-	-	-	-	-	-	-	-	0.50	0.99	1.49	1.98	2.48	2.97	3.46	3.96	4.45
4100	-	-	-	-	-	-	-	-	-	-	-	0.53	1.07	1.60	2.14	2.67	3.21	3.74	4.27	4.80

"CX" GRIPNOTCH® BELTS

Table No.2

("Drive Ratio Correction" Must Be ADDED to Ratings Listed Below)

RPM of Smaller Sheave	SHEAVE DATUM DIAMETERS											DRIVE RATIO CORRECTION								
	10.60	11.00	11.40	12.00	13.00	14.00	15.00	16.00	18.00	20.00	22.00	1.03-1.07	1.08-1.13	1.14-1.21	1.22-1.30	1.31-1.44	1.45-1.64	1.65-2.01	2.02-3.00	3.01 - & Up
870	18.56	19.45	20.34	21.65	23.80	25.90	27.94	29.92	33.72	37.28	40.57	0.11	0.21	0.31	0.42	0.52	0.63	0.73	0.84	0.94
960	20.06	21.02	21.97	23.37	25.67	27.89	30.05	32.14	36.08	39.72	43.01	0.12	0.23	0.35	0.46	0.58	0.69	0.81	0.93	1.04
1160	23.14	24.23	25.30	26.88	29.43	31.87	34.20	36.41	40.47	44.01	-	0.14	0.28	0.42	0.56	0.70	0.84	0.98	1.12	1.26
1450	26.99	28.20	29.39	31.12	33.85	36.39	38.74	40.87	-	-	-	0.18	0.35	0.52	0.70	0.87	1.05	1.22	1.40	1.57
1750	30.10	31.37	32.58	34.32	36.98	39.31	-	-	-	-	-	0.21	0.42	0.63	0.84	1.06	1.27	1.48	1.69	1.90
300	**	**	**	8.80	9.70	10.58	11.46	12.34	14.06	15.76	17.43	0.04	0.07	0.11	0.14	0.18	0.22	0.25	0.29	0.33
400	9.68	10.15	10.62	11.31	12.46	13.60	14.73	15.85	18.05	20.21	22.33	0.05	0.10	0.14	0.19	0.24	0.29	0.34	0.39	0.43
500	11.72	12.29	12.86	13.70	15.10	16.48	17.84	19.18	21.82	24.39	26.90	0.06	0.12	0.18	0.24	0.30	0.36	0.42	0.48	0.54
600	13.68	14.35	15.01	15.99	17.61	19.21	20.78	22.33	25.36	28.29	31.11	0.07	0.14	0.22	0.29	0.36	0.43	0.51	0.58	0.65
700	15.56	16.31	17.06	18.17	20.01	21.81	23.57	25.31	28.67	31.89	34.96	0.08	0.17	0.25	0.34	0.42	0.51	0.59	0.68	0.76
800	17.35	18.19	19.02	20.26	22.28	24.36	26.20	28.09	31.73	35.18	38.41	0.10	0.19	0.29	0.39	0.48	0.58	0.68	0.77	0.87
900	19.07	19.98	20.89	22.24	24.43	26.58	28.66	30.68	34.54	38.12	41.43	0.11	0.22	0.33	0.43	0.54	0.65	0.76	0.87	0.98
1000	20.70	21.69	22.67	24.11	26.46	28.74	30.94	33.06	37.06	40.71	43.97	0.12	0.24	0.36	0.48	0.60	0.72	0.84	0.96	1.09
1100	22.25	23.30	24.34	25.87	28.36	30.74	33.03	35.23	39.29	42.90	46.02	0.13	0.27	0.40	0.53	0.66	0.80	0.93	1.06	1.19
1200	23.72	24.83	25.92	27.52	30.11	32.58	34.93	37.15	41.20	44.67	-	0.14	0.29	0.43	0.58	0.72	0.87	1.01	1.16	1.30
1300	25.09	26.25	27.39	29.06	31.72	34.25	36.62	38.84	42.77	-	-	0.16	0.31	0.47	0.63	0.78	0.94	1.10	1.25	1.41
1400	26.38	27.58	28.75	30.46	33.18	35.73	38.09	40.26	-	-	-	0.17	0.34	0.51	0.67	0.84	1.01	1.18	1.35	1.52
1500	27.57	28.80	30.00	31.74	34.48	37.01	39.32	41.40	-	-	-	0.18	0.36	0.54	0.72	0.90	1.08	1.27	1.45	1.63
1600	28.66	29.91	31.13	32.88	35.61	38.10	40.31	-	-	-	-	0.19	0.39	0.58	0.77	0.96	1.16	1.35	1.54	1.74
1700	29.65	30.91	32.13	33.88	36.57	38.96	-	-	-	-	-	0.21	0.41	0.62	0.82	1.03	1.23	1.43	1.64	1.85
1800	30.53	31.79	33.00	34.73	37.34	-	-	-	-	-	-	0.22	0.43	0.65	0.87	1.09	1.30	1.52	1.74	1.95
1900	31.30	32.55	33.74	35.43	37.92	-	-	-	-	-	-	0.23	0.46	0.69	0.92	1.15	1.37	1.60	1.83	2.06
2000	31.95	33.18	34.34	35.96	-	-	-	-	-	-	-	0.24	0.48	0.72	0.96	1.21	1.45	1.69	1.93	2.17
2200	32.89	34.03	-	-	-	-	-	-	-	-	-	0.27	0.53	0.80	1.06	1.33	1.59	1.86	2.12	2.39
2400	-	-	-	-	-	-	-	-	-	-	-	0.29	0.58	0.87	1.16	1.45	1.74	2.03	2.32	2.60
2600	-	-	-	-	-	-	-	-	-	-	-	0.31	0.63	0.94	1.25	1.57	1.88	2.19	2.51	2.82
3000	-	-	-	-	-	-	-	-	-	-	-	0.36	0.72	1.09	1.45	1.81	2.17	2.53	2.89	3.26
3400	-	-	-	-	-	-	-	-	-	-	-	0.41	0.82	1.23	1.64	2.05	2.46	2.87	3.28	3.69
3800	-	-	-	-	-	-	-	-	-	-	-	0.46	0.92	1.38	1.83	2.29	2.75	3.21	3.67	4.12
4100	-	-	-	-	-	-	-	-	-	-	-	0.50	0.99	1.48	1.98	2.47	2.97	3.46	3.95	4.45

** Belt speeds are very low. Other types of drives should be considered: consult Browning.

Horsepower Ratings of Single Belts

"D" SUPER GRIPBELT® AND GRIPNOTCH® BELTS

("Drive Ratio Correction" Must Be ADDED to Ratings Listed Below)

Table No. 1

RPM of Smaller Sheave	SHEAVE DATUM DIAMETERS														
	12.0"	13.0"	13.4"	13.8"	14.2"	14.6"	15.0"	15.4"	16.0"	17.0"	18.0"	19.0"	20.0"	21.0"	22.0"
580	17.5	20.4	21.5	22.7	23.8	24.9	26.1	27.2	28.8	31.5	34.2	36.8	39.4	41.9	44.3
700	19.7	23.0	24.3	25.7	27.0	28.3	29.5	30.8	32.7	35.7	38.7	41.6	44.5	47.2	49.9
870	22.2	26.1	27.7	29.2	30.7	32.1	33.6	35.0	37.1	40.5	43.8	46.9	49.9	52.8	55.5
1160	25.1	29.7	31.4	33.1	34.8	36.4	38.0	39.5	41.7	45.2	48.5	51.4	54.0	56.3	-
200	**	**	**	**	**	**	**	**	**	**	15.1	16.3	17.4	18.5	19.6
400	13.5	15.7	16.6	17.4	18.3	19.1	19.9	20.8	22.0	24.1	26.1	28.1	30.1	32.0	34.0
600	17.8	20.8	22.0	23.2	24.4	25.5	26.7	27.8	29.5	32.3	35.0	37.7	40.3	42.9	45.3
800	21.3	24.9	26.4	27.8	29.2	30.7	32.0	33.4	35.4	38.7	41.9	45.0	47.9	50.8	53.5
1000	23.8	28.0	29.7	31.3	32.9	34.4	36.0	37.5	39.7	43.2	46.6	49.7	52.7	55.4	57.9
1200	25.4	30.0	31.7	33.4	35.1	36.7	38.3	39.8	42.1	45.5	48.7	51.5	54.0	-	-
1400	26.0	30.7	32.5	34.2	35.8	37.4	38.9	40.3	42.3	45.4	-	-	-	-	-
1600	25.5	30.1	31.8	33.3	34.8	36.2	37.5	38.7	-	-	-	-	-	-	-
1800	23.9	28.0	29.5	-	-	-	-	-	-	-	-	-	-	-	-

** Belt Speeds are very low, other types of drives should be considered: consult Browning.

"D" SUPER GRIPBELT® AND GRIPNOTCH® BELTS

("Drive Ratio Correction" Must Be ADDED to Ratings Listed Below)

RPM of Smaller Sheave	SHEAVE DATUM DIAMETERS						DRIVE RATIO CORRECTION								
	23.0"	24.0"	25.0"	26.0"	27.0"	28.0"	1.02-1.05	1.06 - 1.11	1.12-1.18	1.19-1.26	1.27-1.38	1.39-1.57	1.58-1.94	1.95-2.99	3.00 & Up
580	46.7	49.1	51.4	53.6	55.8	57.9	.3	.7	1.1	1.4	1.7	2.0	2.2	2.4	2.4
700	52.4	54.9	57.3	59.6	61.8	63.9	.4	.9	1.3	1.7	2.1	2.4	2.7	2.9	2.9
870	58.1	60.4	62.7	64.7	66.6	68.3	.5	1.1	1.6	2.1	2.6	3.0	3.3	3.6	3.6
1160	-	-	-	-	-	-	.7	1.4	2.2	2.8	3.4	4.0	4.4	4.7	4.8
200	20.7	21.8	22.9	24.0	25.0	26.1	.1	.2	.4	.5	.6	.7	.8	.8	.8
400	35.9	37.8	39.6	41.5	43.3	45.1	.2	.5	.8	1.0	1.2	1.4	1.5	1.6	1.7
600	47.8	50.2	52.5	54.7	56.9	59.0	.3	.7	1.1	1.5	1.8	2.1	2.3	2.5	2.5
800	56.1	58.6	60.9	63.1	65.2	67.1	.4	1.0	1.5	2.0	2.4	2.7	3.1	3.3	3.3
1000	60.2	62.3	-	-	-	-	.6	1.2	1.9	2.4	3.0	3.4	3.8	4.1	4.1
1200	-	-	-	-	-	-	.7	1.5	2.3	2.9	3.5	4.1	4.6	4.9	5.0
1400	-	-	-	-	-	-	.8	1.7	2.6	3.4	4.1	4.8	5.3	5.7	5.8
1600	-	-	-	-	-	-	.9	2.0	3.0	3.9	4.7	5.5	6.1	6.5	6.6
1800	-	-	-	-	-	-	1.0	2.2	3.4	4.4	5.3	6.2	6.9	7.4	7.4

Horsepower Ratings of Single Belts

"3VX" GRIPNOTCH® BELTS

Table No. 1 **("Drive Ratio Correction" Must Be ADDED to Ratings Listed Below)**

RPM of Smaller Sheave	SHEAVE PITCH DIAMETERS														
	2.15	2.30	2.45	2.60	2.75	2.95	3.10	3.30	3.60	4.07	4.45	4.70	4.95	5.25	5.55
1160	**	**	**	**	**	**	2.10	2.34	2.68	3.22	3.65	3.93	4.21	4.55	4.88
1450	**	**	1.62	1.83	2.05	2.34	2.55	2.84	3.26	3.92	4.45	4.79	5.14	5.54	5.95
1750	1.37	1.63	1.89	2.15	2.41	2.75	3.01	3.34	3.85	4.63	5.25	5.65	6.05	6.53	7.01
2900	2.03	2.44	2.85	3.26	3.66	4.20	4.59	5.12	5.90	7.09	8.04	8.64	9.24	9.95	10.64
3500	2.33	2.81	3.30	3.78	4.25	4.88	5.34	5.96	6.86	8.24	9.31	10.01	10.68	11.47	12.24
600	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**
800	**	**	**	**	**	**	**	**	**	**	2.62	2.82	3.02	3.26	3.49
1000	**	**	**	**	**	**	**	**	2.35	2.82	3.20	3.44	3.69	3.98	4.27
1200	**	**	**	**	**	1.99	2.17	2.41	2.76	3.32	3.76	4.05	4.34	4.69	5.03
1400	**	**	**	1.78	1.99	2.27	2.48	2.75	3.17	3.80	4.31	4.65	4.98	5.37	5.77
1600	1.27	1.51	1.75	1.99	2.23	2.55	2.78	3.09	3.56	4.28	4.85	5.23	5.60	6.04	6.48
1800	1.40	1.67	1.94	2.20	2.47	2.82	3.08	3.43	3.94	4.74	5.38	5.79	6.20	6.69	7.18
2000	1.52	1.82	2.11	2.40	2.70	3.08	3.37	3.75	4.32	5.19	5.89	6.34	6.79	7.33	7.86
2200	1.64	1.96	2.28	2.60	2.92	3.34	3.65	4.07	4.68	5.63	6.39	6.88	7.37	7.94	8.51
2400	1.75	2.10	2.45	2.79	3.14	3.59	3.93	4.38	5.04	6.06	6.88	7.40	7.92	8.54	9.15
2600	1.86	2.24	2.61	2.98	3.35	3.84	4.20	4.68	5.39	6.48	7.35	7.91	8.46	9.12	9.76
2800	1.97	2.37	2.77	3.17	3.56	4.08	4.46	4.97	5.73	6.89	7.81	8.40	8.99	9.68	10.36
3000	2.08	2.50	2.93	3.35	3.76	4.31	4.72	5.26	6.06	7.29	8.26	8.88	9.50	10.22	10.93
3200	2.18	2.63	3.08	3.52	3.96	4.54	4.98	5.55	6.39	7.68	8.69	9.34	9.98	10.74	11.47
3400	2.28	2.75	3.23	3.69	4.16	4.77	5.22	5.82	6.70	8.05	9.11	9.79	10.45	11.23	11.99
3600	2.37	2.87	3.37	3.86	4.35	4.99	5.46	6.09	7.01	8.42	9.51	10.22	10.91	11.71	12.49
3800	2.47	2.99	3.51	4.02	4.53	5.20	5.70	6.35	7.31	8.77	9.90	10.63	11.34	12.16	12.96
4000	2.56	3.10	3.64	4.18	4.71	5.41	5.92	6.60	7.60	9.11	10.28	11.02	11.75	12.59	13.40
4400	2.73	3.32	3.90	4.48	5.05	5.80	6.36	7.09	8.15	9.75	10.98	11.76	12.51	13.37	14.19
4800	2.89	3.52	4.15	4.77	5.38	6.18	6.77	7.54	8.66	10.34	11.61	12.41	13.17	-	-
5200	3.03	3.71	4.38	5.03	5.68	6.53	7.15	7.96	9.13	10.87	12.17	12.98	-	-	-
5600	3.17	3.88	4.59	5.28	5.96	6.85	7.50	8.34	9.56	11.34	-	-	-	-	-
6000	3.29	4.04	4.78	5.51	6.22	7.14	7.82	8.69	9.94	11.74	-	-	-	-	-
7000	3.54	4.38	5.20	5.99	6.76	7.76	8.48	9.39	-	-	-	-	-	-	-
7500	3.63	4.51	5.36	6.18	6.98	7.99	8.72	9.65	-	-	-	-	-	-	-
8000	3.70	4.61	5.49	6.33	7.15	8.18	8.91	-	-	-	-	-	-	-	-

"3VX" GRIPNOTCH® BELTS

Table No. 2 **("Drive Ratio Correction" Must Be ADDED to Ratings Listed Below)**

RPM of Smaller Sheave	SHEAVE PITCH DIAMETERS					DRIVE RATIO CORRECTION								
	5.95	6.45	6.85	7.95	10.55	1.02 - 1.03	1.04 - 1.06	1.07 - 1.09	1.10 - 1.13	1.14 - 1.18	1.19 - 1.25	1.26 - 1.35	1.36 - 1.57	1.58 & Up
1160	5.32	5.86	6.30	7.47	10.13	0.02	0.04	0.05	0.07	0.09	0.11	0.13	0.15	0.16
1450	6.48	7.14	7.66	9.07	12.23	0.02	0.05	0.07	0.09	0.11	0.14	0.16	0.18	0.21
1750	7.63	8.40	9.01	10.64	14.22	0.03	0.06	0.08	0.11	0.14	0.17	0.19	0.22	0.25
2900	11.55	12.64	13.48	15.64	-	0.05	0.09	0.14	0.18	0.23	0.27	0.32	0.37	0.41
3500	13.23	14.41	15.30	-	-	0.05	0.11	0.16	0.22	0.28	0.33	0.39	0.44	0.50
600	2.93	3.23	3.47	4.13	5.63	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.08
800	3.81	4.20	4.51	5.36	7.30	0.01	0.03	0.04	0.05	0.06	0.08	0.09	0.10	0.11
1000	4.66	5.14	5.52	6.55	8.90	0.02	0.03	0.05	0.06	0.08	0.09	0.11	0.13	0.14
1200	5.48	6.04	6.49	7.69	10.43	0.02	0.04	0.06	0.08	0.09	0.11	0.13	0.15	0.17
1400	6.28	6.93	7.43	8.80	11.88	0.02	0.04	0.07	0.09	0.11	0.13	0.15	0.18	0.20
1600	7.06	7.78	8.35	9.87	13.25	0.03	0.05	0.08	0.10	0.13	0.15	0.18	0.20	0.23
1800	7.82	8.61	9.23	10.89	14.53	0.03	0.06	0.08	0.11	0.14	0.17	0.20	0.23	0.25
2000	8.55	9.41	10.08	11.87	15.72	0.03	0.06	0.09	0.13	0.16	0.19	0.22	0.25	0.28
2200	9.26	10.18	10.90	12.80	16.80	0.03	0.07	0.10	0.14	0.17	0.21	0.24	0.28	0.31
2400	9.95	10.92	11.68	13.68	-	0.04	0.08	0.11	0.15	0.19	0.23	0.26	0.30	0.34
2600	10.61	11.63	12.43	14.50	-	0.04	0.08	0.12	0.16	0.20	0.25	0.29	0.33	0.37
2800	11.24	12.31	13.14	15.27	-	0.04	0.09	0.13	0.18	0.22	0.26	0.31	0.35	0.40
3000	11.85	12.95	13.81	15.98	-	0.05	0.09	0.14	0.19	0.24	0.28	0.33	0.38	0.42
3200	12.42	13.56	14.44	-	-	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45
3400	12.97	14.14	15.02	-	-	0.05	0.11	0.16	0.21	0.27	0.32	0.37	0.43	0.48
3600	13.49	14.67	15.56	-	-	0.06	0.11	0.17	0.23	0.28	0.34	0.40	0.45	0.51
3800	13.97	15.16	-	-	-	0.06	0.12	0.18	0.24	0.30	0.36	0.42	0.48	0.54
4000	14.42	-	-	-	-	0.06	0.13	0.19	0.25	0.31	0.38	0.44	0.50	0.57
4400	-	-	-	-	-	0.07	0.14	0.21	0.28	0.35	0.42	0.48	0.55	0.62
4800	-	-	-	-	-	0.08	0.15	0.23	0.30	0.38	0.45	0.53	0.60	0.68
5200	-	-	-	-	-	0.08	0.16	0.24	0.33	0.41	0.49	0.57	0.65	0.74
5600	-	-	-	-	-	0.09	0.18	0.26	0.35	0.44	0.53	0.62	0.71	0.79
6000	-	-	-	-	-	0.09	0.19	0.28	0.38	0.47	0.57	0.66	0.76	0.85
7000	-	-	-	-	-	0.11	0.22	0.33	0.44	0.55	0.66	0.77	0.88	0.99
7500	-	-	-	-	-	0.12	0.24	0.35	0.47	0.59	0.71	0.83	0.94	1.06
8000	-	-	-	-	-	0.13	0.25	0.38	0.50	0.63	0.76	0.88	1.01	1.13

** Belt speeds are very low. Other types of drives should be considered: consult Browning.

B

Horsepower Ratings of Single Belts

"5V" SUPER GRIPBELT® BELTS

Table No. 1 **("Drive Ratio Correction" Must Be ADDED to Ratings Listed Below)**

RPM of Smaller Sheave	SHEAVE PITCH DIAMETERS																			
	7.00	7.10	7.40	7.50	7.90	8.10	8.40	8.70	8.90	9.10	9.15	9.50	9.65	10.20	10.80	11.10	11.20	11.70	12.40	12.50
1160	11.42	11.71	12.60	12.90	14.07	14.65	15.52	16.38	16.95	17.52	17.66	18.65	19.07	20.59	22.22	23.03	23.29	24.61	26.43	26.68
1450	13.59	13.95	15.01	15.36	16.76	17.45	18.47	19.49	20.16	20.82	20.99	22.14	22.62	24.38	26.26	27.17	27.48	28.97	31.00	31.28
1750	15.60	16.01	17.22	17.62	19.21	19.99	21.15	22.29	23.04	23.78	23.96	25.24	25.77	27.70	29.73	30.71	31.03	32.60	34.70	34.99
2900	20.65	21.16	22.66	23.14	25.00	25.89	27.16	-	-	-	-	-	-	-	-	-	-	-	-	-
3500	21.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300	**	**	**	**	**	**	**	**	**	7.68	8.27	8.36	8.86	9.37	9.54	10.37	10.87	11.20	11.37	13.33
400	**	**	**	**	**	**	**	6.58	6.81	7.04	7.09	7.49	7.66	8.27	8.94	9.28	9.39	9.94	10.71	10.82
500	5.63	5.77	6.19	6.33	6.90	7.18	7.60	8.01	8.29	8.57	8.64	9.12	9.33	10.08	10.90	11.31	11.44	12.12	13.06	13.19
600	6.58	6.75	7.25	7.42	8.08	8.41	8.91	9.40	9.73	10.05	10.13	10.70	10.95	11.83	12.79	13.27	13.43	14.22	15.32	15.48
700	7.51	7.70	8.28	8.47	9.23	9.61	10.18	10.74	11.12	11.49	11.58	12.23	12.51	13.53	14.62	15.17	15.35	16.25	17.50	17.68
800	8.41	8.62	9.27	9.49	10.34	10.77	11.41	12.04	12.46	12.88	12.99	13.72	14.03	15.16	16.39	17.00	17.20	18.21	19.60	19.80
900	9.28	9.52	10.24	10.47	11.42	11.89	12.60	13.30	13.76	14.23	14.34	15.15	15.49	16.74	18.10	18.76	18.99	20.09	21.62	21.83
1000	10.12	10.38	11.17	11.43	12.47	12.98	13.75	14.52	15.03	15.53	15.66	16.53	16.91	18.27	19.74	20.46	20.70	21.89	23.54	23.77
1100	10.94	11.22	12.07	12.36	13.48	14.04	14.87	15.70	16.24	16.79	16.92	17.87	18.27	19.74	21.31	22.09	22.34	23.62	25.37	25.62
1200	11.73	12.04	12.95	13.25	14.46	15.06	15.95	16.83	17.42	18.00	18.15	19.16	19.59	21.14	22.81	23.64	23.91	25.26	27.11	27.37
1300	12.49	12.82	13.80	14.12	15.40	16.04	16.99	17.93	18.55	19.17	19.32	20.39	20.84	22.49	24.25	25.11	25.40	26.81	28.75	29.02
1400	13.23	13.58	14.61	14.96	16.31	16.99	17.99	18.98	19.63	20.28	20.44	21.57	22.04	23.77	25.61	26.51	26.81	28.27	30.27	30.55
1500	13.94	14.31	15.40	15.76	17.19	17.90	18.95	19.98	20.67	21.35	21.52	22.69	23.19	24.98	26.89	27.82	28.13	29.64	31.69	31.97
1600	14.63	15.01	16.15	16.53	18.03	18.76	19.86	20.94	21.66	22.36	22.54	23.75	24.27	26.13	28.09	29.04	29.36	30.91	32.99	33.28
1700	15.28	15.68	16.87	17.27	18.83	19.59	20.73	21.85	22.59	23.32	23.50	24.76	25.29	27.20	29.20	30.18	30.50	32.07	34.16	34.45
1800	15.91	16.33	17.56	17.97	19.59	20.38	21.56	22.71	23.47	24.23	24.41	25.70	26.24	28.19	30.23	31.22	31.54	33.12	35.21	35.50
1900	16.51	16.94	18.22	18.64	20.31	21.13	22.34	23.52	24.30	25.07	25.26	26.58	27.13	29.11	31.16	32.15	32.48	34.05	36.12	36.40
2000	17.07	17.52	18.84	19.27	20.99	21.83	23.07	24.28	25.07	25.86	26.05	27.39	27.95	29.94	32.00	32.99	33.31	34.87	36.89	-
2200	18.11	18.58	19.97	20.42	22.21	23.09	24.37	25.62	26.44	27.24	27.44	28.79	29.36	31.35	33.38	34.33	34.64	-	-	-
2400	19.02	19.50	20.95	21.42	23.26	24.16	25.46	26.73	27.55	28.35	28.55	29.89	30.45	32.39	-	-	-	-	-	-
2600	19.78	20.28	21.76	22.24	24.11	25.02	26.33	27.59	28.40	29.18	29.37	30.68	-	-	-	-	-	-	-	-
2800	20.40	20.91	22.40	22.89	24.76	25.66	26.95	28.17	-	-	-	-	-	-	-	-	-	-	-	-
3000	20.86	21.38	22.87	23.35	25.19	26.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3200	21.16	21.67	23.14	23.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

"5VX" GRIPNOTCH® BELTS

Table No. 2 **("Drive Ratio Correction" Must Be ADDED to Ratings Listed Below)**

RPM of Smaller Sheave	SHEAVE PITCH DIAMETERS																			
	4.30	4.50	4.55	4.70	4.80	4.90	5.10	5.30	5.40	5.50	5.70	5.80	5.90	6.10	6.20	6.30	6.50	6.60	6.70	6.90
1160	5.90	6.54	6.71	7.19	7.51	7.83	8.46	9.10	9.42	9.73	10.36	10.68	10.99	11.62	11.93	12.24	12.86	13.17	13.48	14.10
1450	7.08	7.87	8.07	8.66	9.05	9.44	10.22	10.99	11.38	11.76	12.53	12.91	13.30	14.06	14.44	14.82	15.57	15.95	16.32	17.07
1750	8.23	9.16	9.40	10.09	10.55	11.02	11.93	12.85	13.30	13.75	14.66	15.11	15.56	16.45	16.89	17.34	18.22	18.66	19.10	19.97
2900	12.00	13.43	13.78	14.84	15.54	16.24	17.62	18.99	19.66	20.34	21.67	22.33	22.99	24.30	24.94	25.58	26.85	27.48	28.10	29.34
3500	13.57	15.20	15.61	16.82	17.62	18.41	19.98	21.53	22.29	23.05	24.54	25.28	26.01	27.46	28.17	28.87	30.26	30.94	31.62	32.95
300	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**
400	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**
500	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	6.69
600	**	**	**	**	**	**	**	**	**	**	**	6.00	6.17	6.51	6.68	6.85	7.20	7.37	7.54	7.88
700	**	**	**	**	**	**	5.48	5.88	6.08	6.28	6.67	6.87	7.07	7.47	7.66	7.86	8.25	8.45	8.65	9.04
800	4.33	4.78	4.90	5.24	5.47	5.70	6.15	6.60	6.83	7.05	7.50	7.73	7.95	8.40	8.62	8.85	9.29	9.51	9.73	10.18
900	4.78	5.29	5.41	5.80	6.05	6.30	6.81	7.31	7.57	7.82	8.32	8.57	8.82	9.31	9.56	9.81	10.31	10.55	10.80	11.29
1000	5.22	5.78	5.92	6.34	6.62	6.90	7.46	8.01	8.29	8.56	9.12	9.39	9.67	10.21	10.49	10.76	11.30	11.57	11.85	12.39
1100	5.65	6.26	6.41	6.87	7.18	7.48	8.09	8.70	9.00	9.30	9.90	10.20	10.50	11.09	11.39	11.69	12.28	12.58	12.87	13.46
1200	6.07	6.73	6.90	7.39	7.72	8.05	8.71	9.37	9.69	10.02	10.67	10.99	11.32	11.96	12.28	12.60	13.24	13.56	13.88	14.52
1300	6.48	7.19	7.37	7.91	8.26	8.62	9.32	10.03	10.38	10.73	11.42	11.77	12.12	12.81	13.16	13.50	14.19	14.53	14.87	15.55
1400	6.88	7.65	7.84	8.41	8.79	9.17	9.92	10.67	11.05	11.42	12.17	12.54	12.91	13.65	14.01	14.38	15.11	15.48	15.84	16.57
1500	7.28	8.09	8.29	8.90	9.30	9.71	10.51	11.31	11.71	12.10	12.89	13.29	13.68	14.47	14.86	15.25	16.02	16.41	16.80	17.57
1600	7.66	8.53	8.74	9.38	9.81	10.24	11.09	11.93	12.35	12.77	13.61	14.03	14.44	15.27	15.68	16.10	16.92	17.32	17.73	18.54
1800	8.42	9.37	9.61	10.32	10.80	11.27	12.21	13.15	13.61	14.08	15.00	15.46	15.92	16.84	17.29	17.74	18.65	19.10	19.55	20.44
2000	9.14	10.18	10.45	11.23	11.74	12.26	13.29	14.31	14.82	15.33	16.34	16.84	17.34	18.34	18.83	19.33	20.31	20.80	21.29	22.25
2200	9.83	10.96	11.25	12.09	12.66	13.22	14.33	15.44	15.99	16.53	17.62	18.17	18.71	19.78	20.31	20.84	21.90	22.42	22.95	23.99
2400	10.49	11.71	12.01	12.92	13.53	14.13	15.33	16.51	17.10	17.69	18.85	19.43	20.01	21.15	21.72	22.29	23.41	23.97	24.53	25.63
2600	11.12	12.42	12.75	13.72	14.36	15.00	16.28	17.54	18.16	18.79	20.03	20.64	21.25	22.46	23.06	23.66	24.85	25.44	26.03	27.19
2800	11.72	13.10	13.45	14.48	15.16	15.84	17.18	18.52	19.18	19.83	21.14	21.79	22.43	23.70	24.33	24.96	26.21	26.82	27.43	28.65
3000	12.28	13.75	14.11	15.20	15.91	16.63	18.04	19.44	20.14	20.83	22.19	22.87	23.54	24.87	25.53	26.18	27.48	28.12	28.75	30.01
3200	12.82	14.36	14.74	15.88	16.63	17.38	18.86	20.32	21.04	21.76	23.18	23.89	24.58	25.96	26.65	27.32	28.66	29.32	29.97	31.26
3400	13.33	14.93	15.33	16.52	17.30	18.08	19.62	21.14	21.89	22.63	24.11	24.83	25.55	26.98	27.68	28.38	29.75	30.42	31.09	32.41
3600	13.80	15.47	15.88	17.12	17.93	18.74	20.33	21.90	22.68	23.45	24.96	25.71	26.45	27.91	28.63	29.34	30.74	31.43	32.11	-
3800	14.23	15.97	16.40	17.67	18.51	19.35	20.99	22.61	23.41	24.20	25.75	26.52	27.27	28.76	29.49	30.22	31.64	-	-	-
4000	14.64	16.43	16.87	18.18	19.05	19.91	21.60	23.26	24.07	24.88	26.47	27.24	28.01	29.52	30.26	-	-	-	-	-
4200	15.00	16.85	17.30	18.65	19.54	20.42	22.15	23.84	24.67	25.49	27.10	27.89	28.67	-	-	-	-	-	-	-
4400	15.33	17.22	17.69	19.07	19.98	20.88	22.64	24.36	25.21	26.04	-	-	-	-	-	-	-	-	-	-
4600	15.62	17.56	18.03	19.45	20.37	21.29	23.08	24.82	-	-	-	-	-	-	-	-	-	-	-	-
4800	15.88	17.85	18.33	19.77	20.71	21.64	23.45	-	-	-	-	-	-	-	-	-	-	-	-	-
5000	16.09	18.09	18.59	20.04	20.99	21.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-

** Belt speeds are very low. Other types of drives should be considered: consult Browning.

Horsepower Ratings of Single Belts

"5V" SUPER GRIPBELT® BELTS

Table No. 1 **("Drive Ratio Correction" Must Be ADDED to Ratings Listed Below)**

RPM of Smaller Sheave	SHEAVE PITCH DIAMETERS											DRIVE RATIO CORRECTION								
	13.10	13.70	13.90	14.90	15.50	15.90	16.10	18.50	18.60	20.10	21.10	1.02-1.05	1.06-1.11	1.12-1.18	1.19-1.26	1.27-1.38	1.39-1.57	1.58-1.94	1.95-3.38	3.39-& UP
1160	28.20	29.68	30.17	32.55	33.93	34.83	35.28	40.27	40.47	43.24	44.94	0.11	0.30	0.53	0.72	0.87	1.02	1.15	1.26	1.33
1450	32.94	34.55	35.07	37.58	39.00	39.91	40.35	-	-	-	-	0.14	0.38	0.66	0.90	1.09	1.28	1.44	1.57	1.66
1750	36.67	38.25	38.75	-	-	-	-	-	-	-	-	0.17	0.46	0.80	1.09	1.32	1.55	1.74	1.90	2.01
2900	-	-	-	-	-	-	-	-	-	-	-	0.28	0.76	1.33	1.80	2.19	2.56	2.88	3.14	3.33
3500	-	-	-	-	-	-	-	-	-	-	-	0.34	0.92	1.60	2.18	2.64	3.09	3.48	3.79	4.01
300	13.41	14.63	15.43	-	-	-	-	-	-	-	-	0.03	0.08	0.14	0.19	0.23	0.26	0.30	0.32	0.34
400	11.48	12.13	12.35	13.43	14.07	14.50	14.71	17.24	17.35	18.90	19.93	0.04	0.10	0.18	0.25	0.30	0.35	0.40	0.43	0.46
500	13.99	14.79	15.05	16.36	17.14	17.66	17.92	20.97	21.10	22.96	24.19	0.05	0.13	0.23	0.31	0.38	0.44	0.50	0.54	0.57
600	16.41	17.34	17.65	19.18	20.08	20.68	20.98	24.51	24.65	26.79	28.20	0.06	0.16	0.27	0.37	0.45	0.53	0.60	0.65	0.69
700	18.74	19.80	20.14	21.87	22.89	23.57	23.91	27.85	28.01	30.39	31.93	0.07	0.18	0.32	0.44	0.53	0.62	0.70	0.76	0.80
800	20.98	22.15	22.53	24.44	25.57	26.31	26.68	30.99	31.16	33.72	35.38	0.08	0.21	0.37	0.50	0.60	0.71	0.80	0.87	0.92
900	23.12	24.39	24.81	26.88	28.10	28.90	29.29	33.89	34.08	36.78	38.50	0.09	0.24	0.41	0.56	0.68	0.79	0.89	0.97	1.03
1000	25.16	26.52	26.97	29.18	30.47	31.32	31.74	36.56	36.75	39.53	41.28	0.10	0.26	0.46	0.62	0.75	0.88	0.99	1.08	1.15
1100	27.09	28.54	29.01	31.33	32.68	33.57	34.01	38.96	39.16	41.95	43.69	0.11	0.29	0.50	0.68	0.83	0.97	1.09	1.19	1.26
1200	28.92	30.42	30.92	33.33	34.73	35.63	36.08	41.09	41.28	44.03	-	0.12	0.31	0.55	0.75	0.91	1.06	1.19	1.30	1.38
1300	30.62	32.18	32.69	35.16	36.58	37.50	37.95	42.91	43.10	-	-	0.13	0.34	0.59	0.81	0.98	1.15	1.29	1.41	1.49
1400	32.20	33.80	34.32	36.82	38.24	39.16	39.61	-	-	-	-	0.13	0.37	0.64	0.87	1.06	1.24	1.39	1.52	1.61
1500	33.65	35.27	35.79	38.29	39.70	40.60	41.03	-	-	-	-	0.14	0.39	0.69	0.93	1.13	1.32	1.49	1.62	1.72
1600	34.97	36.58	37.10	39.57	40.94	-	-	-	-	-	-	0.15	0.42	0.73	1.00	1.21	1.41	1.59	1.73	1.84
1700	36.14	37.74	38.25	-	-	-	-	-	-	-	-	0.16	0.45	0.78	1.06	1.28	1.50	1.69	1.84	1.95
1800	37.16	38.72	-	-	-	-	-	-	-	-	-	0.17	0.47	0.82	1.12	1.36	1.59	1.79	1.95	2.06
1900	-	-	-	-	-	-	-	-	-	-	-	0.18	0.50	0.87	1.18	1.43	1.68	1.89	2.06	2.18
2000	-	-	-	-	-	-	-	-	-	-	-	0.19	0.52	0.91	1.24	1.51	1.77	1.99	2.17	2.29
2200	-	-	-	-	-	-	-	-	-	-	-	0.21	0.58	1.10	1.37	1.66	1.94	2.19	2.38	2.52
2400	-	-	-	-	-	-	-	-	-	-	-	0.23	0.63	1.10	1.49	1.81	2.12	2.39	2.60	2.75
2600	-	-	-	-	-	-	-	-	-	-	-	0.25	0.68	1.19	1.62	1.96	2.30	2.58	2.82	2.98
2800	-	-	-	-	-	-	-	-	-	-	-	0.27	0.73	1.28	1.74	2.11	2.47	2.78	3.03	3.21
3000	-	-	-	-	-	-	-	-	-	-	-	0.29	0.79	1.37	1.87	2.26	2.65	2.98	3.25	3.44
3200	-	-	-	-	-	-	-	-	-	-	-	0.31	0.84	1.46	1.99	2.41	2.83	3.18	3.47	3.67

"5VX" GRIPNOTCH® BELTS

Table No. 2 **("Drive Ratio Correction" Must Be ADDED to Ratings Listed Below)**

RPM of Smaller Sheave	SHEAVE PITCH DIAMETERS											DRIVE RATIO CORRECTION								
	7.00	7.10	7.40	7.50	7.90	8.10	8.40	8.70	9.10	9.15	9.50	1.02 - 1.03	1.04 - 1.06	1.07 - 1.09	1.10 - 1.13	1.14 - 1.18	1.19 - 1.25	1.26 - 1.35	1.36 - 1.57	1.58-& Up
1160	14.40	14.71	15.63	15.93	17.15	17.75	18.65	19.55	20.74	20.89	21.92	0.09	0.19	0.28	0.37	0.46	0.56	0.65	0.74	0.84
1450	17.44	17.81	18.92	19.29	20.76	21.48	22.57	23.64	25.07	25.24	26.47	0.12	0.23	0.35	0.46	0.58	0.70	0.81	0.93	1.04
1750	20.41	20.84	22.13	22.56	24.26	25.10	26.35	27.59	29.23	29.43	30.84	0.14	0.28	0.42	0.56	0.70	0.84	0.98	1.12	1.26
2900	29.95	30.56	32.35	32.94	35.24	36.36	38.01	-	-	-	-	0.23	0.46	0.70	0.93	1.16	1.39	1.62	1.86	2.09
3500	33.60	-	-	-	-	-	-	-	-	-	-	0.28	0.56	0.84	1.12	1.40	1.68	1.96	2.24	2.52
300	**	**	**	**	**	**	**	**	**	**	**	0.02	0.05	0.07	0.10	0.12	0.14	0.17	0.19	0.22
400	**	**	**	**	**	**	**	7.55	8.01	8.07	8.47	0.03	0.06	0.10	0.13	0.16	0.19	0.22	0.26	0.29
500	6.83	6.98	7.40	7.55	8.12	8.40	8.82	9.25	9.81	9.88	10.37	0.04	0.08	0.12	0.16	0.20	0.24	0.28	0.32	0.36
600	8.05	8.22	8.72	8.89	9.56	9.90	10.40	10.90	11.57	11.65	12.23	0.05	0.10	0.14	0.19	0.24	0.29	0.34	0.38	0.43
700	9.23	9.43	10.01	10.21	10.98	11.37	11.94	12.52	13.28	13.38	14.04	0.06	0.11	0.17	0.22	0.28	0.34	0.39	0.45	0.50
800	10.40	10.62	11.28	11.50	12.37	12.81	13.46	14.10	14.97	15.07	15.82	0.06	0.13	0.19	0.26	0.32	0.38	0.45	0.51	0.58
900	11.54	11.78	12.52	12.76	13.73	14.21	14.94	15.66	16.61	16.73	17.56	0.07	0.14	0.22	0.29	0.36	0.43	0.50	0.58	0.65
1000	12.66	12.93	13.73	14.00	15.07	15.60	16.39	17.18	18.23	18.36	19.27	0.08	0.16	0.24	0.32	0.40	0.48	0.56	0.64	0.72
1100	13.76	14.05	14.92	15.22	16.38	16.95	17.81	18.67	19.81	19.95	20.93	0.09	0.18	0.26	0.35	0.44	0.53	0.62	0.70	0.79
1200	14.83	15.15	16.10	16.41	17.66	18.28	19.21	20.13	21.35	21.50	22.56	0.10	0.19	0.29	0.38	0.48	0.58	0.67	0.77	0.86
1300	15.89	16.23	17.24	17.58	18.92	19.58	20.57	21.56	22.86	23.03	24.16	0.10	0.21	0.31	0.42	0.52	0.62	0.73	0.83	0.94
1400	16.93	17.29	18.37	18.73	20.15	20.86	21.91	22.96	24.34	24.51	25.71	0.11	0.22	0.34	0.45	0.56	0.67	0.78	0.90	1.01
1500	17.95	18.33	19.47	19.85	21.36	22.10	23.22	24.32	25.78	25.96	27.23	0.12	0.24	0.36	0.48	0.60	0.72	0.84	0.96	1.08
1600	18.95	19.35	20.55	20.95	22.54	23.32	24.50	25.66	27.19	27.38	28.70	0.13	0.26	0.38	0.51	0.64	0.77	0.90	1.02	1.15
1800	20.88	21.33	22.65	23.09	24.82	25.68	26.96	28.22	29.89	30.09	31.53	0.14	0.29	0.43	0.58	0.72	0.86	1.01	1.15	1.30
2000	22.74	23.22	24.65	25.12	26.99	27.92	29.29	30.65	32.43	32.65	34.18	0.16	0.32	0.48	0.64	0.80	0.96	1.12	1.28	1.44
2200	24.50	25.02	26.55	27.05	29.05	30.03	31.49	32.93	34.81	35.04	36.65	0.18	0.35	0.53	0.70	0.88	1.06	1.23	1.41	1.58
2400	26.18	26.72	28.34	28.88	30.98	32.02	33.55	35.05	37.01	37.25	38.91	0.19	0.38	0.58	0.77	0.96	1.15	1.34	1.54	1.73
2600	27.76	28.33	30.03	30.59	32.79	33.86	35.45	37.01	39.02	39.27	40.97	0.21	0.42	0.62	0.83	1.04	1.25	1.46	1.67	1.87
2800	29.25	29.84	31.61	32.18	34.46	35.57	37.20	38.79	-	-	-	0.22	0.45	0.67	0.90	1.12	1.35	1.57	1.79	2.02
3000	30.63	31.24	33.06	33.66	35.99	37.12	-	-	-	-	-	0.24	0.48	0.72	0.96	1.20	1.44	1.68	1.92	2.16
3200	31.90	32.53	34.39	35.00	-	-	-	-	-	-	-	0.26	0.51	0.77	1.02	1.28	1.54	1.79	2.05	2.30
3400	33.06	33.71	-	-	-	-	-	-	-	-	-	0.27	0.54	0.82	1.09	1.36	1.63	1.91	2.18	2.45
3600	-	-	-	-	-	-	-	-	-	-	-	0.29	0.58	0.86	1.15	1.44	1.73	2.02	2.31	2.59
3800	-	-	-	-	-	-	-	-	-	-	-	0.30	0.61	0.91	1.22	1.52	1.83	2.13	2.43	2.74
4000	-	-	-	-	-	-	-	-	-	-	-	0.32	0.64	0.96	1.28	1.60	1.92	2.24	2.56	2.88
4200	-	-	-	-	-	-	-	-	-	-	-	0.34	0.67	1.01	1.34	1.68	2.02	2.35	2.69	3.02
4400	-	-	-	-	-	-	-	-	-	-	-	0.35	0.70	1.06	1.41	1.76	2.11	2.47	2.82	3.17
4600	-	-	-	-	-	-	-	-	-	-	-	0.37	0.74	1.10	1.47	1.84	2.21	2.58	2.95	3.31
4800	-	-	-	-	-	-	-	-	-	-	-	0.38	0.77	1.15	1.54	1.92	2.31	2.69	3.07	3.46
5000	-	-	-	-	-	-	-	-	-	-	-	0.40	0.80	1.20	1.60	2.00	2.40	2.80	3.20	3.60

** Belt speeds are very low. Other types of drives should be considered: consult Browning.

Horsepower Ratings of Single Belts

"8V" GRIPBELT® BELTS

Table No. 1 **("Drive Ratio Correction" Must Be ADDED to Ratings Listed Below)**

RPM of Smaller Sheave	SHEAVE PITCH DIAMETERS										
	12.30	13.00	13.80	14.80	15.80	16.80	17.80	18.80	19.80	21.00	22.20
725	30.48	33.85	37.65	42.34	46.94	51.47	55.91	60.27	64.54	69.55	74.42
870	35.00	38.88	43.24	48.58	53.81	58.90	63.87	68.70	73.39	78.82	84.04
960	37.57	41.73	46.39	52.09	57.63	63.01	68.21	73.24	78.09	83.66	88.93
1160	42.58	47.26	52.48	58.78	64.81	70.58	76.06	81.25	86.12	91.55	-
1450	47.98	53.14	58.78	65.42	71.58	77.24	-	-	-	-	-
1750	50.91	56.13	61.66	-	-	-	-	-	-	-	-
200	**	**	**	**	**	**	18.61	20.10	21.58	23.35	25.11
300	14.65	16.20	17.97	20.17	22.36	24.53	26.69	28.83	30.97	33.51	36.03
400	18.73	20.75	23.04	25.89	28.72	31.52	34.30	37.05	39.79	43.04	46.26
500	22.59	25.05	27.84	31.30	34.72	38.11	41.46	44.78	48.06	51.96	55.79
600	26.23	29.11	32.37	36.40	40.38	44.31	48.18	52.00	55.77	60.22	64.58
700	29.66	32.93	36.63	41.19	45.68	50.09	54.43	58.69	62.87	67.77	72.56
800	32.88	36.51	40.62	45.66	50.60	55.44	60.17	64.79	69.30	74.56	79.65
900	35.87	39.85	44.32	49.78	55.12	60.32	65.37	70.27	75.03	80.51	85.76
1000	38.65	42.92	47.71	53.55	59.22	64.70	69.99	75.08	79.97	85.56	90.82
1100	41.18	45.72	50.79	56.94	62.86	68.54	73.98	79.17	84.09	89.62	94.73
1200	43.46	48.23	53.53	59.92	66.02	71.82	77.31	82.47	87.30	-	-
1300	45.47	50.44	55.92	62.46	68.66	74.48	79.91	84.94	-	-	-
1400	47.21	52.32	57.92	64.55	70.75	76.49	-	-	-	-	-
1500	48.66	53.87	59.53	66.16	72.27	-	-	-	-	-	-
1600	49.80	55.06	60.72	67.26	-	-	-	-	-	-	-
1700	50.62	55.87	61.46	-	-	-	-	-	-	-	-
1800	51.11	56.29	-	-	-	-	-	-	-	-	-
1900	51.24	56.30	-	-	-	-	-	-	-	-	-
2000	51.00	-	-	-	-	-	-	-	-	-	-

** Belt speeds are very low. Other types of drives should be considered: consult Browning.

"8V" GRIPBELT® BELTS

Table No. 2 **("Drive Ratio Correction" Must Be ADDED to Ratings Listed Above)**

RPM of Smaller Sheave	DRIVE RATIO CORRECTION								
	1.02 - 1.05	1.06 - 1.11	1.12 - 1.18	1.19 - 1.26	1.27 - 1.38	1.39 - 1.57	1.58 - 1.94	1.95 - 3.38	3.39- and Up
725	0.34	0.93	1.62	2.20	2.66	3.12	3.51	3.83	4.05
870	0.41	1.11	1.94	2.64	3.20	3.74	4.21	4.59	4.86
960	0.45	1.23	2.14	2.91	3.53	4.13	4.65	5.07	5.37
1160	0.54	1.48	2.58	3.52	4.26	4.99	5.62	6.12	6.48
1450	0.68	1.85	3.23	4.40	5.33	6.24	7.02	7.65	8.10
1750	0.82	2.24	3.90	5.31	6.43	7.53	8.48	9.23	9.78
200	0.09	0.26	0.45	0.61	0.73	0.86	0.97	1.06	1.12
300	0.14	0.38	0.67	0.91	1.10	1.29	1.45	1.58	1.68
400	0.19	0.51	0.89	1.21	1.47	1.72	1.94	2.11	2.24
500	0.23	0.64	1.11	1.52	1.84	2.15	2.42	2.64	2.79
600	0.28	0.77	1.34	1.82	2.20	2.58	2.91	3.17	3.35
700	0.33	0.89	1.56	2.12	2.57	3.01	3.39	3.69	3.91
800	0.38	1.02	1.78	2.43	2.94	3.44	3.88	4.22	4.47
900	0.42	1.15	2.00	2.73	3.31	3.87	4.36	4.75	5.03
1000	0.47	1.28	2.23	3.03	3.67	4.30	4.84	5.28	5.59
1100	0.52	1.41	2.45	3.34	4.04	4.73	5.33	5.80	6.15
1200	0.56	1.53	2.67	3.64	4.41	5.16	5.81	6.33	6.71
1300	0.61	1.66	2.90	3.94	4.78	5.59	6.30	6.86	7.27
1400	0.66	1.79	3.12	4.24	5.14	6.03	6.78	7.39	7.82
1500	0.70	1.92	3.34	4.55	5.51	6.46	7.27	7.92	8.38
1600	0.75	2.04	3.56	4.85	5.88	6.89	7.75	8.44	8.94
1700	0.80	2.17	3.79	5.15	6.25	7.32	8.23	8.97	9.50
1800	0.84	2.30	4.01	5.46	6.61	7.75	8.72	9.50	10.06
1900	0.89	2.43	4.23	5.76	6.98	8.18	9.20	10.03	10.62
2000	0.94	2.56	4.46	6.06	7.35	8.61	9.69	10.55	11.18

Horsepower Ratings of Single Belts

"3L" and "4L" FHP Belts

Table No. 1 **("Drive Ratio Correction" Must Be ADDED to Ratings Listed Below)**

RPM of Smaller Sheave	"3L" Sheave Pitch Diameters										"4L" Sheave Pitch Diameters										
	1.25"	1.5"	1.75"	2.0"	2.5"	3.0"	3.5"	4.0"	4.5"	5.0"	1.25"	1.5"	2.0"	2.5"	3.0"	3.5"	4.0"	4.5"	5.0"	5.5"	6.0"
860	.06	.10	.14	.17	.25	.32	.36	.40	.43	.48	.06	.09	.19	.34	.50	.66	.81	.89	.97	1.04	1.11
1140	.07	.12	.16	.21	.30	.40	.45	.50	.54	.59	.07	.11	.22	.43	.65	.85	1.01	1.11	1.20	1.20	1.37
1720	.09	.15	.23	.29	.43	.55	.61	.67	.73	.78	.09	.14	.29	.60	.88	1.17	1.37	1.49	1.61	1.70	1.78
3450	.12	.22	.35	.47	.69	.86	.91	.92	.90	.84	.07	.14	.35	.86	1.32	1.73	1.98	1.99	1.93	1.79	-
200	-	-	-	-	-	-	-	-	-	.15	-	-	-	-	-	-	-	-	.28	.30	.34
400	-	-	-	-	-	-	.19	.22	.25	.26	-	-	.13	.18	.26	.32	.43	.49	.51	.55	.60
600	-	.09	.11	.13	.18	.25	.27	.30	.33	.36	.06	.08	.16	.25	.38	.48	.60	.67	.72	.78	.84
800	.06	.10	.13	.16	.23	.30	.34	.38	.41	.45	.06	.09	.18	.32	.48	.62	.76	.84	.91	.98	1.05
1000	.07	.11	.15	.19	.28	.35	.41	.45	.49	.53	.07	.10	.20	.39	.58	.76	.91	1.00	1.09	1.16	1.24
1200	.07	.12	.17	.22	.31	.41	.47	.52	.56	.61	.07	.11	.23	.45	.68	.88	1.05	1.15	1.24	1.33	1.42
1400	.08	.13	.19	.25	.36	.47	.52	.58	.64	.68	.08	.12	.25	.51	.76	1.00	1.18	1.29	1.39	1.48	1.58
1600	.08	.14	.21	.28	.40	.52	.58	.65	.70	.75	.08	.13	.28	.57	.84	1.10	1.31	1.42	1.53	1.63	1.72
1800	.09	.15	.24	.30	.44	.56	.64	.69	.75	.80	09	.14	.29	.61	.91	1.20	1.42	1.54	1.65	1.75	1.82
2000	.10	.16	.25	.33	.47	.61	.68	.75	.80	.84	.10	.15	.30	.66	.98	1.30	1.53	1.65	1.76	1.83	1.91
2200	.10	.17	.26	.35	.51	.66	.73	.79	.84	.88	.10	.16	.32	.70	1.04	1.38	1.63	1.75	1.83	1.91	1.97
2400	.10	.18	.28	.37	.54	.70	.77	.83	.87	.90	.10	.16	.33	.74	1.10	1.46	1.72	1.82	1.91	1.97	2.00
2600	.11	.19	.30	.39	.58	.73	.81	.86	.90	.92	.09	.17	.34	.77	1.15	1.52	1.79	1.89	1.96	1.99	1.99
2800	.11	.20	.32	.41	.61	.77	.84	.88	.91	.92	.09	.16	.34	.80	1.20	1.59	1.85	1.94	1.99	2.00	1.95
3000	.12	.20	.33	.43	.63	.80	.87	.90	.92	.92	.08	.16	.35	.82	1.25	1.64	1.91	1.97	2.00	1.97	1.89
3500	.12	.22	.35	.47	.70	.87	.91	.92	.90	.82	.07	.14	.35	.86	1.33	1.74	1.99	1.99	1.91	1.78	-
4000	.13	.23	.37	.50	.74	.90	.92	.89	.79	-	.04	.12	.33	.88	1.37	1.79	1.98	1.89	-	-	-
4500	.14	.23	.38	.53	.77	.92	.90	.79	-	-	.01	.10	.30	.88	1.37	1.76	1.88	-	-	-	-
5000	.13	.23	.39	.54	.79	.92	.82	-	-	-	-	.06	.25	.85	1.32	1.66	-	-	-	-	-
5500	.13	.22	.39	.54	.78	.88	.72	-	-	-	-	.01	.19	.79	1.22	1.51	-	-	-	-	-
6000	.12	.22	.38	.54	.77	.79	-	-	-	-	-	-	.11	.70	1.07	-	-	-	-	-	-
6500	.11	.20	.37	.52	.72	.72	-	-	-	-	-	-	.01	.56	.92	-	-	-	-	-	-
7000	.09	.19	.36	.49	.64	-	-	-	-	-	-	-	-	.39	-	-	-	-	-	-	-
7500	.06	.16	.33	.45	.54	-	-	-	-	-	-	-	-	.20	-	-	-	-	-	-	-
8000	.04	.12	.29	.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8500	.01	.08	.24	.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9000	-	.01	.18	.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

"5L" FHP BELTS

Table No. 2

RPM of Smaller Sheave	Sheave Pitch Diameters											
	2.2	2.5	3.0	3.4	3.9	4.4	4.9	5.4	5.9	6.4	6.9	7.4
860	.24	.31	.44	.68	.91	1.19	1.38	1.50	1.61	1.71	1.80	1.89
1140	.30	.37	.56	.84	1.14	1.48	1.72	1.85	1.96	2.07	2.17	2.27
1720	.36	.45	.71	1.07	1.52	1.95	2.26	2.39	2.50	2.59	2.68	2.71
3450	.28	.35	.67	1.21	1.84	2.36	2.56	2.30	-	-	-	-
200	-	-	-	-	-	-	-	-	.44	.51	.56	.60
400	.13	.16	.26	.43	.48	.59	.73	.80	.85	.91	.98	1.04
600	.19	.23	.34	.51	.68	.87	1.03	1.12	1.21	1.28	1.36	1.44
800	.23	.29	.42	.64	.86	1.12	1.31	1.41	1.52	1.62	1.72	1.80
1000	.27	.34	.50	.92	1.04	1.34	1.56	1.69	1.80	1.90	2.00	2.09
1200	.31	.38	.58	.92	1.19	1.53	1.79	1.91	2.03	2.14	2.24	2.33
1400	.33	.41	.64	96	1.33	1.71	1.99	2.12	2.23	2.34	2.44	2.53
1600	.35	.42	.69	1.03	1.45	1.86	2.17	2.29	2.41	2.51	2.60	2.66
1800	.36	.46	.72	1.10	1.56	2.01	2.32	2.44	2.55	2.64	2.69	2.73
2000	.38	.47	.76	1.15	1.65	2.12	2.45	2.57	2.66	2.71	2.73	2.71
2200	.38	.47	.77	1.19	1.72	2.23	2.57	2.66	2.72	2.73	2.69	2.65
2400	.37	.47	.78	1.22	1.78	2.31	2.65	2.72	2.73	2.69	2.55	2.45
2600	.37	.46	.78	1.25	1.83	2.37	2.71	2.73	2.69	2.55	2.42	2.22
2800	.36	.44	.77	1.26	1.86	2.41	2.73	2.70	2.60	2.42	2.22	-
3000	.33	.42	.75	1.25	1.88	2.42	2.71	2.63	2.46	2.22	-	-
3500	.27	.34	.66	1.21	1.82	2.34	2.53	2.26	-	-	-	-
4000	.18	.22	.52	1.08	1.64	2.08	2.22	-	-	-	-	-
4500	.04	.07	.32	.84	1.32	-	-	-	-	-	-	-
5000	-	-	.07	.48	.96	-	-	-	-	-	-	-

Ratings are not shown for belt speeds in excess of 5000 feet per minute. Drives requiring higher belt speeds should be referred to Browning.

How to Use These Tables

The basic horsepower rating for a "4L" belt on a drive in which the small sheave is 5.0 P.D. at 1720 RPM is 1.61 Horsepower. This value must be corrected by the correction Factor for Loss in Arc of Contact from Table No. 3, page B-27. For instance, if the other sheave in the drive is 11.0 P.D. and the center distance is 15.0", the loss in Arc of Contact is $\frac{(11.0 - 5.0)\ 57}{15.0}$ or 22.8°.

The correction factor is .94, therefore the corrected horsepower is 1.61 x .94 = 1.51 per belt.

DESIGN and INSTALLATION SUGGESTIONS

BROWNING GRIPBELT® "V" Drives are primarily intended for the trans¬mission of power with relatively high speed driving units. Their acceptance by industry covers a broad field of applications including installations on a wide variety of different types of equipment, including speed increasing drives, V-flat drives, quarter-turn drives, multiple shaft drives and conveyors. Many such applications are regularly being designed and installed using stock parts.

Experience has proven that most drive applications fall within the range of the Stock Drives as covered by the Gripbelt Drive Selection Tables and the Sheave and Belt specifications contained within this catalog. For drives not falling within this category, it is necessary to review and use the Gripbelt Drive Engineering Data. Unusual application should be referred to Browning.

Regardless of whether drives consist of stock or special items there are certain primary conditions to consider with respect to the design of satisfactory drives. Those most commonly encountered are:

1. Drives should always be installed with provision for center distance adjustment. This is essential, because an adjustment is necessary after the belt has set and seated properly in the groove of the sheave. If centers must be fixed, idlers should be used.
2. If possible, centers should not exceed 3 times the sum of the sheave diameters nor be less than the diameter of the large sheave.
3. If possible, the arc of contact of the belt on the smaller sheave should not be less than 120°.
4. Belt speeds with cast iron sheaves cannot exceed 6500 feet per minute. Another type of drive is usually more desirable for speeds under 1000 feet per minute.
5. Special or dynamic balance may need consideration for belt speeds exceeding 5000 feet per minute.
6. Full consideration and allowance for overload capacity in drives increases belt life and improves operation. Study the Overload Service Factors in this section carefully.
7. Severe temperature can have a major effect on belt life. There should be a full and free circulation of air around the drive. All drives operating in explosive atmospheres should be well grounded and use static conducting belts.

Watch these points particularly when installing drives:

1. Be sure that shafts are parallel and sheaves are in proper alignment. Check after eight hours of operation.
2. Do not drive sheaves on or off shafts. Be sure shaft and keyway are smooth and that bore and key are of correct size. Remove burrs by dressing lightly with finishing file. Wipe shaft, key and bore clean with oil. Tighten screws carefully. Recheck and re¬tighten after eight hours of operation.
3. Belts should never be forced over sheaves. More belts are broken from this cause than from actual failure in service. See Table No. 1.
4. In mounting belts, be sure that the slack in each and every belt is on the same side of the drive. This should be the slack side of the drive.
5. Belt tension should be reasonable. When in operation the tight side of belts should be in a straight line from sheave to sheave and with a slight bow on the slack side. Check belt tension after eight hours of operation. All drives should be inspected periodically to be sure belts are under proper tension and not slipping.

For more detailed tensioning instructions and an inexpensive tension checker, see page B-28.

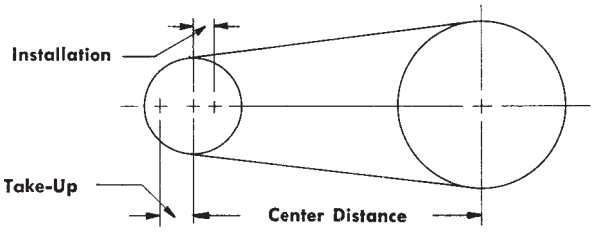
6. Do not install new sets of belts in drives where the sheaves have worn grooves. Such sheaves should be replaced with new sheaves to insure a proper fit of the belts in the grooves, thus elimination possibility of premature belt failure.
7. Keep belts clean. Do not use belt dressing.
8. When making replacement of belts on a drive, be sure to replace the entire set with a new set of matched belts. Failure to do this will probably result in premature breakage of new (and probably shorter) belts mixed with old ones.
10. Keep extra belts stored in a cool, dark, dry place.

Caution - Install guards according to local and national codes.

Minimum Center Distance Allowance for Belt Installation And Take-Up

Table No. 1

Belt No.	Allowance for Installation				Allowance for Initial Tensioning and Subsequent Take-Up
	A	**B**	**C**	**D**	**All Sections**
26 - 35	.8	1.0	-	-	1.0
38 - 55	.8	1.0	1.5	-	1.5
60 - 85	.8	1.3	1.5	-	2.0
90 - 112	1.0	1.3	1.5	-	2.5
120 - 144	1.0	1.3	1.5	2.0	3.0
158 - 180	-	1.3	2.0	2.0	3.5
195 - 210	-	1.5	2.0	2.0	4.0
240	-	1.5	2.0	2.5	4.5
220 - 300	-	1.5	2.0	2.5	5.0
330 - 390	-	-	2.0	2.5	6.0
420 and Over	-	-	2.3	3.0	1 1/2 % of Belt Length
	3V		**5V**	**8V**	**All Sections**
250 - 475	.5		-	-	1.0
500 - 700	.8		1.0	-	1.2
750 - 1060	.8		1.0	1.5	1.5
1120 - 1250	.8		1.0	1.5	1.8
1320 - 1700	.8		1.0	1.5	2.2
1800 - 2000	-		1.0	1.8	2.5
2120 - 2240	-		1.2	1.8	2.8
2360	-		1.2	1.8	3.0
2500 - 2650	-		1.2	1.8	3.2
2800 - 3000	-		1.2	1.8	3.5
3150	-		1.2	1.8	4.0
3350 - 3550	-		1.5	2.0	4.0
3750	-		-	2.0	4.5
4000 - 5000	-		-	2.0	5.5
5600	-		-	2.0	6.0



BASIC DRIVE SELECTION PROCEDURE

1. **Determine the Belt Section.**
   See Table No. 1, page B-26.
2. **Determine the Design Horsepower.**
   Design H.P. = Rated HP x Service Factor, Page B-25.
3. **Locate Driven Speed or Ratio required under the appropriate column in the Drive Selection Tables on Pages B-31 to B-204.**
   If the driver speed is one not in the Drive Selection Tables, divide the required driver speed by the driven speed to get the drive ratio, then locate this ratio in the Drive Selection Tables.

   $$\frac{\text{Driver Speed}}{\text{Driven Speed}} = \text{Ratio}$$

   (The ratio shown in the Drive Selection Tables is determined by the actual Pitch Diameter not the Datum Diameter. See page B-26 for Datum System explanation.)
4. **Determine from the Selections available, under the HP per Belt column, the sheave combination that will result in (a) the smallest sheave diameters, (b) the least number of belts.**
   For drive speeds not in the Drive Selection Tables, the HP per belt must be substituted from the Gripbelt Horsepower Tables on pages B-11 to B-22.
5. **Check Minimum and Maximum Number of Grooves columns to make sure the sheave combination is available in the number of grooves required.**
6. **Determine Belt Part Number for approximate Center Distance and the "F" factor for the Belt Length.**
   If the belt length to give the desired center distance is not shown in the tables it and its "F" factor can be determined by interpolation, see page B-26.
7. **Determine the Corrected Horsepower of the Drive.**

   Corrected HP = HP per Belt x "F" Factor x Number of Belts.

   This must be equal to or greater than the Design Horsepower from Step 1. If the Corrected HP does not meet the Design HP (HP x SF) repeat steps 4 through 7.
8. **Convert Sheave Selections to Part Numbers and List Drive Components.**
   Refer to Sheave Listings on pages A-11 to A-20 for Sheave Part Numbers.

NOTE:
Examples of a drive selection using the Drive Selection Tables with standard driver speeds are shown on pages B-29 and B-30.

An example of a drive selection using the Drive Selection Tables with ratio follows.

EXAMPLE:
A positive displacement pump drive is required using a 3 HP electric motor at 1750 RPM. Pump speed is 1150 RPM and will operate 8 hours per day. Motor shaft is 1 1/8 and pump shaft is 1 3/16. Center distance is 7.0 to 12.0".

1. **Determine the Belt Section.**
   From Table No. 1, page B-26, note that AX belts are indicated for 3 HP.
2. **Determine the Design Horsepower.**
   From the Service Factor Table, page B-25, note that the service factor is 1.2 for a positive displacement pump running 8-10 hours per day.
   3 (actual HP) x 1.2 Service Factor = 3.6 (design HP).
3. **Determine the Ratio required and locate the ratio under the Ratio Column in the Drive Selection Tables on Pages B-53.**

   $$\frac{\text{1750 (Driver Speed)}}{\text{1150 (Driven Speed)}} = \text{1.52 Ratio}$$
4. **Determine from the Selections the potential sheave combination that will result in the smallest sheave diameters and the least number of grooves.**

   From page B-53, under 1.52 ratio, Line 73, the 4.0" and 6.2" sheave combination is a good potential. This combination with a 1750 RPM motor has a HP per belt rating of 4.73 with a Gripnotch Belt.
5. **Check Minimum and Maximum Number of Grooves columns to make sure the sheave combination is available in the number of grooves required**.
   Under the Min. and Max. Groove Columns on page B-53, note that this sheave combination is available in 1 to 3 grooves.
6. **Determine Belt Part Number for approximate Center Distance and the "F" factor for the Belt Length.**
   From page B-53 find the center distance nearest 7.0 which is 8.6" for this sheave combination. Note that the belt number is A32 (add "X" for Gripnotch Belt).
7. **Determine the Corrected Horsepower of the Drive.**

   The "F" Factor for an AX32 belt is .82.

   4.73 (HP per Belt) x .82 ("F" Factor) = 3.88 Corrected Belt HP
8. **Convert Sheave Selections to Part Numbers and List Drive Components.**

   Refer to Sheave Listings on Pages A-11 for Sheave Part Numbers. Find that the part number for a 1 groove "A" sheave with a 4.0 Datum Diameter is AK44H and the sheave with a 6.2 Datum Diameter is AK66H.

   1, **AK44H** Driver Sheave
   1, **H-1 1/8** Bushing
   1, **AK66H** Driven Sheave
   1, **H-1 3/16** Bushing
   1, **AX32** Belt

Note: This example is to demonstrate the catalog drive selection procedure only. For options of drive selection use the EPT® Edge™ drive selection software.

OVERLOAD SERVICE FACTORS

Load and operating characteristics of both the Driving and Driven Units must be considered thoroughly in the selection of Browning Gripbelt® Drives. It is essential that all drives be designed for maximum load conditions to be encountered.

Most drives will at some time be overloaded, perhaps only momentarily. It is good practice to have predetermined drive capacity to handle this overload. This predetermined drive capacity is insurance against breakdowns due to premature belt failure. The use of an extra belt will pay for itself many times over by increasing the life of all the belts more than the proportionate cost of the extra belt.

For good design and satisfactory drive life all drives must be selected with careful consideration to two fundamental conditions:

1. The Motor must have greater capacity than the Driven Unit.
2. The Drive must have greater capacity than the Motor.

A careful consideration of Overload Service Factors for various types of Driven Units, Drivers, Type of Starting, Frequency of Maintenance and other drive conditions is extremely important for satisfactory performance and life.

The following are suggested Overload Service Factors for various typical driven units:

Table No. 1

Suggested Overload Service Factors for Typical Applications

TYPES OF DRIVEN MACHINES	TYPES OF DRIVING UNITS					
	AC Motors; Normal Torque, Squirrel cage, Syschronous and Split Phase. DC Motors; Shunt Wound. Multiple Cylinder Internal Combustion Engines.			AC Motors; High Torque, High Slip, Repulsion-Induction, Single Phase, Series Wound and Slip Ring. DC Motors; Series Wound and Compound Wound. Single Cylinder Internal Combustion Engines. Line Shafts. Clutches.		
	Intermittent Service (3-5 Hours Daily or Seasonal)	Normal Service (8-10 Hours Daily)	Continuous Service (16-24 Hours Daily)	Intermittent Service (3-5 Hours Daily or Seasonal)	Normal Servlce (8-10 Hours Daily)	Continuous Service (16-24 Hours Daily)
Agitators for Liquids Blowers and Exhausters Centrifugal Pumps and Compressors Fans up to 10 HP Light Duty Conveyors	1.0	1.1	1.2	1.1	1.2	1.3
Belt Conveyors For Sand, Grain, etc. Dough Mixers Fans Over 10 HP Generators Line Shafts Laundry Machinery Machine Tools Punches-Presses-Shears Printing Machinery Positive Displacement Rotary Pumps Revolving and Vibrating Screens Speed Reducers, All Types	1.1	1.2	1.3	1.2	1.3	1.4
Brick Machinery Bucket Elevators Exciters Piston Compressors Conveyors (Drag-Pan-Screw) Hammer Mills Paper Mill Beaters Piston Pumps Positive Displacement Blowers Pulverizers Saw Mill and Woodworking Machinery Textile Machinery	1.2	1.3	1.4	1.4	1.5	1.6
Crushers (Gyratory-Jaw-Roll) Mills (Ball-Rod-Tube) Hoists Rubber Calenders-Extruders.Mills	1.3	1.4	1.5	1.5	1.6	1.8

A minimum Service Factor of 2.0 is suggested for equipment subject to choking.*

* CAUTION — Drives requiring high Overload Service Factors, such as crushing machinery, certain reciprocating compressors, etc. subjected to heavy shock load without suitable fly wheels, may need heavy duty web type sheaves rather than standard arm type. For any such application, consult Browning.

Datum System

In December, 1987, RMA/MPTA adopted Standard IP20-1988. This standard supersedes IP20-1977 and affected the A, B, C, and D belts and sheaves. Those products in this catalog are in accordance with IP20-1988 which incorporates the Datum Diameter System.

The Datum System specifies the Datum Diameter as the effective diameter for determining the pitch length of the belt for center distance calculation. In this catalog, Datum Diameter (D.D.) is now listed for the A, B, C, and D sheaves and is equal to the old Pitch Diameter (P.D.) shown in previous catalogs.

Belt Velocity

Belt velocity is not needed for calculation of drives, as the horsepower ratings shown are based on the R.P.M. of the sheave. If belt velocity is desired for any reason, use the formula:

Belt Velocity in Feet per Minute (FPM) =

D.D. or P.D. of Sheave x .2618 x Speed of Sheave (RPM)

CAST IRON SHEAVES MUST NOT BE USED BEYOND 6500 FPM BELT SPEED. Since the majority of stock sheaves are made of cast iron, we list no ratings above 6500 FPM.

Some types of belts lose ratings before they reach 6500 FPM and other types continue to increase beyond 6500 FPM. The Basic Rating Tables and the Drive Selection Tables reflect these variations.

Special Balance

Functionally, speeds up to 6500 FPM are acceptable; however, on applications where vibration requirements are critical, special balancing (usually dynamic) for speeds above 5000 FPM may be considered. Factors to be considered for special balance requirements are: rigidity of drive mounting, whether noise created by a level of vibration would be prohibitive, etc. Many drives are in service running at speeds up to 6500 FPM without special balancing.

Center Distance and Belt Length

The Belts Lengths listed in the Drive Selection Tables can be interpolated for belt size, center distance and "F" factor from the shortest to the longest shown.

Interpolation

For every inch of belt length difference there is approximately 1/2 inch center distance change. All belt numbers reflect a relation if it is Pitch Length, Outside Length or Inside Length. An A26 belt is 2" longer than an A24 belt; a B105 belt is 15" longer than a B90 belt; a 3V335 belt is 8.5" longer than a 3V250 belt, etc.

Interpolation Example:

If an A128 belt gives 50.0" C.D. with 1.12 "F" factor and an A96 gives 34.0 C.D. with 1.05 "F" factor, then an A112 belt gives 42.0 C.D. with 1.09 "F" factor.

If a 5V1200 belt gives 83.1" C.D. with 1.07 "F" factor and a 5V1600 gives 63.1 C.D. with 1.03 "F" factor, then a 5V1800 belt gives 73.1 C.D. with 1.05 "F" factor.

Center Distance and Belt Lengths determined by interpolation are usually close enough as all drives should provide for take-up as indicated on page B-25. If closer calculation is necessary for any reason use the following formula:

$$L = 2C + 1.57\,(D + d) + \frac{(D - d)^2}{4C}$$

where:

L = Pitch Length of Belt
C = Center Distance
D = Datum or Pitch Diameter of Large Sheave
d = Datum or Pitch Diameter of Small Sheave

Driven Speed Variations

All V-Belt Drives will vary slightly from the speeds shown in the Drive Selection Tables. These variations are due to different motor speeds depending on load, changing frequencies (on A.C. Motors) or voltage (on D.C. Motors), varying tensions and resulting slip, and allowable manufacturing tolerances in belts and sheaves. Also, actual sheave pitch diameters and actual belt pitch lines have been changed slightly over the years by all manufactures but catalog data has not been changed to reflect this.

The Drive Selection Tables are still very usable and ratios still can be calculated from published sheave pitch or datum diameters since the variations are small and historically have caused very few problems through out the vast range of V-Belt Drive applications. A good rule of thumb is to design a belt drive based on ±3% speed variation.

In the few instances where very close speed tolerances are required, contact Browning for assistance or use the Browning EDGE® Selection Program.

Speed-Up, Quarter-Turn, and V-Flat Drives

These drives occur infrequently and should be referred to Browning for special design considerations.

Table No. 1 **Belt Section Selection Chart**

HP	Belt Section			
1/2	A	AX		
3/4	A	Ax		
1	A	AX		
1 1/2	A	AX		
2	A	AX		
3	AX	A	BX	
5	BX	AX	B	A
7 1/2	BX	AX	B	3VX
10	BX	B	AX	3VX
15	BX	3VX	AX	B
20	BX	3VX	B	
25	5VX,5V	3VX	B	
30	5VX,5V	3VX	B	
40	5VX,5V	B	3VX	
50	5VX,5V	BX	B	CX
60	5VX,5V	BX	B	CX
75	5VX,5V	CX	BX	C
100	5VX,5V	CX	C	
125	5VX,5V	CX	C	
150	5VX,5V	CX	C	
200	5VX,5V	CX		
250	5VX,5V	CX		

Best Drive will usually be found by using Belt Section from the first column, If, for any reason, such as sheave shortage, this drive is not suitable, go to the next column.

"AX" drives are found in the "A" Drive Selection Tables; "BX" in the "B" Tables. etc.

The Correction Factors shown on this page are incorporated in the pre-engineered Drive Selection Tables on pages B-31 to B-204. This and the other information on this page is included for technical support in figuring non-standard drives.

Correction Factor for Belt Length

Table No. 1

Longer belts have greater Horsepower ratings because of less frequent flexure around sheaves.

Multiply H.P. ratings by appropriate factor from table below to get final corrected Horsepower.

Gripbelts

Nominal Length	A	B	C	Nominal Length	A	B	C	D	E
26	.81	—	—	90	1.06	1.00	.91	—	—
31	.84	—	—	93	—	1.01	—	—	—
32	.85	—	—	96	1.08	1.02	.92	—	—
33	.86	—	—	97	—	1.02	—	—	—
34	.86	—	—	99	—	1.02	—	—	—
35	.87	.81	—	100	—	1.03	—	—	—
36	.87	—	—	103	—	1.03	—	—	—
37	.88	—	—	105	1.10	1.04	.94	—	—
38	.88	.83	—	108	—	1.04	—	—	—
42	.90	.85	—	109	—	—	.94	—	—
43	.90	—	—	110	1.11	—	—	—	—
46	.92	.87	—	112	1.11	1.05	.95	—	—
48	.93	.88	—	115	—	—	.96	—	—
50	—	.89	—	116	—	1.06	—	—	—
51	.94	.89	.80	120	1.13	1.07	.97	.86	—
52	—	.89	—	124	—	1.07	—	.87	—
53	.95	.90	—	128	1.14	1.08	.98	—	—
54	.95	.90	—	133	—	1.08	—	—	—
55	.96	.90	—	136	1.15	1.09	.99	—	—
56	.96	.90	—	144	1.16	1.11	1.00	.90	.88
58	.97	.91	—	150	—	1.12	1.01	—	—
59	—	.91	—	158	1.17	1.13	1.02	.92	—
60	.98	.92	.82	162	—	1.13	1.03	.92	—
61	—	.92	—	173	1.18	1.15	1.04	.93	—
62	.99	.93	—	180	1.19	1.16	1.05	.94	.91
63	—	.93	—	195	—	1.18	1.07	.96	.92
64	.99	.93	—	210	—	1.19	1.08	.96	.94
65	—	.94	—	225	—	1.20	1.09	.98	.95
66	1.00	.94	—	240	—	1.22	1.11	1.00	.96
67	—	.94	—	255	—	1.23	1.12	1.01	—
68	1.00	.95	.85	270	—	1.25	1.14	1.03	.99
70	1.01	.95	—	285	—	1.26	1.15	1.04	—
71	1.01	.95	—	300	—	1.27	1.16	1.05	1.01
75	1.02	.97	.87	315	—	1.28	1.17	1.06	—
77	—	.98	—	330	—	—	1.19	1.07	1.03
78	1.03	.98	—	345	—	—	1.20	1.08	—
79	—	.98	—	360	—	1.31	1.21	1.09	1.05
80	1.04	.98	—	390	—	—	1.23	1.11	1.07
81	—	.98	.89	420	—	—	1.24	1.12	1.09
82	—	.99	—	480	—	—	—	1.16	1.12
83	—	.99	—	540	—	—	—	1.18	1.14
85	1.05	.99	.90	600	—	—	—	1.20	1.17
88	—	1.00	—						

Table No. 2

Belt length	Cross Section 3V	5V	8V	Belt length	Cross Section 3V	5V	8v
25.0	.83	-	-	112.0	1.11	0.98	.88
26.5	.84	-	-	118.0	1.12	0.99	.89
28.0	.85	-	-	125.0	1.13	1.00	.90
30.0	.86	-	-	132.0	1.14	1.01	.91
31.5	.87	-	-	140.0	1.15	1.02	.92
33.5	.88	-	-	150.0	-	1.03	.93
35.5	.89	-	-	160.0	-	1.04	.94
37.5	.91	-	-	170.0	-	1.05	.95
40.0	.92	-	-	180.0	-	1.06	.95
42.5	.93	-	-	190.0	-	1.07	.96
45.0	.94	-	-	200.0	-	1.08	.97
47.5	.95	-	-	212.0	-	1.09	.98
50.0	.96	.85	-	224.0	-	1.09	.98
53.0	.97	.86	-	236.0	-	1.10	.99
56.0	.98	.87	-	250.0	-	1.11	1.00
60.0	.99	.88	-	265.0	-	1.12	1.01
63.0	1.00	.89	-	280.0	-	1.13	1.02
67.0	1.01	.90	-	300.0	-	1.14	1.03
71.0	1.02	.91	-	315.0	-	1.15	1.03
75.0	1.03	.92	-	335.0	-	1.16	1.04
80.0	1.04	.93	-	355.0	-	1.17	1.05
85.0	1.06	.94	-	375.0	-	-	1.06
90.0	1.07	.95	-	400.0	-	-	1.07
95.0	1.08	.96	-	425.0	-	-	1.08
100.0	1.09	.96	.87	450.0	-	-	1.09
106.0	1.10	.97	.88				

Correction Factor for Loss in Arc of Contact

Table No. 3

Arc of Contact BETWEEN BELTS and Small Sheaves

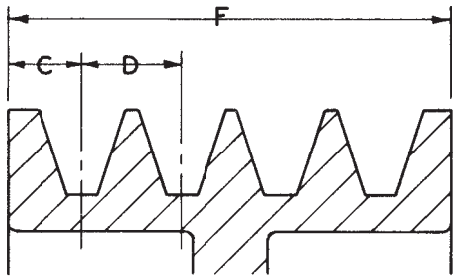
The loss in arc of contact from 180° for different drives can be determined in the following manner:

$$\text{Loss in Arc of Contact (in degrees)} = \frac{(D - d)\ 57}{C}$$

The Correction Factors for loss in arc of contact in degrees are:

Loss in Arc of Contact	Correction Factor	Loss in Arc of Contact	Correction Factor
0°	1.00	50°	.86
5°	.99	55°	.84
10°	.98	60°	.83
15°	.96	65°	.81
20°	.95	70°	.79
25°	.93	75°	.76
30°	.92	80°	.74
35°	.90	85°	.71
40°	.89	90°	.69
45°	.87		

Sheave Dimensions



$$F = D\,(N - 1) + 2C$$

Where N = Number of Grooves

Table No. 4

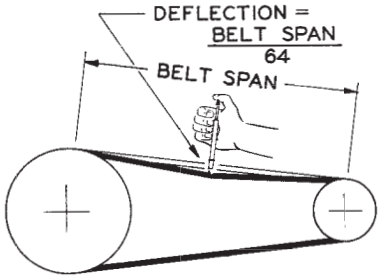
Belt Section	Nominal Belt Size	Add to P.D. to get O.D.	Minimum Recommended P.D. / O.D. Diameter*	C	D
A	1/2" x 5/16"	.25"	3.00"	3/8"	5/8"
B	21/32 x 13/32	.35	5.40	½	3/4
C	7/8 x 17/32	.40	9.00	11/16	1
D	1 1/4 x 3/4	.64	13.00	7/8	1 7/16
E	1 1/2 x 29/32	.82	21.00	1 1/8	1 3/4
3V	3/8 x 5/16	.05	2.60	11/32	13/32
5V	5/8 x 7/16	.10	7.00	1/2	11/16
8V	1 x 7/8	.20	12.50	3/4	1 1/8

*** The Minimum Recommended Pitch Diameters listed above are RMA and MPTA Standards recommendations. Many sheaves with diameters smaller than these recommendations are made and used. If a rating for a "sub-minimum diameter" sheave is published in the selection tables and the drive is properly installed, it should give the same theoretical life as a drive using sheave diameters equal to or greater than the minimums shown above.**

TENSIONING V-BELT DRIVES

General rules of tensioning.

1. Ideal tension is the lowest tension at which the belt will not slip under peak load conditions.
2. Check tension frequently during the first 24 - 48 hours of operation.
3. Over tensioning shortens belt and bearing life.
4. Keep belts free from foreign material which may cause slip.
5. Make V-drive inspection on a periodic basis. Tension when slipping. Never apply belt dressing as this will damage the belt and cause early failure.



Part Number
"Belt Tension Checker

Tension Measurement Procedure

1. Measure the belt span (see sketch).
2. Position bottom of the large "O" ring on the span scale at the measured belt span.
3. Set the small "O" ring on the deflection force scale to zero.
4. Place the tension checker squarely on one belt at the center of the belt span. Apply a force on the plunger and perpendicular to the belt span until the bottom of the large "O" ring is even with the top of the next belt or with the bottom of a straight edge laid across the sheaves.
5. Remove the tension checker and read the force applied from the bottom of the small "O" ring on the deflection force scale.
6. Compare the force you have applied with the values given in Table No. 1. The force should be between the minimum and maximum shown. The maximum value is shown for "New Belt" and new belts should be tensioned at this value to allow for expected tension loss. Used belts should be maintained at the minimum value as indicated in Table No.1.

NOTE: The ratio of deflection to belt span is 1:64.

FHP Belts

Table No. 2 Deflection Force

Cross Section	Small P.D. Range	Lbs. Min.	Lbs. Max.
3L	1.25- 1.75 2.00 - 2.25 2.50 - 3.00	1/2 5/8 3/4	5/8 7/8 1 1/8
4L	2.1 - 2.8 3.0 - 3.5 3.7 - 5.0	1 1/8 1 1/2 1 7/8	1 5/8 2 1/8 2 5/8
5L	3.0 - 4.2 4.5 - 5.2	2 2 3/8	2 7/8 3 3/8

Table No. 1 Sheave Diameter-INCHES / Deflection Force-LBS

Cross Section	Smallest Sheave Diameter Range	RPM Range	Belt Deflection Force: Super Gripbelts and Unnotched Gripbands, Used Belt	Super Gripbelts and Unnotched Gripbands, New Belt	Gripnotch Belts and Notched Gripbands, Used Belt	Gripnotch Belts and Notched Gripbands, New Belt
A, AX	3.0 - 3.6	1000-2500 2501-4000	3.7 2.8	5.5 4.2	4.1 3.4	6.1 5.0
	3.8 - 4.8	1000-2500 2501-4000	4.5 3.8	6.8 5.7	5.0 4.3	7.4 6.4
	5.0 - 7.0	1000-2500 2501-4000	5.4 4.7	8.0 7.0	5.7 5.1	9.4 7.6
B, BX	3.4 - 4.2	860-2500 2501-4000			4.9 4.2	7.2 6.2
	4.4 - 5.6	860-2500 2501-4000	5.3 4.5	7.9 6.7	7.1 7.1	10.5 9.1
	5.8 - 8.6	860-2500 2501-4000	6.3 6.0	9.4 8.9	8.5 7.3	12.6 10.9
C, CX	7.0 - 9.0	500-1740 1741-3000	11.5 9.4	17.0 13.8	14.7 11.9	21.8 17.5
	9.5 - 16.0	500-1740 1741-3000	14.1 12.5	21.0 18.5	15.9 14.6	23.5 21.6
D	12.0 - 16.0	200-850 851-1500	24.9 21.2	37.0 31.3		
	18.0 - 20.0	200-850 851-1500	30.4 25.6	45.2 38.0		
3V, 3VX	2.2 - 2.4	1000-2500 2501-4000			3.3 2.9	4.9 4.3
	2.65 - 3.65	1000-2500 2501-4000	3.6 3.0	5.1 4.4	4.2 3.8	6.2 5.6
	4.12 - 6.90	1000-2500 2501-4000	4.9 4.4	7.3 6.6	5.3 4.9	7.9 7.3
5V, 5VX	4.4 - 6.7	500-1749 1750-3000 3001 -4000			10.2 8.8 5.6	15.2 13.2 8.5
	7.1 - 10.9	500-1740 1741-3000	12.7 11.2	18.9 16.7	14.8 13.7	22.1 20.1
	11.8 - 16.0	500-1740 1741-3000	15.5 14.6	23.4 21.8	17.1 16.8	25.5 25.0
8V	12.5 - 17.0	200-850 851-1000	33.0 26.8	49.3 39.9		
	18.0 - 22.4	200-850 851-1500	39.6 35.3	59.2 52.7		

The above method of tensioning belt drives is to be used when a drive has been selected in accordance with the suggestions listed in the drive selection tables of the Browning catalog. For drives with service factor greater than 1.5, consult Browning. For exact tension calculations use the Browning EDGE® Selection Program.

HOW TO SELECT A FIXED SPEED DRIVE USING THE DRIVE SELECTION TABLES

A drive is required for a 20 HP motor driving a fan 16 hours per day. The motor speed is 3500 RPM and the shaft is 1 5/8" diameter. The fan is approximately 2250 RPM and the shaft is 1 7/16" diameter. Center distance is 20.5" minimum and 24.5" maximum.

This drive can be selected from the Drive Selection Tables on pages B-99 and B-100. A portion of this table has been reproduced below to illustrate steps in drive selection.

1. **Determine the Belt Section**
   From Table No. 1, page B-26, "BX" is the belt section for 20 HP. See "B" Drive Selection Tables.

2. **Determine the Design Horsepower.**
   From Page B-25, the Service Factor is 1.3 for a fan operating 16-24 hours per day
   20 HP Motor x 1.3 SF = 26 Design H.P.

3. **Locate driven speed required under appropriate Motor RPM column in the Drive Selection Tables.**
   On page B-99 (reproduced below), under 3500 RPM Driver are listed driven speeds that come closest to the 2250 RPM required. To the left are listed sheave combinations which will give those speeds. (The ratio shown in the Drive Selection Tables is determined by the actual Pitch Diameter not the Datum Diameter. See page B-26 for Datum system explanation.)

4. **Determine from the Selections available, under the HP per Belt column, the best selection.**
   Examination of these selections indicate that a 5.4" D.D. driver sheave and an 8.6" D.D. driven sheave (Line 39) with 2 Gripnotch belts rated 15.47 HP per belt in the HP per Belt column for 3500 RPM Driver appear to be the best selection to give the smallest sheaves and least number of belts. Driven speed is 2243.

5. **Check Minimum and Maximum Number of Grooves columns to make sure the sheave combination is available in the number of grooves required.**
   Two groove sheaves are available in the sheave combination.

6. **Determine Belt Part Number for approximate Center Distance and the "F" factor of the Belt Length.**
   Read across the page (reproduced below) from the sheave combination, Line 39, and locate a center distance with the 20.5 - 24.5" limits required. Find 21.9" C.D. and .93 "F" Factor for a B64 belt.

7. **Determine the Corrected Horsepower of the Drive and Verify the Number of Belts per Drive.**
   .93(F) x 15.47 (HP per belt) = 14.39 (Corrected HP per Belt)

   $$\frac{26\ (\text{Design HP})}{14.39\ (\text{Corrected HP per Belt})} = 1.81 \text{ or } 2 \text{ Belts required}$$

8. **Convert Sheave Selection to part Numbers and List Drive Components**
   Refer to Sheave Listings on pages A-12 for Sheave Part Numbers. A 2B5V54 sheave is a 2 groove sheave with a 5.4" B" D.D. (2BK60H will not work because 1 5/8" bore is needed). A 2B5V86 is the Part Number for the 2 groove 8.6" D.D driven sheave. Add "X" to the belt part number to indicate a Gripnotch Belt.

   1, **2B5V54** Driver sheave
   1, **B - 1 5/8** Bushing
   1, **2B5V86** Driven Sheave
   1, **B - 1 7/16** Bushing
   2, **BX64 Gripnotch** Belts

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves		Datum Diameter		Type		Nominal Driven Speeds and Horsepower per Belt						Center Distance in Inches and "F" Factor tor Browning Belts					
								3500 RPM Driver			1750 RPM Driver			Belt No.		Belt No.		Belt No.	
								Nominal Driven Speed	HP per Belt		Nominal Driven Speed	HP per Belt							
		Min	Max	Driver	Driven	Fix.	Var.		Super	Gripnotch		Super	Gripnotch	C.D.	F	C.D.	F	C.D.	F
33	1.55	1	2	6.6	10.4	X	X	2258	14.12	19.65	1129	11.11	13.18	—	—	—	—	—	—
34	1.55	1	1	6.9	10.9	X	X	—	—	—	1129	11.82	13.95	—	—	—	—	—	—
35	1.56	1	6	3.6	5.8	X	—	2243	4.67	8.62	1121	3.54	5.74	7.4	0.76	10.5	0.80	13.5	0.83
														B28		B34		B40	
36	1.56	1	2	3.8	6.1	X	—	2243	5.33	9.28	1121	3.97	6.17	7.0	0.76	10.1	0.80	13.1	0.83
37	1.56	1	2	4.1	6.6	X	X	2243	6.29	10.23	1121	4.66	6.82	—	—	9.4	0.79	12.4	0.83
38	1.56	1	6	5.0	8.0	X	—	2243	9.54	13.86	1121	7.09	8.87	—	—	—	—	10.6	0.82
39	1.56	1	10	5.4	8.6	X	X	2243	10.89	15.47	1121	8.13	9.98	—	—	—	—	9.8	0.81
40	1.56	1	2	5.9	9.4	X	X	2243	12.38	17.33	1121	9.40	11.33	—	—	—	—	—	—
														B28		B36		B44	
41	1.56	1	1	6.2	9.9	X	—	2243	13.18	18.37	1121	10.14	12.13	—	—	—	—	10.1	0.82
42	1.56	1	1	6.9	11.0	X	X	—	—	—	1121	11.82	13.95	—	—	—	—	—	—
43	1.56	1	10	8.6	13.6	X	—	—	—	—	1121	15.59	18.10	—	—	—	—	—	—

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts																		Line No.
Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
10.4	0.83	13.4	0.86	16.4	0.88	19.5	0.92	22.5	0.94	26.0	0.96	29.5	0.98	33.0	0.99	36.5	1.00	33
-	-	12.8	0.85	15.8	0.88	18.8	0.92	21.8	0.94	25.3	0.96	28.9	0.97	32.4	0.99	35.9	1.00	34
16.5	0.86	19.5	0.88	22.5	0.90	25.5	0.94	28.5	0.95	32.0	0.97	35.5	0.99	39.0	1.00	42.5	1.01	35
B46		B52		B58		B64		B70		B77		B84		B91		B98		
16.1	0.86	19.1	0.88	22.1	0.90	25.1	0.94	28.1	0.95	31.6	0.97	35.1	0.99	38.6	1.00	42.1	1.01	36
15.4	0.86	18.5	0.88	21.5	0.90	24.5	0.93	27.5	0.95	31.0	0.97	34.5	0.98	38.0	1.00	41.5	1.01	37
13.6	0.85	16.6	0.87	19.6	0.90	22.6	0.93	25.7	0.95	29.2	0.97	32.7	0.98	36.2	1.00	39.7	1.01	38
12.8	0.84	15.8	0.87	18.8	0.89	21.9	0.93	24.9	0.95	28.4	0.96	31.9	0.98	35.4	0.99	38.9	1.01	39
11.8	0.84	14.8	0.87	17.8	0.89	20.8	0.92	23.8	0.94	27.3	0.96	30.8	0.98	34.3	0.99	37.8	1.01	40
B52		B59		B66		B73		B80		B87		B94		B103		B112		
14.1	0.86	17.7	0.89	21.2	0.93	24.7	0.95	28.2	0.97	31.7	0.98	35.2	1.00	39.7	1.02	44.2	1.03	41
12.7	0.85	16.2	0.88	19.7	0.92	23.3	0.94	26.8	0.96	30.3	0.98	33.8	1.00	38.3	1.01	42.8	1.03	42
-	-	12.7	0.86	16.3	0.91	19.8	0.93	23.3	0.95	26.9	0.97	30.4	0.99	34.9	1.01	39.4	1.02	43

HOW TO SELECT A VARIABLE SPEED DRIVE USING THE DRIVE SELECTION TABLES

A drive is required for a 1750 RPM, 5 HP motor driving a fan at a maximum speed of 1300 RPM. Fan will operate 24 hours per day. The motor shaft is 1 1/8" diameter. The fan shaft is 1 3/16" diameter. Center distance is approximately 23".

This drive can be selected from the Drive Selection Tables on pages B-95 and B-96. a portion of this table has been reproduced below to illustrate steps in drive selection.

1. **Determine the Belt Section**
   From Table No. 1, page B-26, "BX" is the belt section for 5 HP. See "B" Drive Selection Tables.

2. **Determine the Design Horsepower.**
   From Page B-25, the Service Factor is 1.2 for a fan operating 24 hours per day
   5 HP Motor x 1.2 SF = 6 Design H.P.

3. **Locate driven speed (maximum) required under appropriate Motor RPM column in the Drive Selection Tables.**
   On page B-95 (reproduced below), under 1750 RPM Driver are listed driven speeds that come closest to the 1300 maximum RPM required. To the left are listed sheave combinations which will give those speeds. (The ratio shown in the Drive Selection Tables is determined by the actual Pitch Diameter not the Datum Diameter. See page B-26 for Datum system explanation.)

4. **Determine from the Selections listed, under the HP per Belt column, the best selection.**
   Examination of these selections indicate that a 5.4" D.D. driver sheave and an 7.4" D.D. driven sheave (Line 9) with Super Belts rated at 8.02 HP per belt in the HP per Belt column for 1750 RPM Driver appear to be the best selection to give the smallest sheaves and least number of belts. Driven speed is 1296.

5. **Check to make sure the sheave combination is available in the Variable Type required.**
   Sheaves are available in this combination.

6. **Determine Belt Part Number for approximate Center Distance and the "F" factor for the Belt Length.**
   Read across the page (reproduced below) from the sheave combination, Line 9, and locate a center distance with the 23" required. Find 22.8" C.D. and .94 "F" Factor for a B64 belt.

7. **Determine the Corrected Horsepower of the Drive and Verify the Number of Belts per Drive.**
   .94(F) x 8.02 (HP per belt) = 7.54 (Corrected HP per Belt)

$$\frac{6\ (\text{Design HP})}{7.54\ (\text{Corrected HP per Belt})} = .80 \text{ or } 1 \text{ Belts required}$$

8. **Convert Sheave Selections to Part Numbers and List Drive Components.**
   Refer to Sheave Listings on pages C-4 for Variable Sheave Part Numbers. A 1VP71 sheave is a 1 groove sheave with a 5.4" "B" D.D. From the Sheave Listing on page A-11 a BK80H is the Part Number for the 1 groove 7.4" D.D driven sheave.

   1, **1VP71 x 1 1/8** Driver sheave
   1, **BK80H** Driven Sheave
   1, **H - 1 3/16** Bushing
   1, **B64** Belt

Note: This example is to demonstrate the catalog drive selection procedure only. For options of drive selection use the EPT® Edge™ drive selection software

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Datum Diameter Driver	Datum Diameter Driven	Type Fix.	Type Var.	Nominal Driven Speeds and Horsepower per Belt — 3500 RPM Driver — Nominal Driven speed	HP per Belt Super	HP per Belt Gripnotch	1750 RPM Driver — Nominal Driven speed	HP per Belt Super	HP per Belt Gripnotch	Center Distance in Inches and "F" Factor tor Browning Belts — Belt No.	C.D.	F	Belt No.	C.D.	F	Belt No.	C.D.	F
3	1.35	1	6	3.6	5.0	X	—	2592	4.50	8.39	1296	3.45	5.63	8.1	0.78		11.1	0.81		12.1	0.82
4	1.35	1	2	3.9	5.4	X	X	2592	5.48	9.38	1296	4.10	6.28	12.6	0.83		18.6	0.88		24.6	0.94
5	1.35	1	6	4.2	5.8	X	—	2592	6.41	10.31	1296	4.83	6.92	12.0	0.83		18.0	0.88		24.0	0.94
														B28			B34			B40		
6	1.35	1	6	4.8	6.6	X	—	2592	8.61	12.84	1296	6.45	8.22	—	—		8.9	0.80		11.9	0.84
7	1.35	1	1	5.0	6.9	X	—	2592	9.33	13.68	1296	6.98	8.78	—	—		8.5	0.80		11.5	0.83
8	1.35	1	2	5.1	7.0	X	X	2592	9.68	14.09	1296	7.24	9.06	—	—		8.3	0.80		11.4	0.83
9	1.35	1	10	5.4	7.4	X	X	2592	10.68	15.29	1296	8.02	9.89	—	—		7.8	0.80		10.8	0.83
10	1.35	1	2	6.1	8.4	X	X	2592	12.72	17.85	1296	9.79	11.78	—	—		—	—		9.4	0.82

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts — Belt No	C.D.	F	Belt No	C.D.	F	Belt No	C.D.	F	Belt No	C.D.	F	Belt No	C.D.	F	Belt No	C.D.	F	Belt No	C.D.	F	Belt No	C.D.	F	Belt No	C.D.	F	Line No.
	31.1	0.97		37.1	0.99		43.1	1.02		48.1	1.03		54.1	1.07		60.6	1.09		66.1	1.10		73.1	1.13		80.6	1.15	3
	30.6	0.97		36.6	0.99		42.6	1.02		47.6	1.03		53.6	1.07		60.1	1.08		65.6	1.10		72.6	1.13		80.1	1.15	4
	30.0	0.97		36.0	0.99		42.0	1.02		47.0	1.03		53.0	1.07		59.5	1.08		65.0	1.10		72.0	1.13		79.5	1.15	5
B46			B52			B58			B64			B70			B77			B84			B91			B98			
	14.9	0.86		17.9	0.89		20.9	0.91		23.9	0.94		26.9	0.96		30.4	0.97		33.9	0.99		37.4	1.00		40.9	1.02	6
	14.5	0.86		17.5	0.88		20.5	0.91		23.5	0.94		26.5	0.95		30.0	0.97		33.5	0.99		37.0	1.00		40.5	1.01	7
	14.4	0.86		17.4	0.88		20.4	0.91		23.4	0.94		26.4	0.95		29.9	0.97		33.4	0.99		36.9	1.00		40.4	1.01	8
	13.8	0.86		16.8	0.88		19.8	0.90		22.8	0.94		25.8	0.95		29.3	0.97		32.8	0.99		36.3	1.00		39.8	1.01	9
	12.5	0.85		15.5	0.88		18.5	0.90		21.5	0.93		24.5	0.95		28.0	0.97		31.5	0.98		35.0	1.00		38.5	1.01	10

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves		Datum Diameter		Type		Nominal Driven Speeds and Horsepower per Belt						Center Distance in Inches and "F" Factor for Browning Belts					
								3500 RPM Driver			1750 RPM Driver			Belt No.		Belt No.		Belt No.	
		Min	Max	Driver	Driven	Fix.	Var.	Nominal Driven Speed	HP per Belt Super	HP per Belt Gripnotch	Nominal Driven Speed	HP per Belt Super	HP per Belt Gripnotch	C.D.	F	C.D.	F	C.D.	F
														A24		A28		A32	
1	1.00	1	2	2.4	2.4	X	—	3500	1.83	2.27	1750	1.30	1.75	8.9	0.81	10.9	0.84	12.9	0.86
2	1.00	1	2	2.6	2.6	X	—	3500	2.27	2.82	1750	1.56	2.09	8.6	0.81	10.6	0.84	12.6	0.86
3	1.00	1	1	2.7	2.7	X	—	3500	2.49	3.09	1750	1.69	2.25	8.4	0.81	10.4	0.84	12.4	0.86
4	1.00	1	2	2.8	2.8	X	X	3500	2.71	3.36	1750	1.82	2.42	8.3	0.81	10.3	0.84	12.3	0.86
5	1.00	1	1	2.9	2.9	X	—	3500	2.92	3.62	1750	1.95	2.58	8.1	0.81	10.1	0.84	12.1	0.86
														A24		A28		A32	
6	1.00	1	3	3.0	3.0	X	X	3500	3.13	3.88	1750	2.07	2.74	7.9	0.81	9.9	0.84	11.9	0.86
7	1.00	1	2	3.1	3.1	X	—	3500	3.34	4.14	1750	2.23	2.90	7.8	0.81	9.8	0.84	11.8	0.86
8	1.00	1	3	3.2	3.2	X	—	3500	3.54	4.45	1750	2.41	3.06	7.6	0.81	9.6	0.84	11.6	0.86
9	1.00	1	2	3.3	3.3	X	X	3500	3.78	4.76	1750	2.59	3.22	7.5	0.81	9.5	0.84	11.5	0.86
10	1.00	1	3	3.4	3.4	X	—	3500	4.08	5.07	1750	2.77	3.37	7.3	0.81	9.3	0.84	11.3	0.86
														A24		A28		A32	
11	1.00	1	2	3.5	3.5	X	—	3500	4.37	5.38	1750	2.95	3.53	7.2	0.81	9.2	0.84	11.2	0.86
12	1.00	1	3	3.6	3.6	X	X	3500	4.66	5.68	1750	3.13	3.68	7.0	0.81	9.0	0.84	11.0	0.86
13	1.00	1	2	3.7	3.7	X	—	3500	4.94	5.98	1750	3.30	3.84	6.8	0.81	8.8	0.84	10.8	0.86
14	1.00	1	3	3.8	3.8	X	X	3500	5.22	6.27	1750	3.48	3.99	6.7	0.81	8.7	0.84	10.7	0.86
15	1.00	1	1	3.9	3.9	X	—	3500	5.50	6.57	1750	3.66	4.14	6.5	0.81	8.5	0.84	10.5	0.86
														A24		A28		A32	
16	1.00	1	3	4.0	4.0	X	—	3500	5.77	6.86	1750	3.83	4.29	6.4	0.81	8.4	0.84	10.4	0.86
17	1.00	1	1	4.1	4.1	X	—	3500	6.04	7.14	1750	4.00	4.46	6.2	0.81	8.2	0.84	10.2	0.86
18	1.00	1	6	4.2	4.2	X	—	3500	6.30	7.43	1750	4.18	4.63	6.1	0.81	8.1	0.84	10.1	0.86
19	1.00	1	1	4.3	4.3	X	—	3500	6.56	7.71	1750	4.35	4.81	5.9	0.81	7.9	0.84	9.9	0.86
20	1.00	1	6	4.4	4.4	X	X	3500	6.82	7.98	1750	4.52	4.98	—	—	7.7	0.84	9.7	0.86
														A24		A28		A32	
21	1.00	1	6	4.6	4.6	X	—	3500	7.32	8.52	1750	4.86	5.33	—	—	7.4	0.84	9.4	0.86
22	1.00	1	2	4.7	4.7	X	—	3600	7.56	8.79	1750	5.03	5.50	—	—	7.3	0.84	9.3	0.86
23	1.00	1	6	4.8	4.8	X	—	3500	7.80	9.05	1750	5.20	5.67	—	—	7.1	0.84	9.1	0.86
24	1.00	1	3	4.9	4.9	X	—	3500	8.03	9.31	1750	5.36	5.84	—	—	7.0	0.84	9.0	0.86
25	1.00	1	6	5.0	5.0	X	X	3500	8.26	9.56	1750	5.53	6.01	—	—	6.8	0.84	8.8	0.88
														A24		A28		A32	
26	1.00	1	6	5.2	5.2	X	X	3500	8.71	10.06	1750	5.86	6.34	—	—	—	—	8.5	0.86
27	1.00	1	6	5.4	5.4	X	—	3500	9.13	10.54	1750	6.18	6.68	—	—	—	—	8.2	0.86
28	1.00	1	6	5.6	5.6	X	X	3500	9.54	11.01	1750	6.51	7.01	—	—	—	—	7.9	0.86
29	1.00	1	2	5.7	5.7	X	X	3500	9.73	11.24	1750	6.67	7.17	—	—	—	—	7.7	0.86
30	1.00	1	6	5.8	5.8	X	—	3500	9.92	11.46	1750	6.83	7.34	—	—	—	—	7.5	0.86
														A24		A28		A32	
31	1.00	1	1	5.9	5.9	X	—	3500	10.11	11.68	1750	6.98	7.50	—	—	—	—	—	—
32	1.00	1	6	6.0	6.0	X	X	3500	10.29	11.89	1750	7.14	7.66	—	—	—	—	—	—
33	1.00	1	10	6.2	6.2	X	X	3500	10.63	12.31	1750	7.45	7.98	—	—	—	—	—	—
34	1.00	1	10	6.4	6.4	X	—	3500	10.95	12.71	1750	7.76	8.30	—	—	—	—	—	—
35	1.00	1	10	6.6	6.6	X	—	3500	11.25	13.10	1750	8.06	8.61	—	—	—	—	—	—
														A24		A28		A32	
36	1.00	1	1	6.7	6.7	X	X	3500	11.39	13.28	1750	8.21	8.77	—	—	—	—	—	—
37	1.00	1	10	6.8	6.8	X	—	3500	11.53	13.46	1750	8.36	8.93	—	—	—	—	—	—
38	1.00	1	3	6.9	6.9	X	—	—	—	—	1750	8.51	9.08	—	—	—	—	—	—
39	1.00	1	10	7.0	7.0	X	X	—	—	—	1750	8.66	9.23	—	—	—	—	—	—
40	1.00	1	10	7.2	7.2	X	—	—	—	—	1750	8.95	9.54	—	—	—	—	—	—
														A24		A29		A34	
41	1.00	1	10	7.4	7.4	X	—	—	—	—	1750	9.24	9.84	—	—	—	—	—	—
42	1.00	1	10	7.6	7.6	X	—	—	—	—	1750	9.53	10.14	—	—	—	—	—	—
43	1.00	1	1	7.7	7.7	X	—	—	—	—	1750	9.67	10.29	—	—	—	—	—	—
44	1.00	1	10	7.8	7.8	X	—	—	—	—	1750	9.81	10.44	—	—	—	—	—	—
45	1.00	1	1	7.9	7.9	X	—	—	—	—	1750	9.95	10.59	—	—	—	—	—	—
														A26		A33		A40	
46	1.00	1	10	8.2	8.2	X	—	—	—	—	1750	10.36	11.02	—	—	—	—	—	—
47	1.00	1	1	8.7	8.7	X	—	—	—	—	1750	11.02	11.73	—	—	—	—	—	—
48	1.00	1	10	8.8	8.8	X	—	—	—	—	1750	11.15	11.87	—	—	—	—	—	—
49	1.00	1	3	9.2	9.2	X	—	—	—	—	1750	11.66	12.42	—	—	—	—	—	—
50	1.00	1	10	9.4	9.4	X	—	—	—	—	1750	11.90	12.69	—	—	—	—	—	—
														A28		A36		A44	
51	1.00	1	1	9.7	9.7	X	—	—	—	—	1750	12.27	13.08	—	—	—	—	—	—
52	1.00	1	10	9.8	9.8	X	—	—	—	—	1750	12.39	13.21	—	—	—	—	—	—
53	1.00	1	10	10.2	10.2	X	—	—	—	—	1750	12.85	13.73	—	—	—	—	—	—
54	1.00	1	1	10.7	10.7	X	—	—	—	—	1750	13.40	14.35	—	—	—	—	—	—
55	1.00	1	3	11.2	11.2	X	—	—	—	—	1750	13.92	14.94	—	—	—	—	—	—
														A30		A41		A52	
56	1.00	1	1	11.7	11.7	X	—	—	—	—	1750	14.41	15.51	—	—	—	—	—	—
57	1.00	1	1	11.7	11.8	X	—	—	—	—	1750	14.41	15.51	—	—	—	—	—	—
58	1.00	1	10	11.8	11.8	X	—	—	—	—	1750	14.51	15.62	—	—	—	—	—	—
59	1.00	1	3	12.2	12.2	X	—	—	—	—	1750	14.87	16.06	—	—	—	—	—	—
60	1.00	1	10	13.2	13.2	X	—	—	—	—	1750	15.69	17.07	—	—	—	—	—	—
														A24		A28		A32	
61	1.01	1	2	4.9	5.0	—	X	3465	8.12	9.39	1732	5.41	5.88	—	—	6.9	0.84	8.9	0.86
62	1.01	1	2	5.6	5.7	X	X	3465	9.63	11.09	1732	6.55	7.05	—	—	—	—	7.8	0.86
63	1.01	1	2	5.7	5.8	X	X	3465	9.82	11.32	1732	6.71	7.21	—	—	—	—	7.6	0.86
64	1.01	1	3	5.8	5.9	X	—	3465	10.01	11.54	1732	6.87	7.37	—	—	—	—	7.5	0.86
65	1.01	1	3	5.9	6.0	—	X	3465	10.20	11.76	1732	7.03	7.54	—	—	—	—	—	—
														A24		A29		A34	
66	1.01	1	1	6.6	6.7	X	—	3465	11.34	13.18	1732	8.11	8.65	—	—	—	—	—	—
67	1.01	1	3	6.7	6.8	X	X	3465	11.48	13.36	1732	8.26	8.81	—	—	—	—	—	—
68	1.01	1	3	6.8	6.9	X	—	3465	11.62	13.54	1732	8.41	8.97	—	—	—	—	—	—
69	1.01	1	2	6.9	7.0	—	X	—	—	—	1732	8.56	9.12	—	—	—	—	—	—
70	1.01	1	1	7.6	7.7	X	—	—	—	—	1732	9.57	10.18	—	—	—	—	—	—
														A26		A33		A40	
71	1.01	1	1	7.7	7.8	X	—	—	—	—	1732	9.71	10.33	—	—	—	—	—	—
72	1.01	1	1	7.8	7.9	X	—	—	—	—	1732	9.85	10.48	—	—	—	—	—	—
73	1.01	1	1	8.7	8.8	X	—	—	—	—	1732	11.06	11.77	—	—	—	—	—	—
74	1.01	1	1	9.7	9.8	X	—	—	—	—	1732	12.31	13.12	—	—	—	—	—	—
75	1.02	1	2	3.2	3.3	X	—	3431	3.61	4.53	1715	2.45	3.13	8.5	0.82	12.0	0.86	15.5	0.90

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts

Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
A36		A40		A45		A50		A55		A60		A65		A70		A75		
14.9	0.88	16.9	0.90	19.4	0.94	21.9	0.95	24.4	0.97	26.9	0.99	29.4	1.00	31.9	1.01	34.4	1.03	1
14.6	0.88	16.6	0.90	19.1	0.94	21.6	0.95	24.1	0.97	26.6	0.99	29.1	1.00	31.6	1.01	34.1	1.03	2
14.4	0.88	16.4	0.90	18.9	0.94	21.4	0.95	23.9	0.97	26.4	0.99	28.9	1.00	31.4	1.01	33.9	1.03	3
14.3	0.88	16.3	0.90	18.8	0.94	21.3	0.95	23.8	0.97	26.3	0.99	28.8	1.00	31.3	1.01	33.8	1.03	4
14.1	0.88	16.1	0.90	18.6	0.94	21.1	0.95	23.6	0.97	26.1	0.99	28.6	1.00	31.1	1.01	33.6	1.03	5
A36		A40		A45		A50		A55		A60		A65		A70		A75		
13.9	0.88	15.9	0.90	18.4	0.94	20.9	0.95	23.4	0.97	25.9	0.99	28.4	1.00	30.9	1.01	33.4	1.03	6
13.8	0.88	15.8	0.90	18.3	0.94	20.8	0.95	23.3	0.97	25.8	0.99	28.3	1.00	30.8	1.01	33.3	1.03	7
13.6	0.88	15.6	0.90	18.1	0.94	20.6	0.95	23.1	0.97	25.6	0.99	28.1	1.00	30.6	1.01	33.1	1.03	8
13.5	0.88	15.5	0.90	18.0	0.94	20.5	0.95	23.0	0.97	25.5	0.99	28.0	1.00	30.5	1.01	33.0	1.03	9
13.3	0.88	15.3	0.90	17.8	0.94	20.3	0.95	22.8	0.97	25.3	0.99	27.8	1.00	30.3	1.01	32.8	1.03	10
A36		A40		A45		A50		A55		A60		A65		A70		A75		
13.2	0.88	15.2	0.90	17.7	0.94	20.2	0.95	22.7	0.97	25.2	0.99	27.7	1.00	30.2	1.01	32.7	1.03	11
13.0	0.88	15.0	0.90	17.5	0.94	20.0	0.95	22.5	0.97	25.0	0.99	27.5	1.00	30.0	1.01	32.5	1.03	12
12.8	0.88	14.8	0.90	17.3	0.94	19.8	0.95	22.3	0.97	24.8	0.99	27.3	1.00	29.8	1.01	32.3	1.03	13
12.7	0.88	14.7	0.90	17.2	0.94	19.7	0.95	22.2	0.97	24.7	0.99	27.2	1.00	29.7	1.01	32.2	1.03	14
12.5	0.88	14.5	0.90	17.0	0.94	19.5	0.95	22.0	0.97	24.5	0.99	27.0	1.00	29.5	1.01	32.0	1.03	15
A36		A40		A45		A50		A55		A60		A65		A70		A75		
12.4	0.88	14.4	0.90	16.9	0.94	19.4	0.95	21.9	0.97	24.4	0.99	26.9	1.00	29.4	1.01	31.9	1.03	16
12.2	0.88	14.2	0.90	16.7	0.94	19.2	0.95	21.7	0.97	24.2	0.99	26.7	1.00	29.2	1.01	31.7	1.03	17
12.1	0.88	14.1	0.90	16.6	0.94	19.1	0.95	21.6	0.97	24.1	0.99	26.6	1.00	29.1	1.01	31.6	1.03	18
11.9	0.88	13.9	0.90	16.4	0.94	18.9	0.95	21.4	0.97	23.9	0.99	26.4	1.00	28.9	1.01	31.4	1.03	19
11.7	0.88	13.7	0.90	16.2	0.94	18.7	0.95	21.2	0.97	23.7	0.99	26.2	1.00	28.7	1.01	31.2	1.03	20
A36		A40		A45		A50		A55		A60		A65		A70		A75		
11.4	0.88	13.4	0.90	15.9	0.94	18.4	0.95	20.9	0.97	23.4	0.99	25.9	1.00	28.4	1.01	30.9	1.03	21
11.3	0.88	13.3	0.90	15.8	0.94	18.3	0.95	20.8	0.97	23.3	0.99	25.8	1.00	28.3	1.01	30.8	1.03	22
11.1	0.88	13.1	0.90	15.6	0.94	18.1	0.95	20.6	0.97	23.1	0.99	25.6	1.00	28.1	1.01	30.6	1.03	23
11.0	0.88	13.0	0.90	15.5	0.94	18.0	0.95	20.5	0.97	23.0	0.99	25.5	1.00	28.0	1.01	30.5	1.03	24
10.8	0.88	12.8	0.90	15.3	0.94	17.8	0.95	20.3	0.97	22.8	0.99	25.3	1.00	27.8	1.01	30.3	1.03	25
A36		A40		A45		A50		A55		A60		A65		A70		A75		
10.5	0.88	12.5	0.90	15.0	0.94	17.5	0.95	20.0	0.97	22.5	0.99	25.0	1.00	27.5	1.01	30.0	1.03	26
10.2	0.88	12.2	0.90	14.7	0.94	17.2	0.95	19.7	0.97	22.2	0.99	24.7	1.00	27.2	1.01	29.7	1.03	27
9.9	0.88	11.9	0.90	14.4	0.94	16.9	0.95	19.4	0.97	21.9	0.99	24.4	1.00	26.9	1.01	29.4	1.03	28
9.7	0.88	11.7	0.90	14.2	0.94	16.7	0.95	19.2	0.97	21.7	0.99	24.2	1.00	26.7	1.01	29.2	1.03	29
9.5	0.88	11.5	0.90	14.0	0.94	16.5	0.95	19.0	0.97	21.5	0.99	24.0	1.00	26.5	1.01	29.0	1.03	30
A36		A40		A45		A50		A55		A60		A65		A70		A75		
9.4	0.88	11.4	0.90	13.9	0.94	16.4	0.95	18.9	0.97	21.4	0.99	23.9	1.00	26.4	1.01	28.9	1.03	31
9.2	0.88	11.2	0.90	13.7	0.94	16.2	0.95	18.7	0.97	21.2	0.99	23.7	1.00	26.2	1.01	28.7	1.03	32
8.9	0.88	10.9	0.90	13.4	0.94	15.9	0.95	18.4	0.97	20.9	0.99	23.4	1.00	25.9	1.01	28.4	1.03	33
8.6	0.88	10.6	0.90	13.1	0.94	15.6	0.95	18.1	0.97	20.6	0.99	23.1	1.00	25.6	1.01	28.1	1.03	34
8.3	0.88	10.3	0.90	12.8	0.94	15.3	0.95	17.8	0.97	20.3	0.99	22.8	1.00	25.3	1.01	27.8	1.03	35
A36		A40		A45		A50		A55		A60		A65		A70		A75		
—	—	10.1	0.90	12.6	0.94	15.1	0.95	17.6	0.97	20.1	0.99	22.6	1.00	25.1	1.01	27.6	1.03	36
—	—	10.0	0.90	12.5	0.94	15.0	0.95	17.5	0.97	20.0	0.99	22.5	1.00	25.0	1.01	27.5	1.03	37
—	—	9.8	0.90	12.3	0.94	14.8	0.95	17.3	0.97	19.8	0.99	22.3	1.00	24.8	1.01	27.3	1.03	38
—	—	9.7	0.90	12.2	0.94	14.7	0.95	17.2	0.97	19.7	0.99	22.2	1.00	24.7	1.01	27.2	1.03	39
—	—	9.3	0.90	11.8	0.94	14.3	0.95	16.8	0.97	19.3	0.99	21.8	1.00	24.3	1.01	26.8	1.03	40
A39		A44		A49		A54		A59		A64		A69		A74		A80		
—	—	11.0	0.92	13.5	0.95	16.0	0.97	18.5	0.98	21.0	1.00	23.5	1.01	26.0	1.02	29.0	1.04	41
—	—	10.7	0.92	13.2	0.95	15.7	0.97	18.2	0.98	20.7	1.00	23.2	1.01	25.7	1.02	28.7	1.04	42
—	—	10.6	0.92	13.1	0.95	15.6	0.97	18.1	0.98	20.6	1.00	23.1	1.01	25.6	1.02	28.6	1.04	43
—	—	10.4	0.92	12.9	0.95	15.4	0.97	17.9	0.98	20.4	1.00	22.9	1.01	25.4	1.02	28.4	1.04	44
—	—	10.2	0.92	12.7	0.95	15.2	0.97	17.7	0.98	20.2	1.00	22.7	1.01	25.2	1.02	28.2	1.04	45
A46		A52		A58		A65		A72		A79		A86		A93		A100		
10.8	0.94	13.8	0.96	16.8	0.98	20.3	1.00	23.8	1.02	27.3	1.03	30.8	1.05	34.3	1.06	37.8	1.09	46
—	—	13.0	0.96	16.0	0.98	19.5	1.00	23.0	1.02	26.5	1.03	30.0	1.05	33.5	1.06	37.0	1.09	47
—	—	12.8	0.96	15.8	0.98	19.3	1.00	22.8	1.02	26.3	1.03	29.8	1.05	33.3	1.06	36.8	1.09	48
—	—	12.2	0.96	15.2	0.98	18.7	1.00	22.2	1.02	25.7	1.03	29.2	1.05	32.7	1.06	36.2	1.09	49
—	—	11.9	0.96	14.9	0.98	18.4	1.00	21.9	1.02	25.4	1.03	28.9	1.05	32.4	1.06	35.9	1.09	50
A52		A60		A68		A76		A84		A92		A100		A110		A120		
11.4	0.96	15.4	0.99	19.4	1.01	23.4	1.03	27.4	1.05	31.4	1.06	35.4	1.09	40.4	1.11	45.4	1.12	51
—	—	15.3	0.99	19.3	1.01	23.3	1.03	27.3	1.05	31.3	1.06	35.3	1.09	40.3	1.11	45.3	1.12	52
—	—	14.6	0.99	18.6	1.01	22.6	1.03	26.6	1.05	30.6	1.06	34.6	1.09	39.6	1.11	44.6	1.12	53
—	—	13.9	0.99	17.9	1.01	21.9	1.03	25.9	1.05	29.9	1.06	33.9	1.09	38.9	1.11	43.9	1.12	54
—	—	13.1	0.99	17.1	1.01	21.1	1.03	25.1	1.05	29.1	1.06	33.1	1.09	38.1	1.11	43.1	1.12	55
A63		A74		A85		A96		A105		A120		A128		A136		A144		
13.8	0.99	19.3	1.02	24.8	1.05	30.3	1.07	34.8	1.10	42.3	1.12	46.3	1.14	50.3	1.15	54.3	1.16	56
13.7	0.99	19.2	1.02	24.7	1.05	30.2	1.07	34.7	1.10	42.2	1.12	46.2	1.14	50.2	1.15	54.2	1.16	57
13.6	0.99	19.1	1.02	24.6	1.05	30.1	1.07	34.6	1.10	42.1	1.12	46.1	1.14	50.1	1.15	54.1	1.16	58
—	—	18.5	1.02	24.0	1.05	29.5	1.07	34.0	1.10	41.5	1.12	45.5	1.14	49.5	1.15	53.5	1.16	59
—	—	16.9	1.02	22.4	1.05	27.9	1.07	32.4	1.10	39.9	1.12	43.9	1.14	47.9	1.15	51.9	1.16	60
A36		A40		A45		A50		A55		A60		A65		A70		A75		
10.9	0.88	12.9	0.90	15.4	0.93	17.9	0.95	20.4	0.97	22.9	0.99	25.4	1.00	27.9	1.01	30.4	1.03	61
9.8	0.88	11.8	0.90	14.3	0.93	16.8	0.95	19.3	0.97	21.8	0.99	24.3	1.00	26.8	1.01	29.3	1.02	62
9.6	0.88	11.6	0.90	14.1	0.93	16.6	0.95	19.1	0.97	21.6	0.99	24.1	1.00	26.6	1.01	29.1	1.02	63
9.5	0.88	11.5	0.90	14.0	0.93	16.5	0.95	19.0	0.97	21.5	0.99	24.0	1.00	26.5	1.01	29.0	1.02	84
9.3	0.88	11.3	0.90	13.8	0.93	16.3	0.95	18.8	0.97	21.3	0.99	23.8	1.00	26.3	1.01	28.8	1.02	65
A39		A44		A49		A54		A59		A64		A69		A74		A80		
9.7	0.89	12.2	0.91	14.7	0.95	17.2	0.97	19.7	0.98	22.2	1.00	24.7	1.01	27.2	1.02	30.2	1.04	66
9.6	0.89	12.1	0.91	14.6	0.95	17.1	0.97	19.6	0.98	22.1	1.00	24.6	1.01	27.1	1.02	30.1	1.04	67
9.4	0.89	11.9	0.91	14.4	0.95	16.9	0.97	19.4	0.98	21.9	1.00	24.4	1.01	26.9	1.02	29.9	1.04	68
9.2	0.89	11.7	0.91	14.2	0.95	16.7	0.97	19.2	0.98	21.7	1.00	24.2	1.01	26.7	1.02	29.7	1.04	69
—	—	10.6	0.91	13.1	0.95	15.6	0.97	18.1	0.98	20.6	1.00	23.1	1.01	25.6	1.02	28.6	1.04	70
A46		A52		A58		A65		A72		A79		A86		A93		A100		
11.5	0.94	14.5	0.96	17.5	0.98	21.0	1.00	24.5	1.02	28.0	1.03	31.5	1.05	35.0	1.06	38.5	1.09	71
11.3	0.94	14.3	0.96	17.3	0.98	20.8	1.00	24.3	1.02	27.8	1.03	31.3	1.05	34.8	1.06	38.3	1.09	72
—	—	12.9	0.96	15.9	0.98	19.4	1.00	22.9	1.02	26.4	1.03	29.9	1.05	33.4	1.06	36.9	1.09	73
—	—	11.3	0.96	14.3	0.98	17.8	1.00	21.3	1.02	24.8	1.03	28.3	1.05	31.8	1.06	35.3	1.09	74
18.5	0.94	21.5	0.96	24.5	0.98	28.0	1.00	31.5	1.02	35.0	1.03	38.5	1.05	42.0	1.06	45.5	1.09	75

B

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Datum Diameter Driver	Datum Diameter Driven	Type Fix.	Type Var.	Nominal Driven Speeds and Horsepower per Belt — 3500 RPM Driver: Nominal Driven Speed	3500 RPM Driver: HP per Belt Super	3500 RPM Driver: HP per Belt Gripnotch	1750 RPM Driver: Nominal Driven Speed	1750 RPM Driver: HP per Belt Super	1750 RPM Driver: HP per Belt Gripnotch	Center Distance in Inches and "F" Factor for Browning Belts: Belt No.	C.D.	F	Belt No.	C.D.	F	Belt No.	C.D.	F
														A24			A28			A32		
1	1.02	1	2	3.3	3.4	—	X	3431	3.87	4.84	1715	2.63	3.29	7.4		0.81	9.4		0.84	11.4		0.86
2	1.02	1	2	3.4	3.5	X	X	3431	4.16	5.15	1715	2.81	3.45	7.2		0.81	9.2		0.84	11.2		0.86
3	1.02	1	2	3.5	3.6	X	X	3431	4.45	5.46	1715	2.99	3.60	7.1		0.81	9.1		0.84	11.1		0.86
4	1.02	1	2	3.6	3.7	X	X	3431	4.74	5.76	1715	3.17	3.76	6.9		0.81	8.9		0.84	10.9		0.86
5	1.02	1	2	3.7	3.8	X	X	3431	5.03	6.06	1715	3.35	3.91	6.8		0.81	8.8		0.84	10.8		0.86
														A24			A28			A32		
6	1.02	1	1	3.8	3.9	X	X	3431	5.31	6.35	1715	3.52	4.06	6.6		0.81	8.6		0.84	10.6		0.86
7	1.02	1	2	3.9	4.0	—	X	3431	5.59	6.65	1715	3.70	4.22	6.4		0.81	8.4		0.84	10.4		0.86
8	1.02	1	1	4.0	4.1	X	—	3431	5.86	6.94	1715	3.87	4.37	6.3		0.81	8.3		0.84	10.3		0.86
9	1.02	1	2	4.1	4.2	X	X	3431	6.13	7.22	1715	4.05	4.52	6.1		0.81	8.1		0.84	10.1		0.86
10	1.02	1	1	4.2	4.3	X	—	3431	6.39	7.51	1715	4.22	4.67	6.0		0.81	8.0		0.84	10.0		0.66
														A24			A28			A32		
11	1.02	1	2	4.3	4.4	—	X	3431	6.65	7.78	1715	4.39	4.85	—		—	7.8		0.84	9.8		0.86
12	1.02	1	2	4.6	4.7	X	X	3431	7.41	8.60	1715	4.90	5.36	—		—	7.3		0.84	9.3		0.86
13	1.02	1	2	4.7	4.8	X	X	3431	7.65	8.87	1715	5.07	5.54	—		—	7.2		0.84	9.2		0.86
14	1.02	1	3	4.8	4.9	X	—	3431	7.89	9.13	1715	5.24	5.71	—		—	7.0		0.84	9.0		0.86
15	1.02	1	10	6.6	6.8	X	—	3431	11.34	13.18	1715	8.11	8.65	—		—	—		—	—		—
														A24			A29			A34		
16	1.02	1	3	6.7	6.9	X	X	3431	11.48	13.36	1715	8.26	8.81	—		—	—		—	—		—
17	1.02	2	2	6.8	7.0	—	X	3431	11.62	13.54	1715	8.41	8.97	—		—	—		—	—		—
18	1.02	1	10	7.0	7.2	X	X	—	—	—	1715	8.70	9.27	—		—	—		—	—		—
19	1.02	1	10	7.2	7.4	X	—	—	—	—	1715	9.00	9.58	—		—	—		—	—		—
20	1.02	2	2	7.4	7.6	—	X	—	—	—	1715	9,28	9.88	—		—	—		—	—		—
														A26			A32			A38		
21	1.02	1	10	7.6	7.8	X	—	—	—	—	1715	9.57	10.18	—		—	—		—	—		—
22	1.02	1	1	7.7	7.9	X	—	—	—	—	1715	9.71	10.33	—		—	—		—	—		—
23	1.02	1	3	9.2	9.4	X	—	—	—	—	1715	11.70	12.46	—		—	—		—	—		—
24	1.03	1	1	2.6	2.7	X	—	3398	2.35	2.97	1699	1.60	2.16	9.5		0.82	12.5		0.86	15.5		0.89
25	1.03	1	2	2.7	2.8	—	X	3398	2.57	3.24	1699	1.73	2.32	9.3		0.82	12.3		0.86	15.3		0.89
														A24			A28			A32		
26	1.03	1	1	2.8	2.9	X	X	3398	2.78	3.50	1699	1.85	2.49	8.2		0.81	10.2		0.84	12.2		0.86
27	1.03	1	2	2.9	3.0	—	X	3398	2.99	3.77	1699	1.98	2.65	8.0		0.81	10.0		0.84	12.0		0.86
28	1.03	1	2	3.0	3.1	X	X	3398	3.20	4.03	1699	2.13	2.81	7.9		0.81	9.9		0.84	11.9		0.86
29	1.03	1	2	3.1	3.2	—	X	3398	3.40	4.28	1699	2.31	2.97	7.7		0.81	9.7		0.84	11.7		0.86
30	1.03	1	6	5.0	5.2	X	X	3398	8.44	9.64	1699	5.61	6.05	—		—	6.6		0.83	8.6		0.86
														A24			A28			A32		
31	1.03	1	6	5.2	5.4	X	X	3398	8.88	10.14	1699	5.94	6.38	—		—	—		—	8.3		0.86
32	1.03	1	6	5.4	5.6	X	—	3398	9.30	10.62	1699	6.27	6.72	—		—	—		—	8.0		0.86
33	1.03	1	6	5.6	5.8	X	X	3398	9.71	11.09	1699	6.59	7.05	—		—	—		—	7.7		0.86
34	1.03	1	3	5.7	5.9	X	X	3398	9.90	11.32	1699	6.75	7.21	—		—	—		—	7.5		0.86
35	1.03	1	6	5.8	6.0	X	—	3398	10.09	11.54	1699	6.91	7.37	—		—	—		—	—		—
														A24			A29			A34		
36	1.03	1	6	6.0	6.2	X	X	3398	10.46	11.97	1699	7.23	7.70	—		—	—		—	8.1		0.87
37	1.03	1	10	6.2	6.4	X	X	3398	10.80	12.39	1699	7.54	8.02	—		—	—		—	—		—
38	1.03	1	10	6.4	6.6	X	—	3398	11.12	12.79	1699	7.84	8.34	—		—	—		—	—		—
39	1.03	1	1	7.4	7.7	X	—	—	—	—	1699	9.33	9.88	—		—	—		—	—		—
40	1.03	1	1	7.6	7.9	X	—	—	—	—	1699	9.61	10.18	—		—	—		—	—		—
														A28			A38			A48		
41	1.03	1	1	7.9	8.2	X	—	—	—	—	1699	10.03	10.62	—		—	—		—	12.0		0.94
42	1.03	1	1	9.4	9.7	X	—	—	—	—	1699	11.99	12.73	—		—	—		—	—		—
43	1.03	1	3	11.8	12.2	X	—	—	—	—	1699	14.59	15.66	—		—	—		—	—		—
44	1.04	1	1	3.9	4.1	X	—	3365	5.70	6.75	1682	3.76	4.22	8.4		0.83	13.4		0.89	18.4		0.94
45	1.04	1	3	4.0	4.2	X	—	3365	5.97	7.04	1682	3.93	4.37	8.2		0.83	13.2		0.89	18.2		0.94
														A24			A28			A32		
46	1.04	1	1	4.1	4.3	X	—	3365	6.24	7.33	1682	4.10	4.55	6.1		0.81	8.1		0.83	10.1		0.86
47	1.04	1	6	4.2	4.4	X	—	3365	6.51	7.61	1682	4.28	4.72	5.9		0.81	7.9		0.83	9.9		0.86
48	1.04	1	6	4.4	4.6	X	X	3365	7.02	8.16	1682	4.62	5.07	—		—	7.6		0.83	9.6		0.86
49	1.04	1	6	4.6	4.8	X	—	3365	7.52	8.70	1682	4.96	5.42	—		—	7.3		0.83	9.3		0.86
50	1.04	1	3	4.7	4.9	X	—	3365	7.76	8.97	1682	5.13	5.59	—		—	7.1		0.83	9.1		0.86
														A24			A28			A32		
51	1.04	1	6	4.8	5.0	X	—	3365	7.97	9.13	1682	5.28	5.71	—		—	7.0		0.83	9.0		0.86
52	1.04	1	2	5.9	6.2	—	X	3365	10.31	11.86	1682	7.08	7.59	—		—	—		—	—		—
53	1.04	1	1	6.4	6.7	X	X	3365	11.15	12.90	1682	7.86	8.39	—		—	—		—	—		—
54	1.04	1	3	6.6	6.9	X	—	3365	11.45	13.28	1682	8.16	8.71	—		—	—		—	—		—
55	1.04	1	1	6.7	7.0	X	X	3365	11.59	13.46	1682	8.31	8.86	—		—	—		—	—		—
														A28			A36			A44		
56	1.04	1	3	6.9	7.2	X	—	—	—	—	1682	8.61	9.17	—		—	—		—	11.6		0.91
57	1.04	1	3	8.8	9.2	X	—	—	—	—	1682	11.25	11.96	—		—	—		—	—		—
58	1.04	1	10	9.4	9.8	X	—	—	—	—	1682	12.00	12.78	—		—	—		—	—		—
59	1.04	1	10	9.8	10.2	X	—	—	—	—	1682	12.47	13.25	—		—	—		—	—		—
60	1.04	1	1	10.2	10.7	X	—	—	—	—	1682	12.95	13.82	—		—	—		—	—		—
														A28			A38			A48		
61	1.04	1	1	10.7	11.2	X	—	—	—	—	1682	13.50	14.44	—		—	—		—	—		—
62	1.04	1	1	11.2	11.7	X	—	—	—	—	1682	14.02	15.03	—		—	—		—	—		—
63	1.04	1	1	11.7	12.2	X	—	—	—	—	1682	14.51	15.60	—		—	—		—	—		—
64	1.05	1	3	3.2	3.4	X	—	3333	3.68	4.63	1666	2.51	3.13	9.5		0.83	14.5		0.89	19.5		0.94
65	1.05	1	2	3.3	3.5	X	X	3333	3.98	4.94	1666	2.69	3.29	9.3		0.83	14.3		0.89	19.3		0.94
														A24			A28			A32		
66	1.05	1	3	3.4	3.6	X	—	3333	4.28	5.25	1666	2.87	3.45	7.2		0.81	9.2		0.83	11.2		0.86
67	1.05	1	2	3.5	3.7	X	X	3333	4.57	5.56	1666	3.05	3.60	7.0		0.81	9.0		0.83	11.0		0.86
68	1.05	1	2	3.6	3.8	X	X	3333	4.86	5.86	1666	3.23	3.76	6.8		0.81	8.8		0.83	10.8		0.86
69	1.05	1	1	3.7	3.9	X	—	3333	5.14	6.16	1666	3.40	3.91	6.7		0.81	8.7		0.83	10.7		0.86
70	1.05	1	2	3.8	4.0	X	X	3333	5.42	6.46	1666	3.58	4.06	6.5		0.81	8.5		0.83	10.5		0.86
														A24			A28			A32		
71	1.05	1	2	4.9	5.2	—	X	3333	8.24	9.49	1666	5.46	5.93	—		—	6.7		0.83	8.7		0.86
72	1.05	1	2	5.4	5.7	X	X	3333	9.33	10.72	1666	6.28	6.77	—		—	—		—	7.9		0.86
73	1.05	1	3	5.6	5.9	X	X	3333	9.74	11.19	1666	6.61	7.10	—		—	—		—	7.6		0.85
74	1.05	1	3	5.7	6.0	X	X	3333	9.93	11.42	1666	6.77	7.26	—		—	—		—	7.5		0.85
75	1.05	1	10	6.6	7.0	X	—	3333	11.45	13.28	1666	8.16	8.71	—		—	—		—	—		—

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts

Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
A36		A40		A45		A50		A55		A60		A65		A70		A75		
13.4	0.88	15.4	0.90	17.9	0.93	20.4	0.95	22.9	0.97	25.4	0.99	27.9	1.00	30.4	1.01	32.9	1.03	1
13.2	0.88	15.2	0.90	17.7	0.93	20.2	0.95	22.7	0.97	25.2	0.99	27.7	1.00	30.2	1.01	32.7	1.03	2
13.1	0.88	15.1	0.90	17.6	0.93	20.1	0.95	22.6	0.97	25.1	0.99	27.6	1.00	30.1	1.01	32.6	1.03	3
12.9	0.88	14.9	0.90	17.4	0.93	19.9	0.95	22.4	0.97	24.9	0.99	27.4	1.00	29.9	1.01	32.4	1.03	4
12.8	0.88	14.8	0.90	17.3	0.93	19.8	0.95	22.3	0.97	24.8	0.99	27.3	1.00	29.8	1.01	32.3	1.03	5
A36		A40		A45		A50		A55		A60		A65		A70		A75		
12.6	0.88	14.6	0.90	17.1	0.93	19.6	0.95	22.1	0.97	24.6	0.99	27.1	1.00	29.6	1.01	32.1	1.03	6
12.4	0.88	14.4	0.90	16.9	0.93	19.4	0.95	21.9	0.97	24.4	0.99	26.9	1.00	29.4	1.01	31.9	1.03	7
12.3	0.88	14.3	0.90	16.8	0.93	19.3	0.95	21.8	0.97	24.3	0.99	26.8	1.00	29.3	1.01	31.8	1.03	8
12.1	0.88	14.1	0.90	16.6	0.93	19.1	0.95	21.6	0.97	24.1	0.99	26.6	1.00	29.1	1.01	31.6	1.03	9
12.0	0.88	14.0	0.90	16.5	0.93	19.0	0.95	21.5	0.97	24.0	0.99	26.5	1.00	29.0	1.01	31.5	1.03	10
A36		A40		A45		A50		A55		A60		A65		A70		A75		
11.8	0.88	13.8	0.90	16.3	0.93	18.8	0.95	21.3	0.97	23.8	0.99	26.3	1.00	28.8	1.01	31.3	1.03	11
11.3	0.88	13.3	0.90	15.8	0.93	18.3	0.95	20.8	0.97	23.3	0.99	25.8	1.00	28.3	1.01	30.8	1.03	12
11.2	0.88	13.2	0.90	15.7	0.93	18.2	0.95	20.7	0.97	23.2	0.99	25.7	1.00	28.2	1.01	30.7	1.03	13
11.0	0.88	13.0	0.90	15.5	0.93	18.0	0.95	20.5	0.97	23.0	0.99	25.5	1.00	28.0	1.01	30.5	1.03	14
—	—	10.1	0.90	12.6	0.93	15.1	0.95	17.6	0.97	20.1	0.98	22.6	1.00	25.1	1.01	27.6	1.02	15
A39		A44		A49		A54		A59		A64		A69		A74		A80		
9.5	0.89	12.0	0.91	14.5	0.95	17.0	0.97	19.5	0.98	22.0	1.00	24.5	1.01	27.0	1.02	30.0	1.04	16
9.3	0.89	11.8	0.91	14.3	0.95	16.8	0.97	19.3	0.98	21.8	1.00	24.3	1.01	26.8	1.02	29.8	1.04	17
9.0	0.89	11.5	0.91	14.0	0.95	16.5	0.97	19.0	0.98	21.5	1.00	24.0	1.01	26.5	1.02	29.5	1.04	18
—	—	11.2	0.91	13.7	0.95	16.2	0.97	18.7	0.98	21.2	1.00	23.7	1.01	26.2	1.02	29.2	1.04	19
—	—	10.9	0.91	13.4	0.95	15.9	0.97	18.4	0.98	20.9	1.00	23.4	1.01	25.9	1.02	28.9	1.04	20
A44		A50		A56		A62		A68		A74		A81		A88		A95		
10.6	0.91	13.6	0.95	16.6	0.97	19.6	0.99	22.6	1.01	25.6	1.02	29.1	1.04	32.6	1.05	36.1	1.07	21
10.4	0.91	13.4	0.95	16.4	0.97	19.4	0.99	22.4	1.01	25.4	1.02	28.9	1.04	32.4	1.05	35.9	1.07	22
—	—	11.0	0.95	14.0	0.97	17.0	0.99	20.0	1.01	23.0	1.02	26.5	1.04	30.0	1.05	33.5	1.07	23
18.5	0.92	21.5	0.95	24.5	0.97	27.5	0.99	30.5	1.01	33.5	1.02	37.0	1.04	40.5	1.05	44.0	1.07	24
18.3	0.92	21.3	0.95	24.3	0.97	27.3	0.99	30.3	1.01	33.3	1.02	36.8	1.04	40.3	1.05	43.8	1.07	25
A36		A40		A45		A50		A55		A60		A65		A70		A75		
14.2	0.88	16.2	0.90	18.7	0.93	21.2	0.95	23.7	0.97	26.2	0.99	28.7	1.00	31.2	1.01	33.7	1.03	26
14.0	0.88	16.0	0.90	18.5	0.93	21.0	0.95	23.5	0.97	26.0	0.99	28.5	1.00	31.0	1.01	33.5	1.03	27
13.9	0.88	15.9	0.90	18.4	0.93	20.9	0.95	23.4	0.97	25.9	0.99	28.4	1.00	30.9	1.01	33.4	1.03	28
13.7	0.88	15.7	0.90	18.2	0.93	20.7	0.95	23.2	0.97	25.7	0.99	28.2	1.00	30.7	1.01	33.2	1.03	29
10.6	0.88	12.6	0.90	15.1	0.93	17.6	0.95	20.1	0.97	22.6	0.98	25.1	1.00	27.6	1.01	30.1	1.02	30
A36		A40		A45		A50		A55		A60		A65		A70		A75		
10.3	0.88	12.3	0.90	14.8	0.93	17.3	0.95	19.8	0.97	22.3	0.98	24.8	1.00	27.3	1.01	29.8	1.02	31
10.0	0.88	12.0	0.90	14.5	0.93	17.0	0.95	19.5	0.97	22.0	0.98	24.5	1.00	27.0	1.01	29.5	1.02	32
9.7	0.88	11.7	0.90	14.2	0.93	16.7	0.95	19.2	0.97	21.7	0.98	24.2	1.00	26.7	1.01	29.2	1.02	33
9.5	0.88	11.5	0.90	14.0	0.93	16.5	0.95	19.0	0.97	21.5	0.98	24.0	1.00	26.5	1.01	29.0	1.02	34
9.4	0.88	11.4	0.90	13.9	0.93	16.4	0.95	18.9	0.97	21.4	0.98	23.9	1.00	26.4	1.01	28.9	1.02	35
A39		A44		A49		A54		A59		A64		A69		A74		A80		
10.6	0.89	13.1	0.91	15.6	0.95	18.1	0.97	20.6	0.98	23.1	1.00	25.6	1.01	28.1	1.02	31.1	1.04	36
10.3	0.89	12.8	0.91	15.3	0.95	17.8	0.97	20.3	0.98	22.8	1.00	25.3	1.01	27.8	1.02	30.8	1.04	37
9.9	0.89	12.4	0.91	14.9	0.95	17.4	0.97	19.9	0.98	22.4	1.00	24.9	1.01	27.4	1.02	30.4	1.04	38
—	—	10.8	0.91	13.3	0.95	15.8	0.96	18.3	0.98	20.8	1.00	23.3	1.01	25.8	1.02	28.8	1.04	39
—	—	10.5	0.91	13.0	0.95	15.5	0.96	18.0	0.98	20.5	0.99	23.0	1.01	25.5	1.02	28.5	1.04	40
A58		A68		A78		A88		A100		A112		A120		A128		A136		
17.0	0.98	22.0	1.01	27.0	1.03	32.0	1.05	38.0	1.09	44.0	1.11	48.0	1.12	52.0	1.13	56.0	1.15	41
14.7	0.98	19.7	1.01	24.7	1.03	29.7	1.05	35.7	1.09	41.7	1.11	45.7	1.12	49.7	1.13	53.7	1.15	42
—	—	15.8	1.00	20.8	1.03	25.8	1.05	31.8	1.09	37.8	1.11	41.8	1.12	45.8	1.13	49.8	1.15	43
23.4	0.98	28.4	1.01	33.4	1.03	38.4	1.05	44.4	1.09	50.4	1.11	54.4	1.12	58.4	1.14	62.4	1.15	44
23.2	0.98	28.2	1.01	33.2	1.03	38.2	1.05	44.2	1.09	50.2	1.11	54.2	1.12	58.2	1.14	62.2	1.15	45
A36		A40		A45		A50		A55		A60		A65		A70		A75		
12.1	0.88	14.1	0.90	16.6	0.93	19.1	0.95	21.6	0.97	24.1	0.98	26.6	1.00	29.1	1.01	31.6	1.02	46
11.9	0.88	13.9	0.90	16.4	0.93	18.9	0.95	21.4	0.97	23.9	0.98	26.4	1.00	28.9	1.01	31.4	1.02	47
11.6	0.88	13.6	0.90	16.1	0.93	18.6	0.95	21.1	0.97	23.6	0.98	26.1	1.00	28.6	1.01	31.1	1.02	48
11.3	0.88	13.3	0.90	15.8	0.93	18.3	0.95	20.8	0.97	23.3	0.98	25.8	1.00	28.3	1.01	30.8	1.02	49
11.1	0.88	13.1	0.90	15.6	0.93	18.1	0.95	20.6	0.97	23.1	0.98	25.6	1.00	28.1	1.01	30.6	1.02	50
A36		A40		A45		A50		A55		A60		A65		A70		A75		
11.0	0.88	13.0	0.90	15.5	0.93	18.0	0.95	20.5	0.97	23.0	0.98	25.5	1.00	28.0	1.01	30.5	1.02	51
9.2	0.88	11.2	0.90	13.7	0.93	16.2	0.95	18.7	0.97	21.2	0.98	23.7	1.00	26.2	1.01	28.7	1.02	52
8.4	0.88	10.4	0.90	12.9	0.93	15.4	0.95	17.9	0.97	20.4	0.98	22.9	1.00	25.4	1.01	27.9	1.02	53
—	—	10.1	0.90	12.6	0.93	15.1	0.95	17.6	0.97	20.1	0.98	22.6	1.00	25.1	1.01	27.6	1.02	54
—	—	9.9	0.89	12.4	0.93	14.9	0.95	17.4	0.97	19.9	0.98	22.4	1.00	24.9	1.01	27.4	1.02	55
A52		A60		A68		A76		A84		A92		A100		A110		A120		
15.6	0.96	19.6	0.98	23.6	1.01	27.6	1.03	31.6	1.04	35.6	1.06	39.6	1.09	44.6	1.11	49.6	1.12	56
12.5	0.96	16.5	0.98	20.5	1.00	24.5	1.03	28.5	1.04	32.5	1.06	36.5	1.09	41.5	1.11	46.5	1.12	57
11.6	0.96	15.6	0.98	19.6	1.00	23.6	1.03	27.6	1.04	31.6	1.06	35.6	1.09	40.6	1.11	45.6	1.12	58
—	—	14.9	0.98	18.9	1.00	22.9	1.02	26.9	1.04	30.9	1.06	34.9	1.09	39.9	1.11	44.9	1.12	59
—	—	14.2	0.98	18.2	1.00	22.2	1.02	26.2	1.04	30.2	1.06	34.2	1.09	39.2	1.11	44.2	1.12	60
A58		A68		A78		A88		A100		A112		A120		A128		A136		
12.5	0.97	17.5	1.00	22.5	1.03	27.5	1.05	33.5	1.09	39.5	1.11	43.5	1.12	47.5	1.13	51.5	1.15	61
—	—	16.7	1.00	21.7	1.03	26.7	1.05	32.7	1.09	38.7	1.11	42.7	1.12	46.7	1.13	50.7	1.15	62
—	—	15.9	1.00	20.9	1.03	25.9	1.05	31.9	1.09	37.9	1.11	41.9	1.12	45.9	1.13	49.9	1.14	63
24.5	0.98	29.5	1.01	34.5	1.03	39.5	1.05	45.5	1.09	51.5	1.11	55.5	1.12	59.5	1.14	63.5	1.15	64
24.3	0.98	29.3	1.01	34.3	1.03	39.3	1.05	45.3	1.09	51.3	1.11	55.3	1.12	59.3	1.14	63.3	1.15	65
A36		A40		A45		A50		A55		A60		A65		A70		A75		
13.2	0.88	15.2	0.90	17.7	0.93	20.2	0.95	22.7	0.97	25.2	0.98	27.7	1.00	30.2	1.01	32.7	1.02	66
13.0	0.88	15.0	0.90	17.5	0.93	20.0	0.95	22.5	0.97	25.0	0.98	27.5	1.00	30.0	1.01	32.5	1.02	67
12.8	0.88	14.8	0.90	17.3	0.93	19.8	0.95	22.3	0.97	24.8	0.98	27.3	1.00	29.8	1.01	32.3	1.02	68
12.7	0.88	14.7	0.90	17.2	0.93	19.7	0.95	22.2	0.97	24.7	0.98	27.2	1.00	29.7	1.01	32.2	1.02	69
12.5	0.88	14.5	0.90	17.0	0.93	19.5	0.95	22.0	0.97	24.5	0.98	27.0	1.00	29.5	1.01	32.0	1.02	70
A36		A40		A45		A50		A55		A60		A65		A70		A75		
10.7	0.88	12.7	0.90	15.2	0.93	17.7	0.95	20.2	0.97	22.7	0.98	25.2	1.00	27.7	1.01	30.2	1.02	71
9.9	0.88	11.9	0.90	14.4	0.93	16.9	0.95	19.4	0.97	21.9	0.98	24.4	1.00	26.9	1.01	29.4	1.02	72
9.6	0.88	11.6	0.90	14.1	0.93	16.6	0.95	19.1	0.97	21.6	0.98	24.1	1.00	26.6	1.01	29.1	1.02	73
9.5	0.88	11.5	0.90	14.0	0.93	16.5	0.95	19.0	0.97	21.5	0.98	24.0	1.00	26.5	1.01	29.0	1.02	74
—	—	10.0	0.89	12.5	0.93	15.0	0.95	17.5	0.97	20.0	0.98	22.5	1.00	25.0	1.01	27.5	1.02	75

B

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Datum Diameter Driver	Datum Diameter Driven	Type Fix.	Type Var.	Nominal Driven Speeds and Horsepower per Belt — 3500 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	1750 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	Center Distance in Inches and 'F' Factor for Browning Belts: Belt No.	C.D.	F	Belt No.	C.D.	F	Belt No.	C.D	F
														A24			A29			A34		
1	1.05	1	10	6.8	7.2	X	—	3333	11.73	13.65	1666	8.46	9.02	—			—			—		
2	1.05	1	10	7.0	7.4	X	X	—	—	—	1666	8.76	9.33	—			—			—		
3	1.05	1	10	7.2	7.6	X	—	—	—	—	1666	9.06	9.63	—			—			—		
4	1.05	1	10	7.4	7.8	X	—	—	—	—	1666	9.34	9.93	—			—			—		
5	1.05	1	10	7.8	8.2	X	—	—	—	—	1666	9.91	10.53	—			—			—		
														A28			A37			A45		
6	1.05	1	1	8.2	8.7	X	—	—	—	—	1666	10.46	11.11	—			—			—		
7	1.05	1	1	8.7	9.2	X	—	—	—	—	1666	11.12	11.82	—			—			—		
8	1.05	1	1	9.2	9.7	X	—	—	—	—	1666	11.76	12.51	—			—			—		
9	1.05	1	1	9.7	10.2	X	—	—	—	—	1666	12.37	13.17	—			—			—		
10	1.05	1	3	11.2	11.8	X	—	—	—	—	1666	14.02	15.03	—			—			—		
														A24			A28			A32		
11	1.06	1	1	2.7	2.9	X	—	3301	2.63	3.24	1650	1.76	2.32	8.3	0.81		10.3	0.83		12.3	0.86	
12	1.06	1	2	2.8	3.0	X	X	3301	2.84	3.50	1650	1.89	2.49	8.1	0.81		10.1	0.83		12.1	0.86	
13	1.06	1	1	2.9	3.1	X	—	3301	3.05	3.77	1650	2.01	2.65	7.9	0.81		9.9	0.83		11.9	0.86	
14	1.06	1	2	3.0	3.2	X	X	3301	3.26	4.03	1650	2.17	2.81	7.8	0.81		9.8	0.83		11.8	0.86	
15	1.06	1	2	3.1	3.3	X	—	3301	3.46	4.32	1650	2.36	2.97	7.6	0.81		9.6	0.83		11.6	0.86	
														A24			A28			A32		
16	1.06	1	2	4.1	4.4	—	X	3301	6.30	7.33	1650	4.13	4.55	6.0	0.80		8.0	0.83		10.0	0.86	
17	1.06	1	2	4.3	4.6	—	X	3301	6.83	7.89	1650	4.48	4.90	—	—		7.7	0.83		9.7	0.86	
18	1.06	1	2	4.4	4.7	X	X	3301	7.08	8.16	1650	4.65	5.07	—	—		7.5	0.83		9.5	0.86	
19	1.06	1	3	4.6	4.9	X	—	3301	7.58	8.70	1650	4.99	5.42	—	—		7.2	0.83		9.2	0.86	
20	1.06	1	2	4.7	5.0	X	X	3301	7.82	8.97	1650	5.16	5.59	—	—		7.0	0.83		9.0	0.86	
														A24			A28			A32		
21	1.06	1	6	5.6	6.0	X	X	3301	9.80	11.19	1650	6.64	7.10	—			—			7.5	0.85	
22	1.06	1	6	5.8	6.2	X	—	3301	10.19	11.64	1650	6.96	7.43	—			—			—		
23	1.06	1	6	6.0	6.4	X	X	3301	10.55	12.08	1650	7.27	7.75	—			—			—		
24	1.06	1	10	6.2	6.6	X	X	3301	10.89	12.49	1650	7.58	8.07	—			—			—		
25	1.06	1	10	6.4	6.8	X	—	3301	11.21	12.90	1650	7.89	8.39	—			—			—		
														A26			A33			A40		
26	1.06	1	1	7.2	7.7	X	—	—	—	—	1650	9.08	9.63	—			—			9.0	0.89	
27	1.06	1	1	7.4	7.9	X	—	—	—	—	1650	9.37	9.93	—			—			—		
28	1.06	1	1	7.7	8.2	X	—	—	—	—	1650	9.80	10.38	—			—			—		
29	1.06	1	10	8.8	9.4	X	—	—	—	—	1650	11.28	11.96	—			—			—		
30	1.06	1	3	9.2	9.8	X	—	—	—	—	1650	11.79	12.51	—			—			—		
														A24			A28			A32		
31	1.07	1	2	2.4	2.6	X	—	3271	1.98	2.56	1635	1.37	1.90	8.7	0.81		10.7	0.83		12.7	0.86	
32	1.07	1	2	2.6	2.8	X	—	3271	2.42	3.11	1635	1.63	2.23	8.4	0.81		10.4	0.83		12.4	0.86	
33	1.07	1	1	3.6	3.9	X	X	3271	4.92	5.86	1635	3.26	3.83	6.8	0.80		8.8	0.83		10.8	0.86	
34	1.07	1	2	3.7	4.0	X	—	3271	5.20	6.16	1635	3.43	3.98	6.6	0.80		8.6	0.83		10.6	0.86	
35	1.07	1	1	3.8	4.1	X	X	3271	5.48	6.46	1635	3.61	4.14	6.4	0.80		8.4	0.83		10.4	0.86	
														A24			A28			A32		
36	1.07	1	1	3.9	4.2	—	X	3271	5.76	6.75	1635	3.79	4.29	6.3	0.80		8.3	0.83		10.3	0.86	
37	1.07	1	1	4.0	4.3	X	—	3271	6.03	7.04	1635	3.96	4.44	6.1	0.80		8.1	0.83		10.1	0.86	
38	1.07	1	6	5.0	5.4	X	X	3271	8.53	9.74	1635	5.66	6.10	—	—		—	—		8.5	0.85	
39	1.07	1	6	5.2	5.6	X	X	3271	8.97	10.24	1635	5.99	6.43	—	—		—	—		8.2	0.85	
40	1.07	1	6	5.4	5.8	X	—	3271	9.39	10.72	1635	6.32	6.77	—	—		—	—		7.9	0.85	
														A24			A29			A34		
41	1.07	1	1	6.2	6.7	X	X	3271	10.89	12.49	1635	7.58	8.07	—			—			—		
42	1.07	1	3	6.4	6.9	X	—	3271	11.21	12.90	1635	7.89	8.39	—			—			—		
43	1.07	1	3	6.7	7.2	X	X	3271	11.65	13.46	1635	8.34	8.86	—			—			—		
44	1.07	1	3	6.9	7.4	X	—	—	—	—	1635	8.64	9.17	—			—			—		
45	1.07	1	10	7.6	8.2	X	—	—	—	—	1635	9.66	10.23	—			—			—		
														A30			A41			A52		
46	1.07	1	10	8.2	8.8	X	—	—	—	—	1635	10.49	11.11	—			—			13.3	0.95	
47	1.07	1	1	8.7	9.4	X	—	—	—	—	1635	11.15	11.82	—			—			12.4	0.95	
48	1.07	1	3	13.2	14.2	X	—	—	—	—	1635	15.82	17.16	—			—			—		
49	1.08	1	2	3.2	3.5	X	—	3240	3.83	4.75	1620	2.58	3.21	10.4	0.85		15.9	0.90		21.4	0.96	
50	1.08	1	2	3.3	3.6	—	X	3240	4.13	5.06	1620	2.76	3.36	10.2	0.85		15.7	0.90		21.2	0.96	
														A24			A28			A32		
51	1.08	1	2	3.4	3.7	X	X	3240	4.42	5.37	1620	2.94	3.52	7.1	0.81		9.1	0.83		11.1	0.86	
52	1.08	1	2	3.5	3.8	X	X	3240	4.72	5.67	1620	3.12	3.68	6.9	0.81		8.9	0.83		10.9	0.86	
53	1.08	1	2	4.3	4.7	X	X	3240	6.91	8.00	1620	4.52	4.95	—	—		7.6	0.83		9.6	0.85	
54	1.08	1	6	4.4	4.8	X	X	3240	7.17	8.28	1620	4.69	5.13	—	—		7.4	0.83		9.4	0.85	
55	1.08	1	6	4.6	5.0	X	—	3240	7.67	8.82	1620	5.03	5.47	—	—		7.1	0.83		9.1	0.85	
														A24			A28			A32		
56	1.08	1	6	4.8	5.2	X	—	3240	8.06	9.23	1620	5.33	5.76	—			6.8	0.83		8.8	0.85	
57	1.08	1	3	5.4	5.9	X	—	3240	9.48	10.84	1620	6.36	6.83	—			—	—		7.8	0.85	
58	1.08	1	2	5.7	6.2	X	X	3240	10.08	11.53	1620	6.84	7.32	—			—			—		
59	1.08	1	2	5.9	6.4	—	X	3240	10.46	11.98	1620	7.16	7.65	—			—			—		
60	1.08	1	10	6.6	7.2	X	—	3240	11.60	13.39	1620	8.24	8.76	—			—			—		
														A28			A37			A45		
61	1.08	1	10	6.8	7.4	X	—	3240	11.88	13.76	1620	8.54	9.07	—			—			12.0	0.93	
62	1.08	1	10	7.0	7.6	X	X	—	—	—	1620	8.83	9.38	—			—			11.7	0.93	
63	1.08	1	10	7.2	7.8	X	—	—	—	—	1620	9.13	9.69	—			—			11.4	0.93	
64	1.08	1	10	9.4	10.2	X	—	—	—	—	1620	12.08	12.83	—			—			—		
65	1.08	1	3	11.2	12.2	X	—	—	—	—	1620	14.10	15.09	—			—			—		
														A30			A41			A52		
66	1.08	1	3	12.2	13.2	X	—	—	—	—	1620	15.05	16.21	—			—			—		
67	1.08	1	10	13.2	14.4	X	—	—	—	—	1620	15.86	17.22	—			—			—		
68	1.09	1	1	2.9	3.2	—	X	3211	3.10	3.91	1605	2.04	2.72	10.9	0.85		16.4	0.90		21.9	0.96	
69	1.09	1	2	3.0	3.3	X	X	3211	3.31	4.17	1605	2.22	2.89	10.7	0.85		16.2	0.90		21.7	0.96	
70	1.09	1	2	3.1	3.4	—	X	3211	3.52	4.43	1605	2.40	3.05	10.5	0.85		16.0	0.90		21.5	0.96	
														A24			A28			A32		
71	1.09	1	1	3.9	4.3	X	—	3211	5.85	6.87	1605	3.83	4.29	6.2	0.80		8.2	0.83		10.2	0.85	
72	1.09	1	3	4.0	4.4	X	—	3211	6.12	7.15	1605	4.00	4.44	6.1	0.80		8.1	0.83		10.1	0.85	
73	1.09	1	6	4.2	4.6	X	—	3211	6.65	7.72	1605	4.35	4.78	—	—		7.7	0.83		9.7	0.85	
74	1.09	1	3	4.9	5.4	—	X	3211	8.38	9.61	1605	5.54	5.99	—	—		—	—		8.6	0.85	
75	1.09	1	3	5.2	5.7	X	X	3211	9.06	10.36	1605	6.03	6.49	—	—		—	—		8.1	0.85	

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts																		Line No.
Belt No.		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
A39		A44		A49		A54		A59		A64		A69		A74		A80		
9.2	0.89	11.7	0.91	14.2	0.95	16.7	0.96	19.2	0.98	21.7	0.99	24.2	1.01	26.7	1.02	29.7	1.03	1
8.8	0.89	11.3	0.91	13.8	0.95	16.3	0.96	18.8	0.98	21.3	0.99	23.8	1.01	26.3	1.02	29.3	1.03	2
—	—	11.0	0.91	13.5	0.95	16.0	0.96	18.5	0.98	21.0	0.99	23.5	1.01	26.0	1.02	29.0	1.03	3
—	—	10.7	0.91	13.2	0.95	15.7	0.96	18.2	0.98	20.7	0.99	23.2	1.01	25.7	1.02	28.7	1.03	4
—	—	10.1	0.91	12.6	0.95	15.1	0.96	17.6	0.98	20.1	0.99	22.6	1.01	25.1	1.02	28.1	1.03	5
A54		A63		A72		A81		A90		A98		A105		A112		A128		
14.4	0.96	18.9	0.99	23.4	1.01	27.9	1.04	32.4	1.06	36.4	1.09	39.9	1.10	43.4	1.11	51.4	1.13	6
13.6	0.96	18.1	0.99	22.6	1.01	27.1	1.04	31.6	1.06	35.6	1.09	39.1	1.10	42.6	1.11	50.6	1.13	7
12.8	0.96	17.3	0.99	21.8	1.01	26.3	1.04	30.8	1.06	34.8	1.09	38.3	1.10	41.8	1.11	49.8	1.13	8
12.0	0.96	16.5	0.99	21.0	1.01	25.5	1.04	30.0	1.06	34.0	1.09	37.5	1.10	41.0	1.11	49.0	1.13	9
—	—	14.1	0.99	18.6	1.01	23.1	1.03	27.6	1.05	31.6	1.08	35.1	1.10	38.6	1.11	46.6	1.13	10
A36		A40		A45		A50		A55		A60		A65		A70		A75		
14.3	0.88	16.3	0.90	18.8	0.93	21.3	0.95	23.8	0.97	26.3	0.98	28.8	1.00	31.3	1.01	33.8	1.02	11
14.1	0.88	16.1	0.90	18.6	0.93	21.1	0.95	23.6	0.97	26.1	0.98	28.6	1.00	31.1	1.01	33.6	1.02	12
13.9	0.88	15.9	0.90	18.4	0.93	20.9	0.95	23.4	0.97	25.9	0.98	28.4	1.00	30.9	1.01	33.4	1.02	13
13.8	0.88	15.8	0.90	18.3	0.93	20.8	0.95	23.3	0.97	25.8	0.98	28.3	1.00	30.8	1.01	33.3	1.02	14
13.6	0.88	15.6	0.90	18.1	0.93	20.6	0.95	23.1	0.97	25.6	0.98	28.1	1.00	30.6	1.01	33.1	1.02	15
A36		A40		A45		A50		A55		A60		A65		A70		A75		
12.0	0.88	14.0	0.90	16.5	0.93	19.0	0.95	21.5	0.97	24.0	0.98	26.5	1.00	29.0	1.01	31.5	1.02	16
11.7	0.88	13.7	0.90	16.2	0.93	18.7	0.95	21.2	0.97	23.7	0.98	26.2	1.00	28.7	1.01	31.2	1.02	17
11.5	0.88	13.5	0.90	16.0	0.93	18.5	0.95	21.0	0.97	23.5	0.98	26.0	1.00	28.5	1.01	31.0	1.02	18
11.2	0.88	13.2	0.90	15.7	0.93	18.2	0.95	20.7	0.97	23.2	0.98	25.7	1.00	28.2	1.01	30.7	1.02	19
11.0	0.88	13.0	0.90	15.5	0.93	18.0	0.95	20.5	0.97	23.0	0.98	25.5	1.00	28.0	1.01	30.5	1.02	20
A36		A40		A45		A50		A55		A60		A65		A70		A75		
9.5	0.87	11.5	0.89	14.0	0.93	16.5	0.95	19.0	0.97	21.5	0.98	24.0	1.00	26.5	1.01	29.0	1.02	21
9.2	0.87	11.2	0.89	13.7	0.93	16.2	0.95	18.7	0.97	21.2	0.98	23.7	1.00	26.2	1.01	28.7	1.02	22
8.9	0.87	10.9	0.89	13.4	0.93	15.9	0.95	18.4	0.97	20.9	0.98	23.4	1.00	25.9	1.01	28.4	1.02	23
8.6	0.87	10.6	0.89	13.1	0.93	15.6	0.95	18.1	0.97	20.6	0.98	23.1	1.00	25.6	1.01	28.1	1.02	24
8.3	0.87	10.3	0.89	12.8	0.93	15.3	0.95	17.8	0.97	20.3	0.98	22.8	1.00	25.3	1.01	27.8	1.02	25
A46		A52		A58		A65		A72		A79		A86		A93		A100		
12.0	0.93	15.0	0.96	18.0	0.98	21.5	1.00	25.0	1.01	28.5	1.03	32.0	1.05	35.5	1.06	39.0	1.09	26
11.6	0.93	14.6	0.96	17.6	0.98	21.1	1.00	24.6	1.01	28.1	1.03	31.6	1.05	35.1	1.06	38.6	1.09	27
11.2	0.93	14.2	0.96	17.2	0.98	20.7	1.00	24.2	1.01	27.7	1.03	31.2	1.05	34.7	1.06	38.2	1.09	28
—	—	12.4	0.95	15.4	0.97	18.9	0.99	22.4	1.01	25.9	1.03	29.4	1.05	32.9	1.06	36.4	1.09	29
—	—	11.7	0.95	14.7	0.97	18.2	0.99	21.7	1.01	25.2	1.03	28.7	1.05	32.2	1.06	35.7	1.09	30
A36		A40		A45		A50		A55		A60		A65		A70		A75		
14.7	0.88	16.7	0.90	19.2	0.93	21.7	0.95	24.2	0.97	26.7	0.98	29.2	1.00	31.7	1.01	34.2	1.02	31
14.4	0.88	16.4	0.90	18.9	0.93	21.4	0.95	23.9	0.97	26.4	0.98	28.9	1.00	31.4	1.01	33.9	1.02	32
12.8	0.88	14.8	0.90	17.3	0.93	19.8	0.95	22.3	0.97	24.8	0.98	27.3	1.00	29.8	1.01	32.3	1.02	33
12.6	0.88	14.6	0.90	17.1	0.93	19.6	0.95	22.1	0.97	24.6	0.98	27.1	1.00	29.6	1.01	32.1	1.02	34
12.4	0.88	14.4	0.90	16.9	0.93	19.4	0.95	21.9	0.97	24.4	0.98	26.9	1.00	29.4	1.01	31.9	1.02	35
A36		A40		A45		A50		A55		A60		A65		A70		A75		
12.3	0.88	14.3	0.90	16.8	0.93	19.3	0.95	21.8	0.97	24.3	0.98	26.8	1.00	29.3	1.01	31.8	1.02	36
12.1	0.88	14.1	0.90	16.6	0.93	19.1	0.95	21.6	0.97	24.1	0.98	26.6	1.00	29.1	1.01	31.6	1.02	37
10.5	0.88	12.5	0.89	15.0	0.93	17.5	0.95	20.0	0.97	22.5	0.98	25.0	1.00	27.5	1.01	30.0	1.02	38
10.2	0.88	12.2	0.89	14.7	0.93	17.2	0.95	19.7	0.97	22.2	0.98	24.7	1.00	27.2	1.01	29.7	1.02	39
9.9	0.88	11.9	0.89	14.4	0.93	16.9	0.95	19.4	0.97	21.9	0.98	24.4	1.00	26.9	1.01	29.4	1.02	40
A39		A44		A49		A54		A59		A64		A69		A74		A80		
10.0	0.89	12.5	0.91	15.0	0.94	17.5	0.96	20.0	0.98	22.5	0.99	25.0	1.01	27.5	1.02	30.5	1.03	41
9.7	0.89	12.2	0.91	14.7	0.94	17.2	0.96	19.7	0.98	22.2	0.99	24.7	1.01	27.2	1.02	30.2	1.03	42
9.2	0.89	11.7	0.91	14.2	0.94	16.7	0.96	19.2	0.98	21.7	0.99	24.2	1.01	26.7	1.02	29.7	1.03	43
8.9	0.89	11.4	0.91	13.9	0.94	16.4	0.96	18.9	0.98	21.4	0.99	23.9	1.01	26.4	1.02	29.4	1.03	44
—	—	10.2	0.91	12.7	0.94	15.2	0.96	17.7	0.98	20.2	0.99	22.7	1.01	25.2	1.02	28.2	1.03	45
A63		A74		A85		A96		A105		A120		A128		A136		A144		
18.8	0.99	24.3	1.02	29.8	1.04	35.3	1.07	39.8	1.10	47.3	1.12	51.3	1.13	55.3	1.14	59.3	1.16	46
17.9	0.99	23.4	1.02	28.9	1.04	34.4	1.07	38.9	1.10	46.4	1.12	50.4	1.13	54.4	1.14	58.4	1.15	47
—	—	16.1	1.01	21.6	1.04	27.1	1.06	31.6	1.09	39.1	1.12	43.1	1.13	47.1	1.14	51.1	1.15	48
26.9	0.99	32.4	1.02	37.9	1.05	43.4	1.07	47.9	1.10	55.4	1.12	59.4	1.14	63.4	1.15	67.4	1.16	49
26.7	0.99	32.2	1.02	37.7	1.05	43.2	1.07	47.7	1.10	55.2	1.12	59.2	1.14	63.2	1.15	67.2	1.16	50
A36		A40		A45		A50		A55		A60		A65		A70		A75		
13.1	0.88	15.1	0.90	17.6	0.93	20.1	0.95	22.6	0.97	25.1	0.98	27.6	1.00	30.1	1.01	32.6	1.02	51
12.9	0.88	14.9	0.90	17.4	0.93	19.9	0.95	22.4	0.97	24.9	0.98	27.4	1.00	29.9	1.01	32.4	1.02	52
11.6	0.88	13.6	0.90	16.1	0.93	18.6	0.95	21.1	0.97	23.6	0.98	26.1	1.00	28.6	1.01	31.1	1.02	53
11.4	0.88	13.4	0.90	15.9	0.93	18.4	0.95	20.9	0.97	23.4	0.98	25.9	1.00	28.4	1.01	30.9	1.02	54
11.1	0.88	13.1	0.89	15.6	0.93	18.1	0.95	20.6	0.97	23.1	0.98	25.6	1.00	28.1	1.01	30.6	1.02	55
A36		A40		A45		A50		A55		A60		A65		A70		A75		
10.8	0.88	12.8	0.89	15.3	0.93	17.8	0.95	20.3	0.97	22.8	0.98	25.3	1.00	27.8	1.01	30.3	1.02	56
9.8	0.87	11.8	0.89	14.3	0.93	16.8	0.95	19.3	0.97	21.8	0.98	24.3	1.00	26.8	1.01	29.3	1.02	57
9.3	0.87	11.3	0.89	13.8	0.93	16.3	0.95	18.8	0.97	21.3	0.98	23.8	1.00	26.3	1.01	28.8	1.02	58
9.0	0.87	11.0	0.89	13.5	0.93	16.0	0.95	18.5	0.97	21.0	0.98	23.5	1.00	26.0	1.01	28.5	1.02	59
—	—	9.8	0.89	12.3	0.93	14.8	0.95	17.3	0.97	19.8	0.98	22.3	1.00	24.8	1.01	27.3	1.02	60
A54		A63		A72		A81		A90		A98		A105		A112		A128		
16.5	0.96	21.0	0.99	25.5	1.01	30.0	1.04	34.5	1.05	38.5	1.09	42.0	1.10	45.5	1.11	53.5	1.13	61
16.2	0.96	20.7	0.99	25.2	1.01	29.7	1.04	34.2	1.05	38.2	1.09	41.7	1.10	45.2	1.11	53.2	1.13	62
15.9	0.96	20.4	0.99	24.9	1.01	29.4	1.04	33.9	1.05	37.9	1.09	41.4	1.10	44.9	1.11	52.9	1.13	63
12.3	0.96	16.8	0.99	21.3	1.01	25.8	1.03	30.3	1.05	34.3	1.08	37.8	1.10	41.3	1.11	49.3	1.13	64
—	—	13.8	0.98	18.3	1.01	22.8	1.03	27.3	1.05	31.3	1.08	34.8	1.10	38.3	1.11	46.3	1.13	65
A63		A74		A85		A96		A105		A120		A128		A136		A144		
—	—	17.7	1.01	23.2	1.04	28.7	1.06	33.2	1.10	40.7	1.12	44.7	1.13	48.7	1.14	52.7	1.15	66
—	—	16.0	1.01	21.5	1.04	27.0	1.06	31.5	1.09	39.0	1.12	43.0	1.13	47.0	1.14	51.0	1.15	67
27.4	0.99	32.9	1.02	38.4	1.05	43.9	1.07	48.4	1.10	55.9	1.12	59.9	1.14	63.9	1.15	67.9	1.16	68
27.2	0.99	32.7	1.02	38.2	1.05	43.7	1.07	48.2	1.10	55.7	1.12	59.7	1.14	63.7	1.15	67.7	1.16	69
27.0	0.99	32.5	1.02	38.0	1.05	43.5	1.07	48.0	1.10	55.5	1.12	59.5	1.14	63.5	1.15	67.5	1.16	70
A36		A40		A45		A50		A55		A60		A65		A70		A75		
12.2	0.88	14.2	0.90	16.7	0.93	19.2	0.95	21.7	0.97	24.2	0.98	26.7	1.00	29.2	1.01	31.7	1.02	71
12.1	0.88	14.1	0.90	16.6	0.93	19.1	0.95	21.6	0.97	24.1	0.98	26.6	1.00	29.1	1.01	31.6	1.02	72
11.7	0.88	13.7	0.90	16.2	0.93	18.7	0.95	21.2	0.97	23.7	0.98	26.2	1.00	28.7	1.01	31.2	1.02	73
10.6	0.87	12.6	0.89	15.1	0.93	17.6	0.95	20.1	0.97	22.6	0.98	25.1	1.00	27.6	1.01	30.1	1.02	74
10.1	0.87	12.1	0.89	14.6	0.93	17.1	0.95	19.6	0.97	22.1	0.98	24.6	1.00	27.1	1.01	29.6	1.02	75

B

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Datum Diameter Driver	Datum Diameter Driven	Type Fix.	Type Var.	Nominal Driven Speeds and Horsepower per Belt — 3500 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	1750 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	Center Distance in inches and "F" Factor for Browning Belts: Belt No	C.D.	F	Belt No	C.D.	F	Belt No	C.D.	F
1	1.09	1	6	6.0	6.6	X	X	3211	10.64	12.19	1605	7.31	7.81	A24	—	—	A28	—	—	A32	—	—
2	1.09	1	10	6.2	6.8	X	X	3211	10.98	12.61	1605	7.63	8.13		—	—		—	—		—	—
3	1.09	1	10	6.4	7.0	X	—	3211	11.30	13.01	1605	7.93	8.45		—	—		—	—		—	—
4	1.09	2	2	6.9	7.6	—	X	—	—	—	1605	8.69	9.23		—	—		—	—		—	—
5	1.09	1	1	7.0	7.7	X	X	—	—	—	1605	8.83	9.38		—	—		—	—		—	—
6	1.09	1	1	7.2	7.9	X	—	—	—	—	1605	9.13	9.69	A28	—	—	A36	—	—	A44	10.8	0.91
7	1.09	1	1	7.9	8.7	X	—	—	—	—	1605	10.12	10.73		—	—		—	—		—	—
8	1.09	1	1	9.8	10.7	X	—	—	—	—	1605	12.56	13.36		—	—		—	—		—	—
9	1.09	1	3	10.2	11.2	X	—	—	—	—	1605	13.02	13.87		—	—		—	—		—	—
10	1.09	1	1	10.7	11.7	X	—	—	—	—	1605	13.57	14.49		—	—		—	—		—	—
11	1.10	1	1	2.6	2.9	X	—	3181	2.47	3.11	1590	1.66	2.23	A24	8.3	0.81	A28	10.3	0.83	A32	12.3	0.86
12	1.10	2	2	2.7	3.0	—	X	3181	2.69	3.38	1590	1.79	2.40		8.2	0.81		10.2	0.83		12.2	0.86
13	1.10	1	1	2.8	3.1	X	X	3181	2.90	3.65	1590	1.91	2.56		8.0	0.81		10.0	0.83		12.0	0.86
14	1.10	1	1	3.5	3.9	X	—	3181	4.72	5.67	1590	3.12	3.68		6.8	0.80		8.8	0.83		10.8	0.86
15	1.10	1	2	3.6	4.0	X	X	3181	5.00	5.98	1590	3.30	3.63		6.7	0.80		8.7	0.83		10.7	0.86
16	1.10	1	1	3.7	4.1	X	—	3181	5.29	6.28	1590	3.48	3.98	A24	6.5	0.80	A28	8.5	0.83	A32	10.5	0.86
17	1.10	1	2	3.8	4.2	X	X	3181	5.57	6.57	1590	3.65	4.14		6.4	0.80		8.4	0.83		10.4	0.86
18	1.10	1	3	4.4	4.9	X	X	3181	7.17	8.28	1590	4.69	5.13		—	—		7.3	0.83		9.3	0.85
19	1.10	1	2	4.7	5.2	X	X	3181	7.91	9.09	1590	5.20	5.65		—	—		6.9	0.83		8.9	0.85
20	1.10	1	6	5.4	6.0	X	—	3181	9.48	10.84	1590	6.36	6.83		—	—		—	—		7.7	0.85
21	1.10	1	6	5.6	6.2	X	X	3181	9.89	11.31	1590	6.68	7.16	A24	—	—	A29	—	—	A34	8.4	0.86
22	1.10	1	6	5.8	6.4	X	—	3181	10.27	11.76	1590	7.00	7.48		—	—		—	—		8.1	0.86
23	1.10	1	3	6.2	6.9	X	X	3181	10.98	12.61	1590	7.63	8.13		—	—		—	—		—	—
24	1.10	1	3	6.7	7.4	X	X	3181	11.74	13.58	1590	8.39	8.92		—	—		—	—		—	—
25	1.10	1	10	7.4	8.2	X	—	—	—	—	1590	9.42	9.99		—	—		—	—		—	—
26	1.10	1	1	8.8	9.7	X	—	—	—	—	1590	11.32	12.02	A28	—	—	A36	—	—	A44	—	—
27	1.10	1	3	9.2	10.2	X	—	—	—	—	1590	11.83	12.57		—	—		—	—		—	—
28	1.10	1	1	9.7	10.7	X	—	—	—	—	1590	12.44	13.23		—	—		—	—		—	—
29	1.10	1	1	10.7	11.8	X	—	—	—	—	1590	13.57	14.49		—	—		—	—		—	—
30	1.11	1	1	2.4	2.7	X	—	3153	2.04	2.56	1576	1.40	1.90		10.6	0.83		14.6	0.88		18.6	0.91
31	1.11	1	3	3.2	3.6	X	—	3153	3.83	4.75	1576	2.58	3.21	A24	7.3	0.80	A28	9.3	0.83	A32	11.3	0.86
32	1.11	1	2	3.3	3.7	—	X	3153	4.13	5.06	1576	2.76	3.36		7.2	0.80		9.2	0.83		11.2	0.86
33	1.11	1	2	3.4	3.8	X	X	3153	4.42	5.37	1576	2.94	3.52		7.0	0.80		9.0	0.83		11.0	0.86
34	1.11	1	2	4.1	4.6	—	X	3153	6.39	7.44	1576	4.18	4.60		—	—		7.8	0.83		9.8	0.85
35	1.11	1	2	4.2	4.7	X	X	3153	6.65	7.72	1576	4.35	4.78		—	—		7.7	0.83		9.7	0.85
36	1.11	1	2	4.3	4.8	—	X	3153	6.91	8.00	1576	4.52	4.95	A24	—	—	A28	7.5	0.83	A32	9.5	0.85
37	1.11	1	6	5.0	5.6	X	X	3153	8.61	9.86	1576	5.70	6.16		—	—		—	—		8.3	0.85
38	1.11	1	6	5.2	5.8	X	X	3153	9.06	10.36	1576	6.03	6.49		—	—		—	—		8.0	0.85
39	1.11	1	2	5.7	6.4	X	X	3153	10.08	11.53	1576	6.84	7.32		—	—		—	—		—	—
40	1.11	1	2	5.9	6.6	X	X	3153	10.46	11.98	1576	7.16	7.65		—	—		—	—		—	—
41	1.11	1	2	6.0	6.7	X	X	3153	10.64	12.19	1576	7.31	7.81	A24	—	—	A28	—	—	A32	—	—
42	1.11	1	10	6.6	7.4	X	—	3153	11.60	13.39	1576	8.24	8.76		—	—		—	—		—	—
43	1.11	1	10	6.8	7.6	X	—	3153	11.88	13.76	1576	8.54	9.07		—	—		—	—		—	—
44	1.11	1	1	6.9	7.7	X	—	—	—	—	1576	8.69	9.23		—	—		—	—		—	—
45	1.11	1	10	7.0	7.8	X	X	—	—	—	1576	8.83	9.38		—	—		—	—		—	—
46	1.11	1	1	7.8	8.7	X	—	—	—	—	1576	9.98	10.59	A26	—	—	A32	—	—	A38	—	—
47	1.11	1	1	7.9	8.8	X	—	—	—	—	1576	10.12	10.73		—	—		—	—		—	—
48	1.11	1	3	8.2	9.2	X	—	—	—	—	1576	10.53	11.17		—	—		—	—		—	—
49	1.11	1	1	8.7	9.7	X	—	—	—	—	1576	11.19	11.88		—	—		—	—		—	—
50	1.11	1	10	8.8	9.8	X	—	—	—	—	1576	11.32	12.02		—	—		—	—		—	—
51	1.11	1	10	11.8	13.2	X	—	—	—	—	1576	14.68	15.77	A28	—	—	A38	—	—	A48	—	—
52	1.12	1	1	2.9	3.3	X	—	3125	3.15	3.91	1562	2.08	2.72		9.8	0.83		14.8	0.89		19.8	0.94
53	1.12	1	6	3.0	3.4	X	X	3125	3.35	4.21	1562	2.26	2.89		9.6	0.83		14.6	0.89		19.6	0.94
54	1.12	1	2	3.1	3.5	—	X	3125	3.61	4.53	1562	2.44	3.05		9.5	0.83		14.5	0.89		19.5	0.94
55	1.12	1	2	3.7	4.2	X	—	3125	5.38	6.37	1562	3.52	3.98		8.4	0.83		13.4	0.89		18.4	0.94
56	1.12	1	1	3.8	4.3	X	X	3125	5.66	6.67	1562	3.70	4.14	A24	6.3	0.80	A28	8.3	0.83	A32	10.3	0.85
57	1.12	1	1	3.9	4.4	—	X	3125	5.93	6.96	1562	3.87	4.30		6.1	0.80		8.1	0.83		10.1	0.85
58	1.12	1	6	4.6	5.2	X	—	3125	7.76	8.91	1562	5.08	5.52		—	—		7.0	0.83		9.0	0.85
59	1.12	1	6	4.8	5.4	X	—	3125	8.15	9.35	1562	5.37	5.82		—	—		6.6	0.82		8.6	0.85
60	1.12	1	3	5.2	5.9	X	X	3125	9.14	10.45	1562	6.08	6.54		—	—		—	—		7.9	0.85
61	1.12	1	6	6.0	6.8	X	X	3125	10.72	12.28	1562	7.36	7.85	A24	—	—	A28	—	—	A32	—	—
62	1.12	1	10	6.2	7.0	X	X	3125	11.07	12.70	1562	7.67	8.18		—	—		—	—		—	—
63	1.12	1	10	6.4	7.2	X	—	3125	11.39	13.10	1562	7.98	8.49		—	—		—	—		—	—
64	1.12	1	1	6.8	7.7	X	—	3125	11.96	13.85	1562	8.58	9.12		—	—		—	—		—	—
65	1.12	1	3	6.9	7.8	X	—	—	—	—	1562	8.73	9.28		—	—		—	—		—	—
66	1.12	1	1	7.0	7.9	X	X	—	—	—	1562	8.88	9.43	A28	—	—	A38	—	—	A48	12.9	0.94
67	1.12	1	1	7.7	8.7	X	—	—	—	—	1562	9.88	10.49		—	—		—	—		11.8	0.93
68	1.12	1	10	7.8	8.8	X	—	—	—	—	1562	10.02	10.63		—	—		—	—		11.6	0.93
69	1.12	1	1	8.7	9.8	X	—	—	—	—	1562	11.24	11.92		—	—		—	—		—	—
70	1.12	1	1	11.7	13.2	X	—	—	—	—	1562	14.63	15.71		—	—		—	—		—	—
71	1.13	1	1	2.7	3.1	X	—	3097	2.73	3.53	1548	1.81	2.47	A24	8.1	0.80	A28	10.1	0.83	A32	12.1	0.86
72	1.13	2	1	2.8	3.2	X	X	3097	2.94	3.80	1548	1.94	2.63		7.9	0.80		9.9	0.83		11.9	0.86
73	1.13	1	1	3.4	3.9	X	—	3097	4.51	5.46	1548	2.99	3.59		6.9	0.80		8.9	0.83		10.9	0.85
74	1.13	1	2	3.5	4.0	X	X	3097	4.80	5.77	1548	3.17	3.75		6.8	0.80		8.8	0.83		10.8	0.85
75	1.13	1	1	3.6	4.1	X	X	3097	5.09	6.07	1548	3.34	3.90		6.6	0.80		8.6	0.83		10.6	0.85

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts

Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
A36		A40		A45		A50		A55		A60		A65		A70		A75		
8.8	0.87	10.8	0.89	13.3	0.93	15.8	0.95	18.3	0.97	20.8	0.98	23.3	1.00	25.8	1.01	28.3	1.02	1
8.4	0.87	10.4	0.89	12.9	0.93	15.4	0.95	17.9	0.97	20.4	0.98	22.9	1.00	25.4	1.01	27.9	1.02	2
—	—	10.1	0.89	12.6	0.93	15.1	0.95	17.6	0.97	20.1	0.98	22.6	1.00	25.1	1.01	27.6	1.02	3
—	—	9.3	0.89	11.8	0.93	14.3	0.95	16.8	0.96	19.3	0.98	21.8	0.99	24.3	1.01	26.8	1.02	4
—	—	9.1	0.89	11.6	0.93	14.1	0.95	16.6	0.96	19.1	0.98	21.6	0.99	24.1	1.01	26.6	1.02	5
A52		A60		A68		A76		A84		A92		A100		A110		A120		
14.8	0.95	18.8	0.98	22.8	1.00	26.8	1.02	30.8	1.04	34.8	1.06	38.8	1.09	43.8	1.11	48.8	1.12	6
13.6	0.95	17.6	0.98	21.6	1.00	25.6	1.02	29.6	1.04	33.6	1.06	37.6	1.09	42.6	1.11	47.6	1.12	7
—	—	14.6	0.98	18.6	1.00	22.6	1.02	26.6	1.04	30.6	1.06	34.6	1.09	39.6	1.10	44.6	1.12	8
—	—	13.8	0.97	17.8	1.00	21.8	1.02	25.8	1.04	29.8	1.06	33.8	1.09	38.8	1.10	43.8	1.12	9
—	—	13.1	0.97	17.1	1.00	21.1	1.02	25.1	1.04	29.1	1.06	33.1	1.09	38.1	1.10	43.1	1.12	10
A36		A40		A45		A50		A55		A60		A65		A70		A75		
14.3	0.88	16.3	0.90	18.8	0.93	21.3	0.95	23.8	0.97	26.3	0.98	28.8	1.00	31.3	1.01	33.8	1.02	11
14.2	0.88	16.2	0.90	18.7	0.93	21.2	0.95	23.7	0.97	26.2	0.98	28.7	1.00	31.2	1.01	33.7	1.02	12
14.0	0.88	16.0	0.90	18.5	0.93	21.0	0.95	23.5	0.97	26.0	0.98	28.5	1.00	31.0	1.01	33.5	1.02	13
12.8	0.88	14.8	0.90	17.3	0.93	19.8	0.95	22.3	0.97	24.8	0.98	27.3	1.00	29.8	1.01	32.3	1.02	14
12.7	0.88	14.7	0.90	17.2	0.93	19.7	0.95	22.2	0.97	24.7	0.98	27.2	1.00	29.7	1.01	32.2	1.02	15
A36		A40		A45		A50		A55		A60		A65		A70		A75		
12.5	0.88	14.5	0.90	17.0	0.93	19.5	0.95	22.0	0.97	24.5	0.98	27.0	1.00	29.5	1.01	32.0	1.02	16
12.4	0.88	14.4	0.90	16.9	0.93	19.4	0.95	21.9	0.97	24.4	0.98	26.9	1.00	29.4	1.01	31.9	1.02	17
11.3	0.87	13.3	0.89	15.8	0.93	18.3	0.95	20.8	0.97	23.3	0.98	25.8	1.00	28.3	1.01	30.8	1.02	18
10.9	0.87	12.9	0.89	15.4	0.93	17.9	0.95	20.4	0.97	22.9	0.98	25.4	1.00	27.9	1.01	30.4	1.02	19
9.7	0.87	11.7	0.89	14.2	0.93	16.7	0.95	19.2	0.97	21.7	0.98	24.2	1.00	26.7	1.01	29.2	1.02	20
A39		A44		A49		A54		A59		A64		A69		A74		A80		
10.9	0.89	13.4	0.91	15.9	0.94	18.4	0.96	20.9	0.98	23.4	0.99	25.9	1.01	28.4	1.02	31.4	1.03	21
10.6	0.89	13.1	0.91	15.6	0.94	18.1	0.96	20.6	0.98	23.1	0.99	25.6	1.01	28.1	1.02	31.1	1.03	22
9.9	0.88	12.4	0.91	14.9	0.94	17.4	0.96	19.9	0.98	22.4	0.99	24.9	1.01	27.4	1.02	30.4	1.03	23
9.1	0.88	11.6	0.91	14.1	0.94	16.6	0.96	19.1	0.98	21.6	0.99	24.1	1.01	26.6	1.02	29.6	1.03	24
—	—	10.4	0.90	12.9	0.94	15.4	0.96	17.9	0.98	20.4	0.99	22.9	1.00	25.4	1.02	28.4	1.03	25
A52		A60		A68		A76		A84		A92		A100		A110		A120		
12.1	0.95	16.1	0.98	20.1	1.00	24.1	1.02	28.1	1.04	32.1	1.06	36.1	1.09	41.1	1.10	46.1	1.12	26
11.4	0.95	15.4	0.98	19.4	1.00	23.4	1.02	27.4	1.04	31.4	1.06	35.4	1.09	40.4	1.10	45.4	1.12	27
—	—	14.6	0.97	18.6	1.00	22.6	1.02	26.6	1.04	30.6	1.06	34.6	1.09	39.6	1.10	44.6	1.12	28
—	—	13.0	0.97	17.0	1.00	21.0	1.02	25.0	1.04	29.0	1.06	33.0	1.09	38.0	1.10	43.0	1.12	29
22.6	0.96	26.6	0.98	30.6	1.01	34.6	1.03	38.6	1.04	42.6	1.06	46.6	1.09	51.6	1.11	56.6	1.12	30
A36		A40		A45		A50		A55		A60		A65		A70		A75		
13.3	0.88	15.3	0.90	17.8	0.93	20.3	0.95	22.8	0.97	25.3	0.98	27.8	1.00	30.3	1.01	32.8	1.02	31
13.2	0.88	15.2	0.90	17.7	0.93	20.2	0.95	22.7	0.97	25.2	0.98	27.7	1.00	30.2	1.01	32.7	1.02	32
13.0	0.88	15.0	0.90	17.5	0.93	20.0	0.95	22.5	0.97	25.0	0.98	27.5	1.00	30.0	1.01	32.5	1.02	33
11.8	0.87	13.8	0.89	16.3	0.93	18.8	0.95	21.3	0.97	23.8	0.98	26.3	1.00	28.8	1.01	31.3	1.02	34
11.7	0.87	13.7	0.89	16.2	0.93	18.7	0.95	21.2	0.97	23.7	0.98	26.2	1.00	28.7	1.01	31.2	1.02	35
A36		A40		A45		A50		A55		A60		A65		A70		A75		
11.5	0.87	13.5	0.89	16.0	0.93	18.5	0.95	21.0	0.97	23.5	0.98	26.0	1.00	28.5	1.01	31.0	1.02	36
10.3	0.87	12.3	0.89	14.8	0.93	17.3	0.95	19.8	0.97	22.3	0.98	24.8	1.00	27.3	1.01	29.8	1.02	37
10.0	0.87	12.0	0.89	14.5	0.93	17.0	0.95	19.5	0.97	22.0	0.98	24.5	1.00	27.0	1.01	29.5	1.02	38
9.1	0.87	11.1	0.89	13.6	0.93	16.1	0.95	18.6	0.96	21.1	0.98	23.6	1.00	26.1	1.01	28.6	1.02	39
8.8	0.87	10.8	0.89	13.3	0.93	15.8	0.95	18.3	0.96	20.8	0.98	23.3	1.00	25.8	1.01	28.3	1.02	40
A36		A40		A45		A50		A55		A60		A65		A70		A75		
8.7	0.87	10.7	0.89	13.2	0.93	15.7	0.95	18.2	0.96	20.7	0.98	23.2	1.00	25.7	1.01	28.2	1.02	41
—	—	9.7	0.89	12.2	0.93	14.7	0.95	17.2	0.96	19.7	0.98	22.2	0.99	24.7	1.01	27.2	1.02	42
—	—	9.3	0.89	11.8	0.92	14.3	0.94	16.8	0.96	19.3	0.98	21.8	0.99	24.3	1.01	26.8	1.02	43
—	—	9.2	0.89	11.7	0.92	14.2	0.94	16.7	0.96	19.2	0.98	21.7	0.99	24.2	1.01	26.7	1.02	44
—	—	9.0	0.89	11.5	0.92	14.0	0.94	16.5	0.96	19.0	0.98	21.5	0.99	24.0	1.01	26.5	1.02	45
A44		A50		A56		A62		A68		A74		A81		A88		A95		
—	—	12.7	0.94	15.7	0.96	18.7	0.98	21.7	1.00	24.7	1.02	28.2	1.03	31.7	1.05	35.2	1.06	46
—	—	12.5	0.94	15.5	0.96	18.5	0.98	21.5	1.00	24.5	1.02	28.0	1.03	31.5	1.05	35.0	1.06	47
—	—	12.0	0.94	15.0	0.96	18.0	0.98	21.0	1.00	24.0	1.02	27.5	1.03	31.0	1.05	34.5	1.06	48
—	—	11.2	0.94	14.2	0.96	17.2	0.98	20.2	1.00	23.2	1.02	26.7	1.03	30.2	1.05	33.7	1.06	49
—	—	11.0	0.94	14.0	0.96	17.0	0.98	20.0	1.00	23.0	1.02	26.5	1.03	30.0	1.05	33.5	1.06	50
A58		A68		A78		A88		A100		A112		A120		A128		A136		
—	—	15.0	0.99	20.0	1.02	25.0	1.04	31.0	1.08	37.0	1.11	41.0	1.12	45.0	1.13	49.0	1.14	51
24.8	0.98	29.8	1.01	34.8	1.03	39.8	1.05	45.8	1.09	51.8	1.11	55.8	1.12	59.8	1.13	63.8	1.15	52
24.6	0.98	29.6	1.01	34.6	1.03	39.6	1.05	45.6	1.09	51.6	1.11	55.6	1.12	59.6	1.13	63.6	1.15	53
24.5	0.98	29.5	1.01	34.5	1.03	39.5	1.05	45.5	1.09	51.5	1.11	55.5	1.12	59.5	1.13	63.5	1.15	54
23.4	0.98	28.4	1.01	33.4	1.03	38.4	1.05	44.4	1.09	50.4	1.11	54.4	1.12	58.4	1.13	62.4	1.15	55
A36		A40		A45		A50		A55		A60		A65		A70		A75		
12.3	0.88	14.3	0.89	16.8	0.93	19.3	0.95	21.8	0.97	24.3	0.98	26.8	1.00	29.3	1.01	31.8	1.02	56
12.1	0.88	14.1	0.89	16.6	0.93	19.1	0.95	21.6	0.97	24.1	0.98	26.6	1.00	29.1	1.01	31.6	1.02	57
11.0	0.87	13.0	0.89	15.5	0.93	18.0	0.95	20.5	0.97	23.0	0.98	25.5	1.00	28.0	1.01	30.5	1.02	58
10.6	0.87	12.6	0.89	15.1	0.93	17.6	0.95	20.1	0.97	22.6	0.98	25.1	1.00	27.6	1.01	30.1	1.02	59
9.9	0.87	11.9	0.89	14.4	0.93	16.9	0.95	19.4	0.96	21.9	0.98	24.4	1.00	26.9	1.01	29.4	1.02	60
A36		A40		A45		A50		A55		A60		A65		A70		A75		
8.6	0.87	10.6	0.89	13.1	0.93	15.6	0.95	18.1	0.96	20.6	0.98	23.1	0.99	25.6	1.01	28.1	1.02	61
8.3	0.87	10.3	0.89	12.8	0.93	15.3	0.95	17.8	0.96	20.3	0.98	22.8	0.99	25.3	1.01	27.8	1.02	62
—	—	10.0	0.89	12.5	0.93	15.0	0.95	17.5	0.96	20.0	0.98	22.5	0.99	25.0	1.01	27.5	1.02	63
—	—	9.3	0.88	11.8	0.92	14.3	0.94	16.8	0.96	19.3	0.98	21.8	0.99	24.3	1.01	26.8	1.02	64
—	—	9.1	0.88	11.6	0.92	14.1	0.94	16.6	0.96	19.1	0.98	21.6	0.99	24.1	1.01	26.6	1.02	65
A58		A68		A78		A88		A100		A112		A120		A128		A136		
17.9	0.97	22.9	1.00	27.9	1.03	33.0	1.05	39.0	1.09	45.0	1.11	49.0	1.12	53.0	1.13	57.0	1.14	66
16.8	0.97	21.8	1.00	26.8	1.03	31.8	1.05	37.8	1.09	43.8	1.11	47.8	1.12	51.8	1.13	55.8	1.14	67
16.6	0.97	21.6	1.00	26.6	1.03	31.6	1.05	37.6	1.09	43.6	1.11	47.6	1.12	51.6	1.13	55.6	1.14	68
15.1	0.97	20.1	1.00	25.1	1.03	30.1	1.05	36.1	1.09	42.1	1.11	46.1	1.12	50.1	1.13	54.1	1.14	69
—	—	15.1	0.99	20.1	1.02	25.1	1.04	31.1	1.08	37.1	1.10	41.1	1.12	45.1	1.13	49.1	1.14	70
A36		A40		A45		A50		A55		A60		A65		A70		A75		
14.1	0.88	16.1	0.90	18.6	0.93	21.1	0.95	23.6	0.97	26.1	0.98	28.6	1.00	31.1	1.01	33.6	1.02	71
13.9	0.88	15.9	0.90	18.4	0.93	20.9	0.95	23.4	0.97	25.9	0.98	28.4	1.00	30.9	1.01	33.4	1.02	72
12.9	0.88	14.9	0.89	17.4	0.93	19.9	0.95	22.4	0.97	24.9	0.98	27.4	1.00	29.9	1.01	32.4	1.02	73
12.8	0.88	14.8	0.89	17.3	0.93	19.8	0.95	22.3	0.97	24.8	0.98	27.3	1.00	29.8	1.01	32.3	1.02	74
12.6	0.88	14.6	0.89	17.1	0.93	19.6	0.95	22.1	0.97	24.6	0.98	27.1	1.00	29.6	1.01	32.1	1.02	75

B

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Datum Diameter Driver	Datum Diameter Driven	Type Fix.	Type Var.	Nominal Driven Speeds and Horsepower per Belt — 3500 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	1750 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	Center Distance in Inches and "F" Factor for Browning Belts: Belt No.	C.D.	F	Belt No.	C.D.	F	Belt No.	C.D.	F
														A24			A28			A32		
1	1.13	1	2	4.1	4.7	—	X	3097	6.48	7.53	1548	4.22	4.66	—		—	7.7		0.83	9.7		0.85
2	1.13	1	6	4.2	4.8	X	—	3097	6.74	7.82	1548	4.39	4.83	—		—	7.6		0.83	9.6		0.85
3	1.13	1	1	4.3	4.9	X	—	3097	7.00	8.10	1548	4.57	5.00	—		—	7.4		0.83	9.4		0.85
4	1.13	1	6	4.4	5.0	X	X	3097	7.26	8.37	1548	4.74	5.17	—		—	7.3		0.83	9.3		0.85
5	1.13	1	2	4.9	5.6	—	X	3097	8.47	9.70	1548	5.58	6.03	—		—	—		—	8.4		0.85
														A24			A28			A32		
6	1.13	1	2	5.0	5.7	X	X	3097	8.70	9.95	1548	5.75	6.20	—		—	—		—	8.2		0.85
7	1.13	1	6	5.6	6.4	X	X	3097	9.97	11.40	1548	6.72	7.20	—		—	—		—	—		—
8	1.13	1	6	5.8	6.6	X	—	3097	10.36	11.85	1548	7.04	7.53	—		—	—		—	—		—
9	1.13	1	1	5.9	6.7	—	X	3097	10.54	12.07	1548	7.20	7.69	—		—	—		—	—		—
10	1.13	1	1	6.7	7.6	X	X	3097	11.83	13.67	1548	8.43	8.97	—		—	—		—	—		—
														A28			A37			A45		
11	1.13	1	10	7.2	8.2	X	—	—	—	—	1548	9.17	9.74	—		—	—		—	11.0		0.92
12	1.13	1	1	7.7	8.8	X	—	—	—	—	1548	9.88	10.49	—		—	—		—	10.2		0.92
13	1.13	1	1	9.4	10.7	X	—	—	—	—	1548	12.12	12.88	—		—	—		—	—		—
14	1.13	1	3	9.8	11.2	X	—	—	—	—	1548	12.60	13.41	—		—	—		—	—		—
15	1.13	1	1	10.7	12.2	X	—	—	—	—	1548	13.62	14.54	—		—	—		—	—		—
														A24			A28			A32		
16	1.14	1	2	2.6	3.0	X	X	3070	2.52	3.26	1535	1.68	2.30	8.3	0.80		10.3	0.83		12.3	0.86	
17	1.14	1	2	3.2	3.7	X	X	3070	3.91	4.84	1535	2.62	3.28	7.2	0.80		9.2	0.83		11.2	0.85	
18	1.14	1	2	3.3	3.8	—	X	3070	4.21	5.15	1535	2.81	3.44	7.1	0.80		9.1	0.83		11.1	0.85	
19	1.14	1	4	3.8	4.4	X	X	3070	5.66	6.67	1535	3.70	4.21	6.2	0.80		8.2	0.83		10.2	0.85	
20	1.14	1	6	4.0	4.6	X	X	3070	6.21	7.25	1535	4.05	4.51	5.9	0.80		7.9	0.83		9.9	0.85	
														A24			A28			A32		
21	1.14	1	2	4.7	5.4	X	—	3070	8.00	9.18	1535	5.25	5.69	—		—	6.7		0.82	8.7		0.85
22	1.14	1	6	5.2	6.0	X	X	3070	9.14	10.45	1535	6.08	6.54	—		—	—		—	7.8		0.85
23	1.14	1	6	5.4	6.2	X	—	3070	9.57	10.93	1535	6.40	6.87	—		—	—		—	7.5		0.85
24	1.14	1	1	5.8	6.7	X	X	3070	10.36	11.85	1535	7.04	7.53	—		—	—		—	—		—
25	1.14	1	3	5.9	6.8	X	—	3070	10.54	12.07	1535	7.20	7.69	—		—	—		—	—		—
														A24			A28			A32		
26	1.14	1	3	6.0	6.9	X	X	3070	10.72	12.28	1535	7.36	7.85	—		—	—		—	—		—
27	1.14	1	10	6.6	7.6	X	—	3070	11.69	13.49	1535	8.28	8.81	—		—	—		—	—		—
28	1.14	1	1	6.7	7.7	X	X	3070	11.83	13.67	1535	8.43	8.97	—		—	—		—	—		—
29	1.14	1	10	6.8	7.8	X	—	3070	11.96	13.85	1535	8.58	9.12	—		—	—		—	—		—
30	1.14	1	1	6.9	7.9	X	—	—	—	—	1535	8.73	9.28	—		—	—		—	—		—
														A30			A42			A54		
31	1.14	1	1	7.6	8.7	X	—	—	—	—	1535	9.74	10.34	—		—	—		—	14.8		0.96
32	1.14	1	10	8.2	9.4	X	—	—	—	—	1535	10.57	11.22	—		—	—		—	13.8		0.95
33	1.14	1	1	10.2	11.7	X	—	—	—	—	1535	13.07	13.92	—		—	—		—	—		—
34	1.14	1	2	13.2	15.2	X	—	—	—	—	1535	15.91	17.27	—		—	—		—	—		—
35	1.15	1	2	2.4	2.8	X	—	3043	2.09	2.70	1521	1.43	1.97	11.6	0.84		17.6	0.90		23.6	0.96	
														A24			A28			A32		
36	1.15	1	2	3.0	3.5	X	X	3043	3.39	4.32	1521	2.26	2.96	7.5	0.80		9.5	0.83		11.5	0.85	
37	1.15	1	2	3.1	3.6	—	X	3043	3.61	4.57	1521	2.44	3.12	7.4	0.80		9.4	0.83		11.4	0.85	
38	1.15	1	3	3.6	4.2	X	X	3043	5.09	6.07	1521	3.34	3.90	6.5	0.80		8.5	0.83		10.5	0.85	
39	1.15	1	1	3.7	4.3	X	—	3043	5.38	6.37	1521	3.52	4.06	6.4	0.80		8.4	0.83		10.4	0.85	
40	1.15	1	3	4.2	4.9	X	—	3043	6.74	7.82	1521	4.39	4.83	—		—	7.5		0.82	9.5		0.85
														A24			A28			A32		
41	1.15	1	6	4.3	5.0	—	X	3043	7.00	8.10	1521	4.57	5.00	—		—	7.3		0.82	9.3		0.85
42	1.15	1	6	4.8	5.6	X	—	3043	8.24	9.44	1521	5.41	5.86	—		—	—		—	8.5		0.85
43	1.15	1	2	4.9	5.7	—	X	3043	8.47	9.70	1521	5.58	6.03	—		—	—		—	8.3		0.85
44	1.15	1	6	5.0	5.8	X	X	3043	8.70	9.95	1521	5.75	6.20	—		—	—		—	8.2		0.85
45	1.15	1	2	5.7	6.6	X	X	3043	10.17	11.63	1521	6.88	7.37	—		—	—		—	—		—
														A24			A29			A34		
46	1.15	1	10	6.2	7.2	X	X	3043	11.07	12.70	1521	7.67	8.18	—		—	—		—	—		—
47	1.15	1	10	6.4	7.4	X	—	3043	11.39	13.10	1521	7.98	8.49	—		—	—		—	—		—
48	1.15	1	3	6.7	7.8	X	X	3043	11.83	13.67	1521	8.43	8.97	—		—	—		—	—		—
49	1.15	1	1	6.8	7.9	X	—	3043	11.96	13.85	1521	8.58	9.12	—		—	—		—	—		—
50	1.15	1	10	7.6	8.8	X	—	—	—	—	1521	9.74	10.34	—		—	—		—	—		—
														A28			A36			A44		
51	1.15	1	10	8.8	10.2	X	—	—	—	—	1521	11.37	12.06	—		—	—		—	—		—
52	1.15	1	1	9.2	10.7	X	—	—	—	—	1521	11.87	12.61	—		—	—		—	—		—
53	1.15	1	1	9.7	11.2	X	—	—	—	—	1521	12.48	13.28	—		—	—		—	—		—
54	1.15	1	10	10.2	11.8	X	—	—	—	—	1521	13.07	13.92	—		—	—		—	—		—
55	1.16	1	1	2.8	3.3	X	X	3017	2.98	03.80	1508	1.96	2.63	9.9	0.83		13.9	0.88		17.9	0.91	
														A24			A28			A32		
56	1.16	1	2	2.9	3.4	—	X	3017	3.19	4.06	1508	2.12	2.80	7.7	0.80		9.7	0.83		11.7	0.85	
57	1.16	1	6	3.4	4.0	X	—	3017	4.60	5.46	1508	3.03	3.59	6.8	0.80		8.8	0.83		10.8	0.85	
58	1.16	1	1	3.5	4.1	X	—	3017	4.89	5.77	1508	3.21	3.75	6.7	0.80		8.7	0.83		10.7	0.85	
59	1.16	1	2	4.0	4.7	X	X	3017	6.29	7.25	1508	4.09	4.51	—		—	7.8		0.82	9.8		0.85
60	1.16	1	6	4.1	4.8	—	X	3017	6.56	7.53	1508	4.27	4.66	—		—	7.7		0.82	9.7		0.85
														A24			A28			A32		
61	1.16	1	6	4.6	5.4	X	—	3017	7.84	8.91	1508	5.12	5.52	—		—	6.8		0.82	8.8		0.85
62	1.16	1	1	5.7	6.7	X	X	3017	10.26	11.63	1508	6.93	7.37	—		—	—		—	—		—
63	1.16	1	6	5.8	6.8	X	—	3017	10.45	11.85	1508	7.09	7.53	—		—	—		—	—		—
64	1.16	1	3	5.9	6.9	X	—	3017	10.63	12.07	1508	7.24	7.69	—		—	—		—	—		—
65	1.16	1	6	6.0	7.0	X	X	3017	10.81	12.28	1508	7.40	7.85	—		—	—		—	—		—
														A30			A41			A52		
66	1.16	1	1	6.6	7.7	X	—	3017	11.78	13.49	1508	8.32	8.81	—		—	9.9		0.89	15.4		0.95
67	1.16	1	10	7.0	8.2	X	X	—	—	—	1508	8.92	9.43	—		—	9.2		0.88	14.7		0.95
68	1.16	1	1	7.9	9.2	X	—	—	—	—	1508	10.21	10.78	—		—	—		—	13.2		0.95
69	1.16	1	1	8.7	10.2	X	—	—	—	—	1508	11.28	11.92	—		—	—		—	11.8		0.94
70	1.16	1	3	12.2	14.2	X	—	—	—	—	1508	15.13	16.25	—		—	—		—	—		—
														A24			A28			A32		
71	1.17	1	1	2.6	3.1	X	—	2991	2.56	3.26	1495	1.70	2.30	8.2	0.80		10.2	0.83		12.2	0.85	
72	1.17	1	2	2.7	3.2	—	X	2991	2.77	3.53	1495	1.83	2.47	8.0	0.80		10.0	0.83		12.0	0.85	
73	1.17	1	6	3.2	3.8	X	—	2991	4.00	4.84	1495	2.67	3.28	7.1	0.80		9.2	0.83		11.2	0.85	
74	1.17	1	1	3.3	3.9	X	X	2991	4.30	5.15	1495	2.85	3.44	7.0	0.80		9.0	0.83		11.0	0.85	
75	1.17	1	2	3.7	4.4	X	—	2991	5.46	6.37	1495	3.56	4.06	6.3	0.80		8.3	0.83		10.3	0.85	

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) In Inches and Arc-Length Factor (F) using Browning Belts

Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
A36		**A40**		**A45**		**A50**		**A55**		**A60**		**A65**		**A70**		**A75**		
11.7	0.87	13.7	0.89	16.2	0.93	18.7	0.95	21.2	0.97	23.7	0.98	26.2	1.00	28.7	1.01	31.2	1.02	1
11.6	0.87	13.6	0.89	16.1	0.93	18.6	0.95	21.1	0.97	23.6	0.98	26.1	1.00	28.6	1.01	31.1	1.02	2
11.4	0.87	13.4	0.89	15.9	0.93	18.4	0.95	20.9	0.97	23.4	0.98	25.9	1.00	28.4	1.01	30.9	1.02	3
11.3	0.87	13.3	0.89	15.8	0.93	18.3	0.95	20.8	0.97	23.3	0.98	25.8	1.00	28.3	1.01	30.8	1.02	4
10.4	0.87	12.4	0.89	14.9	0.93	17.4	0.95	19.9	0.96	22.4	0.98	24.9	1.00	27.4	1.01	29.9	1.02	5
A36		**A40**		**A45**		**A50**		**A55**		**A60**		**A65**		**A70**		**A75**		
10.2	0.87	12.2	0.89	14.7	0.93	17.2	0.95	19.7	0.96	22.2	0.98	24.7	1.00	27.2	1.01	29.7	1.02	6
9.2	0.87	11.2	0.89	13.7	0.93	16.2	0.95	18.7	0.96	21.2	0.98	23.7	0.99	26.2	1.01	28.7	1.02	7
8.9	0.87	10.9	0.89	13.4	0.93	15.9	0.95	18.4	0.96	20.9	0.98	23.4	0.99	25.9	1.01	28.4	1.02	8
8.7	0.87	10.8	0.89	13.3	0.93	15.8	0.95	18.3	0.96	20.8	0.98	23.3	0.99	25.8	1.01	28.3	1.02	9
—	—	9.4	0.89	11.9	0.92	14.4	0.94	16.9	0.96	19.4	0.98	21.9	0.99	24.4	1.01	26.9	1.02	10
A54		**A63**		**A72**		**A81**		**A90**		**A98**		**A105**		**A112**		**A128**		
15.6	0.98	20.1	0.99	24.6	1.01	29.1	1.03	33.6	1.05	37.6	1.08	41.1	1.10	44.6	1.11	52.6	1.13	11
14.7	0.96	19.2	0.99	23.7	1.01	28.2	1.03	32.7	1.05	36.7	1.08	40.2	1.10	43.7	1.11	51.7	1.13	12
11.9	0.95	16.4	0.98	20.9	1.01	25.4	1.03	29.9	1.05	33.9	1.08	37.4	1.09	40.9	1.11	48.9	1.13	13
—	—	15.6	0.98	20.2	1.01	24.7	1.03	29.2	1.05	33.2	1.08	36.7	1.09	40.2	1.11	48.2	1.13	14
—	—	14.2	0.98	18.7	1.00	23.2	1.03	27.7	1.05	31.7	1.08	35.2	1.09	38.7	1.10	46.7	1.13	15
A36		**A40**		**A45**		**A50**		**A55**		**A60**		**A65**		**A70**		**A75**		
14.3	0.88	16.3	0.90	18.8	0.93	21.3	0.95	23.8	0.97	26.3	0.98	28.8	1.00	31.3	1.01	33.8	1.02	16
13.2	0.88	15.2	0.89	17.7	0.93	20.2	0.95	22.7	0.97	25.2	0.98	27.7	1.00	30.2	1.01	32.7	1.02	17
13.1	0.88	15.1	0.89	17.6	0.93	20.1	0.95	22.6	0.97	25.1	0.98	27.6	1.00	30.1	1.01	32.6	1.02	18
12.2	0.87	14.2	0.89	16.7	0.93	19.2	0.95	21.7	0.97	24.2	0.98	26.7	1.00	29.2	1.01	31.7	1.02	19
11.9	0.87	13.9	0.89	16.4	0.93	18.9	0.95	21.4	0.97	23.9	0.98	26.4	1.00	28.9	1.01	31.4	1.02	20
A36		**A40**		**A45**		**A50**		**A55**		**A60**		**A65**		**A70**		**A75**		
10.7	0.87	12.7	0.89	15.2	0.93	17.7	0.95	20.2	0.97	22.7	0.98	25.2	1.00	27.7	1.01	30.2	1.02	21
9.8	0.87	11.9	0.89	14.4	0.93	16.9	0.95	19.4	0.96	21.9	0.98	24.4	0.99	26.9	1.01	29.4	1.02	22
9.5	0.87	11.5	0.89	14.0	0.93	16.5	0.95	19.0	0.96	21.5	0.98	24.0	0.99	26.5	1.01	29.0	1.02	23
8.8	0.87	10.8	0.89	13.3	0.92	15.8	0.94	18.3	0.96	20.8	0.98	23.3	0.99	25.8	1.01	28.3	1.02	24
8.7	0.87	10.7	0.89	13.2	0.92	15.7	0.94	18.2	0.96	20.7	0.98	23.2	0.99	25.7	1.01	28.2	1.02	25
A36		**A40**		**A45**		**A50**		**A55**		**A60**		**A65**		**A70**		**A75**		
8.5	0.87	10.5	0.89	13.0	0.92	15.5	0.94	18.0	0.96	20.5	0.98	23.0	0.99	25.5	1.01	28.0	1.02	26
—	—	9.5	0.88	12.0	0.92	14.5	0.94	17.0	0.96	19.5	0.98	22.0	0.99	24.5	1.01	27.0	1.02	27
—	—	9.3	0.88	11.8	0.92	14.3	0.94	16.8	0.96	19.3	0.98	21.8	0.99	24.3	1.01	26.8	1.02	28
—	—	9.2	0.88	11.7	0.92	14.2	0.94	16.7	0.96	19.2	0.98	21.7	0.99	24.2	1.01	26.7	1.02	29
—	—	9.0	0.88	11.5	0.92	14.0	0.94	16.5	0.96	19.0	0.98	21.5	0.99	24.0	1.01	26.5	1.02	30
A65		**A76**		**A87**		**A98**		**A110**		**A120**		**A136**		**A144**		**A158**		
20.3	0.99	25.8	1.02	31.3	1.05	36.9	1.08	42.9	1.10	47.9	1.12	55.9	1.14	59.9	1.15	66.9	1.17	31
19.3	0.99	24.8	1.02	30.3	1.05	35.8	1.08	41.8	1.10	46.8	1.12	54.8	1.14	58.8	1.15	65.8	1.17	32
15.9	0.98	21.4	1.02	26.9	1.04	32.4	1.08	38.5	1.10	43.5	1.12	51.5	1.14	55.5	1.15	62.5	1.17	33
—	—	16.3	1.01	21.8	1.04	27.3	1.08	33.3	1.10	38.3	1.11	46.3	1.14	50.3	1.15	57.3	1.17	34
29.1	1.00	34.6	1.03	40.1	1.05	45.6	1.09	51.6	1.11	56.6	1.12	64.6	1.15	68.6	1.16	75.6	1.17	35
A36		**A40**		**A45**		**A50**		**A55**		**A60**		**A65**		**A70**		**A75**		
13.5	0.88	15.5	0.89	18.0	0.93	20.5	0.95	23.0	0.97	25.5	0.98	28.0	1.00	30.5	1.01	33.0	1.02	36
13.4	0.88	15.4	0.89	17.9	0.93	20.4	0.95	22.9	0.97	25.4	0.98	27.9	1.00	30.4	1.01	32.9	1.02	37
12.5	0.87	14.5	0.89	17.0	0.93	19.5	0.95	22.0	0.97	24.5	0.98	27.0	1.00	29.5	1.01	32.0	1.02	38
12.4	0.87	14.4	0.89	16.9	0.93	19.4	0.95	21.9	0.97	24.4	0.98	26.9	1.00	29.4	1.01	31.9	1.02	39
11.5	0.87	13.5	0.89	16.0	0.93	18.5	0.95	21.0	0.97	23.5	0.98	26.0	1.00	28.5	1.01	31.0	1.02	40
A36		**A40**		**A45**		**A50**		**A55**		**A60**		**A65**		**A70**		**A75**		
11.3	0.87	13.3	0.89	15.8	0.93	18.3	0.95	20.8	0.97	23.3	0.98	25.8	1.00	28.3	1.01	30.8	1.02	41
10.5	0.87	12.5	0.89	15.0	0.93	17.5	0.95	20.0	0.96	22.5	0.98	25.0	0.99	27.5	1.01	30.0	1.02	42
10.3	0.87	12.3	0.89	14.8	0.93	17.3	0.95	19.8	0.96	22.3	0.98	24.8	0.99	27.3	1.01	29.8	1.02	43
10.2	0.87	12.2	0.89	14.7	0.93	17.2	0.95	19.7	0.96	22.2	0.98	24.7	0.99	27.2	1.01	29.7	1.02	44
9.0	0.87	11.0	0.89	13.5	0.92	16.0	0.94	18.5	0.96	21.0	0.98	23.5	0.99	26.0	1.01	28.5	1.02	45
A39		**A44**		**A49**		**A54**		**A59**		**A64**		**A69**		**A74**		**A80**		
9.6	0.88	12.1	0.90	14.6	0.94	17.1	0.96	19.6	0.97	22.1	0.99	24.6	1.00	27.1	1.02	30.1	1.03	46
9.3	0.88	11.8	0.90	14.3	0.94	16.8	0.96	19.3	0.97	21.8	0.99	24.3	1.00	26.8	1.02	29.8	1.03	47
8.8	0.88	11.3	0.90	13.8	0.94	16.3	0.96	18.8	0.97	21.3	0.99	23.8	1.00	26.3	1.02	29.3	1.03	48
—	—	11.1	0.90	13.6	0.94	16.1	0.96	18.6	0.97	21.1	0.99	23.6	1.00	26.1	1.02	29.1	1.03	49
—	—	9.8	0.90	12.3	0.93	14.8	0.95	17.3	0.97	19.8	0.99	22.3	1.00	24.8	1.01	27.8	1.03	50
A52		**A60**		**A68**		**A76**		**A84**		**A92**		**A100**		**A110**		**A120**		
11.7	0.94	15.7	0.97	19.7	1.00	23.7	1.02	27.7	1.04	31.7	1.05	35.7	1.08	40.7	1.10	45.7	1.12	51
—	—	15.0	0.97	19.0	0.99	23.0	1.02	27.0	1.04	31.0	1.05	35.0	1.08	40.0	1.10	45.0	1.12	52
—	—	14.2	0.97	18.2	0.99	22.2	1.02	26.2	1.04	30.2	1.05	34.2	1.08	39.2	1.10	44.2	1.12	53
—	—	13.4	0.97	17.4	0.99	21.4	1.02	25.4	1.03	29.4	1.05	33.4	1.08	38.4	1.10	43.4	1.12	54
21.9	0.96	25.9	0.98	29.9	1.01	33.9	1.03	37.9	1.04	41.9	1.0t6	45.9	1.09	50.9	1.11	55.9	1.12	55
A36		**A40**		**A45**		**A50**		**A55**		**A60**		**A65**		**A70**		**A75**		
13.7	0.88	15.7	0.89	18.2	0.93	20.7	0.95	23.2	0.97	25.7	0.98	28.2	1.00	30.7	1.01	33.2	1.02	56
12.8	0.87	14.8	0.89	17.3	0.93	19.8	0.95	22.3	0.97	24.8	0.98	27.3	1.00	29.8	1.01	32.3	1.02	57
12.7	0.87	14.7	0.89	17.2	0.93	19.7	0.95	22.2	0.97	24.7	0.98	27.2	1.00	29.7	1.01	32.2	1.02	58
11.8	0.87	13.8	0.89	16.3	0.93	18.8	0.95	21.3	0.97	23.8	0.98	26.3	1.00	28.8	1.01	31.3	1.02	59
11.7	0.87	13.7	0.89	16.2	0.93	18.7	0.95	21.2	0.97	23.7	0.98	26.2	1.00	28.7	1.01	31.2	1.02	60
A36		**A40**		**A45**		**A50**		**A55**		**A60**		**A65**		**A70**		**A75**		
10.8	0.87	12.8	0.89	15.3	0.93	17.8	0.95	20.3	0.96	22.8	0.98	25.3	0.99	27.8	1.01	30.3	1.02	61
8.9	0.86	10.9	0.89	13.4	0.92	15.9	0.94	18.4	0.96	20.9	0.98	23.4	0.99	25.9	1.01	28.4	1.02	62
8.7	0.86	10.7	0.89	13.2	0.92	15.8	0.94	18.3	0.96	20.8	0.98	23.3	0.99	25.8	1.01	28.3	1.02	63
8.6	0.86	10.6	0.89	13.1	0.92	15.6	0.94	18.1	0.96	20.6	0.98	23.1	0.99	25.6	1.01	28.1	1.02	64
8.4	0.86	10.4	0.89	12.9	0.92	15.4	0.94	17.9	0.96	20.4	0.98	22.9	0.99	25.4	1.01	27.9	1.02	65
A63		**A74**		**A85**		**A96**		**A105**		**A120**		**A128**		**A136**		**A144**		
20.9	0.99	26.4	1.02	31.9	1.04	37.4	1.06	41.9	1.10	49.4	1.12	53.4	1.13	57.4	1.14	61.4	1.15	66
20.2	0.98	25.7	1.02	31.2	1.04	36.7	1.06	41.2	1.10	48.7	1.12	52.7	1.13	56.7	1.14	60.7	1.15	67
18.7	0.98	24.2	1.01	29.7	1.04	35.2	1.06	39.7	1.09	47.2	1.12	51.2	1.13	55.2	1.14	59.2	1.15	68
17.3	0.98	22.8	1.01	28.3	1.04	33.8	1.06	38.3	1.09	45.8	1.12	49.8	1.13	53.8	1.14	57.8	1.15	69
—	—	16.9	1.00	22.4	1.03	27.9	1.06	32.4	1.09	39.9	1.12	43.9	1.13	47.9	1.14	51.9	1.15	70
A36		**A40**		**A45**		**A50**		**A55**		**A60**		**A65**		**A70**		**A75**		
14.2	0.88	16.2	0.89	18.7	0.93	21.2	0.95	23.7	0.97	26.2	0.98	28.7	1.00	31.2	1.01	33.7	1.02	71
14.0	0.88	16.0	0.89	18.5	0.93	21.0	0.95	23.5	0.97	26.0	0.98	28.5	1.00	31.0	1.01	33.5	1.02	72
13.2	0.87	15.2	0.89	17.7	0.93	20.2	0.95	22.7	0.97	25.2	0.98	27.7	1.00	30.2	1.01	32.7	1.02	73
13.0	0.87	15.0	0.89	17.5	0.93	20.0	0.95	22.5	0.97	25.0	0.98	27.5	1.00	30.0	1.01	32.5	1.02	74
12.3	0.87	14.3	0.89	16.8	0.93	19.3	0.95	21.8	0.97	24.3	0.98	26.8	1.00	29.3	1.01	31.8	1.02	75

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Datum Diameter Driver	Datum Diameter Driven	Type Fix.	Type Var.	Nominal Driven Speeds and Horsepower per Belt — 3500 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	1750 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	Center Distance in Inches and "F" Factor for Browning Belts: Belt No.	C.D.	F	Belt No.	C.D.	F	Belt No.	C.D.	F
														A24			A28			A32		
1	1.17	1	1	3.9	4.6	X	—	2991	6.02	6.96	1495	3.92	4.36	6.0		0.80	8.0		0.83	10.0		0.85
2	1.17	1	6	4.4	5.2	X	X	2991	7.34	8.37	1495	4.78	5.17	—		—	7.1		0.82	9.1		0.85
3	1.17	1	2	4.9	5.8	—	X	2991	8.56	9.70	1495	5.62	6.03	—		—	—		—	8.2		0.84
4	1.17	1	3	5.0	5.9	X	X	2991	8.79	9.95	1495	5.79	6.20	—		—	—		—	8.1		0.84
5	1.17	1	6	5.4	6.4	X	—	2991	9.66	10.93	1495	6.45	6.87	—		—	—		—	—		—
														A24			A30			A36		
6	1.17	1	6	5.6	6.6	X	X	2991	10.06	11.40	1495	6.77	7.20	—		—	—		—	9.1		0.86
7	1.17	1	10	6.6	7.8	X	—	2991	11.78	13.49	1495	6.32	8.81	—		—	—		—	—		—
8	1.17	1	1	6.7	7.9	X	X	2991	11.92	13.67	1495	8.48	8.97	—		—	—		—	—		—
9	1.17	1	1	7.4	8.7	X	—	—	—	—	1495	9.50	10.04	—		—	—		—	—		—
10	1.17	1	3	7.8	9.2	X	—	—	—	—	1495	10.07	10.63	—		—	—		—	—		—
														A30			A41			A52		
11	1.17	1	1	8.2	9.7	X	—	—	—	—	1495	10.62	11.22	—		—	—		—	12.6		0.94
12	1.17	1	3	11.2	13.2	X	—	—	—	—	1495	14.18	15.14	—		—	—		—	—		—
13	1.17	1	3	12.2	14.4	X	—	—	—	—	1495	15.13	16.25	—		—	—		—	—		—
14	1.18	1	2	3.0	3.6	X	X	2966	3.43	4.32	1483	2.32	2.96	10.5		0.84	16.0		0.90	21.5		0.96
15	1.18	1	2	3.1	3.7	—	X	2966	3.72	4.63	1483	2.50	3.12	10.3		0.84	15.8		0.90	21.3		0.96
														A24			A28			A32		
16	1.18	1	2	3.5	4.2	X	—	2966	4.92	5.87	1483	3.22	3.75	6.6		0.80	8.6		0.83	10.6		0.85
17	1.18	1	1	3.6	4.3	X	X	2966	5.20	6.18	1483	3.40	3.90	6.4		0.80	6.4		0.83	10.4		0.85
18	1.18	1	1	4.1	4.9	X	—	2966	6.59	7.64	1483	4.28	4.70	—		—	7.6		0.82	9.6		0.85
19	1.18	1	6	4.2	5.0	X	—	2966	6.85	7.92	1483	4.45	4.88	—		—	7.4		0.82	9.4		0.85
20	1.18	1	2	4.7	5.6	X	—	2966	8.11	9.29	1483	5.30	5.75	—		—	—		—	8.6		0.85
														A24			A28			A32		
21	1.18	1	2	4.8	5.7	X	—	2966	8.32	9.44	1483	5.46	5.86	—		—	—		—	8.4		0.85
22	1.18	1	6	5.2	6.2	X	X	2966	9.26	10.56	1483	6.13	6.59	—		—	—		—	7.7		0.84
23	1.18	1	1	5.6	6.7	X	X	2966	10.09	11.51	1483	6.78	7.26	—		—	—		—	—		—
24	1.18	1	3	5.7	6.8	X	X	2966	10.28	11.73	1483	6.94	7.42	—		—	—		—	—		—
25	1.18	1	3	5.8	6.9	X	—	2966	10.47	11.96	1483	7.10	7.58	—		—	—		—	—		—
														A24			A29			A34		
26	1.18	1	6	5.9	7.0	X	X	2966	10.66	12.18	1483	7.26	7.75	—		—	—		—	—		—
27	1.18	1	10	6.2	7.4	X	X	2966	11.18	12.81	1483	7.73	8.23	—		—	—		—	—		—
28	1.18	1	10	6.4	7.6	X	—	2966	11.50	13.21	1483	8.03	8.55	—		—	—		—	—		—
29	1.18	2	2	6.9	8.2	—	X	—	—	—	1483	8.79	9.33	—		—	—		—	—		—
30	1.18	1	10	7.4	8.8	X	—	—	—	—	1483	9.52	10.09	—		—	—		—	—		—
														A26			A34			A42		
31	1.18	1	1	7.7	9.2	X	—	—	—	—	1483	9.94	10.54	—		—	—		—	—		—
32	1.18	1	1	7.9	9.4	X	—	—	—	—	1483	10.22	10.83	—		—	—		—	—		—
33	1.18	1	3	9.4	11.2	X	—	—	—	—	1483	12.18	12.93	—		—	—		—	—		—
34	1.19	1	1	2.4	2.9	X	—	2941	2.13	2.70	1470	1.45	1.97	9.5		0.82	13.5		0.87	17.5		0.90
35	1.19	1	1	2.9	3.5	X	—	2941	3.22	4.06	1470	2.13	2.80	8.6		0.82	12.6		0.86	16.6		0.90
														A24			A28			A32		
36	1.19	1	1	3.4	4.1	X	—	2941	4.62	5.57	1470	3.04	3.59	6.8		0.80	8.8		0.83	10.8		0.85
37	1.19	1	2	3.9	4.7	—	X	2941	6.05	7.07	1470	3.93	4.36	5.9		0.79	7.9		0.82	9.9		0.85
38	1.19	1	6	4.0	4.8	X	—	2941	6.32	7.35	1470	4.10	4.53	—		—	7.7		0.82	9.7		0.85
39	1.19	1	3	4.9	5.9	X	—	2941	8.58	9.81	1470	5.64	6.09	—		—	—		—	8.2		0.84
40	1.19	1	6	5.0	6.0	X	X	2941	8.81	10.06	1470	5.80	6.26	—		—	—		—	8.0		0.84
														A28			A36			A44		
41	1.19	1	6	6.0	7.2	X	X	2941	10.84	12.39	1470	7.41	7.91	—		—	8.3		0.86	12.3		0.90
42	1.19	1	1	6.4	7.7	X	—	2941	11.50	13.21	1470	8.03	8.55	—		—	—		—	11.6		0.90
43	1.19	1	1	6.6	7.9	X	—	2941	11.80	13.59	1470	8.34	8.86	—		—	—		—	11.2		0.90
44	1.19	1	10	8.2	9.8	X	—	—	—	—	1470	10.63	11.27	—		—	—		—	—		—
45	1.19	1	1	9.8	11.7	X	—	—	—	—	1470	12.66	13.46	—		—	—		—	—		—
														A28			A36			A44		
46	1.19	1	3	10.2	12.2	X	—	—	—	—	1470	13.12	13.97	—		—	—		—	—		—
47	1.20	1	1	2.7	3.3	X	—	2916	2.81	3.53	1458	1.85	2.47	9.9		0.83	13.9		0.87	17.9		0.91
48	1.20	1	2	2.8	3.4	X	X	2916	3.02	3.80	1458	1.97	2.63	9.8		0.83	13.8		0.87	17.8		0.91
49	1.20	1	1	3.2	3.9	X	—	2916	4.03	4.95	1458	2.68	3.28	9.1		0.83	13.1		0.87	17.1		0.91
50	1.20	1	2	3.3	4.0	—	X	2916	4.33	5.26	1458	2.86	3.44	8.9		0.83	12.9		0.87	16.9		0.91
														A24			A28			A32		
51	1.20	1	2	3.8	4.6	X	X	2916	5.77	6.77	1458	3.75	4.21	6.0		0.79	8.0		0.82	10.0		0.85
52	1.20	1	2	4.1	5.0	—	X	2916	6.59	7.64	1458	4.28	4.70	—		—	7.5		0.82	9.5		0.85
53	1.20	1	2	4.3	5.2	—	X	2916	7.11	8.20	1458	4.62	5.05	—		—	7.2		0.82	9.2		0.85
54	1.20	1	6	4.6	5.6	X	—	2916	7.87	9.02	1458	5.13	5.57	—		—	6.6		0.82	8.6		0.84
55	1.20	1	2	4.7	5.7	X	X	2916	8.11	9.29	1458	5.30	5.75	—		—	—		—	8.5		0.84
														A24			A29			A34		
56	1.20	1	6	4.8	5.8	X	—	2916	8.35	9.55	1458	5.47	5.92	—		—	6.8		0.82	9.3		0.86
57	1.20	1	6	5.6	6.8	X	X	2916	10.09	11.61	1458	6.78	7.26	—		—	—		—	7.9		0.85
58	1.20	1	3	5.7	6.9	X	X	2916	10.28	11.73	1458	6.94	7.42	—		—	—		—	—		—
59	1.20	1	6	5.8	7.0	X	—	2916	10.47	11.96	1458	7.10	7.58	—		—	—		—	—		—
60	1.20	1	10	6.8	8.2	X	—	2916	12.08	13.96	1458	8.64	9.17	—		—	—		—	—		—
														A28			A36			A44		
61	1.20	1	1	7.2	8.7	X	—	—	—	—	1458	9.23	9.79	—		—	—		—	10.1		0.89
62	1.20	1	3	7.6	9.2	X	—	—	—	—	1458	9.80	10.39	—		—	—		—	—		—
63	1.20	1	10	7.8	9.4	X	—	—	—	—	1458	10.08	10.69	—		—	—		—	—		—
64	1.20	1	1	9.7	11.7	X	—	—	—	—	1458	12.54	13.33	—		—	—		—	—		—
65	1.20	1	10	9.8	11.8	X	—	—	—	—	1458	12.66	13.46	—		—	—		—	—		—
														A30			A41			A52		
66	1.20	1	3	11.8	14.2	X	—	—	—	—	1458	14.78	15.87	—		—	—		—	—		—
67	1.21	1	2	2.6	3.2	X	—	2892	2.59	3.40	1446	1.72	2.38	11.1		0.84	16.6		0.90	22.1		0.96
68	1.21	1	2	3.0	3.7	X	X	2892	3.46	4.46	1446	2.32	3.03	10.4		0.84	15.9		0.90	21.4		0.96
69	1.21	1	2	3.1	3.8	—	X	2692	3.72	4.72	1446	2.50	3.19	10.2		0.84	15.7		0.90	21.2		0.96
70	1.21	1	1	3.5	4.3	X	—	2892	4.92	5.87	1446	3.22	3.82	9.5		0.84	15.0		0.90	20.5		0.95
														A24			A28			A32		
71	1.21	1	3	3.6	4.4	X	X	2892	5.20	6.18	1446	3.40	3.98	6.4		0.79	8.4		0.82	10.4		0.85
72	1.21	1	2	3.9	4.8	—	X	2892	6.05	7.07	1446	3.93	4.43	—		—	7.8		0.82	9.8		0.85
73	1.21	1	3	4.0	4.9	X	—	2892	6.32	7.35	1446	4.10	4.59	—		—	7.7		0.82	9.7		0.85
74	1.21	1	6	4.4	5.4	X	X	2892	7.37	8.48	1446	4.79	5.23	—		—	6.9		0.82	8.9		0.84
75	1.21	1	2	4.9	6.0	—	X	2892	8.58	9.81	1446	5.64	6.09	—		—	—		—	8.1		0.84

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts

Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
A36		**A40**		**A45**		**A50**		**A55**		**A60**		**A65**		**A70**		**A75**		
12.0	0.87	14.0	0.89	16.5	0.93	19.0	0.95	21.5	0.97	24.0	0.98	26.5	1.00	29.0	1.01	31.5	1.02	1
11.1	0.87	13.1	0.89	15.6	0.93	18.1	0.95	20.6	0.96	23.1	0.98	25.6	0.99	28.1	1.01	30.6	1.02	2
10.2	0.87	12.2	0.89	14.7	0.93	17.2	0.95	19.7	0.96	22.2	0.98	24.7	0.99	27.2	1.01	29.7	1.02	3
10.1	0.87	12.1	0.89	14.6	0.93	17.1	0.95	19.6	0.96	22.1	0.98	24.6	0.99	27.1	1.01	29.6	1.02	4
9.4	0.87	11.4	0.89	13.9	0.92	16.4	0.94	18.9	0.96	21.4	0.98	23.9	0.99	26.4	1.01	28.9	1.02	5
A42		**A48**		**A54**		**A60**		**A66**		**A72**		**A78**		**A84**		**A90**		
12.1	0.90	15.1	0.94	18.1	0.96	21.1	0.98	24.1	1.00	27.1	1.01	30.1	1.03	33.1	1.04	36.1	1.05	6
10.3	0.89	13.3	0.93	16.3	0.96	19.3	0.98	22.3	0.99	25.3	1.01	28.3	1.03	31.3	1.04	34.3	1.05	7
10.2	0.89	13.2	0.93	6.2	0.96	19.2	0.98	22.2	0.99	25.2	1.01	28.2	1.03	31.2	1.04	34.2	1.05	8
—	—	12.0	0.93	15.0	0.95	18.0	0.97	21.0	0.99	24.0	1.01	27.0	1.02	30.0	1.04	33.0	1.05	9
—	—	11.3	0.93	14.3	0.95	17.3	0.97	20.3	0.99	23.3	1.01	26.3	1.02	29.3	1.04	32.3	1.05	10
A63		**A74**		**A85**		**A96**		**A105**		**A120**		**A128**		**A136**		**A144**		
18.1	0.98	23.6	1.01	29.1	1.04	34.6	1.06	39.1	1.09	46.6	1.12	50.6	1.13	54.6	1.14	58.6	1.15	11
—	—	18.5	1.00	24.0	1.03	29.5	1.06	34.0	1.09	41.5	1.12	45.5	1.13	49.5	1.14	53.5	1.15	12
—	—	16.7	1.00	22.2	1.03	27.7	1.06	32.3	1.09	39.8	1.11	43.8	1.13	47.8	1.14	51.8	1.15	13
27.0	0.99	32.5	1.02	38.0	1.05	43.5	1.07	48.0	1.10	55.5	1.12	59.5	1.13	63.5	1.15	67.5	1.16	14
26.8	0.99	32.3	1.02	37.8	1.05	43.3	1.07	47.8	1.10	55.3	1.12	59.3	1.13	63.3	1.15	67.3	1.16	15
A36		**A40**		**A45**		**A50**		**A55**		**A60**		**A65**		**A70**		**A75**		
12.6	0.87	14.6	0.89	17.1	0.93	19.6	0.95	22.1	0.97	24.6	0.98	27.1	1.00	29.6	1.01	32.1	1.02	16
12.4	0.87	14.4	0.89	16.9	0.93	19.4	0.95	21.9	0.97	24.4	0.98	26.9	1.00	29.4	1.01	31.9	1.02	17
11.6	0.87	13.6	0.89	16.1	0.93	18.6	0.95	21.1	0.96	23.6	0.98	26.1	1.00	28.6	1.01	31.1	1.02	18
11.4	0.87	13.4	0.89	15.9	0.93	18.4	0.95	20.9	0.96	23.4	0.98	25.9	1.00	28.4	1.01	30.9	1.02	19
10.6	0.87	12.6	0.89	15.1	0.93	17.6	0.95	20.1	0.96	22.6	0.98	25.1	0.99	27.6	1.01	30.1	1.02	20
A36		**A40**		**A45**		**A50**		**A55**		**A60**		**A65**		**A70**		**A75**		
10.4	0.87	12.4	0.89	14.9	0.93	17.4	0.95	19.9	0.96	22.4	0.98	24.9	0.99	27.4	1.01	29.9	1.02	21
9.7	0.87	11.7	0.89	14.2	0.92	16.7	0.94	19.2	0.96	21.7	0.98	24.2	0.99	26.7	1.01	29.2	1.02	22
9.0	0.86	11.0	0.88	13.5	0.92	16.0	0.94	18.5	0.96	21.0	0.98	23.5	0.99	26.0	1.01	28.5	1.02	23
8.8	0.86	10.8	0.88	13.3	0.92	15.8	0.94	18.3	0.96	20.8	0.98	23.3	0.99	25.8	1.01	28.3	1.02	24
8.7	0.86	10.7	0.88	13.2	0.92	15.7	0.94	18.2	0.96	20.7	0.98	23.2	0.99	25.7	1.01	28.2	1.02	25
A39		**A44**		**A49**		**A54**		**A59**		**A64**		**A69**		**A74**		**A80**		
10.0	0.88	12.5	0.90	15.0	0.94	17.5	0.96	20.0	0.97	22.5	0.99	25.0	1.00	27.5	1.02	30.5	1.03	26
9.5	0.88	12.0	0.90	14.5	0.94	17.0	0.96	19.5	0.97	22.0	0.99	24.5	1.00	27.0	1.02	30.0	1.03	27
9.1	0.88	11.6	0.90	14.1	0.94	16.6	0.96	19.2	0.97	21.7	0.99	24.2	1.00	26.7	1.02	29.7	1.03	28
—	—	10.8	0.90	13.3	0.93	15.8	0.95	18.3	0.97	20.8	0.99	23.3	1.00	25.8	1.01	28.8	1.03	29
—	—	9.9	0.89	12.4	0.93	14.9	0.95	17.4	0.97	19.9	0.99	22.4	1.00	24.9	1.01	27.9	1.03	30
A48		**A55**		**A63**		**A70**		**A77**		**A84**		**A91**		**A98**		**A105**		
11.4	0.93	14.9	0.95	18.9	0.98	22.4	1.00	25.9	1.02	29.4	1.04	32.9	1.05	36.4	1.08	39.9	1.09	31
11.0	0.93	14.6	0.95	18.6	0.98	22.1	1.00	25.6	1.02	29.1	1.04	32.6	1.05	36.1	1.08	39.6	1.09	32
—	—	11.9	0.95	16.0	0.98	19.5	1.00	23.0	1.02	26.5	1.03	30.0	1.05	33.5	1.08	37.0	1.09	33
20.5	0.94	24.0	0.97	28.0	0.99	31.5	1.01	35.0	1.03	38.5	1.04	42.0	1.06	45.5	1.09	49.0	1.10	34
19.6	0.94	23.1	0.97	27.1	0.99	30.6	1.01	34.1	1.03	37.6	1.04	41.1	1.06	44.6	1.09	48.1	1.10	35
A36		**A40**		**A45**		**A50**		**A55**		**A60**		**A65**		**A70**		**A75**		
12.8	0.87	14.8	0.89	17.3	0.93	19.8	0.95	22.3	0.97	24.8	0.98	27.3	1.00	29.8	1.01	32.3	1.02	36
11.9	0.87	13.9	0.89	16.4	0.93	18.9	0.95	21.4	0.96	23.9	0.98	26.4	1.00	28.9	1.01	31.4	1.02	37
11.7	0.87	13.7	0.89	16.2	0.93	18.7	0.95	21.2	0.96	23.7	0.98	26.2	1.00	28.7	1.01	31.2	1.02	38
10.2	0.87	12.2	0.89	14.7	0.92	17.2	0.94	19.7	0.96	22.2	0.98	24.7	0.99	27.2	1.01	29.7	1.02	39
10.0	0.87	12.0	0.89	14.5	0.92	17.0	0.94	19.5	0.96	22.0	0.98	24.5	0.99	27.0	1.01	29.5	1.02	40
A52		**A60**		**A68**		**A76**		**A84**		**A92**		**A100**		**A110**		**A120**		
16.3	0.95	20.3	0.98	24.3	1.00	28.3	1.02	32.3	1.04	36.3	1.06	40.3	1.09	45.3	1.10	50.3	1.12	41
15.6	0.95	19.6	0.98	23.6	1.00	27.6	1.02	31.6	1.04	35.6	1.06	39.6	1.09	44.6	1.10	49.6	1.12	42
15.3	0.95	19.3	0.97	23.3	1.00	27.3	1.02	31.3	1.04	35.3	1.06	39.3	1.09	44.3	1.10	49.3	1.12	43
12.5	0.94	16.5	0.97	20.5	1.00	24.5	1.02	28.5	1.04	32.5	1.05	36.5	1.08	41.5	1.10	46.5	1.12	44
—	—	13.7	0.96	17.7	0.99	21.8	1.01	25.8	1.03	29.8	1.05	33.8	1.08	38.8	1.10	43.8	1.12	45
A52		**A60**		**A68**		**A76**		**A84**		**A92**		**A100**		**A110**		**A120**		
—	—	13.0	0.96	17.0	0.99	21.0	1.01	25.0	1.03	29.0	1.05	33.1	1.08	38.1	1.10	43.1	1.12	46
21.9	0.96	25.9	0.98	29.9	1.00	33.9	1.02	37.9	1.04	41.9	1.06	45.9	1.09	50.9	1.11	55.9	1.12	47
21.8	0.96	25.8	0.98	29.8	1.00	33.8	1.02	37.8	1.04	41.8	1.06	45.8	1.09	50.8	1.11	55.8	1.12	48
21.1	0.96	25.1	0.98	29.1	1.00	33.1	1.02	37.1	1.04	41.1	1.06	45.1	1.09	50.1	1.11	55.1	1.12	49
20.9	0.96	24.9	0.98	28.9	1.00	32.9	1.02	36.9	1.04	40.9	1.06	44.9	1.09	49.9	1.11	54.9	1.12	50
A36		**A40**		**A45**		**A50**		**A55**		**A60**		**A65**		**A70**		**A75**		
12.0	0.87	14.1	0.89	16.6	0.93	19.1	0.95	21.6	0.96	24.1	0.98	26.6	1.00	29.1	1.01	31.6	1.02	51
11.5	0.87	13.5	0.89	16.0	0.93	18.5	0.95	21.0	0.96	23.5	0.98	26.0	0.99	28.5	1.01	31.0	1.02	52
11.2	0.87	13.2	0.89	15.7	0.93	18.2	0.95	20.7	0.96	23.2	0.98	25.7	0.99	28.2	1.01	30.7	1.02	53
10.6	0.87	12.6	0.89	15.1	0.92	17.6	0.94	20.1	0.96	22.6	0.98	25.1	0.99	27.6	1.01	30.1	1.02	54
10.5	0.87	12.5	0.89	15.0	0.92	17.5	0.94	20.0	0.96	22.5	0.98	25.0	0.99	27.5	1.01	30.0	1.02	55
A39		**A44**		**A49**		**A54**		**A59**		**A64**		**A69**		**A74**		**A80**		
11.8	0.88	14.3	0.91	16.8	0.94	19.3	0.96	21.8	0.98	24.3	0.99	26.8	1.00	29.3	1.02	32.3	1.03	56
10.4	0.88	12.9	0.90	15.4	0.94	17.9	0.96	20.4	0.97	22.9	0.99	25.4	1.00	27.9	1.02	30.9	1.03	57
10.2	0.88	12.7	0.90	15.2	0.94	17.7	0.96	20.3	0.97	22.8	0.99	25.3	1.00	27.8	1.02	30.8	1.03	58
10.1	0.88	12.6	0.90	15.1	0.94	17.6	0.96	20.1	0.97	22.6	0.99	25.1	1.00	27.6	1.02	30.6	1.03	59
—	—	10.9	0.90	13.4	0.93	15.9	0.95	18.4	0.97	20.9	0.99	23.4	1.00	25.9	1.01	28.9	1.03	60
A52		**A60**		**A68**		**A76**		**A84**		**A92**		**A100**		**A110**		**A120**		
14.1	0.94	18.2	0.97	22.2	1.00	26.2	1.02	30.2	1.04	34.2	1.05	38.2	1.08	43.2	1.10	48.2	1.12	61
13.4	0.94	17.4	0.97	21.4	1.00	25.4	1.02	29.5	1.04	33.5	1.05	37.5	1.08	42.5	1.10	47.5	1.12	62
13.1	0.94	17.1	0.97	21.1	1.00	25.1	1.02	29.1	1.04	33.1	1.05	37.1	1.08	42.1	1.10	47.1	1.12	63
—	—	13.8	0.96	17.8	0.99	21.8	1.01	25.8	1.03	29.8	1.05	33.8	1.08	38.8	1.10	43.8	1.12	64
—	—	13.7	0.96	17.7	0.99	21.7	1.01	25.7	1.03	29.7	1.05	33.7	1.08	38.7	1.10	43.7	1.12	65
A63		**A74**		**A85**		**A96**		**A105**		**A120**		**A128**		**A136**		**A144**		
—	—	17.2	1.00	22.7	1.03	28.2	1.05	32.7	1.09	40.2	1.11	44.2	1.13	48.2	1.14	52.2	1.15	66
27.6	0.99	33.1	1.02	38.6	1.05	44.1	1.07	48.6	1.10	56.1	1.12	60.1	1.13	64.1	1.15	68.1	1.16	67
26.9	0.99	32.4	1.02	37.9	1.04	43.4	1.07	47.9	1.10	55.4	1.12	59.4	1.13	63.4	1.14	67.4	1.16	68
26.7	0.99	32.2	1.02	37.7	1.04	43.2	1.07	47.7	1.10	55.2	1.12	59.2	1.13	63.2	1.14	67.2	1.16	69
26.0	0.99	31.5	1.02	37.0	1.04	42.5	1.07	47.0	1.10	54.5	1.12	58.5	1.13	62.5	1.14	66.5	1.15	70
A36		**A40**		**A45**		**A50**		**A55**		**A60**		**A65**		**A70**		**A75**		
12.4	0.87	14.4	0.89	16.9	0.93	19.4	0.95	21.9	0.96	24.4	0.98	26.9	1.00	29.4	1.01	31.9	1.02	71
11.8	0.87	13.8	0.89	16.3	0.93	18.8	0.95	21.3	0.96	23.8	0.98	26.3	0.99	28.8	1.01	31.3	1.02	72
11.7	0.87	13.7	0.89	16.2	0.93	18.7	0.95	21.2	0.96	23.7	0.98	26.2	0.99	28.7	1.01	31.2	1.02	73
10.9	0.87	12.9	0.89	15.4	0.93	18.0	0.94	20.5	0.96	23.0	0.98	25.5	0.99	28.0	1.01	30.5	1.02	74
10.1	0.87	12.1	0.89	14.6	0.92	17.1	0.94	19.6	0.96	22.1	0.98	24.6	0.99	27.1	1.01	29.6	1.02	75

B

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Datum Diameter Driver	Datum Diameter Driven	Type Fix.	Type Var.	Nominal Driven Speeds and Horsepower per Belt — 3500 RPM Driver: Nominal Driven Speed	3500 RPM Driver: HP per Belt Super	3500 RPM Driver: HP per Belt Gripnotch	1750 RPM Driver: Nominal Driven Speed	1750 RPM Driver: HP per Belt Super	1750 RPM Driver: HP per Belt Gripnotch	Center Distance in Inches and "F" Factor for Browning Belts: Belt No. C.D.	F	Belt No. C.D.	F	Belt No. C.D.	F
														A24		A29		A34	
1	1.21	1	6	5.4	6.6	X	—	2892	9.68	11.04	1446	6.46	6.93	—	—	—	—	8.2	0.85
2	1.21	1	3	5.9	7.2	X	—	2892	10.66	12.18	1446	7.26	7.75	—	—	—	—	—	—
3	1.21	1	10	6.2	7.6	X	X	2892	11.18	12.81	1446	7.73	8.23	—	—	—	—	—	—
4	1.21	1	10	6.4	7.8	X	—	2892	11.50	13.21	1446	8.03	8.55	—	—	—	—	—	—
5	1.21	1	3	6.7	8.2	X	X	2892	11.94	13.78	1446	8.49	9.02	—	—	—	—	—	—
														A28		A36		A44	
6	1.21	1	10	7.2	8.8	X	—	—	—	—	1446	9.23	9.79	—	—	—	—	10.1	0.89
7	1.21	1	1	7.7	9.4	X	—	—	—	—	1446	9.94	10.54	—	—	—	—	—	—
8	1.21	1	1	8.8	10.7	X	—	—	—	—	1446	11.42	12.12	—	—	—	—	—	—
9	1.21	1	3	9.2	11.2	X	—	—	—	—	1446	11.93	12.67	—	—	—	—	—	—
10	1.21	1	1	9.7	11.8	X	—	—	—	—	1446	12.54	13.33	—	—	—	—	—	—
														A30		A41		A52	
11	1.21	1	1	11.7	14.2	X	—	—	—	—	1446	14.69	15.76	—	—	—	—	—	—
12	1.21	1	10	11.8	14.4	X	—	—	—	—	1446	14.78	15.87	—	—	—	—	—	—
13	1.22	1	2	2.9	3.6	—	X	2868	3.25	4.20	1434	2.16	2.87	10.5	0.84	16.0	0.90	21.5	0.96
14	1.22	1	1	3.3	4.1	X	X	2868	4.39	5.26	1434	2.89	3.51	9.8	0.84	15.3	0.90	20.8	0.95
15	1.22	1	6	3.4	4.2	X	—	2868	4.68	5.57	1434	3.07	3.67	9.7	0.84	15.2	0.90	20.7	0.95
														A24		A28		A32	
16	1.22	1	2	3.8	4.7	X	X	2868	5.83	6.77	1434	3.78	4.28	6.0	0.79	8.0	0.82	10.0	0.85
17	1.22	1	6	4.2	5.2	X	—	2868	6.91	7.92	1434	4.48	4.88	—	—	7.3	0.82	9.3	0.85
18	1.22	1	2	4.6	5.7	X	—	2868	7.93	9.02	1434	5.16	5.57	—	—	—	—	8.5	0.84
19	1.22	1	2	4.7	5.8	X	—	2868	8.17	9.29	1434	5.33	5.75	—	—	—	—	8.4	0.84
20	1.22	1	3	4.8	5.9	X	—	2868	8.35	9.55	1434	5.47	5.92	—	—	—	—	8.2	0.84
														A24		A28		A32	
21	1.22	1	6	5.2	6.4	X	X	2868	9.32	10.56	1434	6.16	6.59	—	—	—	—	7.5	0.84
22	1.22	1	3	5.6	6.9	X	X	2868	10.15	11.51	1434	6.81	7.26	—	—	—	—	—	—
23	1.22	1	2	5.7	7.0	X	X	2868	10.34	11.73	1434	6.97	7.42	—	—	—	—	—	—
24	1.22	1	6	6.0	7.4	X	X	2868	10.90	12.39	1434	7.44	7.91	—	—	—	—	—	—
25	1.22	1	1	6.4	7.9	X	—	2868	11.56	13.21	1434	8.06	8.55	—	—	—	—	—	—
														A30		A41		A52	
26	1.22	1	1	7.9	9.7	X	—	—	—	—	1434	10.25	10.83	—	—	—	—	12.8	0.94
27	1.22	1	1	8.7	10.7	X	—	—	—	—	1434	11.32	11.98	—	—	—	—	11.4	0.93
28	1.22	1	1	10.7	13.2	X	—	—	—	—	1434	13.71	14.59	—	—	—	—	—	—
29	1.22	1	1	11.7	14.4	X	—	—	—	—	1434	14.72	15.76	—	—	—	—	—	—
30	1.23	1	1	2.4	3.0	X	—	2845	2.16	2.85	1422	1.47	2.04	11.4	0.84	16.9	0.90	22.4	0.96
														A24		A28		A32	
31	1.23	1	1	2.8	3.5	X	X	2845	3.05	3.94	1422	1.99	2.71	7.7	0.80	9.7	0.83	11.7	0.85
32	1.23	1	3	3.2	4.0	X	—	2845	4.09	4.97	1422	2.71	3.35	7.0	0.80	9.0	0.83	11.0	0.85
33	1.23	1	2	3.7	4.6	X	—	2845	5.55	6.48	1422	3.61	4.13	6.1	0.79	8.1	0.82	10.1	0.85
34	1.23	1	3	4.0	5.0	X	—	2845	6.38	7.35	1422	4.13	4.59	—	—	7.6	0.82	9.6	0.85
35	1.23	1	6	5.0	6.2	X	X	2845	8.87	10.06	1422	5.83	6.26	—	—	—	—	7.8	0.84
														A24		A29		A34	
36	1.23	1	3	5.4	6.7	X	—	2845	9.74	11.04	1422	6.49	6.93	—	—	—	—	8.1	0.85
37	1.23	1	6	5.8	7.2	X	—	2845	10.53	11.96	1422	7.13	7.58	—	—	—	—	—	—
38	1.23	1	1	6.2	7.7	X	X	2845	11.24	12.81	1422	7.76	8.23	—	—	—	—	—	—
39	1.23	1	10	6.6	8.2	X	—	2845	11.86	13.59	1422	8.37	8.86	—	—	—	—	—	—
40	1.23	1	1	7.0	8.7	X	X	—	—	—	1422	8.96	9.48	—	—	—	—	—	—
														A26		A32		A38	
41	1.23	1	3	7.4	9.2	X	—	—	—	—	1422	9.55	10.09	—	—	—	—	—	—
42	1.23	1	10	7.6	9.4	X	—	—	—	—	1422	9.83	10.39	—	—	—	—	—	—
43	1.23	1	1	7.8	9.7	X	—	—	—	—	1422	10.11	10.69	—	—	—	—	—	—
44	1.23	1	1	7.9	9.8	X	—	—	—	—	1422	10.25	10.83	—	—	—	—	—	—
45	1.23	1	10	8.2	10.2	X	—	—	—	—	1422	10.66	11.27	—	—	—	—	—	—
														A28		A36		A44	
46	1.23	1	1	9.4	11.7	X	—	—	—	—	1422	12.21	12.93	—	—	—	—	—	—
47	1.24	1	1	2.7	3.4	X	—	2822	2.84	3.67	1411	1.86	2.54	9.9	0.83	13.9	0.87	17.9	0.91
48	1.24	1	1	3.1	3.9	X	—	2822	3.81	4.72	1411	2.54	3.19	9.1	0.83	13.1	0.87	17.2	0.91
49	1.24	1	2	3.5	4.4	X	—	2822	5.00	5.95	1411	3.26	3.82	8.4	0.82	12.4	0.87	16.4	0.91
50	1.24	1	1	3.9	4.9	X	—	2822	6.13	7.14	1411	3.97	4.43	7.7	0.82	11.7	0.87	15.7	0.91
														A24		A28		A32	
51	1.24	1	1	4.3	5.4	X	—	2822	7.20	8.28	1411	4.67	5.09	—	—	7.0	0.82	9.0	0.84
52	1.24	1	3	4.7	5.9	X	—	2822	8.20	9.36	1411	5.35	5.79	—	—	—	—	8.3	0.84
53	1.24	1	6	4.8	6.0	X	—	2822	8.41	9.55	1411	5.50	5.92	—	—	—	—	8.1	0.84
54	1.24	1	6	5.6	7.0	X	X	2822	10.17	11.59	1411	6.82	7.30	—	—	—	—	—	—
55	1.24	1	3	5.9	7.4	X	—	2822	10.74	12.26	1411	7.30	7.79	—	—	—	—	—	—
														A30		A41		A52	
56	1.24	1	3	9.8	12.2	X	—	—	—	—	1411	12.69	13.46	—	—	—	—	—	—
57	1.24	1	2	12.2	15.2	X	—	—	—	—	1411	15.19	16.35	—	—	—	—	—	—
58	1.25	1	1	2.6	3.3	X	—	2800	2.62	3.40	1400	1.74	2.38	11.0	0.84	16.5	0.90	22.0	0.96
59	1.25	1	1	2.9	3.7	X	—	2800	3.28	4.20	1400	2.18	2.87	10.5	0.84	16.0	0.90	21.5	0.95
60	1.25	1	3	3.0	3.8	X	X	2800	3.50	4.46	1400	2.36	3.03	10.3	0.84	15.8	0.90	21.3	0.95
														A24		A28		A32	
61	1.25	1	2	3.3	4.2	X	X	2800	4.41	5.34	1400	2.91	3.51	6.7	0.79	8.8	0.82	10.8	0.85
62	1.25	1	1	3.4	4.3	X	—	2800	4.71	5.65	1400	3.09	3.67	6.6	0.79	8.6	0.82	10.6	0.85
63	1.25	1	2	3.7	4.7	X	—	2800	5.58	6.56	1400	3.62	4.13	6.0	0.79	8.0	0.82	10.0	0.85
64	1.25	1	3	3.8	4.8	X	X	2800	5.86	6.85	1400	3.80	4.28	5.9	0.79	7.9	0.82	9.9	0.85
65	1.25	1	1	4.1	5.2	X	—	2800	6.68	7.72	1400	4.32	4.74	—	—	7.3	0.82	9.3	0.84
														A24		A28		A32	
66	1.25	1	6	4.6	5.8	X	—	2800	7.95	9.10	1400	5.18	5.61	—	—	—	—	8.5	0.84
67	1.25	1	3	4.9	6.2	X	—	2800	8.67	9.88	1400	5.68	6.13	—	—	—	—	7.9	0.84
68	1.25	1	6	5.2	6.6	X	X	2800	9.34	10.64	1400	6.18	6.63	—	—	—	—	—	—
69	1.25	1	6	5.4	6.8	X	—	2800	9.77	11.12	1400	6.50	6.97	—	—	—	—	—	—
70	1.25	1	3	5.7	7.2	X	X	2800	10.37	11.81	1400	6.98	7.46	—	—	—	—	—	—
														A24		A30		A36	
71	1.25	1	3	6.0	7.6	X	X	2800	10.92	12.47	1400	7.46	7.95	—	—	—	—	—	—
72	1.25	1	10	6.2	7.8	X	X	2800	11.27	12.89	1400	7.77	8.27	—	—	—	—	—	—
73	1.25	1	1	6.9	8.7	X	—	—	—	—	1400	8.83	9.37	—	—	—	—	—	—
74	1.25	1	10	7.0	8.8	X	X	—	—	—	1400	8.98	9.52	—	—	—	—	—	—
75	1.25	1	1	7.7	9.7	X	—	—	—	—	1400	9.98	10.58	—	—	—	—	—	—

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) In Inches and Arc–Length Factor (F) using Browning Belts

Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
A39		**A44**		**A49**		**A54**		**A59**		**A64**		**A69**		**A74**		**A80**		
10.7	0.88	13.2	0.90	15.7	0.94	18.2	0.96	20.7	0.97	23.2	0.99	25.7	1.00	28.2	1.02	31.2	1.03	1
9.8	0.88	12.3	0.90	14.9	0.94	17.4	0.96	19.9	0.97	22.4	0.99	24.9	1.00	27.4	1.02	30.4	1.03	2
9.3	0.87	11.8	0.90	14.3	0.93	16.8	0.95	19.3	0.97	21.8	0.99	24.3	1.00	26.8	1.01	29.8	1.03	3
9.0	0.87	11.5	0.90	14.0	0.93	16.5	0.95	19.0	0.97	21.5	0.99	24.0	1.00	26.5	1.01	29.5	1.03	4
—	—	10.9	0.90	13.4	0.93	15.9	0.95	18.4	0.97	20.9	0.99	23.4	1.00	25.9	1.01	28.9	1.03	5
A52		**A60**		**A68**		**A76**		**A84**		**A92**		**A100**		**A110**		**A120**		
14.1	0.94	18.1	0.97	22.1	1.00	26.1	1.02	30.1	1.04	34.1	1.05	38.1	1.08	43.1	1.10	48.1	1.12	6
13.2	0.94	17.2	0.97	21.2	0.99	25.2	1.02	29.2	1.04	33.2	1.05	37.2	1.08	42.2	1.10	47.2	1.12	7
11.3	0.93	15.3	0.97	19.3	0.99	23.3	1.01	27.3	1.03	31.3	1.05	35.3	1.08	40.3	1.10	45.3	1.12	8
—	—	14.6	0.96	18.6	0.99	22.6	1.01	26.6	1.03	30.6	1.05	34.6	1.08	39.6	1.10	44.6	1.12	9
—	—	13.7	0.96	17.7	0.99	21.7	1.01	25.8	1.03	29.8	1.05	33.8	1.08	38.8	1.10	43.8	1.12	10
A63		**A74**		**A85**		**A96**		**A105**		**A120**		**A128**		**A136**		**A144**		
—	—	17.3	1.00	22.8	1.03	28.3	1.05	32.8	1.09	40.3	1.11	44.3	1.13	48.3	1.14	52.3	1.15	11
—	—	17.0	1.00	22.5	1.03	28.1	1.05	32.6	1.09	40.1	1.11	44.1	1.12	48.1	1.14	52.1	1.15	12
27.0	0.99	32.5	1.02	38.0	1.04	43.5	1.07	48.0	1.10	55.5	1.12	59.5	1.13	63.5	1.14	67.5	1.16	13
26.3	0.99	31.8	1.02	37.3	1.04	42.8	1.07	47.3	1.10	54.8	1.12	58.8	1.13	62.8	1.14	66.8	1.15	14
26.2	0.99	31.7	1.02	37.2	1.04	42.7	1.07	47.2	1.10	54.7	1.12	58.7	1.13	62.7	1.14	66.7	1.15	15
A36		**A40**		**A45**		**A50**		**A55**		**A60**		**A65**		**A70**		**A75**		
12.0	0.87	14.0	0.89	16.5	0.93	19.0	0.95	21.5	0.96	24.0	0.98	26.5	0.99	29.0	1.01	31.5	1.02	16
11.3	0.87	13.3	0.89	15.8	0.93	18.3	0.95	20.8	0.96	23.3	0.98	25.8	0.99	28.3	1.01	30.8	1.02	17
10.6	0.87	2.6	0.89	15.1	0.92	17.6	0.94	20.1	0.96	22.6	0.98	25.1	0.99	27.6	1.01	30.1	1.02	18
10.4	0.87	12.4	0.89	14.9	0.92	17.4	0.94	19.9	0.96	22.4	0.98	24.9	0.99	27.4	1.01	29.9	1.02	19
10.2	0.87	12.2	0.89	14.7	0.92	17.2	0.94	19.7	0.96	22.2	0.98	24.7	0.99	27.2	1.01	29.7	1.02	20
A36		**A40**		**A45**		**A50**		**A55**		**A60**		**A65**		**A70**		**A75**		
9.5	0.86	11.5	0.88	14.0	0.92	16.5	0.94	19.0	0.96	21.5	0.98	24.0	0.99	26.5	1.01	29.0	1.02	21
8.8	0.86	10.8	0.88	13.3	0.92	15.8	0.94	18.3	0.96	20.8	0.98	23.3	0.99	25.8	1.00	28.3	1.02	22
8.7	0.86	10.7	0.88	13.2	0.92	15.7	0.94	18.2	0.96	20.7	0.98	23.2	0.99	25.7	1.00	28.2	1.02	23
—	—	10.1	0.88	12.6	0.92	15.1	0.94	17.6	0.96	20.1	0.97	22.6	0.99	25.1	1.00	27.6	1.02	24
—	—	9.4	0.88	11.9	0.92	14.4	0.94	16.9	0.96	19.4	0.97	21.9	0.99	24.4	1.00	26.9	1.02	25
A63		**A74**		**A85**		**A96**		**A105**		**A120**		**A128**		**A136**		**A144**		
18.3	0.98	23.8	1.01	29.3	1.04	34.8	1.06	39.3	1.09	46.8	1.12	50.8	1.13	54.8	1.14	58.8	1.15	26
16.9	0.98	22.4	1.01	27.9	1.04	33.4	1.06	37.9	1.09	45.4	1.12	49.4	1.13	53.4	1.14	57.4	1.15	27
—	—	18.8	1.00	24.4	1.03	29.9	1.05	34.4	1.09	41.9	1.11	45.9	1.13	49.9	1.14	53.9	1.15	28
—	—	17.1	1.00	22.6	1.03	28.1	1.05	32.6	1.09	40.1	1.11	44.1	1.12	48.1	1.14	52.1	1.15	29
27.9	0.99	33.4	1.02	38.9	1.05	44.4	1.07	48.9	1.10	56.4	1.12	60.4	1.13	64.4	1.15	68.4	1.16	30
A36		**A40**		**A45**		**A50**		**A55**		**A60**		**A65**		**A70**		**A75**		
13.7	0.87	15.7	0.89	18.2	0.93	20.7	0.95	32.2	0.97	25.7	0.98	28.2	1.00	30.7	1.01	33.2	1.02	31
13.0	0.87	15.0	0.89	17.5	0.93	20.0	0.95	22.5	0.96	25.0	0.98	27.5	1.00	30.0	1.01	32.5	1.02	32
12.1	0.87	14.1	0.89	16.6	0.93	19.1	0.95	21.6	0.96	24.1	0.98	26.6	0.99	29.1	1.01	31.6	1.02	33
11.6	0.87	13.6	0.89	16.1	0.93	18.6	0.95	21.1	0.96	23.6	0.98	26.1	0.99	28.6	1.01	31.1	1.02	34
9.8	0.86	11.8	0.88	14.3	0.92	16.8	0.94	19.3	0.96	21.8	0.98	24.4	0.99	26.9	1.01	29.4	1.02	35
A39		**A44**		**A49**		**A54**		**A59**		**A64**		**A69**		**A74**		**A80**		
10.6	0.88	13.1	0.90	15.6	0.94	18.1	0.96	20.6	0.97	23.1	0.99	25.6	1.00	28.1	1.02	31.1	1.03	36
9.9	0.87	12.4	0.90	14.9	0.94	17.4	0.95	19.9	0.97	22.4	0.99	24.9	1.00	27.4	1.01	30.4	1.03	37
9.2	0.87	11.7	0.90	14.2	0.93	16.7	0.95	19.2	0.97	21.7	0.99	24.2	1.00	26.4	1.01	29.7	1.03	38
—	—	11.0	0.89	13.5	0.93	16.0	0.95	18.5	0.97	21.0	0.98	23.5	1.00	26.0	1.01	29.0	1.03	39
—	—	10.3	0.89	12.8	0.93	15.3	0.95	17.8	0.97	20.3	0.98	22.8	1.00	25.3	1.01	28.3	1.03	40
A44		**A50**		**A56**		**A62**		**A68**		**A74**		**A81**		**A88**		**A95**		
—	—	12.6	0.93	15.6	0.96	18.6	0.98	21.6	0.99	24.6	1.01	28.1	1.03	31.6	1.04	35.1	1.06	41
—	—	12.3	0.93	15.3	0.95	18.3	0.98	21.3	0.99	24.3	1.01	27.8	1.03	31.3	1.04	34.8	1.06	42
—	—	11.9	0.93	14.9	0.95	17.9	0.97	20.9	0.99	23.9	1.01	27.4	1.03	30.9	1.04	34.4	1.06	43
—	—	11.7	0.93	14.7	0.95	17.7	0.97	20.7	0.99	23.7	1.01	27.2	1.03	30.7	1.04	34.2	1.06	44
—	—	11.2	0.93	14.2	0.95	17.2	0.97	20.2	0.99	23.2	1.01	26.7	1.03	30.2	1.04	33.7	1.06	45
A52		**A60**		**A68**		**A76**		**A84**		**A92**		**A100**		**A110**		**A120**		
—	—	14.0	0.96	18.0	0.99	22.1	1.01	26.1	1.03	30.1	1.05	34.1	1.08	39.1	1.10	44.1	1.11	46
21.9	0.96	25.9	0.98	29.9	1.00	33.9	1.02	37.9	1.04	41.9	1.06	45.9	1.09	50.9	1.11	55.9	1.12	47
21.2	0.95	25.2	0.98	29.2	1.00	33.2	1.02	37.2	1.04	41.2	1.06	45.2	1.09	50.2	1.11	55.2	1.12	48
20.4	0.95	24.4	0.98	28.4	1.00	32.4	1.02	36.4	1.04	40.4	1.06	44.4	1.09	49.4	1.11	54.4	1.12	49
19.7	0.95	23.7	0.98	27.7	1.00	31.7	1.02	35.7	1.04	39.7	1.06	43.7	1.09	48.7	1.11	53.7	1.12	50
A36		**A40**		**A45**		**A50**		**A55**		**A60**		**A65**		**A70**		**A75**		
11.0	0.87	13.0	0.89	15.5	0.92	18.0	0.94	20.5	0.96	23.0	0.98	25.5	0.99	28.0	1.01	30.5	1.02	51
10.3	0.86	12.3	0.88	14.8	0.92	17.3	0.94	19.8	0.96	22.3	0.98	24.8	0.99	27.3	1.01	29.8	1.02	52
10.2	0.86	12.2	0.88	14.7	0.92	17.2	0.94	19.7	0.96	22.2	0.98	24.7	0.99	27.2	1.01	29.7	1.02	53
8.7	0.86	10.7	0.88	13.2	0.92	15.7	0.94	18.2	0.96	20.7	0.97	23.2	0.99	25.7	1.00	28.3	1.02	54
8.2	0.85	10.2	0.88	12.7	0.92	15.2	0.94	17.7	0.96	20.2	0.97	22.7	0.99	25.2	1.00	27.7	1.02	55
A63		**A74**		**A85**		**A96**		**A105**		**A120**		**A128**		**A136**		**A144**		
14.8	0.97	20.3	1.00	25.9	1.03	31.4	1.06	35.9	1.09	43.4	1.11	47.4	1.13	51.4	1.14	55.4	1.15	56
—	—	16.1	0.99	21.6	1.02	27.1	1.05	31.6	1.08	39.1	1.11	43.1	1.12	47.1	1.13	51.1	1.15	57
27.5	0.99	33.0	1.02	38.5	1.04	44.0	1.07	48.5	1.10	56.0	1.12	60.0	1.13	64.0	1.14	68.0	1.16	58
27.0	0.99	32.5	1.02	38.0	1.04	43.5	1.07	48.0	1.10	55.5	1.12	59.5	1.13	63.5	1.14	67.5	1.15	59
26.8	0.99	32.3	1.02	37.8	1.04	43.3	1.07	47.8	1.10	55.3	1.12	59.3	1.13	63.3	1.14	67.3	1.15	60
A36		**A40**		**A45**		**A50**		**A55**		**A60**		**A65**		**A70**		**A75**		
12.8	0.87	14.8	0.89	17.3	0.93	19.8	0.95	22.3	0.96	24.8	0.98	27.3	0.99	29.8	1.01	32.3	1.02	61
12.6	0.87	14.6	0.89	17.1	0.93	19.6	0.95	22.1	0.96	24.6	0.98	27.1	0.99	29.6	1.01	32.1	1.02	62
12.0	0.87	14.0	0.89	16.5	0.93	19.0	0.95	21.6	0.96	24.1	0.98	26.6	0.99	29.1	1.01	31.6	1.02	63
11.9	0.87	13.9	0.89	16.4	0.93	18.9	0.95	21.4	0.96	23.9	0.98	26.4	0.99	28.9	1.01	31.4	1.02	64
11.3	0.87	13.3	0.89	15.8	0.92	18.3	0.94	20.8	0.96	23.3	0.98	25.8	0.99	28.3	1.01	30.8	1.02	65
A36		**A40**		**A45**		**A50**		**A55**		**A60**		**A65**		**A70**		**A75**		
10.5	0.86	12.5	0.89	15.0	0.92	17.5	0.94	20.0	0.96	22.5	0.98	25.0	0.99	27.5	1.01	30.0	1.02	66
9.9	0.86	11.9	0.88	14.4	0.92	16.9	0.94	19.4	0.96	21.9	0.98	24.4	0.99	26.9	1.01	29.4	1.02	67
9.4	0.86	11.4	0.88	13.9	0.92	16.4	0.94	18.9	0.96	21.4	0.98	23.9	0.99	26.4	1.00	28.9	1.02	68
9.0	0.86	11.1	0.88	13.6	0.92	16.1	0.94	18.6	0.96	21.1	0.98	23.6	0.99	26.1	1.00	28.6	1.02	69
8.5	0.86	10.5	0.88	13.0	0.92	15.5	0.94	18.0	0.96	20.5	0.97	23.0	0.99	25.5	1.00	28.0	1.02	70
A42		**A48**		**A54**		**A60**		**A66**		**A72**		**A78**		**A84**		**A90**		
10.9	0.89	14.0	0.93	17.0	0.95	20.0	0.97	23.0	0.99	26.0	1.01	29.0	1.02	32.0	1.04	35.0	1.05	71
10.6	0.89	13.6	0.93	16.6	0.95	19.6	0.97	22.6	0.99	25.6	1.01	28.6	1.02	31.6	1.04	34.7	1.05	72
9.4	0.88	12.4	0.92	15.4	0.95	18.4	0.97	21.4	0.99	24.4	1.01	27.4	1.02	30.4	1.04	33.4	1.05	73
—	—	12.2	0.92	15.2	0.95	18.2	0.97	21.2	0.99	24.2	1.01	27.2	1.02	30.2	1.04	33.2	1.05	74
—	—	10.9	0.92	14.0	0.94	17.0	0.97	20.0	0.99	23.0	1.00	26.0	1.02	29.0	1.03	32.0	1.05	75

B

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Datum Diameter Driver	Datum Diameter Driven	Type Fix.	Type Var.	Nominal Driven Speeds and Horsepower per Belt — 3500 RPM Driver Nominal Driven Speed	3500 RPM Driver HP per Belt Super	3500 RPM Driver HP per Belt Gripnotch	1750 RPM Driver Nominal Driven Speed	1750 RPM Driver HP per Belt Super	1750 RPM Driver HP per Belt Gripnotch	Center Distance in Inches and "F" Factor for Browning Belts — Belt No.	C.D.	F	Belt No.	C.D.	F	Belt No.	C.D.	F
														A28			A36			A44		
1	1.25	1	10	7.8	9.8	x	—	—	—	—	1400	10.12	10.73	—	—		—	—		—	—	
2	1.25	1	10	9.4	11.8	x	—	—	—	—	1400	12.22	12.97	—	—		—	—		—	—	
3	1.25	1	1	9.7	12.2	x	—	—	—	—	1400	12.58	13.37	—	—		—	—		—	—	
4	1.26	1	1	2.4	3.1	x	—	2777	2.19	2.85	1388	1.48	2.04	10.3	0.83		14.3	0.87		18.3	0.91	
5	1.26	1	1	2.8	3.6	x	x	2777	3.07	3.94	1388	2.00	2.71	9.6	0.83		13.6	0.87		17.6	0.91	
														A24			A28			A32		
6	1.26	1	1	3.2	4.1	x	—	2777	4.11	5.03	1388	2.72	3.35	6.9	0.79		8.9	0.82		10.9	0.85	
7	1.26	1	3	3.6	4.6	x	x	2777	5.29	6.26	1388	3.44	3.98	6.2	0.79		8.2	0.82		10.2	0.85	
8	1.26	1	1	3.9	5.0	x	—	2777	6.13	7.14	1388	3.97	4.43	—	—		7.6	0.82		9.6	0.84	
9	1.26	1	6	4.4	5.6	x	x	2777	7.46	8.56	1388	4.84	5.27	—	—		6.8	0.81		8.8	0.84	
10	1.26	1	3	4.7	6.0	x	—	2777	8.20	9.36	1388	5.35	5.79	—	—		—	—		8.2	0.84	
														A24			A29			A34		
11	1.26	1	6	5.0	6.4	x	x	2777	8.90	10.14	1388	5.85	6.30	—	—		—	—		8.7	0.85	
12	1.26	1	3	5.4	6.9	x	—	2777	9.77	11.12	1388	6.50	6.97	—	—		—	—		8.0	0.84	
13	1.26	1	6	5.8	7.4	x	—	2777	10.56	12.04	1388	7.14	7.62	—	—		—	—		—	—	
14	1.26	1	1	6.2	7.9	x	x	2777	11.27	12.89	1388	7.77	8.27	—	—		—	—		—	—	
15	1.26	1	3	6.9	8.8	x	—	—	—	—	1388	8.83	9.37	—	—		—	—		—	—	
														A28			A36			A44		
16	1.26	1	10	7.4	9.4	x	—	—	—	—	1388	9.56	10.13	—	—		—	—		—	—	
17	1.26	1	1	7.6	9.7	x	—	—	—	—	1388	9.84	10.43	—	—		—	—		—	—	
18	1.26	1	1	7.7	9.8	x	—	—	—	—	1388	9.98	10.58	—	—		—	—		—	—	
19	1.26	1	3	8.8	11.2	x	—	—	—	—	1388	11.47	12.16	—	—		—	—		—	—	
20	1.26	1	1	9.2	11.7	x	—	—	—	—	1388	11.97	12.71	—	—		—	—		—	—	
														A28			A38			A48		
21	1.26	1	3	11.2	14.2	x	—	—	—	—	1388	14.24	15.23	—	—		—	—		—	—	
22	1.27	1	1	2.7	3.5	x	—	2755	2.86	3.67	1377	1.87	2.54	9.8	0.83		14.8	0.88		19.8	0.94	
23	1.27	1	2	3.1	4.0	x	—	2755	3.81	4.72	1377	2.54	3.19	9.1	0.82		14.1	0.88		19.1	0.94	
24	1.27	1	3	3.4	4.4	x	—	2755	4.71	5.65	1377	3.09	3.67	8.5	0.82		13.5	0.88		18.5	0.94	
25	1.27	1	3	3.8	4.9	x	x	2755	5.86	6.85	1377	3.80	4.28	7.8	0.82		12.8	0.88		17.8	0.94	
														A24			A28			A32		
26	1.27	1	6	4.2	5.4	x	—	2755	6.94	8.00	1377	4.49	4.92	—	—		7.1	0.81		9.1	0.84	
27	1.27	1	3	4.6	5.9	x	—	2755	7.95	9.10	1377	5.18	5.61	—	—		—	—		8.4	0.84	
28	1.27	1	3	5.2	6.7	x	x	2755	9.34	10.64	1377	6.18	6.63	—	—		—	—		—	—	
29	1.27	1	6	5.6	7.2	x	x	2755	10.17	11.59	1377	6.82	7.30	—	—		—	—		—	—	
30	1.27	1	3	5.9	7.6	x	—	2755	10.74	12.26	1377	7.30	7.79	—	—		—	—		—	—	
														A28			A36			A44		
31	1.27	1	1	6.0	7.7	x	x	2755	10.92	12.47	1377	7.46	7.95	—	—		—	—		11.9	0.89	
32	1.27	1	10	6.4	8.2	x	—	2755	11.59	13.29	1377	8.08	8.59	—	—		—	—		11.2	0.89	
33	1.27	1	1	6.8	8.7	x	—	2755	12.16	14.04	1377	8.68	9.21	—	—		—	—		10.4	0.89	
34	1.27	1	3	7.2	9.2	x	—	—	—	—	1377	9.27	9.83	—	—		—	—		9.7	0.88	
35	1.27	1	3	9.2	11.8	x	—	—	—	—	1377	11.97	12.71	—	—		—	—		—	—	
														A24			A28			A32		
36	1.28	1	1	2.6	3.4	x	—	2734	2.65	3.40	1367	1.75	2.38	7.9	0.80		9.9	0.83		11.9	0.85	
37	1.28	1	1	3.0	3.9	x	x	2734	3.50	4.46	1367	2.36	3.03	7.2	0.79		9.2	0.82		11.2	0.85	
38	1.28	1	1	3.3	4.3	x	x	2734	4.41	5.34	1367	2.91	3.51	6.7	0.79		8.7	0.82		10.7	0.85	
39	1.28	1	3	3.6	4.7	x	x	2734	5.29	6.26	1367	3.44	3.98	6.1	0.79		8.1	0.82		10.1	0.85	
40	1.28	1	2	3.7	4.8	x	—	2734	5.58	6.56	1367	3.62	4.13	6.0	0.79		8.0	0.82		10.0	0.84	
														A24			A28			A32		
41	1.28	1	3	4.0	5.2	x	—	2734	6.41	7.43	1367	4.15	4.59	—	—		7.4	0.81		9.4	0.84	
42	1.28	1	1	4.3	5.6	x	—	2734	7.20	8.28	1367	4.67	5.09	—	—		6.8	0.81		8.9	0.84	
43	1.28	1	3	4.4	5.7	x	x	2734	7.46	8.56	1367	4.84	5.27	—	—		6.7	0.81		8.7	0.84	
44	1.28	1	6	4.8	6.2	x	—	2734	8.44	9.63	1367	5.51	5.96	—	—		—	—		8.0	0.84	
45	1.28	1	6	5.4	7.0	x	—	2734	9.77	11.12	1367	6.50	6.97	—	—		—	—		—	—	
														A26			A32			A38		
46	1.28	1	3	5.7	7.4	x	x	2734	10.37	11.81	1367	6.98	7.46	—	—		—	—		9.3	0.86	
47	1.28	1	1	6.7	8.7	x	x	2734	12.03	13.86	1367	8.53	9.06	—	—		—	—		—	—	
48	1.28	1	10	6.8	8.8	x	—	2734	12.16	14.04	1367	8.68	9.21	—	—		—	—		—	—	
49	1.28	1	10	7.6	9.8	x	—	—	—	—	1367	9.84	10.43	—	—		—	—		—	—	
50	1.28	1	1	7.9	10.2	x	—	—	—	—	1367	10.26	10.87	—	—		—	—		—	—	
														A30			A41			A52		
51	1.28	1	1	8.7	11.2	x	—	—	—	—	1367	11.34	12.02	—	—		—	—		—	—	
52	1.28	1	10	10.2	13.2	x	—	—	—	—	1367	13.17	14.01	—	—		—	—		—	—	
53	1.28	1	3	11.2	14.4	x	—	—	—	—	1367	14.24	15.23	—	—		—	—		—	—	
54	1.28	1	2	11.8	15.2	x	—	—	—	—	1367	14.83	15.91	—	—		—	—		—	—	
55	1.29	1	1	2.9	3.8	x	—	2713	3.30	4.20	1356	2.18	2.87	10.4	0.84		15.9	0.90		21.4	0.95	
														A24			A28			A32		
56	1.29	1	3	3.2	4.2	x	—	2713	4.11	5.03	1356	2.72	3.35	6.8	0.79		8.8	0.82		10.8	0.85	
57	1.29	1	2	3.5	4.6	x	—	2713	5.00	5.95	1356	3.26	3.82	6.3	0.79		8.3	0.82		10.3	0.85	
58	1.29	1	6	4.6	6.0	x	—	2713	7.95	9.10	1356	5.18	5.61	—	—		—	—		8.3	0.84	
59	1.29	1	3	4.9	6.4	x	—	2713	8.67	9.88	1356	5.68	6.13	—	—		—	—		7.7	0.83	
60	1.29	1	6	5.2	6.8	x	x	2713	9.34	10.64	1356	6.18	6.63	—	—		—	—		—	—	
														A28			A36			A44		
61	1.29	1	1	5.9	7.7	x	—	2713	10.74	12.26	1356	7.30	7.79	—	—		—	—		11.9	0.89	
62	1.29	1	6	6.0	7.8	x	x	2713	10.92	12.47	1356	7.46	7.95	—	—		—	—		11.8	0.89	
63	1.29	1	10	7.2	9.4	x	—	—	—	—	1356	9.27	9.83	—	—		—	—		—	—	
64	1.29	1	1	8.2	10.7	x	—	—	—	—	1356	10.67	11.31	—	—		—	—		—	—	
65	1.29	1	3	9.4	12.2	x	—	—	—	—	1356	12.22	12.97	—	—		—	—		—	—	
														A30			A41			A52		
66	1.29	1	1	11.7	15.2	x	—	—	—	—	1356	14.73	15.80	—	—		—	—		—	—	
67	1.30	1	1	2.4	3.2	x	—	2692	2.22	3.00	1346	1.49	2.12	11.2	0.84		16.7	0.90		22.3	0.95	
68	1.30	1	1	2.8	3.7	x	x	2692	3.09	3.94	1346	2.01	2.71	10.5	0.84		16.0	0.90		21.5	0.95	
69	1.30	1	1	3.1	4.1	x	—	2692	3.81	4.87	1346	2.54	3.27	10.0	0.84		15.5	0.89		21.0	0.95	
70	1.30	1	2	3.7	4.9	x	—	2692	5.58	6.56	1346	3.62	4.20	8.9	0.83		14.4	0.89		19.9	0.95	
														A24			A28			A32		
71	1.30	1	3	3.8	5.0	x	x	2692	5.86	6.85	1346	3.80	4.28	—	—		7.7	0.82		9.7	0.84	
72	1.30	1	1	4.1	5.4	x	—	2692	6.68	7.72	1346	4.32	4.81	—	—		7.2	0.81		9.2	0.84	
73	1.30	1	6	4.4	5.8	x	x	2692	7.46	8.56	1346	4.84	5.27	—	—		6.6	0.81		8.6	0.84	
74	1.30	1	3	4.7	6.2	x	—	2692	8.20	9.36	1346	5.35	5.70	—	—		—	—		8.1	0.83	
75	1.30	1	6	5.0	6.6	x	x	2692	8.90	10.14	1346	5.85	6.30	—	—		—	—		7.5	0.83	

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) In Inches and Arc–Length Factor (F) using Browning Belts

Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
A52		**A60**		**A68**		**A76**		**A84**		**A92**		**A100**		**A110**		**A120**		
12.8	0.94	16.8	0.97	20.8	0.99	24.8	1.01	28.8	1.03	32.8	1.05	36.8	1.08	41.8	1.10	46.8	1.12	1
—	—	14.0	0.96	18.0	0.99	22.0	1.01	26.0	1.03	30.0	1.05	34.0	1.08	39.0	1.10	44.0	1.11	2
—	—	13.4	0.96	17.4	0.98	21.4	1.01	25.4	1.03	29.4	1.05	33.4	1.08	38.4	1.10	43.4	1.11	3
22.3	0.96	26.3	0.98	30.3	1.00	34.3	1.02	38.3	1.04	42.3	1.06	46.3	1.09	51.3	1.11	56.3	1.12	4
21.6	0.95	25.6	0.98	29.6	1.00	33.6	1.02	37.6	1.04	41.6	1.06	45.6	1.09	50.6	1.11	55.6	1.12	5
A36		**A40**		**A45**		**A50**		**A55**		**A60**		**A65**		**A70**		**A75**		
12.9	0.87	14.9	0.89	17.4	0.93	19.9	0.95	22.4	0.96	24.9	0.98	27.4	0.99	29.9	1.01	32.4	1.02	6
12.2	0.87	14.2	0.89	16.7	0.93	19.2	0.95	21.7	0.96	24.2	0.98	26.7	0.99	29.2	1.01	31.7	1.02	7
11.7	0.87	13.7	0.89	16.2	0.92	18.7	0.94	21.2	0.96	23.7	0.98	26.2	0.99	28.7	1.01	31.2	1.02	8
10.8	0.86	12.8	0.89	15.3	0.92	17.8	0.94	20.3	0.96	22.8	0.98	25.3	0.99	27.8	1.01	30.3	1.02	9
10.2	0.86	12.2	0.88	14.7	0.92	17.2	0.94	19.7	0.96	22.2	0.98	24.7	0.99	27.2	1.01	29.7	1.02	10
A39		**A44**		**A49**		**A54**		**A59**		**A64**		**A69**		**A74**		**A80**		
11.2	0.88	13.7	0.90	16.2	0.94	18.7	0.96	21.2	0.97	23.7	0.99	26.2	1.00	28.7	1.01	31.7	1.03	11
10.5	0.87	13.0	0.90	15.5	0.93	18.0	0.95	20.5	0.97	23.0	0.99	25.5	1.00	28.0	1.01	31.0	1.03	12
9.8	0.87	12.3	0.90	14.8	0.93	17.3	0.95	19.8	0.97	22.3	0.99	24.8	1.00	27.3	1.01	30.3	1.03	13
9.0	0.87	11.6	0.89	14.1	0.93	16.6	0.95	19.1	0.97	21.6	0.98	24.1	1.00	26.6	1.01	29.6	1.03	14
—	—	10.3	0.89	12.8	0.93	15.3	0.95	17.8	0.97	20.3	0.98	22.8	1.00	25.3	1.01	28.3	1.03	15
A52		**A60**		**A68**		**A76**		**A84**		**A92**		**A100**		**A110**		**A120**		
13.4	0.94	17.4	0.97	21.4	0.99	25.4	1.01	29.4	1.03	33.4	1.05	37.4	1.08	42.5	1.10	47.5	1.12	16
13.0	0.94	17.0	0.97	21.0	0.99	25.0	1.01	29.1	1.03	33.1	1.05	37.1	1.08	42.1	1.10	47.1	1.12	17
12.9	0.93	16.9	0.97	20.9	0.99	24.9	1.01	28.9	1.03	32.9	1.05	36.9	1.08	41.9	1.10	46.9	1.12	18
—	—	14.9	0.96	18.9	0.99	22.9	1.01	26.9	1.03	30.9	1.05	34.9	1.08	39.9	1.10	44.9	1.11	19
—	—	14.2	0.96	18.2	0.99	22.2	1.01	26.2	1.03	30.2	1.05	34.2	1.08	39.2	1.10	44.2	1.11	20
A58		**A68**		**A78**		**A88**		**A100**		**A112**		**A120**		**A128**		**A136**		
—	—	14.6	0.97	19.7	1.01	24.7	1.03	30.7	1.07	36.7	1.10	40.7	1.11	44.7	1.12	48.7	1.14	21
24.8	0.97	29.8	1.00	34.8	1.03	39.8	1.05	45.8	1.09	51.8	1.11	55.8	1.12	59.8	1.13	63.8	1.14	22
24.1	0.97	29.1	1.00	34.1	1.03	39.1	1.05	45.1	1.09	51.1	1.11	55.1	1.12	59.1	1.13	63.1	1.14	23
23.5	0.97	28.5	1.00	33.5	1.03	38.5	1.05	44.5	1.09	50.5	1.11	54.5	1.12	58.5	1.13	62.5	1.14	24
22.8	0.97	27.8	1.00	32.8	1.03	37.8	1.05	43.8	1.09	49.8	1.11	53.8	1.12	57.8	1.13	61.8	1.14	25
A36		**A40**		**A45**		**A50**		**A55**		**A60**		**A65**		**A70**		**A75**		
11.1	0.87	13.1	0.89	15.6	0.92	18.1	0.94	20.6	0.96	23.1	0.98	25.6	0.99	28.1	1.01	30.6	1.02	26
10.4	0.86	12.4	0.88	14.9	0.92	17.4	0.94	19.9	0.96	22.4	0.98	24.9	0.99	27.4	1.01	29.9	1.02	27
9.3	0.86	11.3	0.88	13.8	0.92	16.3	0.94	18.8	0.96	21.3	0.97	23.8	0.99	26.3	1.00	28.8	1.02	28
8.6	0.85	10.6	0.88	13.1	0.92	15.6	0.94	18.1	0.96	20.6	0.97	23.1	0.99	25.6	1.00	28.1	1.02	29
—	—	10.0	0.87	12.5	0.91	15.0	0.94	17.5	0.95	20.0	0.97	22.5	0.99	25.0	1.00	27.5	1.02	30
A52		**A60**		**A68**		**A76**		**A84**		**A92**		**A100**		**A110**		**A120**		
15.9	0.94	19.9	0.97	23.9	1.00	27.9	1.02	31.9	1.04	35.9	1.05	39.9	1.08	44.9	1.10	49.9	1.12	31
15.2	0.94	19.2	0.97	23.2	1.00	27.2	1.02	31.2	1.04	35.2	1.05	39.2	1.08	44.2	1.10	49.2	1.12	32
14.5	0.94	18.5	0.97	22.5	0.99	26.5	1.02	30.5	1.03	34.5	1.05	38.5	1.08	43.5	1.10	48.5	1.12	33
13.7	0.94	17.7	0.97	21.8	0.99	25.8	1.01	29.8	1.03	33.8	1.05	37.8	1.08	42.8	1.10	47.8	1.12	34
—	—	14.1	0.96	18.1	0.98	22.1	1.01	26.1	1.03	30.1	1.05	34.1	1.08	39.1	1.10	44.1	1.11	35
A36		**A40**		**A45**		**A50**		**A55**		**A60**		**A65**		**A70**		**A75**		
13.9	0.87	15.9	0.89	18.4	0.93	20.9	0.95	23.4	0.97	25.9	0.98	28.4	1.00	30.9	1.01	33.4	1.02	36
13.2	0.87	15.2	0.89	17.7	0.93	20.2	0.95	22.7	0.96	25.2	0.98	27.7	0.99	30.2	1.01	32.7	1.02	37
12.7	0.87	14.7	0.89	17.2	0.93	19.7	0.95	22.2	0.96	24.7	0.98	27.2	0.99	29.7	1.01	32.2	1.02	38
12.1	0.87	14.1	0.89	16.6	0.92	19.1	0.94	21.6	0.96	24.1	0.98	26.6	0.99	29.1	1.01	31.6	1.02	39
12.0	0.87	14.0	0.89	16.5	0.92	19.0	0.94	21.5	0.96	24.0	0.98	26.5	0.99	29.0	1.01	31.5	1.02	40
A36		**A40**		**A45**		**A50**		**A55**		**A60**		**A65**		**A70**		**A75**		
11.4	0.87	13.4	0.89	15.9	0.92	18.4	0.94	20.9	0.96	23.4	0.98	25.9	0.99	28.4	1.01	30.9	1.02	41
10.9	0.86	12.9	0.88	15.4	0.92	17.9	0.94	20.4	0.96	22.9	0.98	25.4	0.99	27.9	1.01	30.4	1.02	42
10.7	0.86	12.7	0.88	15.2	0.92	17.7	0.94	20.2	0.96	22.7	0.98	25.2	0.99	27.7	1.01	30.2	1.02	43
10.0	0.86	12.0	0.88	14.5	0.92	17.0	0.94	19.5	0.96	22.0	0.98	24.5	0.99	27.0	1.00	29.5	1.02	44
8.9	0.85	10.9	0.88	13.4	0.92	15.9	0.94	18.4	0.96	20.9	0.97	23.4	0.99	25.9	1.00	28.4	1.02	45
A44		**A50**		**A56**		**A62**		**A68**		**A74**		**A81**		**A88**		**A95**		
12.3	0.90	15.3	0.94	18.3	0.96	21.3	0.98	24.4	1.00	27.4	1.01	30.9	1.03	34.4	1.05	37.9	1.06	46
10.5	0.89	13.5	0.93	16.5	0.95	19.5	0.97	22.5	0.99	25.5	1.01	29.0	1.03	32.5	1.04	36.0	1.06	47
10.4	0.89	13.4	0.93	16.4	0.95	19.4	0.97	22.4	0.99	25.4	1.01	28.9	1.03	32.4	1.04	35.9	1.06	48
—	—	11.9	0.92	15.0	0.95	18.0	0.97	21.0	0.99	24.0	1.01	27.5	1.03	31.0	1.04	34.5	1.06	49
—	—	11.4	0.92	14.4	0.95	17.4	0.97	20.4	0.99	23.4	1.01	26.9	1.02	30.4	1.04	33.9	1.06	50
A63		**A74**		**A85**		**A96**		**A105**		**A120**		**A128**		**A136**		**A144**		
16.5	0.97	22.0	1.00	27.5	1.03	33.0	1.06	37.5	1.09	45.0	1.11	49.0	1.13	53.0	1.14	57.0	1.15	51
13.7	0.96	19.2	1.00	24.7	1.03	30.2	1.05	34.7	1.08	42.3	1.11	46.3	1.12	50.3	1.14	54.3	1.15	52
—	—	17.5	0.99	23.0	1.02	28.5	1.05	33.0	1.08	40.5	1.11	44.5	1.12	48.5	1.13	52.5	1.15	53
—	—	16.4	0.99	21.9	1.02	27.4	1.05	31.9	1.08	39.4	1.11	43.4	1.12	47.4	1.13	51.4	1.14	54
26.9	0.99	32.4	1.02	37.9	1.04	43.4	1.07	47.9	1.10	55.4	1.12	59.4	1.13	63.4	1.14	67.4	1.15	55
A36		**A40**		**A45**		**A50**		**A55**		**A60**		**A65**		**A70**		**A75**		
12.8	0.87	14.8	0.89	17.3	0.93	19.8	0.95	22.3	0.96	24.8	0.98	27.3	0.99	29.8	1.01	32.3	1.02	56
12.3	0.87	14.3	0.89	16.8	0.93	19.3	0.94	21.8	0.96	24.3	0.98	26.8	0.99	29.3	1.01	31.8	1.02	57
10.3	0.86	12.3	0.88	14.8	0.92	17.3	0.94	19.8	0.96	22.3	0.98	24.8	0.99	27.3	1.00	29.8	1.02	58
9.8	0.86	11.8	0.88	14.3	0.92	16.8	0.94	19.3	0.96	21.8	0.97	24.3	0.99	26.8	1.00	29.3	1.02	59
9.2	0.86	11.2	0.88	13.7	0.92	16.2	0.94	18.7	0.96	21.2	0.97	23.7	0.99	26.2	1.00	28.7	1.02	60
A52		**A60**		**A68**		**A76**		**A84**		**A92**		**A100**		**A110**		**A120**		
15.9	0.94	20.0	0.97	24.0	1.00	28.0	1.02	32.0	1.04	36.0	1.05	40.0	1.08	45.0	1.10	50.0	1.12	61
15.8	0.94	19.8	0.97	23.8	1.00	27.8	1.02	31.8	1.04	35.8	1.05	39.8	1.08	44.8	1.10	49.8	1.12	62
13.8	0.93	17.6	0.97	21.6	0.99	25.6	1.01	29.6	1.03	33.6	1.05	37.6	1.08	42.6	1.10	47.6	1.12	63
11.7	0.93	15.8	0.96	19.8	0.99	23.8	1.01	27.8	1.03	31.8	1.05	35.8	1.08	40.8	1.10	45.8	1.11	64
—	—	13.6	0.95	17.6	0.98	21.6	1.01	25.7	1.03	29.7	1.05	33.7	1.08	38.7	1.10	43.7	1.11	65
A63		**A74**		**A85**		**A96**		**A105**		**A120**		**A128**		**A136**		**A144**		
—	—	16.4	0.99	22.0	1.02	27.5	1.05	32.0	1.08	39.5	1.11	43.5	1.12	47.5	1.13	51.5	1.14	66
27.8	0.99	33.3	1.02	38.8	1.04	44.3	1.07	48.8	1.10	56.3	1.12	60.3	1.13	64.3	1.14	68.3	1.15	67
27.0	0.99	32.5	1.02	38.0	1.04	43.5	1.07	48.0	1.10	55.5	1.12	59.5	1.13	63.5	1.14	67.5	1.15	68
26.5	0.99	32.0	1.02	37.5	1.04	43.0	1.07	47.5	1.10	55.0	1.12	59.0	1.13	63.0	1.14	67.0	1.15	69
25.4	0.99	30.9	1.02	36.4	1.04	41.9	1.06	46.4	1.10	53.9	1.12	57.9	1.13	61.9	1.14	65.9	1.15	70
A36		**A40**		**A45**		**A50**		**A55**		**A60**		**A65**		**A70**		**A75**		
11.7	0.87	13.7	0.89	16.2	0.92	18.7	0.94	21.2	0.96	23.7	0.98	26.2	0.99	28.7	1.01	31.2	1.02	71
11.2	0.86	13.2	0.88	15.7	0.92	18.2	0.94	20.7	0.96	23.2	0.98	25.7	0.99	28.2	1.01	30.7	1.02	72
10.6	0.86	12.6	0.88	15.1	0.92	17.6	0.94	20.1	0.96	22.6	0.98	25.1	0.99	27.6	1.00	30.1	1.02	73
10.1	0.86	12.1	0.88	14.6	0.92	17.1	0.94	19.6	0.96	22.1	0.97	24.6	0.99	27.1	1.00	29.6	1.02	74
9.5	0.86	11.5	0.88	14.0	0.92	16.5	0.94	19.0	0.96	21.5	0.97	24.0	0.99	26.5	1.00	29.0	1.02	75

B

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Datum Diameter Driver	Datum Diameter Driven	Type Fix.	Type Var.	Nominal Driven Speeds and Horsepower per Belt — 3500 RPM Driver: Nominal Driven Speed	3500 RPM Driver: HP per Belt Super	3500 RPM Driver: HP per Belt Gripnotch	1750 RPM Driver: Nominal Driven Speed	1750 RPM Driver: HP per Belt Super	1750 RPM Driver: HP per Belt Gripnotch	Center Distance in Inches and "F" Factor for Browning Belts: Belt No. C.D.	Belt No. F	Belt No. C.D.	Belt No. F	Belt No. C.D.	Belt No. F
														A24		A29		A34	
1	1.30	1	6	5.8	7.6	x	—	2692	10.56	12.04	1346	7.14	7.62	—	—	—	—	—	—
2	1.30	1	1	6.0	7.9	x	x	2692	10.92	12.47	1346	7.46	7.95	—	—	—	—	—	—
3	1.30	1	1	6.6	8.7	x	—	2692	11.89	13.67	1346	8.38	8.90	—	—	—	—	—	—
4	1.30	1	3	6.7	8.8	x	x	2692	12.03	13.86	1346	8.53	9.06	—	—	—	—	—	—
5	1.30	1	3	7.0	9.2	x	x	—	—	—	1346	8.98	9.52	—	—	—	—	—	—
														A26		A32		A38	
6	1.30	1	1	7.4	9.7	x	—	—	—	—	1346	9.56	10.13	—	—	—	—	—	—
7	1.30	1	10	7.8	10.2	x	—	—	—	—	1346	10.12	10.73	—	—	—	—	—	—
8	1.31	1	1	2.7	3.6	x	—	2671	2.88	3.82	1335	1.89	2.62	8.7	0.81	11.7	0.85	14.7	0.88
9	1.31	1	3	3.0	4.0	x	x	2671	3.52	4.61	1335	2.36	3.10	8.1	0.81	11.1	0.85	14.1	0.88
10	1.31	1	2	3.3	4.4	x	x	2671	4.41	5.37	1335	2.91	3.58	7.6	0.80	10.6	0.85	13.6	0.88
														A24		A28		A32	
11	1.31	1	3	3.6	4.8	x	x	2671	5.29	6.26	1335	3.44	4.05	6.0	0.78	8.0	0.82	10.0	0.84
12	1.31	1	1	3.9	5.2	x	—	2671	6.13	7.14	1335	3.97	4.51	—	—	7.5	0.81	9.5	0.84
13	1.31	1	6	4.2	5.6	x	—	2671	6.94	8.00	1335	4.49	4.96	—	—	6.9	0.81	8.9	0.84
14	1.31	1	1	4.3	5.7	x	—	2671	7.20	8.28	1335	4.67	5.10	—	—	6.8	0.81	8.8	0.84
15	1.31	1	3	5.2	6.9	x	x	2671	9.34	10.64	1335	6.18	6.63	—	—	—	—	—	—
														A24		A30		A36	
16	1.31	1	6	5.6	7.4	x	x	2671	10.17	11.59	1335	6.82	7.30	—	—	—	—	8.4	0.85
17	1.31	1	1	5.8	7.7	x	—	2671	10.56	12.04	1335	7.14	7.62	—	—	—	—	—	—
18	1.31	1	3	5.9	7.8	x	—	2671	10.74	12.26	1335	7.30	7.79	—	—	—	—	—	—
19	1.31	1	10	6.2	8.2	x	x	2671	11.27	12.89	1335	7.77	8.27	—	—	—	—	—	—
20	1.31	1	10	7.4	9.8	x	—	—	—	—	1335	9.56	10.13	—	—	—	—	—	—
														A28		A36		A44	
21	1.31	1	1	7.7	10.2	x	—	—	—	—	1335	9.98	10.58	—	—	—	—	—	—
22	1.31	1	3	9.2	12.2	x	—	—	—	—	1335	11.97	12.71	—	—	—	—	—	—
23	1.32	1	1	2.6	3.5	x	—	2651	2.67	3.55	1325	1.76	2.45	9.9	0.82	13.9	0.87	17.9	0.91
24	1.32	1	1	2.9	3.9	x	—	2651	3.32	4.35	1325	2.21	2.94	9.3	0.82	13.3	0.87	17.3	0.91
25	1.32	1	1	3.2	4.3	x	—	2651	4.18	5.12	1325	2.76	3.42	8.7	0.82	12.8	0.87	16.8	0.91
														A24		A28		A32	
26	1.32	1	2	3.5	4.7	x	—	2651	5.06	5.95	1325	3.30	3.90	6.2	0.78	8.2	0.82	10.2	0.84
27	1.32	1	3	4.4	5.9	x	x	2651	7.52	8.56	1325	4.87	5.27	—	—	—	—	8.5	0.84
28	1.32	1	6	4.8	6.4	x	—	2651	8.44	9.63	1325	5.51	5.96	—	—	—	—	7.8	0.83
29	1.32	1	3	5.0	6.7	x	x	2651	8.96	10.14	1325	5.88	6.30	—	—	—	—	7.4	0.83
30	1.32	1	6	5.4	7.2	x	—	2651	9.83	11.12	1325	6.53	6.97	—	—	—	—	—	—
														A26		A34		A42	
31	1.32	1	3	5.7	7.6	x	x	2651	10.43	11.81	1325	7.01	7.46	—	—	—	—	11.2	0.88
32	1.32	1	1	5.9	7.9	x	—	2651	10.81	12.26	1325	7.33	7.79	—	—	—	—	10.8	0.88
33	1.32	1	10	6.6	8.8	x	—	2651	11.95	13.67	1325	8.41	8.90	—	—	—	—	9.5	0.87
34	1.32	1	3	6.9	9.2	x	—	—	—	—	1325	8.86	9.37	—	—	—	—	—	—
35	1.32	1	1	8.8	11.7	x	—	—	—	—	1325	11.50	12.16	—	—	—	—	—	—
														A28		A38		A48	
36	1.32	1	1	10.7	14.2	x	—	—	—	—	1325	13.75	14.63	—	—	—	—	—	—
37	1.33	1	1	2.8	3.8	x	x	2631	3.11	4.09	1315	2.02	2.78	9.5	0.82	14.5	0.88	19.5	0.94
38	1.33	1	2	3.1	4.2	x	—	2631	3.87	4.87	1315	2.57	3.27	8.9	0.82	13.9	0.88	18.9	0.94
39	1.33	1	3	3.4	4.6	x	—	2631	4.77	5.65	1315	3.12	3.74	8.3	0.82	13.4	0.88	18.4	0.94
40	1.33	1	2	3.7	5.0	x	—	2631	5.64	6.56	1315	3.65	4.20	7.8	0.81	12.8	0.88	17.8	0.94
														A24		A28		A32	
41	1.33	1	3	4.0	5.4	x	—	2631	6.47	7.43	1315	4.18	4.66	—	—	7.2	0.81	9.2	0.84
42	1.33	1	1	4.3	5.8	x	—	2631	7.26	8.28	1315	4.70	5.10	—	—	6.7	0.81	8.7	0.84
43	1.33	1	6	4.6	6.2	x	—	2631	8.02	9.10	1315	5.21	5.61	—	—	—	—	8.1	0.83
44	1.33	1	3	4.9	6.6	x	—	2631	8.73	9.88	1315	5.71	6.13	—	—	—	—	7.6	0.83
45	1.33	1	6	5.2	7.0	x	x	2631	9.40	10.64	1315	6.21	6.63	—	—	—	—	—	—
														A24		A30		A36	
46	1.33	1	1	5.7	7.7	x	x	2631	10.43	11.81	1315	7.01	7.46	—	—	—	—	—	—
47	1.33	1	6	5.8	7.8	x	—	2631	10.62	12.04	1315	7.17	7.62	—	—	—	—	—	—
48	1.33	1	10	7.0	9.4	x	x	—	—	—	1315	9.01	9.52	—	—	—	—	—	—
49	1.33	1	1	7.2	9.7	x	—	—	—	—	1315	9.30	9.83	—	—	—	—	—	—
50	1.33	1	10	7.6	10.2	x	—	—	—	—	1315	9.87	10.43	—	—	—	—	—	—
														A28		A38		A48	
51	1.33	1	1	8.7	11.7	x	—	—	—	—	1315	11.37	12.02	—	—	—	—	—	—
52	1.33	1	10	8.8	11.8	x	—	—	—	—	1315	11.50	12.16	—	—	—	—	—	—
53	1.33	1	1	10.7	14.4	x	—	—	—	—	1315	13.75	14.63	—	—	—	—	—	—
54	1.34	1	1	2.4	3.3	x	—	2611	2.24	3.00	1305	1.50	2.12	10.2	0.83	15.2	0.88	20.2	0.94
55	1.34	1	1	2.7	3.7	x	—	2611	2.90	3.82	1305	1.89	2.62	9.6	0.82	14.6	0.88	19.6	0.94
														A24		A28		A32	
56	1.34	1	1	3.0	4.1	x	x	2611	3.60	4.61	1305	2.41	3.10	7.1	0.79	9.1	0.82	11.1	0.85
57	1.34	1	3	3.6	4.9	x	x	2611	5.39	6.35	1305	3.49	4.05	5.9	0.78	8.0	0.81	10.0	0.84
58	1.34	1	1	4.1	5.6	x	—	2611	6.77	7.81	1305	4.37	4.81	—	—	7.0	0.81	9.0	0.84
59	1.34	1	3	4.2	5.7	x	—	2611	7.04	8.09	1305	4.54	4.96	—	—	6.8	0.81	8.8	0.84
60	1.34	1	6	4.4	6.0	x	x	2611	7.55	8.65	1305	4.89	5.31	—	—	—	—	8.4	0.83
														A24		A29		A34	
61	1.34	1	3	4.7	6.4	x	—	2611	8.30	9.45	1305	5.40	5.83	—	—	—	—	8.9	0.84
62	1.34	1	6	5.0	6.8	x	x	2611	9.00	10.23	1305	5.90	6.34	—	—	—	—	8.3	0.84
63	1.34	1	6	5.6	7.6	x	x	2611	10.27	11.67	1305	6.87	7.34	—	—	—	—	—	—
64	1.34	1	1	6.4	8.7	x	—	2611	11.69	13.38	1305	8.13	8.63	—	—	—	—	—	—
65	1.34	1	3	6.8	9.2	x	—	2611	12.26	14.13	1305	8.73	9.26	—	—	—	—	—	—
														A28		A37		A45	
66	1.34	1	1	7.9	10.7	x	—	—	—	—	1305	10.31	10.92	—	—	—	—	—	—
67	1.34	1	1	8.7	11.8	x	—	—	—	—	1305	11.39	12.06	—	—	—	—	—	—
68	1.34	1	10	9.8	13.2	x	—	—	—	—	1305	12.73	13.50	—	—	—	—	—	—
69	1.35	1	1	2.6	3.6	x	—	2592	2.69	3.55	1296	1.77	2.45	9.8	0.82	14.3	0.88	18.3	0.93
70	1.35	1	1	2.9	4.0	x	—	2592	3.34	4.35	1296	2.22	2.94	9.2	0.82	13.7	0.87	17.7	0.93
														A24		A28		A32	
71	1.35	1	3	3.2	4.4	x	—	2592	4.21	5.12	1296	2.77	3.42	6.7	0.79	8.7	0.82	10.7	0.84
72	1.35	1	2	3.5	4.8	x	—	2592	5.10	6.04	1296	3.31	3.90	6.1	0.78	8.1	0.82	10.1	0.84
73	1.35	1	3	3.8	5.2	x	x	2592	5.96	6.94	1296	3.85	4.36	—	—	7.6	0.81	9.6	0.84
74	1.35	1	1	4.3	5.9	x	—	2592	7.30	8.37	1296	4.72	5.14	—	—	—	—	8.6	0.83
75	1.35	1	3	4.9	6.7	x	—	2592	8.77	9.97	1296	5.73	6.17	—	—	—	—	7.5	0.83

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) In Inches and Arc–Length Factor (F) using Browning Belts

Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
A39		**A44**		**A49**		**A54**		**A59**		**A64**		**A69**		**A74**		**A80**		
9.6	0.87	12.1	0.89	14.6	0.93	17.1	0.95	19.6	0.97	22.1	0.98	24.6	1.00	27.1	1.01	30.1	1.03	1
9.2	0.86	11.7	0.89	14.2	0.93	16.7	0.95	19.2	0.97	21.7	0.98	24.2	1.00	26.7	1.01	29.7	1.03	2
—	—	10.6	0.89	13.1	0.92	15.6	0.95	18.1	0.96	20.6	0.98	23.1	1.00	25.6	1.01	28.6	1.02	3
—	—	10.4	0.89	12.9	0.92	15.4	0.95	18.0	0.96	20.5	0.98	23.0	1.00	25.5	1.01	28.5	1.02	4
—	—	9.9	0.88	12.4	0.92	14.9	0.94	17.4	0.96	19.9	0.98	22.4	0.99	24.9	1.01	27.9	1.02	5
A44		**A50**		**A56**		**A62**		**A68**		**A74**		**A81**		**A88**		**A95**		
—	—	12.2	0.92	15.2	0.95	18.2	0.97	21.2	0.99	24.2	1.01	27.7	1.02	31.2	1.04	34.7	1.06	6
—	—	11.5	0.92	14.5	0.95	17.5	0.97	20.5	0.99	23.5	1.01	27.0	1.02	30.5	1.04	34.0	1.06	7
17.7	0.91	20.7	0.95	23.7	0.97	26.7	0.99	29.7	1.00	32.7	1.02	36.2	1.03	39.7	1.05	43.2	1.06	8
17.1	0.91	20.1	0.95	23.1	0.97	26.2	0.99	29.2	1.00	32.2	1.02	35.7	1.03	39.2	1.05	42.7	1.06	9
16.6	0.91	19.6	0.94	22.6	0.97	25.6	0.98	28.6	1.00	31.6	1.02	35.1	1.03	38.6	1.05	42.1	1.06	10
A36		**A40**		**A45**		**A50**		**A55**		**A60**		**A65**		**A70**		**A75**		
12.0	0.87	14.0	0.89	16.5	0.92	19.0	0.94	21.5	0.96	24.0	0.98	26.5	0.99	29.0	1.01	31.6	1.02	11
11.5	0.86	13.5	0.89	16.0	0.92	18.5	0.94	21.0	0.96	23.5	0.98	26.0	0.99	28.5	1.01	31.0	1.02	12
10.9	0.86	12.9	0.88	15.4	0.92	17.9	0.94	20.4	0.96	22.9	0.98	25.4	0.99	27.9	1.00	30.4	1.02	13
10.8	0.86	12.8	0.88	15.3	0.92	17.8	0.94	20.3	0.96	22.8	0.98	25.3	0.99	27.8	1.00	30.3	1.02	14
9.1	0.85	11.1	0.88	13.6	0.92	16.1	0.94	18.6	0.96	21.1	0.97	23.6	0.99	26.1	1.00	28.6	1.02	15
A42		**A48**		**A54**		**A60**		**A66**		**A72**		**A78**		**A84**		**A90**		
11.4	0.88	14.4	0.93	17.4	0.95	20.4	0.97	23.4	0.99	26.4	1.01	29.4	1.02	32.4	1.04	35.4	1.05	16
11.0	0.88	14.0	0.93	17.0	0.95	20.0	0.97	23.0	0.99	26.0	1.01	29.0	1.02	32.0	1.04	35.0	1.05	17
10.9	0.88	13.9	0.93	16.9	0.95	19.9	0.97	22.9	0.99	25.9	1.01	28.9	1.02	31.9	1.04	34.9	1.05	18
10.3	0.88	13.3	0.92	16.3	0.95	19.3	0.97	22.3	0.99	25.3	1.00	28.3	1.02	31.3	1.03	34.3	1.05	19
—	—	11.1	0.91	14.1	0.94	17.1	0.96	20.1	0.98	23.1	1.00	26.1	1.02	29.1	1.03	32.1	1.04	20
A52		**A60**		**A68**		**A76**		**A84**		**A92**		**A100**		**A110**		**A120**		
12.5	0.93	16.6	0.96	20.6	0.99	24.6	1.01	28.6	1.03	32.6	1.05	36.6	1.08	41.6	1.10	46.6	1.11	21
—	—	13.8	0.95	17.8	0.98	21.8	1.00	25.8	1.03	29.8	1.04	33.8	1.08	38.8	1.09	43.8	1.11	22
21.9	0.95	25.9	0.98	29.9	1.00	33.9	1.02	37.9	1.04	41.9	1.06	45.8	1.09	50.9	1.11	55.9	1.12	23
21.3	0.95	25.3	0.98	29.3	1.00	33.3	1.02	37.3	1.04	41.3	1.06	45.3	1.09	50.3	1.11	55.3	1.12	24
20.8	0.95	24.8	0.98	28.8	1.00	32.8	1.02	36.8	1.04	40.8	1.06	44.8	1.09	49.8	1.10	54.8	1.12	25
A36		**A40**		**A45**		**A50**		**A55**		**A60**		**A65**		**A70**		**A75**		
12.2	0.87	14.2	0.89	16.7	0.92	19.2	0.94	21.7	0.96	24.2	0.98	26.7	0.99	29.2	1.01	31.7	1.02	26
10.5	0.86	12.5	0.88	15.0	0.92	17.5	0.94	20.1	0.96	22.6	0.98	25.1	0.99	27.6	1.00	30.1	1.02	27
9.8	0.86	11.8	0.88	14.3	0.92	16.8	0.94	19.3	0.96	21.8	0.97	24.3	0.99	26.8	1.00	29.3	1.02	28
9.4	0.85	11.4	0.88	13.9	0.92	16.4	0.94	18.9	0.96	21.4	0.97	24.0	0.99	26.5	1.00	29.0	1.02	29
8.7	0.85	10.7	0.87	13.2	0.91	15.7	0.94	18.2	0.95	20.7	0.97	23.2	0.99	25.7	1.00	28.2	1.01	30
A48		**A55**		**A63**		**A70**		**A77**		**A84**		**A91**		**A98**		**A105**		
14.2	0.93	17.7	0.95	21.7	0.98	25.2	1.00	28.7	1.02	32.2	1.04	35.7	1.05	39.2	1.08	42.7	1.09	31
13.8	0.92	17.3	0.95	21.3	0.98	24.8	1.00	28.3	1.02	31.8	1.03	35.3	1.05	38.8	1.08	42.3	1.09	32
12.5	0.92	16.0	0.95	20.0	0.98	23.5	1.00	27.0	1.02	30.5	1.03	34.0	1.05	37.5	1.08	41.0	1.09	33
12.0	0.92	15.5	0.95	19.5	0.98	23.0	1.00	26.5	1.02	30.0	1.03	33.5	1.05	37.0	1.08	40.5	1.09	34
—	—	12.0	0.93	16.0	0.96	19.5	0.99	23.0	1.01	26.5	1.03	30.0	1.04	33.5	1.07	37.0	1.09	35
A58		**A68**		**A78**		**A88**		**A100**		**A112**		**A120**		**A128**		**A136**		
—	—	15.0	0.97	20.0	1.00	25.0	1.03	31.1	1.07	37.1	1.09	41.1	1.11	45.1	1.12	49.1	1.13	36
24.5	0.97	29.5	1.00	34.5	1.03	39.5	1.05	45.5	1.09	51.5	1.11	55.5	1.12	59.5	1.13	63.5	1.14	37
23.9	0.97	28.9	1.00	33.9	1.03	38.9	1.05	44.9	1.09	50.9	1.11	54.9	1.12	58.9	1.13	62.9	1.14	38
23.4	0.97	28.4	1.00	33.4	1.03	38.4	1.05	44.4	1.09	50.4	1.11	54.4	1.12	58.4	1.13	62.4	1.14	39
22.8	0.97	27.8	1.00	32.8	1.03	37.8	1.05	43.8	1.09	49.8	1.11	53.8	1.12	57.8	1.13	61.8	1.14	40
A36		**A40**		**A45**		**A50**		**A55**		**A60**		**A65**		**A70**		**A75**		
11.2	0.86	13.3	0.88	15.8	0.92	18.3	0.94	20.8	0.96	23.3	0.98	25.8	0.99	28.3	1.00	30.8	1.02	41
10.7	0.86	12.7	0.88	15.2	0.92	17.7	0.94	20.2	0.96	22.7	0.98	25.2	0.99	27.7	1.00	30.2	1.02	42
10.1	0.86	12.1	0.88	14.7	0.92	17.2	0.94	19.7	0.96	22.2	0.97	24.7	0.99	27.2	1.00	29.7	1.02	43
9.6	0.86	11.6	0.88	14.1	0.92	16.6	0.94	19.1	0.96	21.6	0.97	24.1	0.99	26.6	1.00	29.1	1.02	44
9.0	0.85	11.0	0.88	13.5	0.91	16.0	0.94	18.6	0.95	21.1	0.97	23.6	0.99	26.1	1.00	28.6	1.01	45
A42		**A48**		**A54**		**A60**		**A66**		**A72**		**A78**		**A84**		**A90**		
11.1	0.88	14.1	0.92	17.1	0.95	20.1	0.97	23.1	0.99	26.1	1.01	29.1	1.02	32.1	1.03	35.1	1.05	46
10.9	0.88	13.9	0.92	16.9	0.95	19.9	0.97	23.0	0.99	26.0	1.01	29.0	1.02	32.0	1.03	35.0	1.05	47
—	—	11.7	0.91	14.7	0.94	17.7	0.96	20.7	0.98	23.7	1.00	26.7	1.02	29.8	1.03	32.8	1.05	48
—	—	11.3	0.91	14.3	0.94	17.3	0.96	20.3	0.98	23.4	1.00	26.4	1.02	29.4	1.03	32.4	1.04	49
—	—	10.6	0.91	13.6	0.94	16.6	0.96	19.6	0.98	22.6	1.00	25.6	1.02	28.6	1.03	31.7	1.04	50
A58		**A68**		**A78**		**A88**		**A100**		**A112**		**A120**		**A128**		**A136**		
13.6	0.94	18.6	0.98	23.6	1.01	28.6	1.04	34.6	1.08	40.6	1.10	44.6	1.11	48.6	1.12	52.6	1.14	51
13.4	0.94	18.4	0.98	23.4	1.01	28.4	1.04	34.4	1.08	40.5	1.10	44.5	1.11	48.5	1.12	52.5	1.14	52
—	—	14.8	0.97	19.9	1.00	24.9	1.03	30.9	1.07	36.9	1.09	40.9	1.11	44.9	1.12	48.9	1.13	53
25.2	0.97	30.2	1.00	35.2	1.03	40.2	1.05	46.2	1.09	52.2	1.11	56.2	1.12	60.2	1.13	64.2	1.14	54
24.6	0.97	29.6	1.00	34.6	1.03	39.6	1.05	45.6	1.09	51.6	1.11	55.6	1.12	59.6	1.13	63.6	1.14	55
A36		**A40**		**A45**		**A50**		**A55**		**A60**		**A65**		**A70**		**A75**		
13.1	0.87	15.1	0.89	17.6	0.93	20.1	0.95	22.6	0.96	25.1	0.98	27.6	0.99	30.1	1.01	32.6	1.02	56
12.0	0.87	14.0	0.89	16.5	0.92	19.0	0.94	21.5	0.96	24.0	0.98	26.5	0.99	29.0	1.01	31.5	1.02	57
11.0	0.86	13.0	0.88	15.5	0.92	18.0	0.94	20.5	0.96	23.0	0.98	25.5	0.99	28.0	1.00	30.5	1.02	58
10.9	0.86	12.9	0.88	15.4	0.92	17.9	0.94	20.4	0.96	22.9	0.98	25.4	0.99	27.9	1.00	30.4	1.02	59
10.5	0.86	12.5	0.88	15.0	0.92	17.5	0.94	20.0	0.96	22.5	0.97	25.0	0.99	27.5	1.00	30.0	1.02	60
A39		**A44**		**A49**		**A54**		**A59**		**A64**		**A69**		**A74**		**A80**		
11.4	0.87	13.9	0.90	16.4	0.93	18.9	0.95	21.4	0.97	23.9	0.99	26.4	1.00	28.9	1.01	31.9	1.03	61
10.8	0.87	13.4	0.90	15.9	0.93	18.4	0.95	20.9	0.97	23.4	0.98	25.9	1.00	28.4	1.01	31.4	1.03	62
9.7	0.86	12.2	0.89	14.8	0.93	17.3	0.95	19.8	0.97	22.3	0.98	24.8	1.00	27.3	1.01	30.3	1.03	63
—	—	10.7	0.88	13.2	0.92	15.8	0.94	18.3	0.96	20.8	0.98	23.3	0.99	25.8	1.01	28.8	1.02	64
—	—	10.0	0.88	12.5	0.92	15.0	0.94	17.5	0.96	20.1	0.98	22.6	0.99	25.1	1.01	28.1	1.02	65
A54		**A63**		**A72**		**A81**		**A90**		**A98**		**A105**		**A112**		**A128**		
13.0	0.93	17.5	0.97	22.0	1.00	26.5	1.02	31.0	1.04	35.0	1.07	38.5	1.09	42.0	1.10	50.0	1.13	66
—	—	16.0	0.96	20.5	0.99	25.0	1.02	29.5	1.04	33.5	1.07	37.0	1.09	40.5	1.10	48.5	1.12	67
—	—	14.0	0.95	18.5	0.99	23.0	1.01	27.5	1.04	31.5	1.07	35.1	1.08	38.6	1.10	46.6	1.12	68
22.8	0.96	27.3	0.99	31.8	1.01	36.3	1.03	40.8	1.05	44.8	1.08	48.3	1.10	51.8	1.11	59.8	1.13	69
22.2	0.96	26.7	0.99	31.2	1.01	35.7	1.03	40.2	1.05	44.2	1.08	47.7	1.10	51.2	1.11	59.2	1.13	70
A36		**A40**		**A45**		**A50**		**A55**		**A60**		**A65**		**A70**		**A75**		
12.7	0.87	14.7	0.89	17.2	0.92	19.7	0.94	22.2	0.96	24.7	0.98	27.2	0.99	29.7	1.01	32.2	1.02	71
12.1	0.87	14.1	0.89	16.6	0.92	19.1	0.94	21.6	0.96	24.1	0.98	26.6	0.99	29.1	1.01	31.6	1.02	72
11.6	0.86	13.6	0.88	16.1	0.92	18.6	0.94	21.1	0.96	23.6	0.98	26.1	0.99	28.6	1.01	31.1	1.02	73
10.6	0.86	12.6	0.88	15.1	0.92	17.6	0.94	20.1	0.96	22.6	0.97	25.1	0.99	27.6	1.00	30.1	1.02	74
9.5	0.85	11.5	0.88	14.0	0.92	16.5	0.94	19.0	0.96	21.5	0.97	24.0	0.99	26.5	1.00	29.0	1.02	75

B

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Datum Diameter Driver	Datum Diameter Driven	Type Fix.	Type Var.	Nominal Driven Speeds and Horsepower per Belt — 3500 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	1750 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	Center Distance in inches and 'F' Factor for Browning Belts: Belt No.	C.D.	F	Belt No.	C.D.	F	Belt No.	C.D.	F
1	1.35	1	6	5.4	7.4	X	—	2592	9.87	11.21	1296	6.55	7.01		A24			A29				A34	
2	1.35	1	3	5.7	7.8	X	X	2592	10.47	11.90	1296	7.03	7.50	—	—	—	—	—	—	—	—	—
3	1.35	1	1	5.8	7.9	X	—	2592	10.66	12.13	1296	7.19	7.67	—	—	—	—	—	—	—	—	—
4	1.35	1	6	6.0	8.2	X	X	2592	11.02	12.56	1296	7.51	7.99	—	—	—	—	—	—	—	—	—
5	1.35	1	3	6.9	9.4	X	—	—	—	—	1296	8.88	9.41	—	—	—	—	—	—	—	—	—
															A30			A41				A52	
6	1.35	1	10	7.2	9.8	X	—	—	—	—	1296	9.32	9.87	—	—	—	—	—	—	13.2	0.93	
7	1.35	1	3	8.2	11.2	X	—	—	—	—	1296	10.72	11.35	—	—	—	—	—	—	11.3	0.92	
8	1.35	1	1	9.7	13.2	X	—	—	—	—	1296	12.63	13.42	—	—	—	—	—	—	—	—	
9	1.35	1	2	11.2	15.2	X	—	—	—	—	1296	14.29	15.27	—	—	—	—	—	—	—	—	
10	1.36	1	1	2.8	3.9	X	X	2573	3.13	4.09	1286	2.04	2.78	10.4	0.83		15.9	0.89		21.4	0.95	
															A24			A28				A32	
11	1.36	1	1	3.1	4.3	X	—	2573	3.91	4.87	1286	2.59	3.27	6.8	0.79		8.8	0.82		10.8	0.84	
12	1.36	1	3	3.4	4.7	X	—	2573	4.81	5.74	1286	3.13	3.74	6.3	0.78		8.3	0.82		10.3	0.84	
13	1.36	1	3	3.6	5.0	X	X	2573	5.39	6.35	1286	3.49	4.05	5.9	0.78		7.9	0.81		9.9	0.84	
14	1.36	1	1	3.9	5.4	X	—	2573	6.23	7.23	1286	4.02	4.51	—	—		7.3	0.81		9.3	0.84	
15	1.36	1	6	4.2	5.8	X	—	2573	7.04	8.09	1286	4.54	4.96	—	—		6.8	0.80		8.8	0.83	
															A24			A29				A34	
16	1.36	1	6	4.8	6.6	X	—	2573	8.53	9.72	1286	5.56	6.00	—	—		—	—		8.7	0.84	
17	1.36	1	3	5.0	6.9	X	X	2573	9.00	10.23	1286	5.90	6.34	—	—		—	—		8.3	0.84	
18	1.36	1	1	5.6	7.7	X	X	2573	10.27	11.67	1286	6.87	7.34	—	—		—	—		—	—	
19	1.36	1	10	6.4	8.8	X	—	2573	11.69	13.38	1286	8.13	8.63	—	—		—	—		—	—	
20	1.36	1	3	6.7	9.2	X	X	2573	12.13	13.95	1286	8.58	9.10	—	—		—	—		—	—	
															A26			A32				A38	
21	1.36	1	10	7.4	10.2	X	—	—	—	—	1286	9.61	10.18	—	—		—	—		—	—	
22	1.36	1	1	7.8	10.7	X	—	—	—	—	1286	10.17	10.77	—	—		—	—		—	—	
23	1.37	1	1	2.7	3.8	X	—	2554	2.92	3.82	1277	1.90	2.62	8.5	0.81		11.5	0.85		14.5	0.88	
24	1.37	1	3	3.0	4.2	X	X	2554	3.60	4.61	1277	2.41	3.10	8.0	0.80		11.0	0.84		14.0	0.88	
25	1.37	1	2	3.3	4.6	X	X	2554	4.51	5.43	1277	2.95	3.58	7.4	0.80		10.4	0.84		13.4	0.88	
															A24			A28				A32	
26	1.37	1	2	3.5	4.9	X	—	2554	5.10	6.04	1277	3.31	3.90	6.0	0.78		8.0	0.81		10.0	0.84	
27	1.37	1	1	4.1	5.7	X	—	2554	6.77	7.81	1277	4.37	4.81	—	—		6.9	0.81		8.9	0.83	
28	1.37	1	1	4.3	6.0	X	—	2554	7.30	8.37	1277	4.72	5.14	—	—		—	—		8.5	0.83	
29	1.37	1	6	4.6	6.4	X	—	2554	8.05	9.19	1277	5.23	5.66	—	—		—	—		8.0	0.83	
30	1.37	1	3	4.9	6.8	X	—	2554	8.77	9.97	1277	5.73	6.17	—	—		—	—		7.4	0.82	
															A24			A29				A34	
31	1.37	1	6	5.2	7.2	X	X	2554	9.44	10.73	1277	6.23	6.68	—	—		—	—		7.9	0.83	
32	1.37	1	6	5.6	7.8	X	X	2554	10.27	11.67	1277	6.87	7.34	—	—		—	—		—	—	
33	1.37	1	1	5.7	7.9	X	X	2554	10.47	11.90	1277	7.03	7.50	—	—		—	—		—	—	
34	1.37	1	3	5.9	8.2	X	—	2554	10.84	12.34	1277	7.35	7.83	—	—		—	—		—	—	
35	1.37	1	10	6.8	9.4	X	—	2554	12.26	14.13	1277	8.73	9.26	—	—		—	—		—	—	
															A28			A36				A44	
36	1.37	1	1	7.0	9.7	X	X	—	—	—	1277	9.03	9.57	—	—		—	—		—	—	
37	1.37	1	1	7.7	10.7	X	—	—	—	—	1277	10.03	10.62	—	—		—	—		—	—	
38	1.37	1	3	8.8	12.2	X	—	—	—	—	1277	11.52	12.20	—	—		—	—		—	—	
39	1.38	1	1	2.4	3.4	X	—	2536	2.26	3.00	1268	1.51	2.12	10.1	0.82		14.1	0.87		18.1	0.91	
40	1.38	1	1	2.9	4.1	X	—	2536	3.35	4.35	1268	2.22	2.94	9.1	0.82		13.1	0.87		17.1	0.91	
															A24			A28				A32	
41	1.38	1	3	3.4	4.8	X	—	2536	4.81	5.74	1268	3.13	3.74	6.2	0.78		8.2	0.81		10.2	0.84	
42	1.38	1	2	3.7	5.2	X	—	2536	5.67	6.64	1268	3.67	4.20	—	—		7.6	0.81		9.6	0.84	
43	1.38	1	3	4.0	5.6	X	—	2536	6.50	7.52	1268	4.20	4.66	—	—		7.1	0.81		9.1	0.84	
44	1.38	1	3	4.2	5.9	X	—	2536	7.04	8.09	1268	4.54	4.96	—	—		6.7	0.80		8.7	0.83	
45	1.38	1	3	4.7	6.6	X	—	2536	8.30	9.45	1268	5.40	5.83	—	—		—	—		7.7	0.83	
															A28			A38				A48	
46	1.38	1	3	4.8	6.7	X	—	2536	8.53	9.72	1268	5.56	6.00	—	—		10.6	0.86		15.6	0.93	
47	1.38	1	6	5.0	7.0	X	X	2536	9.00	10.23	1268	5.90	6.34	—	—		10.2	0.86		15.2	0.93	
48	1.38	1	3	6.6	9.2	X	—	2536	11.99	13.76	1268	8.43	8.95	—	—		—	—		12.2	0.91	
49	1.38	1	10	7.0	9.8	X	X	—	—	—	1268	9.03	9.57	—	—		—	—		11.4	0.91	
50	1.38	1	3	10.2	14.2	X	—	—	—	—	1268	13.21	14.06	—	—		—	—		—	—	
															A24			A28				A32	
51	1.39	1	1	2.6	3.7	X	—	2517	2.71	3.55	1258	1.78	2.45	7.7	0.79		9.7	0.82		11.7	0.85	
52	1.39	1	2	3.1	4.4	X	—	2517	3.91	4.87	1258	2.59	3.27	6.7	0.78		8.7	0.82		10.7	0.84	
53	1.39	1	1	4.1	5.8	X	—	2517	6.77	7.81	1258	4.37	4.81	—	—		6.8	0.80		8.8	0.83	
54	1.39	1	6	4.4	6.2	X	X	2517	7.55	8.65	1258	4.89	5.31	—	—		—	—		8.3	0.83	
55	1.39	1	3	4.9	6.9	X	—	2517	8.77	9.97	1258	5.73	6.17	—	—		—	—		—	—	
															A24			A30				A36	
56	1.39	1	6	5.4	7.6	X	—	2517	9.87	11.21	1258	6.55	7.01	—	—		—	—		8.4	0.84	
57	1.39	1	1	5.6	7.9	X	X	2517	10.27	11.67	1258	6.87	7.34	—	—		—	—		—	—	
58	1.39	1	1	6.2	8.7	X	X	2517	11.36	12.98	1258	7.82	8.31	—	—		—	—		—	—	
59	1.39	1	3	6.7	9.4	X	X	2517	12.13	13.95	1258	8.58	9.10	—	—		—	—		—	—	
60	1.39	1	1	6.9	9.7	X	—	—	—	—	1258	8.88	9.41	—	—		—	—		—	—	
															A28			A37				A45	
61	1.39	1	1	7.6	10.7	X	—	—	—	—	1258	9.89	10.48	—	—		—	—		—	—	
62	1.39	1	1	8.7	12.2	X	—	—	—	—	1258	11.39	12.06	—	—		—	—		—	—	
63	1.39	1	10	9.4	13.2	X	—	—	—	—	1258	12.27	13.02	—	—		—	—		—	—	
64	1.40	1	1	2.8	4.0	X	X	2500	3.14	4.09	1250	2.04	2.78	9.3	0.82		13.8	0.87		17.8	0.92	
65	1.40	1	1	3.0	4.3	X	X	2500	3.60	4.61	1250	2.41	3.10	8.9	0.82		13.4	0.87		17.4	0.92	
															A24			A28				A32	
66	1.40	1	2	3.3	4.7	X	X	2500	4.51	5.43	1250	2.95	3.58	6.3	0.78		8.3	0.81		10.3	0.84	
67	1.40	1	2	3.5	5.0	X	—	2500	5.10	6.04	1250	3.31	3.90	5.9	0.78		7.9	0.81		9.9	0.84	
68	1.40	1	3	3.8	5.4	X	X	2500	5.96	6.94	1250	3.85	4.36	—	—		7.4	0.81		9.4	0.84	
69	1.40	1	3	4.0	5.7	X	—	2500	6.50	7.52	1250	4.20	4.66	—	—		7.0	0.80		9.0	0.83	
70	1.40	1	6	4.2	6.0	X	—	2500	7.04	8.09	1250	4.54	4.96	—	—		—	—		8.6	0.83	
															A24			A29				A34	
71	1.40	1	3	4.7	6.7	X	—	2500	8.30	9.45	1250	5.40	5.83	—	—		—	—		8.6	0.84	
72	1.40	1	6	4.8	6.8	X	—	2500	8.53	9.72	1250	5.56	6.00	—	—		—	—		8.5	0.84	
73	1.40	1	6	5.2	7.4	X	X	2500	9.44	10.73	1250	6.23	6.68	—	—		—	—		—	—	
74	1.40	1	6	5.8	8.2	X	—	2500	10.66	12.13	1250	7.19	7.67	—	—		—	—		—	—	
75	1.40	1	10	6.2	8.8	X	X	2500	11.36	12.98	1250	7.82	8.31	—	—		—	—		—	—	

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts																				Line No.
Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No				
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F			
A39		A44		A49		A54		A59		A64		A69		A74		A80				
10.1	0.87	12.6	0.89	15.1	0.93	17.6	0.95	20.1	0.97	22.6	0.98	25.1	1.00	27.6	1.01	30.6	1.03			1
9.5	0.86	12.0	0.89	14.5	0.93	17.0	0.95	19.5	0.97	22.0	0.98	24.5	1.00	27.0	1.01	30.0	1.03			2
9.3	0.86	11.8	0.89	14.4	0.93	16.9	0.95	19.4	0.97	21.9	0.98	24.4	1.00	26.9	1.01	29.9	1.02			3
8.9	0.86	11.5	0.89	14.0	0.93	16.5	0.95	19.0	0.96	21.5	0.98	24.0	1.00	26.5	1.01	29.5	1.02			4
—	—	9.8	0.88	12.3	0.92	14.8	0.94	17.3	0.96	19.8	0.98	22.3	0.99	24.8	1.01	27.8	1.02			5
A63		A74		A85		A96		A105		A120		A128		A136		A144				
18.8	0.97	24.3	1.01	29.8	1.03	35.3	1.06	39.8	1.09	47.3	1.11	51.3	1.13	55.3	1.14	59.3	1.15			6
16.9	0.97	22.4	1.00	27.9	1.03	33.4	1.05	37.9	1.09	45.4	1.11	49.4	1.12	53.4	1.14	57.4	1.15			7
14.1	0.95	19.6	0.99	25.1	1.02	30.6	1.05	35.1	1.08	42.6	1.11	46.6	1.12	50.6	1.13	54.6	1.14			8
—	—	16.8	0.98	22.3	1.02	27.9	1.04	32.4	1.08	39.9	1.11	43.9	1.12	47.9	1.13	51.9	1.14			9
26.9	0.99	32.4	1.02	37.9	1.04	43.4	1.07	47.9	1.10	55.4	1.12	59.4	1.13	63.4	1.14	67.4	1.15			10
A36		A40		A45		A50		A55		A60		A65		A70		A75				
12.8	0.87	14.8	0.89	17.3	0.92	19.8	0.94	22.3	0.96	24.8	0.98	27.3	0.99	29.8	1.01	32.3	1.02			11
12.3	0.87	14.3	0.89	16.8	0.92	19.3	0.94	21.8	0.96	24.3	0.98	26.8	0.99	29.3	1.01	31.8	1.02			12
11.9	0.86	13.9	0.88	16.4	0.92	18.9	0.94	21.4	0.96	23.9	0.98	26.4	0.99	28.9	1.01	31.4	1.02			13
11.3	0.86	13.3	0.88	15.8	0.92	18.3	0.94	20.8	0.96	23.3	0.98	25.8	0.99	28.3	1.00	30.8	1.02			14
10.8	0.86	12.8	0.88	15.3	0.92	17.8	0.94	20.3	0.96	22.8	0.97	25.3	0.99	27.8	1.00	30.3	1.02			15
A39		A44		A49		A54		A59		A64		A69		A74		A80				
11.2	0.87	13.7	0.90	16.2	0.93	18.7	0.95	21.2	0.97	23.7	0.98	26.2	1.00	28.7	1.01	31.7	1.03			16
10.8	0.87	13.3	0.89	15.8	0.93	18.3	0.95	20.8	0.97	23.3	0.98	25.8	1.00	28.3	1.01	31.3	1.03			17
9.7	0.86	12.2	0.89	14.7	0.93	17.2	0.95	19.7	0.97	22.2	0.98	24.7	1.00	27.2	1.01	30.2	1.03			I8
—	—	10.7	0.88	13.2	0.92	15.7	0.94	18.2	0.96	20.7	0.98	23.2	0.99	25.7	1.01	28.7	1.02			19
—	—	10.1	0.88	12.6	0.92	15.1	0.94	17.6	0.96	20.1	0.98	22.6	0.99	25.1	1.01	28.1	1.02			20
A44		A50		A56		A62		A68		A74		A81		A88		A95				
—	—	11.8	0.92	14.8	0.94	17.8	0.97	20.8	0.99	23.8	1.00	27.3	1.02	30.8	1.04	34.3	1.05			21
—	—	11.0	0.91	14.1	0.94	17.1	0.96	20.1	0.98	23.1	1.00	26.6	1.02	30.1	1.04	33.6	1.05			22
17.5	0.91	20.5	0.95	23.5	0.97	26.5	0.98	29.5	1.00	32.5	1.02	36.0	1.03	39.5	1.05	43.0	1.06			23
17.0	0.91	20.0	0.94	23.0	0.97	26.0	0.98	29.0	1.00	32.0	1.02	35.5	1.03	39.0	1.05	42.5	1.06			24
16.4	0.90	19.4	0.94	22.4	0.96	25.4	0.98	28.4	1.00	31.4	1.02	34.9	1.03	38.4	1.05	41.9	1.06			25
A36		A40		A45		A50		A55		A60		A65		A70		A75				
12.0	0.86	14.0	0.88	16.5	0.92	19.0	0.94	21.5	0.96	24.0	0.98	26.5	0.99	29.0	1.01	31.5	1.02			26
10.9	0.86	12.9	0.88	15.4	0.92	17.9	0.94	20.4	0.96	22.9	0.97	25.4	0.99	27.9	1.00	30.4	1.02			27
10.5	0.86	12.5	0.88	15.0	0.92	17.5	0.94	20.0	0.96	22.5	0.97	25.1	0.99	27.6	1.00	30.1	1.02			28
10.0	0.85	12.0	0.88	14.5	0.92	17.0	0.94	19.5	0.96	22.0	0.97	24.5	0.99	27.0	1.00	29.5	1.02			29
9.4	0.85	11.4	0.87	13.9	0.91	16.4	0.94	18.9	0.95	21.4	0.97	23.9	0.99	26.4	1.00	28.9	1.01			30
A39		A44		A49		A54		A59		A64		A69		A74		A80				
10.4	0.87	12.9	0.89	15.4	0.93	17.9	0.95	20.4	0.97	22.9	0.98	25.4	1.00	27.9	1.01	30.9	1.03			31
9.6	0.86	12.1	0.89	14.6	0.93	17.1	0.95	19.6	0.96	22.1	0.98	24.6	1.00	27.1	1.01	30.1	1.02			32
9.4	0.86	11.9	0.89	14.4	0.93	16.9	0.95	19.4	0.96	21.9	0.98	24.4	1.00	27.0	1.01	30.0	1.02			33
9.0	0.86	11.5	0.89	14.0	0.92	16.5	0.95	19.0	0.96	21.6	0.98	24.1	0.99	26.6	1.01	29.6	1.02			34
—	—	9.8	0.88	12.4	0.92	14.9	0.94	17.4	0.96	19.9	0.98	22.4	0.99	24.9	1.01	27.9	1.02			35
A52		A60		A68		A76		A84		A92		A100		A110		A120				
13.5	0.93	17.5	0.96	21.5	0.99	25.5	1.01	29.5	1.03	33.5	1.05	37.5	1.08	42.5	1.10	47.5	1.11			36
12.1	0.92	16.1	0.96	20.2	0.98	24.2	1.01	28.2	1.03	32.2	1.05	36.2	1.08	41.2	1.10	46.2	1.11			37
—	—	14.1	0.95	18.1	0.98	22.1	1.00	26.1	1.02	30.1	1.04	34.1	1.07	39.1	1.09	44.1	1.11			38
22.1	0.95	26.1	0.98	30.1	1.00	34.1	1.02	38.1	1.04	42.1	1.06	46.1	1.09	51.2	1.11	56.1	1.12			39
21.1	0.95	25.1	0.98	29.1	1.00	33.1	1.02	37.2	1.04	41.2	1.06	45.2	1.09	50.2	1.10	55.2	1.12			40
A36		A40		A45		A50		A55		A60		A65		A70		A75				
12.2	0.86	14.2	0.88	16.7	0.92	19.2	0.94	21.7	0.96	24.2	0.98	26.7	0.99	29.2	1.01	31.7	1.02			41
11.6	0.86	13.6	0.88	16.1	0.92	18.6	0.94	21.2	0.96	23.7	0.98	26.2	0.99	28.7	1.00	31.2	1.02			42
11.1	0.86	13.1	0.88	15.6	0.92	18.1	0.94	20.6	0.96	23.1	0.97	25.6	0.99	28.1	1.00	30.6	1.02			43
10.7	0.86	12.7	0.88	15.2	0.92	17.7	0.94	20.2	0.96	22.7	0.97	25.2	0.99	27.7	1.00	30.2	1.02			44
9.7	0.85	11.7	0.88	14.2	0.91	16.8	0.94	19.3	0.95	21.8	0.97	24.3	0.99	26.8	1.00	29.3	1.01			45
A58		A68		A78		A88		A100		A112		A120		A128		A136				
20.6	0.96	25.6	1.00	30.6	1.02	35.6	1.04	41.6	1.08	47.6	1.10	51.6	1.12	55.6	1.13	59.6	1.14			46
20.2	0.96	25.2	0.99	30.2	1.02	35.2	1.04	41.2	1.08	47.2	1.10	51.2	1.12	55.2	1.13	59.2	1.14			47
17.2	0.96	22.2	0.99	27.2	1.02	32.2	1.04	38.2	1.08	44.2	1.10	48.2	1.11	52.2	1.13	56.2	1.14			48
16.4	0.95	21.4	0.99	26.4	1.01	31.4	1.04	37.4	1.08	43.4	1.10	47.4	1.11	51.4	1.13	55.4	1.14			49
—	—	15.4	0.96	20.4	1.00	25.4	1.03	31.4	1.07	37.4	1.09	41.4	1.11	45.5	1.12	49.5	1.13			50
A36		A40		A45		A50		A55		A60		A65		A70		A75				
13.7	0.87	15.7	0.89	18.2	0.93	20.7	0.95	23.2	0.96	25.7	0.98	28.2	0.99	30.7	1.01	33.2	1.02			51
12.7	0.87	14.7	0.89	17.3	0.92	19.8	0.94	22.3	0.96	24.8	0.98	27.3	0.99	29.8	1.01	32.3	1.02			52
10.8	0.86	12.9	0.88	15.4	0.92	17.9	0.94	20.4	0.96	22.9	0.97	25.4	0.99	27.9	1.00	30.4	1.02			53
10.3	0.86	12.3	0.88	14.8	0.92	17.3	0.94	19.8	0.96	22.3	0.97	24.8	0.99	27.3	1.00	29.8	1.02			54
9.3	0.85	11.3	0.87	13.9	0.91	16.4	0.93	18.9	0.95	21.4	0.97	23.9	0.99	26.4	1.00	28.9	1.01			55
A42		A48		A54		A60		A66		A72		A78		A84		A90				
11.4	0.88	14.4	0.92	17.4	0.95	20.4	0.97	23.4	0.99	26.4	1.00	29.4	1.02	32.4	1.03	35.4	1.05			56
11.0	0.88	14.0	0.92	17.0	0.95	20.0	0.97	23.0	0.99	26.0	1.00	29.0	1.02	32.0	1.03	35.0	1.05			57
9.9	0.87	12.9	0.92	15.9	0.94	18.9	0.96	21.9	0.98	24.9	1.00	27.9	1.02	30.9	1.03	33.9	1.05			58
—	—	11.9	0.91	15.0	0.94	18.0	0.96	21.0	0.98	24.0	1.00	27.0	1.02	30.0	1.03	33.0	1.04			59
—	—	11.5	0.91	14.6	0.94	17.6	0.96	20.6	0.98	23.6	1.00	26.6	1.01	29.6	1.03	32.6	1.04			60
A54		A63		A72		A81		A90		A98		A105		A112		A128				
13.2	0.93	17.7	0.97	22.2	0.99	26.7	1.02	31.2	1.04	35.3	1.07	38.8	1.09	42.3	1.10	50.3	1.12			61
—	—	15.6	0.96	20.2	0.99	24.7	1.01	29.2	1.04	33.2	1.07	36.7	1.08	40.2	1.10	48.2	1.12			62
—	—	14.3	0.95	18.8	0.98	23.3	1.01	27.8	1.03	31.9	1.07	35.4	1.08	38.9	1.09	46.9	1.12			63
22.3	0.96	26.8	0.99	31.3	1.01	35.8	1.03	40.3	1.05	44.3	1.08	47.8	1.10	51.3	1.11	59.3	1.13			64
21.9	0.96	26.4	0.99	30.9	1.01	35.4	1.03	39.9	1.05	43.9	1.08	47.4	1.10	50.9	1.11	58.9	1.13			65
A36		A40		A45		A50		A55		A60		A65		A70		A75				
12.4	0.86	14.4	0.88	16.9	0.92	19.4	0.94	21.9	0.96	24.4	0.98	26.9	0.99	29.4	1.01	31.9	1.02			66
12.0	0.86	14.0	0.88	16.5	0.92	19.0	0.94	21.5	0.96	24.0	0.98	26.5	0.99	29.0	1.00	31.5	1.02			67
11.4	0.86	13.4	0.88	15.9	0.92	18.4	0.94	20.9	0.96	23.4	0.97	25.9	0.99	28.4	1.00	30.9	1.02			68
11.0	0.86	13.0	0.88	15.5	0.92	18.0	0.94	20.5	0.96	23.0	0.97	25.5	0.99	28.0	1.00	30.5	1.02			69
10.6	0.86	12.6	0.88	15.1	0.92	17.6	0.94	20.1	0.96	22.6	0.97	25.1	0.99	27.6	1.00	30.1	1.02			70
A39		A44		A49		A54		A59		A64		A69		A74		A80				
11.2	0.87	13.7	0.89	16.2	0.93	18.7	0.95	21.2	0.97	23.7	0.98	26.2	1.00	28.7	1.01	31.7	1.03			71
11.0	0.87	13.5	0.89	16.0	0.93	18.5	0.95	21.0	0.97	23.5	0.98	26.0	1.00	28.5	1.01	31.5	1.03			72
10.2	0.86	12.7	0.89	15.2	0.93	17.7	0.95	20.2	0.97	22.7	0.98	25.2	1.00	27.7	1.01	30.7	1.02			73
9.1	0.86	11.6	0.88	14.1	0.92	16.6	0.94	19.1	0.96	21.6	0.98	24.1	0.99	26.6	1.01	29.6	1.02			74
—	—	10.8	0.88	13.3	0.92	15.8	0.94	18.3	0.96	20.8	0.98	23.3	0.99	25.8	1.01	28.8	1.02			75

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves		Datum Diameter		Type		Nominal Driven Speeds and Horsepower Belt						Center Distance in Inches and "F" Factor for Browning Belts					
								3500 RPM Driver			1750 RPM Driver								
								Nominal Driven Speed	HP per Belt		Nominal Driven Speed	HP per Belt		Belt No.		Belt No.		Belt No.	
		Min	Max	Driver	Driven	Fix.	Var.		Super	Gripnotch		Super	Gripnotch	C.D.	F	C.D.	F	C.D.	F
														A28		A38		A48	
1	1.40	1	3	6.9	9.8	X	—	—	—	—	1250	8.88	9.41	—	—	—	—	11.4	0.91
2	1.40	1	10	7.2	10.2	X	—	—	—	—	1250	9.32	9.87	—	—	—	—	10.9	0.90
3	1.40	1	1	7.9	11.2	X	—	—	—	—	1250	10.31	10.92	—	—	—	—	—	—
4	1.40	1	10	10.2	14.4	X	—	—	—	—	1250	13.21	14.06	—	—	—	—	—	—
5	1.41	1	1	2.7	3.9	X	—	2482	2.93	3.82	1241	1.91	2.62	9.4	0.82	14.5	0.88	19.5	0.94
														A24		A28		A32	
6	1.41	1	1	2.9	4.2	X	—	2482	3.36	4.35	1241	2.22	2.94	7.0	0.79	9.1	0.82	11.1	0.84
7	1.41	1	3	3.2	4.6	X	—	2482	4.21	5.12	1241	2.77	3.42	6.5	0.78	8.5	0.81	10.5	0.84
8	1.41	1	3	3.4	4.9	X	—	2482	4.81	5.74	1241	3.13	3.74	6.1	0.78	8.1	0.81	10.1	0.84
9	1.41	1	1	3.9	5.6	X	—	2482	6.23	7.23	1241	4.02	4.51	—	—	7.1	0.80	9.2	0.83
10	1.41	1	1	4.1	5.9	X	—	2482	6.77	7.81	1241	4.37	4.81	—	—	6.7	0.80	8.8	0.83
														A24		A30		A36	
11	1.41	1	6	4.6	6.6	X	—	2482	8.05	9.19	1241	5.23	5.66	—	—	—	—	9.8	0.85
12	1.41	1	3	4.9	7.0	X	—	2482	8.77	9.97	1241	5.73	6.17	—	—	—	—	9.2	0.85
13	1.41	1	1	5.4	7.7	X	—	2482	9.87	11.21	1241	6.55	7.01	—	—	—	—	8.3	0.84
14	1.41	1	10	6.6	9.4	X	—	2482	11.99	13.76	1241	8.43	8.95	—	—	—	—	—	—
15	1.41	1	1	6.8	9.7	X	—	2482	12.26	14.13	1241	8.73	9.26	—	—	—	—	—	—
														A30		A41		A52	
16	1.41	1	1	8.2	11.7	X	—	—	—	—	1241	10.72	11.35	—	—	—	—	—	—
17	1.41	1	1	10.7	15.2	X	—	—	—	—	1241	13.77	14.68	—	—	—	—	—	—
18	1.42	1	1	2.4	3.5	X	—	2464	2.27	3.00	1232	1.52	2.12	11.0	0.84	16.5	0.89	22.0	0.95
19	1.42	1	1	2.6	3.8	X	—	2464	2.72	3.55	1232	1.78	2.45	10.6	0.83	16.1	0.89	21.6	0.95
20	1.42	1	2	3.3	4.8	X	X	2464	4.51	5.43	1232	2.95	3.58	9.3	0.83	14.8	0.89	20.3	0.95
														A24		A28		A32	
21	1.42	1	3	3.6	5.2	X	X	2464	5.39	6.35	1232	3.49	4.05	—	—	7.7	0.81	9.7	0.84
22	1.42	1	3	4.0	5.8	X	—	2464	6.50	7.52	1232	4.20	4.66	—	—	6.9	0.80	8.9	0.83
23	1.42	1	1	4.3	6.2	X	—	2464	7.30	8.37	1232	4.72	5.14	—	—	—	—	8.4	0.83
24	1.42	1	3	4.7	6.8	X	—	2464	8.30	9.45	1232	5.40	5.83	—	—	—	—	7.5	0.82
25	1.42	1	3	4.8	6.9	X	—	2464	8.53	9.72	1232	5.56	6.00	—	—	—	—	7.4	0.82
														A24		A30		A36	
26	1.42	1	6	5.0	7.2	X	X	2464	9.00	10.23	1232	5.90	6.34	—	—	—	—	9.0	0.85
27	1.42	1	6	5.4	7.8	X	—	2464	9.87	11.21	1232	6.55	7.01	—	—	—	—	8.2	0.84
28	1.42	1	3	5.7	8.2	X	X	2464	10.47	11.90	1232	7.03	7.50	—	—	—	—	—	—
29	1.42	1	3	6.4	9.2	X	—	2464	11.69	13.38	1232	8.13	8.63	—	—	—	—	—	—
30	1.42	1	10	6.8	9.8	X	—	2464	12.26	14.13	1232	8.73	9.26	—	—	—	—	—	—
														A28		A36		A44	
31	1.42	1	3	7.8	11.2	X	—	—	—	—	1232	10.17	10.77	—	—	—	—	—	—
32	1.42	1	10	8.2	11.8	X	—	—	—	—	1232	10.72	11.35	—	—	—	—	—	—
33	1.42	1	3	9.2	13.2	X	—	—	—	—	1232	12.02	12.75	—	—	—	—	—	—
34	1.43	1	1	2.8	4.1	X	X	2447	3.16	4.09	1223	2.04	2.78	9.2	0.82	13.2	0.87	17.2	0.90
35	1.43	1	3	3.0	4.4	X	X	2447	3.60	4.61	1223	2.41	3.10	8.8	0.82	12.8	0.87	16.8	0.90
														A24		A28		A32	
36	1.43	1	2	3.7	5.4	X	—	2447	5.67	6.64	1223	3.67	4.20	—	—	7.5	0.81	9.5	0.83
37	1.43	1	1	3.9	5.7	X	—	2447	6.23	7.23	1223	4.02	4.51	—	—	7.1	0.80	9.1	0.83
38	1.43	1	6	4.4	6.4	X	X	2447	7.55	8.65	1223	4.89	5.31	—	—	—	—	8.1	0.83
39	1.43	1	3	4.6	6.7	X	—	2447	8.05	9.19	1223	5.23	5.66	—	—	—	—	7.7	0.82
40	1.43	1	1	6.0	8.7	X	X	2447	11.02	12.56	1223	7.51	7.99	—	—	—	—	—	—
														A26		A32		A38	
41	1.43	1	1	6.7	9.7	X	X	2447	12.13	13.95	1223	8.58	9.10	—	—	—	—	—	—
42	1.43	1	1	7.4	10.7	X	—	—	—	—	1223	9.61	10.18	—	—	—	—	—	—
43	1.44	1	1	2.7	4.0	X	—	2430	2.94	3.97	1215	1.92	2.69	8.4	0.80	11.4	0.84	14.4	0.88
44	1.44	1	3	3.2	4.7	X	—	2430	4.21	5.26	1215	2.77	3.50	7.4	0.80	10.4	0.84	13.4	0.87
45	1.44	1	3	3.4	5.0	X	—	2430	4.81	5.76	1215	3.13	3.81	7.0	0.79	10.0	0.84	13.0	0.87
														A24		A28		A32	
46	1.44	1	1	4.1	6.0	X	—	2430	6.77	7.81	1215	4.37	4.88	—	—	6.7	0.80	8.7	0.83
47	1.44	1	3	4.7	6.9	X	—	2430	8.30	9.45	1215	5.40	5.83	—	—	—	—	7.5	0.82
48	1.44	1	6	4.8	7.0	X	—	2430	8.53	9.72	1215	5.56	6.00	—	—	—	—	—	—
49	1.44	1	6	5.2	7.6	X	X	2430	9.44	10.73	1215	6.23	6.68	—	—	—	—	—	—
50	1.44	1	1	5.4	7.9	X	—	2430	9.87	11.21	1215	6.55	7.01	—	—	—	—	—	—
														A28		A38		A48	
51	1.44	1	6	5.6	8.2	X	X	2430	10.27	11.67	1215	6.87	7.34	—	—	8.7	0.85	13.8	0.92
52	1.44	1	3	6.7	9.8	X	X	2430	12.13	13.95	1215	8.58	9.10	—	—	—	—	11.6	0.90
53	1.44	1	10	7.0	10.2	X	X	—	—	—	1215	9.03	9.57	—	—	—	—	11.0	0.90
54	1.44	1	1	7.7	11.2	X	—	—	—	—	1215	10.03	10.62	—	—	—	—	—	—
55	1.44	1	3	9.8	14.2	X	—	—	—	—	1215	12.75	13.55	—	—	—	—	—	—
														A24		A28		A32	
56	1.45	1	1	2.9	4.3	X	—	2413	3.38	4.50	1206	2.22	3.02	7.0	0.78	9.0	0.82	11.0	0.84
57	1.45	1	2	3.1	4.6	X	—	2413	3.91	5.01	1206	2.59	3.34	6.6	0.78	8.6	0.81	10.6	0.84
58	1.45	1	2	3.3	4.9	X	X	2413	4.51	5.51	1206	2.95	3.66	6.2	0.78	8.2	0.81	10.2	0.84
59	1.45	1	2	3.5	5.2	X	—	2413	5.10	6.04	1206	3.31	3.97	—	—	7.8	0.81	9.8	0.84
60	1.45	1	3	3.8	5.6	X	X	2413	5.96	6.94	1206	3.85	4.43	—	—	7.2	0.80	9.2	0.83
														A24		A28		A32	
61	1.45	1	3	4.0	5.9	X	—	2413	6.50	7.52	1206	4.20	4.73	—	—	6.8	0.80	8.8	0.83
62	1.45	1	6	4.2	6.2	X	—	2413	7.04	8.09	1206	4.54	5.03	—	—	—	—	8.4	0.83
63	1.45	1	6	4.6	6.8	X	—	2413	8.05	9.19	1206	5.23	5.66	—	—	—	—	7.6	0.82
64	1.45	1	3	4.9	7.2	X	—	2413	8.77	9.97	1206	5.73	6.17	—	—	—	—	—	—
65	1.45	1	1	5.9	8.7	X	—	2413	10.84	12.34	1206	7.35	7.83	—	—	—	—	—	—
														A28		A38		A48	
66	1.45	1	6	6.0	8.8	X	X	2413	11.02	12.56	1206	7.51	7.99	—	—	—	—	13.0	0.91
67	1.45	1	10	6.4	9.4	X	—	2413	11.69	13.38	1206	8.13	8.63	—	—	—	—	12.2	0.91
68	1.45	1	1	6.6	9.7	X	—	2413	11.99	13.76	1206	8.43	8.95	—	—	—	—	11.8	0.91
69	1.45	1	1	9.7	14.2	X	—	—	—	—	1206	12.63	13.42	—	—	—	—	—	—
70	1.46	1	1	2.4	3.6	X	—	2397	2.28	3.14	1198	1.53	2.19	9.9	0.82	14.9	0.88	19.9	0.94
														A24		A28		A32	
71	1.46	1	1	2.6	3.9	X	—	2397	2.73	3.70	1198	1.79	2.52	7.5	0.79	9.5	0.82	11.5	0.84
72	1.46	1	1	2.8	4.2	X	X	2397	3.17	4.23	1198	2.05	2.85	7.1	0.78	9.1	0.82	11.1	0.84
73	1.46	1	1	3.9	5.8	X	—	2397	6.23	7.23	1198	4.02	4.58	—	—	7.0	0.80	9.0	0.83
74	1.46	1	1	4.3	6.4	X	—	2397	7.30	8.37	1198	4.72	5.18	—	—	—	—	8.2	0.82
75	1.46	1	3	4.7	7.0	X	—	2397	8.30	9.45	1198	5.40	5.83	—	—	—	—	7.4	0.82

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts

Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
A58		**A68**		**A78**		**A88**		**A100**		**A112**		**A120**		**A128**		**A136**		
16.5	0.95	21.5	0.99	26.5	1.01	31.5	1.04	37.5	1.08	43.5	1.10	47.5	1.11	51.5	1.13	55.5	1.14	1
15.9	0.95	20.9	0.98	25.9	1.01	31.0	1.04	37.0	1.08	43.0	1.10	47.0	1.11	51.0	1.12	55.0	1.14	2
14.6	0.94	19.6	0.98	24.6	1.01	29.6	1.03	35.6	1.08	41.6	1.10	45.6	1.11	49.6	1.12	53.6	1.14	3
—	—	15.2	0.96	20.2	1.00	25.3	1.02	31.3	1.07	37.3	1.09	41.3	1.11	45.3	1.12	49.3	1.13	4
24.5	0.97	29.5	1.00	34.5	1.03	39.5	1.05	45.5	1.09	51.5	1.11	55.5	1.12	59.5	1.13	63.5	1.14	5
A36		**A40**		**A45**		**A50**		**A55**		**A60**		**A65**		**A70**		**A75**		
13.1	0.87	15.1	0.89	17.6	0.92	20.1	0.94	22.6	0.96	25.1	0.98	27.6	0.99	30.1	1.01	32.6	1.02	6
12.5	0.86	14.5	0.89	17.0	0.92	19.5	0.94	22.0	0.96	24.5	0.98	27.0	0.99	29.5	1.01	32.0	1.02	7
12.1	0.86	14.1	0.88	16.6	0.92	19.1	0.94	21.6	0.96	24.1	0.98	26.6	0.99	29.1	1.00	31.6	1.02	8
11.2	0.86	13.2	0.88	15.7	0.92	18.2	0.94	20.7	0.96	23.2	0.97	25.7	0.99	28.2	1.00	30.7	1.02	9
10.8	0.86	12.8	0.88	15.3	0.92	17.8	0.94	20.3	0.96	22.8	0.97	25.3	0.99	27.8	1.00	30.3	1.02	10
A42		**A48**		**A54**		**A60**		**A66**		**A72**		**A78**		**A84**		**A90**		
12.8	0.88	15.8	0.93	18.8	0.95	21.8	0.97	24.8	0.99	27.8	1.01	30.8	1.02	33.8	1.04	36.8	1.05	11
12.3	0.88	15.3	0.93	18.3	0.95	21.3	0.97	24.3	0.99	27.3	1.01	30.3	1.02	33.3	1.03	36.3	1.05	12
11.3	0.88	14.3	0.92	17.3	0.95	20.3	0.97	23.3	0.99	26.3	1.00	29.3	1.02	32.3	1.03	35.3	1.05	13
—	—	12.0	0.91	15.0	0.94	18.0	0.96	21.0	0.98	24.0	1.00	27.1	1.01	30.1	1.03	33.1	1.04	14
—	—	11.6	0.91	14.6	0.94	17.6	0.96	20.6	0.98	23.7	1.00	26.7	1.01	29.7	1.03	32.7	1.04	15
A63		**A74**		**A85**		**A96**		**A105**		**A120**		**A128**		**A136**		**A144**		
16.4	0.96	22.0	1.00	27.5	1.03	33.0	1.05	37.5	1.08	45.0	1.11	49.0	1.12	53.0	1.13	57.0	1.15	16
—	—	17.2	0.98	22.7	1.01	28.2	1.04	32.7	1.08	40.3	1.10	44.3	1.12	48.3	1.13	52.3	1.14	17
27.5	0.99	33.0	1.02	38.5	1.04	44.0	1.07	48.5	1.10	56.0	1.12	60.0	1.13	64.0	1.14	68.0	1.15	18
27.1	0.99	32.6	1.02	38.1	1.04	43.6	1.06	48.1	1.10	55.6	1.12	59.6	1.13	63.6	1.14	67.6	1.15	19
25.8	0.99	31.3	1.02	36.8	1.04	42.3	1.06	46.8	1.09	54.3	1.12	58.3	1.13	62.3	1.14	66.3	1.15	20
A36		**A40**		**A45**		**A50**		**A55**		**A60**		**A65**		**A70**		**A75**		
11.7	0.86	13.7	0.88	16.2	0.92	18.7	0.94	21.2	0.96	23.7	0.97	26.2	0.99	28.7	1.00	31.2	1.02	21
10.9	0.86	12.9	0.88	15.4	0.92	17.9	0.94	20.4	0.96	22.9	0.97	25.4	0.99	27.9	1.00	30.4	1.02	22
10.4	0.85	12.4	0.88	14.9	0.92	17.4	0.94	19.9	0.96	22.4	0.97	24.9	0.99	27.4	1.00	29.9	1.01	23
9.6	0.85	11.6	0.87	14.1	0.91	16.6	0.93	19.1	0.95	21.6	0.97	24.1	0.99	26.6	1.00	29.1	1.01	24
9.4	0.85	11.4	0.87	13.9	0.91	16.4	0.93	18.9	0.95	21.4	0.97	23.9	0.99	26.4	1.00	28.9	1.01	25
A42		**A48**		**A54**		**A60**		**A66**		**A72**		**A78**		**A84**		**A90**		
12.0	0.88	15.0	0.92	18.0	0.95	21.0	0.97	24.0	0.99	27.1	1.00	30.1	1.02	33.1	1.03	36.1	1.05	26
11.2	0.88	14.2	0.92	17.2	0.95	20.3	0.97	23.3	0.99	26.3	1.00	29.3	1.02	32.3	1.03	35.3	1.05	27
10.7	0.87	13.7	0.92	16.7	0.94	19.7	0.97	22.7	0.98	25.7	1.00	28.7	1.02	31.7	1.03	34.7	1.05	28
—	—	12.3	0.91	15.3	0.94	18.4	0.96	21.4	0.98	24.4	1.00	27.4	1.02	30.4	1.03	33.4	1.04	29
—	—	11.5	0.91	14.5	0.93	17.6	0.96	20.6	0.98	23.6	1.00	26.6	1.01	29.6	1.03	32.6	1.04	30
A52		**A60**		**A68**		**A76**		**A84**		**A92**		**A100**		**A110**		**A120**		
11.6	0.91	15.6	0.95	19.7	0.98	23.7	1.00	27.7	1.02	31.7	1.04	35.7	1.07	40.7	1.09	45.7	1.11	31
—	—	14.8	0.95	18.9	0.98	22.9	1.00	26.9	1.02	30.9	1.04	34.9	1.07	39.9	1.09	44.9	1.11	32
—	—	12.9	0.94	16.9	0.97	21.0	1.00	25.0	1.02	29.0	1.04	33.0	1.07	38.0	1.09	43.0	1.11	33
21.2	0.95	25.2	0.98	29.2	1.00	33.2	1.02	37.2	1.04	41.2	1.06	45.2	1.09	50.2	1.10	55.2	1.12	34
20.8	0.95	24.8	0.98	28.8	1.00	32.8	1.02	36.8	1.04	40.8	1.06	44.8	1.09	49.8	1.10	54.8	1.12	35
A36		**A40**		**A45**		**A50**		**A55**		**A60**		**A65**		**A70**		**A75**		
11.5	0.86	13.5	0.88	16.0	0.92	18.5	0.94	21.0	0.96	23.5	0.97	26.0	0.99	28.5	1.00	31.0	1.02	36
11.1	0.86	13.1	0.88	15.6	0.92	18.1	0.94	20.6	0.96	23.1	0.97	25.6	0.99	28.1	1.00	30.6	1.02	37
10.1	0.85	12.1	0.87	14.6	0.91	17.1	0.94	19.6	0.95	22.1	0.97	24.7	0.99	27.2	1.00	29.7	1.01	38
9.7	0.85	11.7	0.87	14.2	0.91	16.7	0.93	19.3	0.95	21.8	0.97	24.3	0.99	26.8	1.00	29.3	1.01	39
—	—	9.0	0.85	11.5	0.90	14.0	0.92	16.6	0.94	19.1	0.96	21.6	0.98	24.1	0.99	26.6	1.01	40
A44		**A50**		**A56**		**A62**		**A68**		**A74**		**A81**		**A88**		**A95**		
—	—	12.7	0.92	15.7	0.94	18.7	0.97	21.7	0.99	24.7	1.00	28.2	1.02	31.7	1.04	35.2	1.05	41
—	—	11.3	0.91	14.3	0.94	17.4	0.96	20.4	0.98	23.4	1.00	26.9	1.02	30.4	1.04	33.9	1.05	42
17.4	0.90	20.4	0.94	23.4	0.96	26.4	0.98	29.4	1.00	32.4	1.02	35.9	1.03	39.4	1.05	42.9	1.06	43
16.4	0.90	19.4	0.94	22.4	0.96	25.4	0.98	28.4	1.00	31.4	1.02	34.9	1.03	38.4	1.05	41.9	1.06	44
16.0	0.90	19.0	0.94	22.0	0.96	25.0	0.98	28.0	1.00	31.0	1.01	34.5	1.03	38.0	1.05	41.5	1.06	45
A36		**A40**		**A45**		**A50**		**A55**		**A60**		**A65**		**A70**		**A75**		
10.7	0.86	12.7	0.88	15.2	0.92	17.7	0.94	20.2	0.96	22.7	0.97	25.2	0.99	27.7	1.00	30.2	1.01	46
9.5	0.85	11.5	0.87	14.0	0.91	16.5	0.93	19.0	0.95	21.5	0.97	24.0	0.98	26.5	1.00	29.0	1.01	47
9.3	0.85	11.3	0.87	13.8	0.91	16.3	0.93	18.9	0.95	21.4	0.97	23.9	0.98	26.4	1.00	28.9	1.01	48
8.5	0.84	10.5	0.87	13.0	0.91	15.6	0.93	18.1	0.95	20.6	0.97	23.1	0.98	25.6	1.00	28.1	1.01	49
—	—	10.1	0.86	12.6	0.90	15.2	0.93	17.7	0.95	20.2	0.97	22.7	0.98	25.2	1.00	27.7	1.01	50
A58		**A68**		**A78**		**A88**		**A100**		**A112**		**A120**		**A128**		**A136**		
18.8	0.96	23.8	0.99	28.8	1.02	33.8	1.04	39.8	1.08	45.8	1.10	49.8	1.11	53.8	1.13	57.8	1.14	51
16.6	0.95	21.6	0.98	26.7	1.01	31.7	1.04	37.7	1.08	43.7	1.10	47.7	1.11	51.7	1.12	55.7	1.14	52
16.1	0.95	21.1	0.98	26.1	1.01	31.1	1.04	37.1	1.08	43.1	1.10	47.1	1.11	51.1	1.12	55.1	1.14	53
14.7	0.94	19.7	0.98	24.8	1.01	29.8	1.03	35.8	1.07	41.8	1.10	45.8	1.11	49.8	1.12	53.8	1.13	54
—	—	15.7	0.96	20.7	1.00	25.7	1.02	31.7	1.07	37.7	1.09	41.8	1.10	45.8	1.12	49.8	1.13	55
A36		**A40**		**A45**		**A50**		**A55**		**A60**		**A65**		**A70**		**A75**		
13.0	0.87	15.0	0.89	17.5	0.92	20.0	0.94	22.5	0.96	25.0	0.98	27.5	0.99	30.0	1.01	32.5	1.02	56
12.6	0.86	14.6	0.88	17.1	0.92	19.6	0.94	22.1	0.96	24.6	0.98	27.1	0.99	29.6	1.00	32.1	1.02	57
12.2	0.86	14.2	0.88	16.7	0.92	19.2	0.94	21.7	0.96	24.2	0.98	26.7	0.99	29.2	1.00	31.7	1.02	58
11.8	0.86	13.8	0.88	16.3	0.92	18.8	0.94	21.3	0.96	23.8	0.97	26.3	0.99	28.8	1.00	31.3	1.02	59
11.2	0.86	13.2	0.88	15.7	0.92	18.2	0.94	20.8	0.96	23.3	0.97	25.8	0.99	28.3	1.00	30.8	1.02	60
A36		**A40**		**A45**		**A50**		**A55**		**A60**		**A65**		**A70**		**A75**		
10.8	0.86	12.8	0.88	15.3	0.92	17.9	0.94	20.4	0.96	22.9	0.97	25.4	0.99	27.9	1.00	30.4	1.01	61
10.4	0.85	12.4	0.88	15.0	0.91	17.5	0.94	20.0	0.95	22.5	0.97	25.0	0.99	27.5	1.00	30.0	1.01	62
9.6	0.85	11.6	0.87	14.2	0.91	16.7	0.93	19.2	0.95	21.7	0.97	24.2	0.99	26.7	1.00	29.2	1.01	63
9.1	0.84	11.1	0.87	13.6	0.91	16.1	0.93	18.6	0.95	21.1	0.97	23.6	0.98	26.1	1.00	28.6	1.01	64
—	—	9.1	0.85	11.6	0.90	14.1	0.92	16.6	0.94	19.1	0.96	21.6	0.98	24.1	0.99	26.7	1.01	65
A58		**A68**		**A78**		**A88**		**A100**		**A112**		**A120**		**A128**		**A136**		
18.0	0.95	23.0	0.99	28.0	1.02	33.0	1.04	39.0	1.08	45.0	1.10	49.0	1.11	53.0	1.13	57.0	1.14	66
17.2	0.95	22.0	0.99	27.2	1.01	32.2	1.04	38.2	1.08	44.2	1.10	48.2	1.11	52.2	1.13	56.2	1.14	67
16.8	0.95	21.8	0.98	26.8	1.01	31.8	1.04	37.8	1.08	43.8	1.10	47.8	1.11	51.8	1.12	55.8	1.14	68
—	—	15.7	0.96	20.8	1.00	25.8	1.02	31.8	1.07	37.8	1.09	41.8	1.10	45.8	1.12	49.8	1.13	69
24.9	0.97	29.9	1.00	34.9	1.03	39.9	1.05	45.9	1.09	51.9	1.11	55.9	1.12	59.9	1.13	63.9	1.14	70
A36		**A40**		**A45**		**A50**		**A55**		**A60**		**A65**		**A70**		**A75**		
13.5	0.87	15.5	0.89	18.0	0.92	20.5	0.94	23.0	0.96	25.5	0.98	28.0	0.99	30.5	1.01	33.0	1.02	71
13.1	0.87	15.1	0.89	17.6	0.92	20.1	0.94	22.6	0.96	25.1	0.98	27.6	0.99	30.1	1.01	32.6	1.02	72
11.0	0.86	13.0	0.88	15.5	0.92	18.0	0.94	20.5	0.96	23.0	0.97	25.5	0.99	28.0	1.00	30.5	1.01	73
10.2	0.85	12.2	0.87	14.7	0.91	17.2	0.93	19.7	0.95	22.2	0.97	24.7	0.99	27.2	1.00	29.7	1.01	74
9.4	0.85	11.4	0.87	13.9	0.91	16.4	0.93	18.9	0.95	21.4	0.97	23.9	0.98	26.4	1.00	28.9	1.01	75

B

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Datum Diameter Driver	Datum Diameter Driven	Type Fix.	Type Var.	Nominal Driven Speeds and Horsepower Belt — 3500 RPM Driver: Nominal Driven Speed	HP per Belt Super	HP per Belt Gripnotch	1750 RPM Driver: Nominal Driven Speed	HP per Belt Super	HP per Belt Gripnotch	Center Distance in Inches and "F" Factor for Browning Belts — Belt No.	C.D.	F	Belt No.	C.D.	F	Belt No.	C.D.	F
															A26			A33			A40	
1	1.46	1	6	5.0	7.4	X	X	2397	9.00	10.23	1198	5.90	6.34		—	—		—	—		10.8	0.87
2	1.46	1	1	5.2	7.7	X	X	2397	9.44	10.73	1198	6.23	6.68		—	—		—	—		10.4	0.86
3	1.46	1	3	6.2	9.2	X	X	2397	11.36	12.98	1198	7.82	8.31		—	—		—	—		—	—
4	1.46	1	3	6.9	10.2	X	—	—	—	—	1198	8.88	9.41		—	—		—	—		—	—
5	1.46	1	3	7.6	11.2	X	—	—	—	—	1198	9.89	10.48		—	—		—	—		—	—
															A28			A38			A48	
6	1.46	1	1	7.9	11.7	X	—	—	—	—	1198	10.31	10.92		—	—		—	—		—	—
7	1.46	1	10	9.8	14.4	X	—	—	—	—	1198	12.75	13.55		—	—		—	—		—	—
8	1.47	1	3	3.2	4.8	X	—	2380	4.21	5.26	1190	2.77	3.50		8.3	0.81		13.3	0.87		18.4	0.93
9	1.47	1	3	3.6	5.4	X	X	2380	5.39	6.35	1190	3.49	4.12		7.5	0.80		12.6	0.87		17.6	0.93
10	1.47	1	3	3.8	5.7	X	X	2380	5.96	6.94	1190	3.85	4.43		7.1	0.80		12.2	0.87		17.2	0.93
															A24			A30			A36	
11	1.47	1	3	4.0	6.0	X	—	2380	6.50	7.52	1190	4.20	4.73		—	—		7.7	0.81		10.8	0.85
12	1.47	1	6	4.4	6.6	X	X	2380	7.55	8.65	1190	4.89	5.32		—	—		—	—		10.0	0.85
13	1.47	1	3	4.6	6.9	X	—	2380	8.05	9.19	1190	5.23	5.66		—	—		—	—		9.6	0.85
14	1.47	1	3	5.9	8.8	X	—	2380	10.84	12.34	1190	7.35	7.83		—	—		—	—		—	—
15	1.47	1	10	6.6	9.8	X	—	2380	11.99	13.76	1190	8.43	8.95		—	—		—	—		—	—
															A28			A38			A48	
16	1.47	1	1	7.2	10.7	X	—	—	—	—	1190	9.32	9.87		—	—		—	—		10.5	0.89
17	1.47	1	3	8.2	12.2	X	—	—	—	—	1190	10.72	11.35		—	—		—	—		—	—
18	1.47	1	1	9.7	14.4	X	—	—	—	—	1190	12.63	13.42		—	—		—	—		—	—
19	1.48	1	1	2.7	4.1	X	—	2364	2.96	3.97	1182	1.92	2.69		9.3	0.82		14.3	0.88		19.3	0.94
20	1.48	1	1	2.9	4.4	X	—	2364	3.39	4.50	1182	2.22	3.02		8.9	0.81		13.9	0.87		18.9	0.93
															A24			A28			A32	
21	1.48	1	2	3.1	4.7	X	—	2364	3.91	5.01	1182	2.59	3.34		6.5	0.78		8.5	0.81		10.5	0.84
22	1.48	1	2	3.3	5.0	X	X	2364	4.51	5.51	1182	2.95	3.66		6.1	0.77		8.1	0.81		10.1	0.84
23	1.48	1	2	3.7	5.6	X	—	2364	5.67	6.64	1182	3.67	4.28		—	—		7.3	0.80		9.3	0.83
24	1.48	1	1	3.9	5.9	X	—	2364	6.23	7.23	1182	4.02	4.58		—	—		6.9	0.80		8.9	0.83
25	1.48	1	1	4.1	6.2	X	—	2364	6.77	7.81	1182	4.37	4.88		—	—		—	—		8.5	0.83
															A26			A34			A42	
26	1.48	1	6	4.8	7.2	X	—	2364	8.53	9.72	1182	5.56	6.00		—	—		8.1	0.83		12.2	0.88
27	1.48	1	6	5.2	7.8	X	X	2364	9.44	10.73	1182	6.23	6.68		—	—		—	—		11.4	0.87
28	1.48	1	1	5.8	8.7	X	—	2364	10.66	12.13	1182	7.19	7.67		—	—		—	—		10.2	0.87
29	1.48	1	10	6.8	10.2	X	—	2364	12.26	14.13	1182	8.73	9.26		—	—		—	—		—	—
30	1.48	1	1	7.8	11.7	X	—	—	—	—	1182	10.17	10.77		—	—		—	—		—	—
															A28			A38			A48	
31	1.48	1	1	7.9	11.8	X	—	—	—	—	1182	10.31	10.92		—	—		—	—		—	—
32	1.48	1	10	8.8	13.2	X	—	—	—	—	1182	11.52	12.20		—	—		—	—		—	—
33	1.48	1	2	10.2	15.2	X	—	—	—	—	1182	13.21	14.06		—	—		—	—		—	—
34	1.49	1	3	4.9	7.4	X	—	2348	8.77	9.97	1174	5.73	6.17		—	—		9.9	0.85		14.9	0.92
35	1.50	1	1	2.4	3.7	X	—	2333	2.30	3.14	1166	1.53	2.19		9.8	0.82		14.8	0.88		19.9	0.94
															A24			A28			A32	
36	1.50	1	1	2.6	4.0	X	—	2333	2.74	3.70	1166	1.79	2.52		7.4	0.79		9.4	0.82		11.4	0.84
37	1.50	1	1	2.8	4.3	X	X	2333	3.18	4.23	1166	2.07	2.85		7.0	0.78		9.0	0.81		11.1	0.84
38	1.50	1	3	3.0	4.6	X	X	2333	3.65	4.76	1166	2.43	3.18		6.6	0.78		8.6	0.81		10.7	0.84
39	1.50	1	3	3.2	4.9	X	—	2333	4.21	5.26	1166	2.77	3.50		6.2	0.77		8.2	0.81		10.3	0.84
40	1.50	1	3	3.4	5.2	X	—	2333	4.86	5.76	1166	3.16	3.81		5.8	0.77		7.8	0.81		9.9	0.83
															A24			A28			A32	
41	1.50	1	3	3.8	5.8	X	X	2333	5.96	6.94	1166	3.85	4.43		—	—		7.0	0.80		9.1	0.83
42	1.50	1	6	4.2	6.4	X	—	2333	7.09	8.09	1166	4.57	5.03		—	—		—	—		8.3	0.82
43	1.50	1	3	4.4	6.7	X	X	2333	7.55	8.65	1166	4.89	5.32		—	—		—	—		7.9	0.82
44	1.50	1	6	4.6	7.0	X	—	2333	8.05	9.19	1166	5.23	5.66		—	—		—	—		7.4	0.81
45	1.50	1	6	5.0	7.6	X	X	2333	9.05	10.23	1166	5.92	6.34		—	—		—	—		—	—
															A24			A29			A34	
46	1.50	1	1	5.2	7.9	X	X	2333	9.49	10.73	1166	6.25	6.68		—	—		—	—		—	—
47	1.50	1	6	5.4	8.2	X	—	2333	9.87	11.21	1166	6.55	7.01		—	—		—	—		—	—
48	1.50	1	1	5.7	8.7	X	X	2333	10.52	11.90	1166	7.06	7.50		—	—		—	—		—	—
49	1.50	1	6	5.8	8.8	X	—	2333	10.71	12.13	1166	7.22	7.67		—	—		—	—		—	—
50	1.50	1	10	6.2	9.4	X	X	2333	11.42	12.98	1166	7.84	8.31		—	—		—	—		—	—
															A26			A34			A42	
51	1.50	1	1	6.4	9.7	X	—	2333	11.69	13.38	1166	8.13	8.63		—	—		—	—		—	—
52	1.50	1	3	6.7	10.2	X	X	2333	12.18	13.95	1166	8.61	9.10		—	—		—	—		—	—
53	1.50	1	3	7.4	11.2	X	—	—	—	—	1166	9.61	10.18		—	—		—	—		—	—
54	1.50	1	1	7.7	11.7	X	—	—	—	—	1166	10.06	10.62		—	—		—	—		—	—
55	1.50	1	10	7.8	11.8	X	—	—	—	—	1166	10.17	10.77		—	—		—	—		—	—
															A28			A37			A45	
56	1.50	1	1	8.7	13.2	X	—	—	—	—	1166	11.41	12.06		—	—		—	—		—	—
57	1.50	1	3	9.4	14.2	X	—	—	—	—	1166	12.27	13.02		—	—		—	—		—	—
58	1.51	1	1	2.7	4.2	X	—	2317	2.97	3.97	1158	1.93	2.69		9.2	0.81		13.7	0.87		17.7	0.92
59	1.51	1	2	3.1	4.8	X	—	2317	4.00	5.01	1158	2.64	3.34		8.4	0.81		12.9	0.87		16.9	0.92
60	1.51	1	2	3.5	5.4	X	—	2317	5.19	6.13	1158	3.36	3.97		7.6	0.80		12.1	0.86		16.1	0.92
															A24			A28			A32	
61	1.51	1	2	3.7	5.7	X	—	2317	5.77	6.73	1158	3.72	4.28		—	—		7.2	0.80		9.2	0.83
62	1.51	1	1	3.9	6.0	X	—	2317	6.33	7.32	1158	4.07	4.58		—	—		6.8	0.79		8.8	0.83
63	1.51	1	1	4.3	6.6	X	—	2317	7.39	8.46	1158	4.76	5.18		—	—		—	—		8.0	0.82
64	1.51	1	3	4.7	7.2	X	—	2317	8.39	9.54	1158	5.44	5.87		—	—		—	—		—	—
65	1.51	1	1	5.0	7.7	X	X	2317	9.09	10.31	1158	5.94	6.38		—	—		—	—		—	—
															A26			A34			A42	
66	1.51	1	3	6.0	9.2	X	X	2317	11.11	12.65	1158	7.55	8.03		—	—		—	—		9.6	0.86
67	1.51	1	10	6.4	9.8	X	—	2317	11.78	13.46	1158	8.17	8.67		—	—		—	—		—	—
68	1.51	1	1	7.0	10.7	X	X	—	—	—	1158	9.07	9.61		—	—		—	—		—	—
69	1.51	1	1	7.7	11.8	X	—	—	—	—	1158	10.08	10.67		—	—		—	—		—	—
70	1.52	1	3	3.2	5.0	X	—	2302	4.31	5.26	1151	2.82	3.50		7.2	0.79		11.2	0.85		15.2	0.89
															A24			A28			A32	
71	1.52	1	3	3.6	5.6	X	X	2302	5.48	6.43	1151	3.54	4.12		—	—		7.4	0.80		9.4	0.83
72	1.52	1	3	3.8	5.9	X	X	2302	6.05	7.03	1151	3.89	4.43		—	—		7.0	0.80		9.0	0.83
73	1.52	1	3	4.0	6.2	X	—	2302	6.60	7.61	1151	4.24	4.73		—	—		—	—		8.6	0.82
74	1.52	1	6	4.4	6.8	X	X	2302	7.65	8.73	1151	4.93	5.36		—	—		—	—		7.8	0.82
75	1.52	1	6	4.8	7.4	X	—	2302	8.63	9.80	1151	5.61	6.04		—	—		—	—		—	—

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts																		Line No.
Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
A46		A52		A58		A65		A72		A79		A66		A93		A100		
13.9	0.91	16.9	0.94	19.9	0.96	23.4	0.98	26.9	1.00	30.4	1.02	33.9	1.04	37.4	1.05	40.9	1.08	1
13.5	0.91	16.5	0.94	19.5	0.96	23.0	0.98	26.5	1.00	30.0	1.02	33.5	1.04	37.0	1.05	40.5	1.08	2
11.5	0.90	14.5	0.93	17.5	0.95	21.0	0.98	24.5	1.00	28.0	1.02	31.5	1.03	35.0	1.05	38.5	1.08	3
10.1	0.89	13.1	0.92	16.1	0.95	19.7	0.97	23.2	0.99	26.7	1.01	30.2	1.03	33.7	1.05	37.2	1.08	4
—	—	11.8	0.91	14.8	0.94	18.3	0.97	21.8	0.99	25.3	1.01	28.8	1.03	32.3	1.04	35.8	1.07	5
A58		A68		A78		A88		A100		A112		A120		A128		A136		
14.1	0.94	19.2	0.98	24.2	1.01	29.2	1.03	35.2	1.07	41.2	1.10	45.2	1.11	49.2	1.12	53.2	1.13	6
—	—	15.5	0.96	20.5	0.99	25.5	1.02	31.6	1.07	37.6	1.09	41.6	1.10	45.6	1.12	49.6	1.13	7
23.4	0.97	28.4	1.00	33.4	1.02	38.4	1.05	44.4	1.09	50.4	1.11	54.4	1.12	58.4	1.13	62.4	1.14	6
22.6	0.97	27.6	1.00	32.6	1.02	37.6	1.05	43.6	1.08	49.6	1.11	53.6	1.12	57.6	1.13	61.6	1.14	9
22.2	0.97	27.2	1.00	32.2	1.02	37.2	1.05	43.2	1.08	49.2	1.11	53.2	1.12	57.2	1.13	61.2	1.14	10
A42		A48		A54		A60		A66		A72		A78		A84		A90		
13.8	0.89	16.8	0.93	19.8	0.95	22.8	0.97	25.8	0.99	28.8	1.01	31.8	1.02	34.8	1.04	37.8	1.05	11
13.0	0.88	16.0	0.92	19.0	0.95	22.0	0.97	24.0	0.99	28.0	1.01	31.0	1.02	34.0	1.03	37.0	1.05	12
12.6	0.88	15.6	0.92	18.6	0.95	21.6	0.97	24.6	0.99	27.6	1.00	30.6	1.02	33.6	1.03	36.6	1.05	13
10.0	0.86	13.0	0.91	16.0	0.94	19.7	0.96	22.1	0.98	25.1	1.00	28.1	1.01	31.1	1.03	34.1	1.04	14
—	—	11.7	0.90	14.7	0.93	17.7	0.96	20.7	0.98	23.7	1.00	26.7	1.01	29.7	1.03	32.7	1.04	15
A58		A68		A78		A88		A100		A112		A120		A128		A136		
15.5	0.94	20.5	0.98	25.5	1.01	30.5	1.03	36.6	1.07	42.6	1.10	46.6	1.11	50.6	1.12	54.6	1.13	16
13.5	0.93	18.5	0.97	23.6	1.00	28.6	1.03	34.6	1.07	40.6	1.09	44.6	1.11	48.6	1.12	52.6	1.13	17
—	—	15.6	0.96	20.6	0.99	25.6	1.02	31.6	1.07	37.7	1.09	41.7	1.10	45.7	1.12	49.7	1.13	18
24.3	0.97	29.3	1.00	34.3	1.03	39.3	1.05	45.3	1.09	51.3	1.11	55.3	1.12	59.3	1.13	63.3	1.14	19
23.9	0.97	28.9	1.00	33.9	1.02	38.9	1.05	44.9	1.09	50.9	1.11	54.9	1.12	58.9	1.13	62.9	1.14	20
A36		A40		A45		A50		A55		A60		A65		A70		A75		
12.5	0.86	14.5	0.88	17.0	0.92	19.5	0.94	22.0	0.96	24.5	0.98	27.0	0.99	29.5	1.00	32.0	1.02	21
12.1	0.86	14.1	0.88	16.6	0.92	19.1	0.94	21.6	0.96	24.1	0.97	26.6	0.99	29.1	1.00	31.6	1.02	22
11.3	0.86	13.3	0.88	15.8	0.92	18.3	0.94	20.8	0.96	23.3	0.97	25.8	0.99	28.3	1.00	30.8	1.02	23
10.9	0.85	12.9	0.88	15.4	0.92	17.9	0.94	20.4	0.95	22.9	0.97	25.4	0.99	27.9	1.00	30.4	1.01	24
10.5	0.85	12.5	0.87	15.0	0.91	17.5	0.93	20.0	0.95	22.5	0.97	25.0	0.99	27.5	1.00	30.0	1.01	25
A48		A55		A63		A70		A77		A84		A91		A98		A105		
15.2	0.92	18.7	0.95	22.7	0.98	26.2	1.00	29.7	1.02	33.2	1.03	36.7	1.05	40.2	1.08	43.7	1.09	26
14.4	0.92	17.9	0.95	21.9	0.98	25.4	1.00	28.9	1.01	32.4	1.03	35.9	1.05	39.4	1.08	42.9	1.09	27
13.2	0.91	16.7	0.94	20.7	0.97	24.2	0.99	27.7	1.01	31.2	1.03	34.7	1.05	38.2	1.07	41.7	1.09	28
11.2	0.90	14.7	0.93	18.7	0.96	22.2	0.99	25.7	1.01	29.3	1.03	32.8	1.04	36.3	1.07	39.8	1.09	29
—	—	12.7	0.92	16.7	0.96	20.2	0.98	23.8	1.00	27.3	1.02	30.8	1.04	34.3	1.07	37.8	1.08	30
A58		A68		A78		A88		A100		A112		A120		A128		A136		
14.1	0.93	19.1	0.97	24.1	1.00	29.1	1.03	35.1	1.07	41.1	1.09	45.1	1.11	49.1	1.12	53.1	1.13	31
—	—	17.2	0.97	22.3	1.00	27.3	1.03	33.3	1.07	39.3	1.09	43.3	1.11	47.3	1.12	51.3	1.13	32
—	—	14.5	0.95	19.6	0.99	24.6	1.02	30.6	1.06	36.6	1.09	40.6	1.10	44.6	1.11	48.6	1.13	33
20.0	0.96	25.0	0.99	30.0	1.02	35.0	1.04	41.0	1.08	47.0	1.10	51.0	1.12	55.0	1.13	59.0	1.14	34
24.9	0.97	29.9	1.00	34.9	1.03	39.9	1.05	45.9	1.09	51.9	1.11	55.9	1.12	59.9	1.13	63.9	1.14	35
A36		A40		A45		A50		A55		A60		A65		A70		A75		
13.5	0.87	15.5	0.89	18.0	0.92	20.5	0.94	23.0	0.96	25.5	0.98	28.0	0.99	30.5	1.01	33.0	1.02	36
13.1	0.86	15.1	0.88	17.6	0.92	20.1	0.94	22.6	0.96	25.1	0.98	27.6	0.99	30.1	1.00	32.6	1.02	37
12.7	0.86	17.7	0.88	17.2	0.92	19.7	0.94	22.2	0.96	24.7	0.98	27.2	0.99	29.7	1.00	32.2	1.02	38
12.3	0.86	14.3	0.88	16.8	0.92	19.3	0.94	21.8	0.96	24.3	0.97	26.8	0.99	29.3	1.00	31.8	1.02	39
11.9	0.86	13.9	0.88	16.4	0.92	18.9	0.94	21.4	0.96	23.9	0.97	26.4	0.99	28.9	1.00	31.4	1.02	40
A36		A40		A45		A50		A55		A60		A65		A70		A75		
11.1	0.85	13.1	0.88	15.6	0.92	18.1	0.94	20.6	0.95	23.1	0.97	25.6	0.99	28.1	1.00	30.6	1.01	41
10.3	0.85	12.3	0.87	14.8	0.91	17.3	0.93	19.8	0.95	22.3	0.97	24.8	0.99	27.3	1.00	29.8	1.01	42
9.9	0.85	11.9	0.87	14.4	0.91	16.9	0.93	19.4	0.95	21.9	0.97	24.4	0.98	26.9	1.00	29.4	1.01	43
9.5	0.84	11.5	0.87	14.0	0.91	16.5	0.93	19.0	0.95	21.5	0.97	24.0	0.98	26.5	1.00	29.0	1.01	44
8.7	0.84	10.7	0.86	13.2	0.90	15.7	0.93	18.2	0.95	20.7	0.97	23.2	0.98	25.7	1.00	28.2	1.01	45
A39		A44		A49		A54		A59		A64		A69		A74		A80		
9.8	0.85	12.3	0.88	14.8	0.92	17.3	0.94	19.8	0.96	22.3	0.98	24.8	0.99	27.3	1.01	30.3	1.02	46
9.4	0.85	11.9	0.88	14.4	0.92	16.9	0.94	19.4	0.96	21.9	0.98	24.4	0.99	26.9	1.01	29.9	1.02	47
8.7	0.84	11.2	0.88	13.8	0.92	16.3	0.94	18.8	0.96	21.3	0.97	23.8	0.99	26.3	1.00	29.3	1.02	48
—	—	11.1	0.88	13.6	0.92	16.1	0.94	18.6	0.96	21.1	0.97	23.6	0.99	26.1	1.00	29.2	1.02	49
—	—	10.3	0.87	12.8	0.91	15.3	0.93	17.8	0.95	20.3	0.97	22.8	0.99	25.4	1.00	28.4	1.02	50
A48		A55		A63		A70		A77		A84		A91		A98		A105		
11.9	0.90	15.4	0.94	19.4	0.97	23.0	0.99	26.5	1.01	30.0	1.03	33.5	1.04	37.0	1.07	40.5	1.09	51
11.2	0.90	14.8	0.93	18.8	0.96	22.3	0.99	25.8	1.01	29.3	1.03	32.8	1.04	36.3	1.07	39.8	1.08	52
—	—	13.4	0.93	17.4	0.96	21.0	0.98	24.5	1.00	28.0	1.02	31.5	1.04	35.0	1.07	38.5	1.08	53
—	—	12.8	0.92	16.8	0.96	20.3	0.98	23.8	1.00	27.3	1.02	30.9	1.04	34.4	1.07	37.9	1.08	54
—	—	12.6	0.92	16.6	0.96	20.2	0.98	23.7	1.00	27.2	1.02	30.7	1.04	34.2	1.07	37.7	1.08	55
A54		A63		A72		A81		A90		A98		A105		A112		A128		
—	—	14.8	0.94	19.3	0.98	23.9	1.01	28.4	1.03	32.4	1.06	35.9	1.08	39.4	1.09	47.4	1.12	56
—	—	13.4	0.94	18.0	0.97	22.5	1.00	27.0	1.03	31.0	1.06	34.5	1.08	38.0	1.09	46.1	1.12	57
22.2	0.96	26.7	0.99	31.2	1.01	35.7	1.03	40.2	1.05	44.2	1.08	47.7	1.09	51.2	1.11	59.2	1.13	58
21.4	0.95	25.9	0.98	30.4	1.01	34.9	1.03	39.4	1.05	43.4	1.08	46.9	1.09	50.4	1.11	58.4	1.13	59
20.6	0.95	25.1	0.98	29.6	1.01	34.2	1.03	38.7	1.05	42.7	1.08	46.2	1.09	49.7	1.11	57.7	1.13	60
A36		A40		A45		A50		A55		A60		A65		A70		A75		
11.2	0.86	13.2	0.88	15.7	0.92	18.2	0.94	20.7	0.96	23.2	0.97	25.8	0.99	28.3	1.00	30.8	1.01	61
10.8	0.85	12.8	0.88	15.3	0.91	17.8	0.94	20.4	0.95	22.9	0.97	25.4	0.99	27.9	1.00	30.4	1.01	62
10.0	0.85	12.0	0.87	14.5	0.91	17.1	0.93	19.6	0.95	22.1	0.97	24.6	0.98	27.1	1.00	29.6	1.01	63
9.2	0.84	11.2	0.87	13.8	0.91	16.3	0.93	18.8	0.95	21.3	0.97	23.8	0.98	26.3	1.00	28.8	1.01	64
8.6	0.84	10.6	0.86	13.1	0.90	15.6	0.93	18.1	0.95	20.6	0.96	23.1	0.98	25.6	1.00	28.1	1.01	65
A48		A55		A63		A70		A77		A84		A91		A98		A105		
12.6	0.91	16.1	0.94	20.2	0.97	23.7	0.99	27.2	1.01	30.7	1.03	34.2	1.04	37.7	1.07	41.2	1.09	66
11.8	0.90	15.3	0.93	19.4	0.97	22.9	0.99	26.4	1.01	29.9	1.03	33.4	1.04	26.9	1.07	40.4	1.09	67
10.6	0.89	14.1	0.93	18.2	0.96	21.7	0.98	25.2	1.01	28.7	1.02	32.2	1.04	35.7	1.07	39.2	1.08	68
—	—	12.7	0.92	16.7	0.95	20.2	0.98	23.8	1.00	27.3	1.02	30.8	1.04	34.3	1.07	37.8	1.08	69
18.2	0.93	21.7	0.96	25.7	0.98	29.2	1.00	32.7	1.02	36.2	1.04	39.7	1.05	43.2	1.08	46.7	1.09	70
A36		A40		A45		A50		A55		A60		A65		A70		A75		
11.4	0.86	13.4	0.88	15.9	0.92	18.4	0.94	20.9	0.96	23.4	0.97	25.9	0.99	28.4	1.00	30.9	1.01	71
11.0	0.85	13.0	0.88	15.5	0.91	18.0	0.94	20.5	0.95	23.0	0.97	25.5	0.99	28.0	1.00	30.5	1.01	72
10.6	0.85	12.6	0.87	15.1	0.91	17.6	0.93	20.1	0.95	22.6	0.97	25.1	0.99	27.6	1.00	30.1	1.01	73
9.8	0.85	11.8	0.87	14.3	0.91	16.8	0.93	19.3	0.95	21.8	0.97	24.3	0.98	26.8	1.00	29.3	1.01	74
9.0	0.84	11.0	0.86	13.5	0.91	16.0	0.93	18.5	0.95	21.0	0.97	23.5	0.98	26.0	1.00	28.5	1.01	75

B

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Datum Diameter Driver	Datum Diameter Driven	Type Fix	Type Var	Nominal Driven Speeds and Horsepower per Belt — 3500 RPM Driver: Nominal Driven Speed	3500 RPM Driver: HP per Belt Super	3500 RPM Driver: HP per Belt Gripnotch	1750 RPM Driver: Nominal Driven Speed	1750 RPM Driver: HP per Belt Super	1750 RPM Driver: HP per Belt Gripnotch	Center Distance in Inches and "F" Factor for Browning Belts: Belt No.	C.D.	F	Belt No.	C.D.	F	Belt No.	C.D.	F
														A28			A38			A48		
1	1.52	1	3	4.9	7.6	X	—			10.06	1151	5.78	6.21	—	—		9.7	0.85		14.8	0.92	
2	1.52	1	3	5.7	8.8	X	X	2302	8.86	11.99	1151	7.08	7.55	—	—		—	—		13.2	0.91	
3	1.52	1	10	6.6	10.2	X	—	2302	10.56	13.85	1151	8.48	8.99	—	—		—	—		11.3	0.90	
4	1.52	1	1	7.6	11.7	X	—	2302	12.08	—	1151	9.94	10.52	—	—		—	—		—	—	
5	1.52	1	10	9.4	14.4	X	—	—	—	—	1151	12.32	13.06	—	—		—	—		—	—	
														A24			A28			A32		
6	1.53	1	1	2.4	3.8	X	—	2287	2.31	3.14	1143	1.54	2.19	7.8	0.79		9.8	0.82		11.8	0.84	
7	1.53	1	1	2.6	4.1	X	—	2287	2.75	3.70	1143	1.80	2.52	7.4	0.78		9.4	0.82		11.4	0.84	
8	1.53	1	1	2.8	4.4	X	X	2287	3.19	4.23	1143	2.09	2.85	7.0	0.78		9.0	0.81		11.0	0.84	
9	1.53	1	3	3.0	4.7	X	X	2287	3.69	4.76	1143	2.46	3.18	6.6	0.78		8.6	0.81		10.6	0.84	
10	1.53	1	2	3.7	5.8	X	—	2287	5.77	6.73	1143	3.72	4.28	—	0.78		7.1	0.80		9.1	0.83	
														A24			A30			A36		
11	1.53	1	1	4.1	6.4	X	—	2287	6.87	7.89	1143	4.42	4.88	—	—		7.3	0.81		10.3	0.85	
12	1.53	1	1	4.3	6.7	X	—	2287	7.39	8.46	1143	4.76	5.18	—	—		—	—		9.9	0.85	
13	1.53	1	6	5.0	7.8	X	X	2287	9.09	10.31	1143	5.94	6.38	—	—		—	—		8.5	0.83	
14	1.53	1	1	5.6	8.7	X	X	2287	10.37	11.76	1143	6.92	7.38	—	—		—	—		—	—	
15	1.53	1	1	6.9	10.7	X	—	—	—	—	1143	8.93	9.46	—	—		—	—		—	—	
														A28			A37			A45		
16	1.53	1	10	7.6	11.8	X	—	—	—	—	1143	9.94	10.52	—	—		—	—		—	—	
17	1.53	1	1	7.9	12.2	X	—	—	—	—	1143	10.36	10.96	—	—		—	—		—	—	
18	1.53	1	3	9.2	14.2	X	—	—	—	—	1143	12.07	12.79	—	—		—	—		—	—	
19	1.54	1	1	2.9	4.6	X	—	2272	3.40	4.50	1136	2.27	3.02	8.7	8.1		13.2	0.87		17.2	0.92	
20	1.54	1	2	3.1	4.9	X	—	2272	4.00	5.01	1136	2.64	3.34	8.3	8.1		12.8	0.87		16.8	0.92	
														A24			A28			A32		
21	1.54	1	2	3.3	5.2	X	X	2272	4.61	5.51	1136	3.00	3.66	5.9	0.77		7.9	0.80		9.9	0.83	
22	1.54	1	6	4.2	6.6	X	—	2272	7.13	8.18	1136	4.59	5.03	—	—		—	—		8.1	0.82	
23	1.54	1	3	4.4	6.9	X	X	2272	7.65	8.73	1136	4.93	5.36	—	—		—	—		7.7	0.81	
24	1.54	1	6	4.6	7.2	X	—	2272	8.15	9.27	1136	5.27	5.70	—	—		—	—		—	—	
25	1.54	1	1	4.9	7.7	X	—	2272	8.68	10.06	1136	5.78	6.21	—	—		—	—		—	—	
														A28			A38			A48		
26	1.54	1	3	5.9	9.2	X	—	2272	10.94	12.43	1136	7.40	7.87	—	—		—	—		12.7	0.91	
27	1.54	1	6	6.0	9.4	X	X	2272	11.11	12.65	1136	7.55	8.03	—	—		—	—		12.4	0.90	
28	1.54	1	1	6.2	9.7	X	X	2272	11.46	13.06	1136	7.86	8.36	—	—		—	—		12.0	0.90	
29	1.54	1	3	7.2	11.2	X	—	—	—	—	1136	9.37	9.92	—	—		—	—		—	—	
30	1.54	1	2	9.8	15.2	X	—	—	—	—	1136	12.80	13.59	—	—		—	—		—	—	
														A24			A28			A32		
31	1.55	1	1	2.7	4.3	X	—	2258	2.97	3.97	1129	1.93	2.69	7.1	0.78		9.1	0.81		11.1	0.84	
32	1.55	1	3	3.4	5.4	X	—	2258	4.90	5.82	1129	3.18	3.81	—	—		7.7	0.80		9.7	0.83	
33	1.55	1	3	3.6	5.7	X	X	2258	5.48	6.43	1129	3.54	4.12	—	—		7.3	0.80		9.3	0.83	
34	1.55	1	3	3.8	6.0	X	X	2258	6.05	7.03	1129	3.89	4.43	—	—		6.9	0.79		8.9	0.83	
35	1.55	1	1	4.3	6.8	X	—	2258	7.39	8.46	1129	4.76	5.18	—	—		—	—		7.8	0.82	
														A24			A30			A36		
36	1.55	1	3	4.7	7.4	X	—	2258	8.39	9.54	1129	5.44	5.87	—	—		—	—		9.1	0.84	
37	1.55	1	1	5.0	7.9	X	X	2258	9.09	10.31	1129	5.94	6.38	—	—		—	—		8.4	0.83	
38	1.55	1	6	5.2	8.2	X	X	2258	9.53	10.81	1129	6.27	6.72	—	—		—	—		—	—	
39	1.55	1	6	5.6	8.8	X	X	2258	10.37	11.76	1129	6.92	7.38	—	—		—	—		—	—	
40	1.55	1	1	6.8	10.7	X	—	2258	12.36	14.21	1129	8.78	9.30	—	—		—	—		—	—	
														A28			A38			A48		
41	1.55	1	3	7.8	12.2	X	—		—	—	1129	10.22	10.81	—	—		—	—		—	—	
42	1.55	1	3	9.2	14.4	X	—	—	—	—	1129	12.07	12.79	—	—		—	—		—	—	
43	1.55	1	1	9.7	15.2	X	—		—	—	1129	12.68	13.46	—	—		—	—		—	—	
44	1.56	1	3	3.0	4.8	X	X	2243	3.69	4.76	1121	2.46	3.18	8.5	0.81		13.5	0.87		18.5	0.93	
45	1.56	1	2	3.5	5.6	X	—	2243	5.19	6.13	1121	3.36	3.97	7.4	0.80		12.5	0.87		17.5	0.93	
														A24			A28			A32		
46	1.56	1	2	3.7	5.9	X	—	2243	5.77	6.73	1121	3.72	4.28	—	—		7.0	0.79		9.0	0.83	
47	1.56	1	1	3.9	6.2	X	—	2243	6.33	7.32	1121	4.07	4.58	—	—		6.6	0.79		8.6	0.82	
48	1.56	1	3	4.2	6.7	X	—	2243	7.13	8.18	1121	4.59	5.03	—	—		—	—		8.0	0.82	
49	1.56	1	6	4.4	7.0	X	X	2243	7.65	8.73	1121	4.93	5.36	—	—		—	—		7.6	0.81	
50	1.56	1	6	4.8	7.6	X	—	2243	8.63	9.80	1121	5.61	6.04	—	—		—	—		—	—	
														A26			A34			A42		
51	1.56	1	3	4.9	7.8	X	—	2243	8.86	10.06	1121	5.78	6.21	—	—		—	—		11.6	0.87	
52	1.56	1	3	5.8	9.2	X	—	2243	10.75	12.21	1121	7.24	7.71	—	—		—	—		9.7	0.86	
53	1.56	1	10	6.2	9.8	X	X	2243	11.46	13.06	1121	7.86	8.36	—	—		—	—		—	—	
54	1.56	1	1	7.4	11.7	X	—	—	—	—	1121	9.65	10.22	—	—		—	—		—	—	
55	1.56	1	1	7.7	12.2	X	—	—	—	—	1121	10.08	10.67	—	—		—	—		—	—	
														A24			A28			A32		
56	1.57	1	1	2.4	3.9	X	—	2229	2.31	3.14	1114	1.54	2.19	7.7	0.78		9.7	0.82		11.7	0.84	
57	1.57	1	1	2.6	4.2	X	—	2229	2.76	3.70	1114	1.80	2.52	7.3	0.78		9.3	0.81		11.3	0.84	
58	1.57	1	2	3.1	5.0	X	—	2229	4.00	5.01	1114	2.64	3.34	6.2	0.77		8.2	0.81		10.2	0.83	
59	1.57	1	3	3.6	5.8	X	X	2229	5.48	6.43	1114	3.54	4.12	—	—		7.2	0.79		9.2	0.83	
60	1.57	1	3	4.0	6.4	X	—	2229	6.60	7.61	1114	4.24	4.73	—	—		—	—		8.4	0.82	
														A26			A33			A40		
61	1.57	1	1	4.3	6.9	X	—	2229	7.39	8.46	1114	4.76	5.18	—	—		8.3	0.82		11.8	0.87	
62	1.57	1	3	5.9	9.4	X	—	2229	10.94	12.43	1114	7.40	7.87	—	—		—	—		—	—	
63	1.57	1	10	6.4	10.2	X	—	2229	11.78	13.46	1114	8.17	8.67	—	—		—	—		—	—	
64	1.57	1	1	6.7	10.7	X	X	2229	12.22	14.03	1114	8.63	9.15	—	—		—	—		—	—	
65	1.57	1	10	7.4	11.8	X	—	—	—	—.	1114	9.65	10.22	—	—		—	—		—	—	
														A24			A28			A32		
66	1.58	1	1	2.7	4.4	X	—	2215	2.98	3.97	1107	1.93	2.69	7.0	0.78		9.0	0.81		11.0	0.84	
67	1.58	1	1	2.9	4.7	X	—	2215	3.41	4.50	1107	2.27	3.02	6.6	0.77		8.6	0.81		10.6	0.84	
68	1.58	1	3	3.2	5.2	X	—	2215	4.31	5.26	1107	2.82	3.50	6.0	0.77		8.0	0.80		10.0	0.83	
69	1.58	1	2	3.7	6.0	X	—	2215	5.77	6.73	1107	3.72	4.28	—	—		6.9	0.79		9.0	0.82	
70	1.58	1	1	4.1	6.6	X	—	2215	6.87	7.89	1107	4.42	4.88	—	—					8.2	0.82	
														A26			A32			A38		
71	1.58	1	6	4.6	7.4	X	—	2215	8.15	9.27	1107	5.27	5.70	—	—		—	—		10.1	0.85	
72	1.58	1	1	4.8	7.7	X	—	2215	8.63	9.80	1107	5.61	6.04	—	—		—	—		9.7	0.85	
73	1.58	1	1	4.9	7.9	X	—	2215	8.86	10.06	1107	5.78	6.21	—	—		—	—		9.5	0.84	
74	1.58	1	1	5.4	8.7	X	—	2215	9.96	11.29	1107	6.60	7.05	—	—		—	—		—	—	
75	1.58	1	3	7.0	11.2	X	X	—	—	—	1107	9.07	9.61	—	—		—	—		—	—	

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts

Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
A58		**A68**		**A78**		**A88**		**A100**		**A112**		**A120**		**A128**		**A136**		
19.8	0.96	24.8	0.99	29.8	1.02	34.8	1.04	40.8	1.08	46.8	1.10	50.8	1.11	54.8	1.13	58.8	1.14	1
18.2	0.95	23.2	0.99	28.2	1.01	33.2	1.04	39.2	1.08	45.2	1.10	49.2	1.11	53.2	1.13	57.2	1.14	2
16.4	0.94	21.4	0.98	26.4	1.01	31.4	1.03	37.4	1.07	43.4	1.10	47.4	1.11	51.4	1.12	55.4	1.13	3
14.4	0.93	19.4	0.97	24.4	1.00	29.4	1.03	35.4	1.07	41.4	1.09	45.5	1.11	49.5	1.12	53.5	1.13	4
—	—	15.8	0.96	20.8	0.99	25.8	1.02	31.9	1.06	37.9	1.09	41.9	1.10	45.9	1.12	49.9	1.13	5
A36		**A40**		**A45**		**A50**		**A55**		**A60**		**A65**		**A70**		**A75**		
13.8	0.87	15.8	0.89	18.3	0.92	20.8	0.94	23.3	0.96	25.8	0.98	28.3	0.99	30.8	1.01	33.3	1.02	6
13.4	0.86	15.4	0.88	17.9	0.92	20.4	0.94	22.9	0.96	25.4	0.98	27.9	0.99	30.4	1.01	32.9	1.02	7
13.0	0.86	15.0	0.88	17.5	0.92	20.0	0.94	22.5	0.96	25.0	0.98	27.5	0.99	30.0	1.00	32.5	1.02	8
12.6	0.86	14.6	0.88	17.1	0.92	19.6	0.94	22.1	0.96	24.6	0.97	27.1	0.99	29.6	1.00	32.1	1.02	9
11.1	0.85	13.2	0.88	15.7	0.91	18.2	0.94	20.7	0.95	23.2	0.97	25.7	0.99	28.2	1.00	30.7	1.01	10
A42		**A48**		**A54**		**A60**		**A66**		**A72**		**A78**		**A84**		**A90**		
13.4	0.88	16.4	0.92	19.4	0.95	22.4	0.97	25.4	0.99	28.4	1.00	31.4	1.02	34.4	1.03	37.4	1.05	11
13.0	0.88	16.0	0.92	19.0	0.95	22.0	0.97	25.0	0.99	28.0	1.00	31.0	1.02	34.0	1.03	37.0	1.05	12
11.5	0.87	14.5	0.92	17.5	0.94	20.6	0.96	23.6	0.98	26.6	1.00	29.6	1.02	32.6	1.03	35.6	1.04	13
10.3	0.86	13.3	0.91	16.4	0.94	19.4	0.96	22.4	0.98	25.4	1.00	28.4	1.01	31.4	1.03	34.4	1.04	14
—	—	10.7	0.89	13.7	0.92	16.7	0.95	19.7	0.97	22.8	0.99	25.8	1.01	28.8	1.02	31.8	1.04	15
A54		**A63**		**A72**		**A81**		**A90**		**A98**		**A105**		**A112**		**A128**		
12.2	0.91	16.8	0.95	21.3	0.99	25.8	1.01	30.3	1.03	34.4	1.07	37.9	1.08	41.4	1.09	49.4	1.12	16
11.7	0.91	16.2	0.95	20.8	0.98	25.3	1.01	29.8	1.03	33.8	1.07	37.3	1.08	40.8	1.09	48.8	1.12	17
—	—	13.6	0.93	18.1	0.97	22.6	1.00	27.2	1.03	31.2	1.06	34.7	1.07	38.2	1.09	46.2	1.12	18
21.7	0.95	26.2	0.98	30.5	1.01	35.3	1.03	39.8	1.05	43.8	1.08	47.3	1.09	50.8	1.11	58.8	1.13	19
21.4	0.95	25.9	0.98	30.4	1.01	34.9	1.03	39.4	1.05	43.4	1.08	46.9	1.09	50.4	1.11	58.4	1.13	20
A36		**A40**		**A45**		**A50**		**A55**		**A60**		**A65**		**A70**		**A75**		
11.9	0.86	13.9	0.88	16.5	0.92	19.0	0.94	21.5	0.96	24.0	0.97	26.5	0.99	29.0	1.00	31.5	1.02	21
10.1	0.85	12.1	0.87	14.6	0.91	17.1	0.93	19.6	0.95	22.1	0.97	24.6	0.98	27.1	1.00	29.6	1.01	22
9.7	0.84	11.7	0.87	14.2	0.91	16.7	0.93	19.2	0.95	21.7	0.97	24.2	0.98	26.8	1.00	29.3	1.01	23
9.3	0.84	11.3	0.87	13.8	0.91	16.3	0.93	18.8	0.95	21.3	0.97	23.9	0.98	26.4	1.00	28.9	1.01	24
8.6	0.83	10.7	0.86	13.2	0.90	15.7	0.93	18.2	0.95	20.7	0.96	23.2	0.98	25.7	1.00	28.2	1.01	25
A58		**A68**		**A78**		**A88**		**A100**		**A112**		**A120**		**A128**		**A136**		
17.7	0.95	22.7	0.98	27.7	1.01	32.8	1.04	38.8	1.08	44.8	1.10	48.8	1.11	52.8	1.12	56.8	1.14	26
17.5	0.95	22.5	0.98	27.5	1.01	32.5	1.04	38.5	1.08	44.5	1.10	48.5	1.11	52.5	1.12	56.5	1.14	27
17.1	0.95	22.1	0.98	27.1	1.01	32.1	1.03	38.1	1.08	44.1	1.10	48.1	1.11	52.1	1.12	56.1	1.14	28
15.1	0.94	20.1	0.97	25.1	1.01	30.1	1.03	36.2	1.07	42.2	1.09	46.2	1.11	50.2	1.12	54.2	1.13	29
—	—	14.8	0.95	19.8	0.99	24.9	1.02	30.9	1.06	36.9	1.09	40.9	1.10	44.9	1.11	49.0	1.13	30
A36		**A40**		**A45**		**A50**		**A55**		**A60**		**A65**		**A70**		**A75**		
13.1	0.86	15.1	0.88	17.6	0.92	20.1	0.94	22.6	0.96	25.1	0.98	27.6	0.99	30.1	1.00	32.6	1.02	31
11.7	0.86	13.7	0.88	16.2	0.92	18.7	0.94	21.2	0.96	23.7	0.97	26.2	0.99	28.7	1.00	31.2	1.01	32
11.3	0.85	13.3	0.88	15.8	0.91	18.3	0.94	20.8	0.95	23.3	0.97	25.8	0.99	28.3	1.00	30.8	1.01	33
10.9	0.85	12.9	0.87	15.4	0.91	17.9	0.93	20.4	0.95	22.9	0.97	25.4	0.99	27.9	1.00	30.4	1.01	34
9.9	0.84	11.9	0.87	14.4	0.91	16.9	0.93	19.4	0.95	21.9	0.97	24.4	0.98	26.9	1.00	29.4	1.01	35
A42		**A48**		**A54**		**A60**		**A66**		**A72**		**A78**		**A84**		**A90**		
12.1	0.87	15.1	0.92	18.1	0.94	21.1	0.97	24.1	0.98	27.1	1.00	30.1	1.02	33.1	1.03	36.1	1.04	36
11.4	0.87	14.5	0.92	17.5	0.94	20.5	0.96	23.5	0.98	26.5	1.00	29.5	1.02	32.5	1.03	35.5	1.04	37
11.0	0.87	14.1	0.91	17.1	0.94	20.1	0.96	23.1	0.98	26.1	1.00	29.1	1.01	32.1	1.03	35.1	1.04	38
10.2	0.86	13.2	0.91	16.3	0.94	19.3	0.96	22.3	0.98	25.3	1.00	28.3	1.01	31.3	1.03	34.3	1.04	39
—	—	10.7	0.89	13.8	0.92	16.8	0.95	19.8	0.97	22.8	0.99	25.8	1.01	28.8	1.02	31.9	1.04	40
A58		**A68**		**A78**		**A88**		**A100**		**A112**		**A120**		**A128**		**A136**		
13.8	0.93	18.8	0.97	23.8	1.00	28.9	1.03	34.9	1.07	40.9	1.09	44.9	1.11	48.9	1.12	52.9	1.13	41
—	—	15.9	0.95	21.0	0.99	26.0	1.02	32.0	1.06	38.0	1.09	42.0	1.10	46.1	1.11	50.1	1.13	42
—	—	14.8	0.95	19.9	0.99	25.0	1.02	31.0	1.06	37.0	1.08	41.0	1.10	45.0	1.11	49.0	1.13	43
23.5	0.97	28.5	1.00	33.5	1.02	38.5	1.05	44.5	1.08	50.5	1.11	54.5	1.12	58.5	1.13	62.5	1.14	44
22.5	0.96	27.5	1.00	32.5	1.02	37.5	1.04	43.5	1.08	49.5	1.10	53.5	1.12	57.5	1.13	61.5	1.14	45
A36		**A40**		**A45**		**A50**		**A55**		**A60**		**A65**		**A70**		**A75**		
11.1	0.85	13.1	0.87	15.6	0.91	18.1	0.93	20.6	0.95	23.1	0.97	25.6	0.99	28.1	1.00	30.6	1.01	46
10.7	0.85	12.7	0.87	15.2	0.91	17.7	0.93	20.2	0.95	22.7	0.97	25.2	0.99	27.7	1.00	30.2	1.01	47
10.0	0.84	12.0	0.87	14.5	0.91	17.0	0.93	19.6	0.95	22.1	0.97	24.6	0.98	27.1	1.00	29.6	1.01	48
9.6	0.84	11.6	0.87	14.1	0.91	16.7	0.93	19.2	0.95	21.7	0.97	24.2	0.98	26.7	1.00	29.2	1.01	49
8.8	0.83	10.8	0.86	13.3	0.90	15.9	0.93	18.4	0.95	20.9	0.96	23.4	0.98	25.9	1.00	28.4	1.01	50
A48		**A55**		**A63**		**A70**		**A77**		**A84**		**A91**		**A98**		**A105**		
14.6	0.92	18.1	0.94	22.1	0.97	25.6	0.99	29.1	1.01	32.6	1.03	36.2	1.05	39.7	1.08	43.2	1.09	51
12.8	0.90	16.3	0.94	20.3	0.97	23.8	0.99	27.3	1.01	30.8	1.03	34.3	1.04	37.8	1.07	41.3	1.09	52
12.0	0.90	15.5	0.93	19.5	0.96	23.0	0.99	26.5	1.01	30.0	1.02	33.5	1.04	37.0	1.07	40.6	1.08	53
—	—	13.0	0.92	17.0	0.95	20.5	0.98	24.1	1.00	27.6	1.02	31.1	1.04	34.6	1.07	38.1	1.08	54
—	—	12.3	0.91	16.4	0.95	19.9	0.98	23.4	1.00	26.9	1.02	30.4	1.03	34.0	1.06	37.5	1.08	55
A36		**A40**		**A45**		**A50**		**A55**		**A60**		**A65**		**A70**		**A75**		
13.7	0.87	15.7	0.89	18.2	0.92	20.7	0.94	23.2	0.96	25.7	0.98	28.2	0.99	30.7	1.01	33.2	1.02	56
13.3	0.86	15.3	0.88	17.8	0.92	20.3	0.94	22.8	0.96	25.3	0.98	27.8	0.99	30.3	1.00	32.8	1.02	57
12.3	0.86	14.3	0.88	16.8	0.92	19.3	0.94	21.8	0.96	24.3	0.97	26.8	0.99	29.3	1.00	31.8	1.02	58
11.2	0.85	13.2	0.87	15.7	0.91	18.2	0.93	20.7	0.95	23.2	0.97	25.7	0.99	28.2	1.00	30.8	1.01	59
10.4	0.85	12.4	0.87	14.9	0.91	17.4	0.93	19.9	0.95	22.5	0.97	25.0	0.98	27.5	1.00	30.0	1.01	60
A46		**A52**		**A58**		**A65**		**A72**		**A79**		**A86**		**A93**		**A100**		
14.8	0.91	17.8	0.94	20.8	0.96	24.3	0.98	27.8	1.00	31.3	1.02	34.8	1.04	38.3	1.05	41.8	1.08	61
11.5	0.89	14.5	0.92	17.6	0.95	21.1	0.97	24.6	0.99	28.1	1.01	31.6	1.03	35.1	1.05	38.6	1.08	62
10.4	0.88	13.5	0.92	16.5	0.94	20.0	0.97	23.5	0.99	27.1	1.01	30.6	1.03	34.1	1.04	37.6	1.07	63
—	—	12.8	0.91	15.9	0.94	19.4	0.97	22.9	0.99	26.4	1.01	29.9	1.03	33.4	1.04	36.9	1.07	64
—	—	11.4	0.90	14.4	0.93	17.9	0.96	21.5	0.98	25.0	1.00	28.5	1.02	32.0	1.04	35.5	1.07	65
A36		**A40**		**A45**		**A50**		**A55**		**A60**		**A65**		**A70**		**A75**		
13.0	0.86	15.1	0.88	17.6	0.92	20.1	0.94	22.6	0.96	25.1	0.97	27.6	0.99	30.1	1.00	32.6	1.02	66
12.7	0.86	14.7	0.88	17.2	0.92	19.7	0.94	22.2	0.96	24.7	0.97	27.2	0.99	29.7	1.00	32.2	1.02	67
12.0	0.86	14.0	0.88	16.5	0.92	19.0	0.94	21.5	0.96	24.0	0.97	26.5	0.99	29.0	1.00	31.5	1.01	68
11.0	0.85	13.0	0.87	15.5	0.91	18.0	0.93	20.5	0.95	23.0	0.97	25.5	0.99	28.0	1.00	30.5	1.01	69
10.2	0.85	12.2	0.87	14.7	0.91	17.2	0.93	19.7	0.95	22.2	0.97	24.7	0.98	27.2	1.00	29.7	1.01	70
A44		**A50**		**A56**		**A62**		**A68**		**A74**		**A81**		**A88**		**A95**		
13.2	0.88	16.2	0.93	19.2	0.95	22.2	0.97	25.2	0.99	28.2	1.01	31.7	1.02	35.2	1.04	38.7	1.05	71
12.8	0.88	15.8	0.92	18.8	0.95	21.8	0.97	24.8	0.99	27.8	1.01	31.3	1.02	34.8	1.04	38.3	1.05	72
12.5	0.88	15.5	0.92	18.5	0.95	21.5	0.97	24.6	0.99	27.6	1.00	31.1	1.02	34.6	1.04	38.1	1.05	73
11.5	0.87	14.5	0.92	17.5	0.94	20.5	0.97	23.5	0.98	26.5	1.00	30.0	1.02	33.5	1.04	37.0	1.05	74
—	—	11.2	0.89	14.2	0.93	17.2	0.95	20.3	0.97	23.3	0.99	26.8	1.01	30.3	1.03	33.8	1.05	75

B

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Datum Diameter Driver	Datum Diameter Driven	Type Fix.	Type Var.	Nominal Driven Speeds and Horsepower per Belt — 3500 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	1750 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	Center Distance in Inches and "F" Factor for Browning Belts: Belt No.	C.D.	F	Belt No.	C.D.	F	Belt No.	C.D.	F
														A26			A34			A42		
1	1.58	1	3	7.6	12.2	X	—	—	—	—	1107	9.94	10.52	—	—		—	—		—	—	
2	1.59	1	3	3.0	4.9	X	X	2201	3.69	4.76	1100	2.46	3.18	7.4	0.78		11.4	0.85		15.4	0.89	
3	1.59	1	2	3.5	5.7	X	—	2201	5.19	6.13	1100	3.36	3.97	6.3	0.79		10.4	0.84		14.4	0.89	
4	1.59	1	6	4.2	6.8	X	—	2201	7.13	8.18	1100	4.59	5.03	—	—		8.9	0.83		12.9	0.88	
5	1.59	1	3	4.7	7.6	X	—	2201	8.39	9.54	1100	5.44	5.87	—	—		7.9	0.82		11.9	0.87	
														A28			A36			A44		
6	1.59	1	3	5.7	9.2	X	X	2201	10.56	11.99	1100	7.08	7.55	—	—		—	—		10.8	0.87	
7	1.59	1	1	6.0	9.7	X	X	2201	11.11	12.65	1100	7.55	8.03	—	—		—	—		10.2	0.86	
8	1.59	1	10	8.2	13.2	X	—	—	—	—	1100	10.77	11.40	—	—		—	—		—	—	
9	1.60	1	1	2.6	4.3	X	—	2187	2.77	3.70	1093	1.81	2.52	9.2	0.81		13.2	0.86		17.2	0.90	
10	1.60	1	1	2.8	4.6	X	X	2187	3.20	4.23	1093	2.09	2.85	8.8	0.81		12.8	0.86		16.8	0.90	
														A24			A28			A32		
11	1.60	1	2	3.3	5.4	X	X	2187	4.61	5.51	1093	3.00	3.66	—	—		7.7	0.80		9.8	0.83	
12	1.60	1	3	3.6	5.9	X	X	2187	5.48	6.43	1093	3.54	4.12	—	—		7.1	0.79		9.1	0.82	
13	1.60	1	3	3.8	6.2	X	X	2187	6.05	7.03	1093	3.89	4.43	—	—		6.7	0.79		8.7	0.82	
14	1.60	1	1	3.9	6.4	X	—	2187	6.33	7.32	1093	4.07	4.58	—	—		—	—		8.5	0.82	
15	1.60	1	1	4.1	6.7	X	—	2187	6.87	7.89	1093	4.42	4.88	—	—		—	—		8.1	0.81	
														A24			A29			A34		
16	1.60	1	1	4.3	7.0	X	—	2187	7.39	8.46	1093	4.76	5.18	—	—		—	—		8.7	0.83	
17	1.60	1	6	4.4	7.2	X	X	2167	7.65	8.73	1093	4.93	5.36	—	—		—	—		8.4	0.82	
18	1.60	1	6	4.8	7.8	X	—	2187	8.63	9.80	1093	5.61	6.04	—	—		—	—		—	—	
19	1.60	1	6	5.4	8.8	X	—	2187	9.96	11.29	1093	6.60	7.05	—	—		—	—		—	—	
20	1.60	1	6	5.8	9.4	X	—	2187	10.75	12.21	1093	7.24	7.71	—	—		—	—		—	—	
														A28			A38			A48		
21	1.60	1	1	6.6	10.7	X	—	2187	12.08	13.85	1093	8.48	8.99	—	—		—	—		10.9	0.89	
22	1.60	1	3	6.9	11.2	X	—	—	—	—	1093	8.93	9.46	—	—		—	—		—	—	
23	1.60	1	1	7.2	11.7	X	—	—	—	—	1093	9.37	9.92	—	—		—	—		—	—	
24	1.60	1	3	8.8	14.2	X	—	—	—	—	1093	11.56	12.24	—	—		—	—		—	—	
25	1.60	1	2	9.4	15.2	X	—	—	—	—	1093	12.32	13.06	—	—		—	—		—	—	
														A24			A28			A32		
26	1.61	1	1	2.4	4.0	X	—	2173	2.32	3.14	1086	1.55	2.19	7.6	0.78		9.6	0.81		11.6	0.84	
27	1.61	1	1	2.9	4.8	X	—	2173	3.42	4.50	1086	2.27	3.02	6.5	0.77		8.6	0.81		10.6	0.83	
28	1.61	1	3	3.4	5.6	X	—	2173	4.90	5.82	1086	3.18	3.81	—	—		7.5	0.80		9.5	0.83	
29	1.61	1	3	4.0	6.6	X	—	2173	6.60	7.61	1086	4.24	4.73	—	—		—	—		8.2	0.82	
30	1.61	1	3	4.2	6.9	X	—	2173	7.13	8.18	1086	4.59	5.03	—	—		—	—		7.8	0.81	
														A28			A37			A45		
31	1.61	1	1	4.7	7.7	X	—	2173	8.39	9.54	1086	5.44	5.87	—	—		9.3	0.84		13.3	0.90	
32	1.61	1	6	5.0	8.2	X	X	2173	9.09	10.31	1086	5.94	6.38	—	—		8.6	0.83		12.7	0.90	
33	1.61	1	6	6.0	9.8	X	X	2173	11.11	12.65	1086	7.55	8.03	—	—		—	—		10.6	0.88	
34	1.61	1	1	8.7	14.2	X	—	—	—	—	1086	11.43	12.10	—	—		—	—		—	—	
35	1.62	1	3	3.0	5.0	X	X	2160	3.69	4.76	1080	2.46	3.18	8.3	0.80		12.8	0.86		16.8	0.92	
														A24			A29			A34		
36	1.62	1	2	3.5	5.8	X	—	2160	5.19	6.13	1080	3.36	3.97	—	—		7.8	0.80		10.3	0.84	
37	1.62	1	1	4.1	6.8	X	—	2160	6.87	7.89	1080	4.42	4.88	—	—		—	—		9.0	0.83	
38	1.62	1	6	4.6	7.6	X	—	2160	8.15	9.27	1080	5.27	5.70	—	—		—	—		7.9	0.82	
39	1.62	1	1	4.8	7.9	X	—	2160	8.63	9.80	1080	5.61	6.04	—	—		—	—		—	—	
40	1.62	1	3	5.6	9.2	X	X	2160	10.37	11.76	1080	6.92	7.38	—	—		—	—		—	—	
														A26			A33			A40		
41	1.62	1	3	5.7	9.4	X	X	2160	10.56	11.99	1080	7.08	7.55	—	—		—	—		—	—	
42	1.62	1	1	5.9	9.7	X	—	2160	10.94	12.43	1080	7.40	7.87	—	—		—	—		—	—	
43	1.62	1	10	6.2	10.2	X	X	2160	11.46	13.06	1080	7.86	8.36	—	—		—	—		—	—	
44	1.62	1	3	6.8	11.2	X	—	2160	12.36	14.21	1080	8.78	9.30	—	—		—	—		—	—	
45	1.62	1	10	7.2	11.8	X	—	—	—	—	1080	9.37	9.92	—	—		—	—		—	—	
														A28			A37			A45		
46	1.62	1	10	8.8	14.4	X	—	—	—	—	1080	11.56	12.24	—	—		—	—		—	—	
47	1.63	1	1	2.8	4.7	X	X	2147	3.21	4.23	1073	2.09	2.85	8.7	0.81		13.2	0.86		17.2	0.92	
48	1.63	1	2	3.1	5.2	X	—	2147	4.00	5.01	1073	2.64	3.34	8.1	0.80		12.6	0.86		16.6	0.92	
49	1.63	1	3	3.4	5.7	X	—	2147	4.90	5.82	1073	3.18	3.81	7.4	0.79		12.0	0.86		16.0	0.91	
50	1.63	1	3	3.6	6.0	X	X	2147	5.48	6.43	1073	3.54	4.12	7.0	0.79		11.6	0.86		15.6	0.91	
														A28			A38			A48		
51	1.63	1	6	4.2	7.0	X	—	2147	7.13	8.18	1073	4.59	5.03	—	—		10.8	0.85		15.8	0.92	
52	1.63	1	3	4.7	7.8	X	—	2147	8.39	9.54	1073	5.44	5.87	—	—		9.7	0.84		14.8	0.91	
53	1.63	1	3	5.9	9.8	X	—	2147	10.94	12.43	1073	7.40	7.87	—	—		—	—		12.2	0.90	
54	1.63	1	3	7.4	12.2	X	—	—	—	—	1073	9.65	10.22	—	—		—	—		—	—	
55	1.63	1	2	9.2	15.2	X	—	—	—	—	1073	12.07	12.79	—	—		—	—		—	—	
														A24			A28			A32		
56	1.64	1	1	2.6	4.4	X	—	2134	2.77	3.84	1067	1.81	2.60	7.1	0.78		9.1	0.81		11.1	0.84	
57	1.64	1	1	2.9	4.9	X	—	2134	3.42	4.64	1067	2.27	3.09	6.4	0.77		8.5	0.80		10.5	0.83	
58	1.64	1	3	3.2	5.4	X	—	2134	4.31	5.41	1067	2.82	3.57	—	—		7.8	0.80		9.8	0.83	
59	1.64	1	2	3.5	5.9	X	—	2134	5.19	6.14	1067	3.36	4.04	—	—		7.2	0.79		9.2	0.82	
60	1.64	1	2	3.7	6.2	X	—	2134	5.77	6.73	1067	3.72	4.35	—	—		6.8	0.79		8.8	0.82	
														A24			A28			A32		
61	1.64	1	3	4.0	6.7	X	—	2134	6.60	7.61	1067	4.24	4.80	—	—		—	—		8.1	0.81	
62	1.64	1	1	4.3	7.2	X	—	2134	7.39	8.46	1067	4.76	5.25	—	—		—	—		7.5	0.81	
63	1.64	1	1	4.6	7.7	X	—	2134	8.15	9.27	1067	5.27	5.70	—	—		—	—		—	—	
64	1.64	1	3	4.9	8.2	X	—	2134	8.86	10.06	1067	5.78	6.21	—	—		—	—		—	—	
65	1.64	1	1	5.2	8.7	X	X	2134	9.53	10.81	1067	6.27	6.72	—	—		—	—		—	—	
														A28			A37			A45		
66	1.64	1	1	8.7	14.4	X	—	—	—	—	1067	11.43	12.10	—	—		—	—		—	—	
67	1.65	1	1	2.4	4.1	X	—	2121	2.33	3.29	1060	1.55	2.26	9.5	0.81		14.0	0.87		18.0	0.92	
68	1.65	1	1	2.7	4.6	X	—	2121	2.99	4.11	1060	1.94	2.76	8.9	0.81		13.4	0.87		17.4	0.92	
69	1.65	1	2	3.3	5.6	X	X	2121	4.61	5.66	1060	3.00	3.73	7.6	0.80		12.1	0.86		16.1	0.91	
70	1.65	1	3	3.8	6.4	X	X	2121	6.05	7.03	1060	3.89	4.50	—	—		11.1	0.85		15.1	0.91	
														A24			A29			A34		
71	1.65	1	1	3.9	6.6	X	—	2121	6.33	7.32	1060	4.07	4.65	—	—		6.8	0.79		9.3	0.83	
72	1.65	1	1	4.1	6.9	X	—	2121	6.87	7.89	1060	4.42	4.95	—	—		—	—		8.9	0.83	
73	1.65	1	6	4.4	7.4	X	X	2121	7.65	8.73	1060	4.93	5.40	—	—		—	—		8.3	0.82	
74	1.65	1	1	4.7	7.9	X	—	2121	8.39	9.54	1060	5.44	5.87	—	—		—	—		—	—	
75	1.65	1	6	5.6	9.4	X	X	2121	10.37	11.76	1060	6.92	7.38	—	—		—	—		—	—	

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts

Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
A48		**A55**		**A63**		**A70**		**A77**		**A84**		**A91**		**A98**		**A105**		
—	—	12.4	0.91	16.4	0.95	20.0	0.97	23.5	1.00	27.0	1.02	30.5	1.03	34.0	1.06	37.5	1.08	1
18.4	0.93	21.9	0.96	25.9	0.98	29.4	1.00	32.9	1.02	36.4	1.04	39.9	1.05	43.4	1.08	46.9	1.09	2
17.4	0.93	20.9	0.95	24.9	0.98	28.4	1.00	31.9	1.02	35.4	1.03	38.9	1.05	42.4	1.08	45.9	1.09	3
16.0	0.92	19.5	0.95	23.5	0.98	27.0	1.00	30.5	1.02	34.0	1.03	37.5	1.05	41.0	1.08	44.5	1.09	4
14.9	0.92	18.4	0.95	22.4	0.97	26.0	0.99	29.5	1.01	33.0	1.03	36.5	1.05	40.0	1.08	43.5	1.09	5
A52		**A60**		**A68**		**A76**		**A84**		**A92**		**A100**		**A110**		**A120**		
14.9	0.92	18.9	0.96	22.9	0.98	26.9	1.01	30.9	1.03	34.9	1.04	38.9	1.08	43.9	1.09	48.9	1.11	6
14.2	0.92	18.2	0.95	22.2	0.98	26.3	1.00	30.3	1.02	34.3	1.04	38.3	1.07	43.3	1.09	48.3	1.11	7
—	—	13.6	0.93	17.7	0.96	21.7	0.99	25.7	1.01	29.7	1.03	33.8	1.07	38.8	1.09	43.8	1.10	8
21.2	0.95	25.2	0.97	29.2	1.00	33.2	1.02	37.2	1.04	41.2	1.05	45.2	1.09	50.2	1.10	55.2	1.12	9
20.8	0.95	24.8	0.97	28.8	1.00	32.8	1.02	36.8	1.04	40.8	1.05	44.8	1.08	49.8	1.10	54.8	1.12	10
A36		**A40**		**A45**		**A50**		**A55**		**A60**		**A65**		**A70**		**A75**		
11.8	0.86	13.8	0.88	16.3	0.92	18.8	0.94	21.3	0.95	23.8	0.97	26.3	0.99	28.8	1.00	31.3	1.01	11
11.1	0.85	13.1	0.87	15.7	0.91	18.2	0.93	20.7	0.95	23.2	0.97	25.7	0.99	28.2	1.00	30.7	1.01	12
10.7	0.85	12.7	0.87	15.3	0.91	17.8	0.93	20.3	0.95	22.8	0.97	25.3	0.98	27.8	1.00	30.3	1.01	13
10.5	0.85	12.5	0.87	15.0	0.91	17.5	0.93	20.0	0.95	22.5	0.97	25.0	0.98	27.5	1.00	30.0	1.01	14
10.1	0.84	12.1	0.87	14.6	0.91	17.1	0.93	19.6	0.95	22.1	0.97	24.6	0.98	27.1	1.00	29.6	1.01	15
A39		**A44**		**A49**		**A54**		**A59**		**A64**		**A69**		**A74**		**A80**		
11.2	0.86	13.7	0.89	16.2	0.92	18.7	0.94	21.2	0.96	23.7	0.98	26.2	0.99	28.7	1.01	31.8	1.02	16
11.0	0.86	13.5	0.88	16.0	0.92	18.5	0.94	21.0	0.96	23.5	0.98	26.0	0.99	28.5	1.01	31.5	1.02	17
10.1	0.85	12.7	0.88	15.2	0.92	17.7	0.94	20.2	0.96	22.7	0.98	25.2	0.99	27.7	1.00	30.7	1.02	18
8.8	0.84	11.4	0.87	13.9	0.91	16.4	0.93	18.9	0.95	21.4	0.97	23.9	0.99	26.4	1.00	29.5	1.02	19
—	—	10.6	0.86	13.1	0.91	15.6	0.93	18.1	0.95	20.6	0.97	23.1	0.98	25.7	1.00	28.7	1.02	20
A58		**A68**		**A78**		**A88**		**A100**		**A112**		**A120**		**A128**		**A136**		
15.9	0.94	21.0	0.98	26.0	1.01	31.0	1.03	37.0	1.07	43.0	1.09	47.0	1.11	51.0	1.12	55.0	1.13	21
15.3	0.93	20.3	0.97	25.4	1.00	30.4	1.03	36.4	1.07	42.4	1.09	46.4	1.11	50.4	1.12	54.4	1.13	22
14.6	0.93	19.7	0.97	24.7	1.00	29.7	1.03	35.7	1.07	41.8	1.09	45.8	1.11	49.8	1.12	53.8	1.13	23
—	—	16.4	0.95	21.4	0.99	26.5	1.02	32.5	1.06	38.5	1.09	42.5	1.10	46.5	1.11	50.5	1.13	24
—	—	15.1	0.94	20.1	0.98	25.2	1.01	31.2	1.06	37.2	1.08	41.2	1.10	45.2	1.11	49.3	1.12	25
A36		**A40**		**A45**		**A50**		**A55**		**A60**		**A65**		**A70**		**A75**		
13.6	0.86	15.6	0.88	18.1	0.92	20.6	0.94	23.1	0.96	25.6	0.98	28.1	0.99	30.6	1.00	33.1	1.02	26
12.6	0.86	14.6	0.88	17.1	0.92	19.6	0.94	22.1	0.96	24.6	0.97	27.1	0.99	29.6	1.00	32.1	1.02	27
11.5	0.85	13.5	0.88	16.0	0.91	18.6	0.94	21.1	0.95	23.6	0.97	26.1	0.99	28.6	1.00	31.1	1.01	28
10.2	0.84	12.3	0.87	14.8	0.91	17.3	0.93	19.8	0.95	22.3	0.97	24.8	0.98	27.3	1.00	29.8	1.01	29
9.8	0.84	11.9	0.87	14.4	0.91	16.9	0.93	19.4	0.95	21.9	0.97	24.4	0.98	26.9	1.00	29.4	1.01	30
A54		**A63**		**A72**		**A81**		**A90**		**A98**		**A105**		**A112**		**A128**		
17.9	0.94	22.4	0.97	26.9	1.00	31.4	1.02	35.9	1.04	39.9	1.07	43.4	1.09	46.9	1.10	54.9	1.13	31
17.2	0.94	21.7	0.97	26.2	1.00	30.7	1.02	35.3	1.04	39.3	1.07	42.8	1.09	46.3	1.10	54.3	1.12	32
15.1	0.93	19.7	0.96	24.2	0.99	28.7	1.02	33.2	1.04	37.2	1.07	40.7	1.08	44.2	1.10	52.2	1.12	33
—	—	13.9	0.93	18.5	0.97	23.0	1.00	27.5	1.02	31.6	1.06	35.1	1.07	38.6	1.09	46.6	1.11	34
21.3	0.95	25.9	0.98	30.4	1.01	34.9	1.03	39.4	1.05	43.4	1.08	46.9	1.09	50.4	1.10	58.4	1.13	35
A39		**A44**		**A49**		**A54**		**A59**		**A64**		**A69**		**A74**		**A80**		
12.8	0.87	15.3	0.89	17.8	0.93	20.3	0.95	22.8	0.97	25.3	0.98	27.8	1.00	30.3	1.01	33.3	1.03	36
11.5	0.86	14.0	0.89	16.5	0.92	19.0	0.94	21.6	0.96	24.1	0.98	26.6	0.99	29.1	1.01	32.1	1.02	37
10.5	0.85	13.0	0.88	15.5	0.92	18.0	0.94	20.5	0.96	23.0	0.98	25.5	0.99	28.0	1.01	31.0	1.02	38
10.1	0.85	12.6	0.88	15.1	0.92	17.6	0.94	20.1	0.96	22.6	0.97	25.1	0.99	27.6	1.00	30.6	1.02	39
—	—	10.9	0.87	13.4	0.91	15.9	0.93	18.4	0.95	21.0	0.97	23.5	0.99	26.0	1.00	29.0	1.02	40
A46		**A52**		**A58**		**A65**		**A72**		**A79**		**A86**		**A93**		**A100**		
11.6	0.89	14.7	0.92	17.7	0.95	21.2	0.97	24.7	0.99	28.2	1.01	31.7	1.03	35.2	1.05	38.8	1.07	41
11.2	0.89	14.3	0.92	17.3	0.94	20.8	0.97	24.3	0.99	27.8	1.01	31.3	1.03	34.9	1.04	38.4	1.07	42
10.6	0.88	13.6	0.91	16.7	0.94	20.2	0.97	23.7	0.99	27.2	1.01	30.7	1.03	34.2	1.04	37.7	1.07	43
—	—	12.3	0.90	15.4	0.93	18.9	0.96	22.4	0.99	25.9	1.01	29.4	1.02	32.9	1.04	36.5	1.07	44
—	—	11.5	0.90	14.6	0.93	18.1	0.96	21.6	0.98	25.1	1.00	28.6	1.02	32.2	1.04	35.7	1.07	45
A54		**A63**		**A72**		**A81**		**A90**		**A98**		**A105**		**A112**		**A128**		
—	—	13.7	0.93	18.2	0.97	22.8	1.00	27.3	1.02	31.3	1.06	34.8	1.07	38.3	1.09	46.4	1.11	46
21.7	0.95	26.2	0.98	30.7	1.01	35.2	1.03	39.8	1.05	43.8	1.08	47.3	1.09	50.8	1.01	58.8	1.13	47
21.1	0.95	25.6	0.98	30.1	1.01	34.6	1.03	39.1	1.05	43.1	1.08	46.6	1.09	50.1	1.10	58.1	1.13	48
20.5	0.95	25.0	0.98	29.5	1.01	34.0	1.03	38.5	1.05	42.5	1.08	46.0	1.09	49.5	1.10	57.5	1.13	49
20.1	0.95	24.6	0.98	29.1	1.00	33.6	1.03	38.1	1.05	42.1	1.08	45.6	1.09	49.1	1.10	57.1	1.13	50
A58		**A68**		**A78**		**A88**		**A100**		**A112**		**A120**		**A128**		**A136**		
20.8	0.96	25.8	0.99	30.8	1.02	35.8	1.04	41.8	1.08	47.8	1.10	51.8	1.11	55.8	1.13	59.8	1.14	51
19.8	0.95	24.8	0.99	29.8	1.01	34.8	1.04	40.8	1.08	46.8	1.10	50.8	1.11	54.8	1.13	58.8	1.14	52
17.2	0.94	22.2	0.98	27.3	1.01	32.3	1.03	38.3	1.07	44.3	1.10	48.3	1.11	52.3	1.12	56.3	1.13	53
14.1	0.92	19.1	0.97	24.1	1.00	29.2	1.03	35.2	1.07	41.2	1.09	45.2	1.10	49.2	1.12	53.2	1.13	54
—	—	15.2	0.94	20.3	0.98	25.3	1.01	31.4	1.06	37.4	1.08	41.4	1.10	45.4	1.11	49.4	1.12	55
A36		**A40**		**A45**		**A50**		**A55**		**A60**		**A65**		**A70**		**A75**		
13.1	0.86	15.1	0.88	17.6	0.92	20.1	0.94	22.6	0.96	25.1	0.97	27.6	0.99	30.1	1.00	32.6	1.02	56
12.5	0.86	14.5	0.88	17.0	0.92	19.5	0.94	22.0	0.96	24.5	0.97	27.0	0.99	29.5	1.00	32.0	1.01	57
11.8	0.85	13.9	0.88	16.4	0.91	18.9	0.94	21.4	0.95	23.9	0.97	26.4	0.99	28.9	1.00	31.4	1.01	58
11.2	0.85	13.2	0.87	15.7	0.91	18.2	0.93	20.7	0.95	23.2	0.97	25.7	0.98	28.2	1.00	30.7	1.01	59
10.8	0.85	12.8	0.87	15.3	0.91	17.8	0.93	20.3	0.95	22.8	0.97	25.3	0.98	27.9	1.00	30.4	1.01	60
A36		**A40**		**A45**		**A50**		**A55**		**A60**		**A65**		**A70**		**A75**		
10.2	0.84	12.2	0.87	14.7	0.91	17.2	0.93	19.7	0.95	22.2	0.97	24.7	0.98	27.2	1.00	29.7	1.01	61
9.5	0.84	11.5	0.86	14.0	0.90	16.6	0.93	19.1	0.95	21.6	0.96	24.1	0.98	26.6	0.99	29.1	1.01	62
8.9	0.83	10.9	0.86	13.4	0.90	15.9	0.92	18.4	0.94	20.9	0.96	23.4	0.98	25.9	0.99	28.5	1.01	63
8.2	0.82	10.2	0.85	12.8	0.90	15.3	0.92	17.8	0.94	20.3	0.96	22.8	0.98	25.3	0.99	27.8	1.01	64
—	—	9.6	0.85	12.1	0.89	14.6	0.92	17.1	0.94	19.7	0.96	22.2	0.97	24.7	0.99	27.2	1.00	65
A54		**A63**		**A72**		**A81**		**A90**		**A98**		**A105**		**A112**		**A128**		
—	—	13.7	0.93	18.3	0.97	22.8	1.00	27.4	1.02	31.4	1.06	34.9	1.07	38.4	1.08	46.4	1.11	66
22.5	0.96	27.0	0.98	31.5	1.01	36.0	1.03	40.5	1.05	44.5	1.08	48.0	1.09	51.5	1.11	59.5	1.13	67
21.9	0.95	26.4	0.98	30.9	1.01	35.4	1.03	39.9	1.05	43.9	1.08	47.4	1.09	50.9	1.11	58.9	1.13	68
20.6	0.95	25.1	0.98	29.6	1.01	34.1	1.03	38.6	1.05	42.6	1.08	46.1	1.09	49.7	1.10	57.7	1.13	69
19.6	0.95	24.1	0.98	28.6	1.00	33.1	1.03	37.6	1.05	41.6	1.08	45.1	1.09	48.6	1.10	56.6	1.13	70
A39		**A44**		**A49**		**A54**		**A59**		**A64**		**A69**		**A74**		**A80**		
11.8	0.86	14.3	0.89	16.9	0.92	19.4	0.94	21.9	0.96	24.4	0.98	26.9	0.99	29.4	1.01	32.4	1.02	71
11.4	0.86	13.9	0.89	16.5	0.92	19.0	0.94	21.5	0.96	24.0	0.98	26.5	0.99	29.0	1.01	32.0	1.02	72
10.8	0.85	13.3	0.88	15.8	0.92	18.3	0.94	20.8	0.96	23.3	0.98	25.8	0.99	28.3	1.01	31.4	1.02	73
10.1	0.85	12.7	0.88	15.2	0.92	17.7	0.94	20.2	0.96	22.7	0.97	25.2	0.99	27.7	1.00	30.0	1.02	74
—	—	10.7	0.86	13.2	0.91	15.8	0.93	18.3	0.95	20.8	0.97	23.3	0.98	25.8	1.00	28.8	1.01	75

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves		Datum Diameter		Type		Nominal Driven Speeds and Horsepower per Belt						Center Distance in Inches and "F" Factor for Browning Belts					
								3500 RPM Driver			1750 RPM Driver			Belt No.		Belt No.		Belt No.	
								Nominal Driven Speed	HP per Belt		Nominal Driven Speed	HP Per Belt							
		Min	Max	Driver	Driven	Fix.	Fix.		Super	Gripnotch		Super	Gripnotch	C.D.	F	C.D.	F	C.D.	F
														A28		A36		A44	
1	1.65	1	1	5.8	9.7	X	—	2121	10.75	12.21	1060	7.24	7.71	—	—	—	—	10.3	0.86
2	1.65	1	1	6.4	10.7	X	—	2121	11.78	13.46	1060	8.17	8.67	—	—	—	—	—	—
3	1.65	1	3	6.7	11.2	X	X	2121	12.22	14.03	1060	8.63	9.15	—	—	—	—	—	—
4	1.65	1	1	7.0	11.7	X	X	—	—	—	1060	9.07	9.61	—	—	—	—	—	—
5	1.65	1	1	7.9	13.2	X	—	—	—	—	1060	10.36	10.96	—	—	—	—	—	—
														A24		A28		A32	
6	1.66	1	1	2.8	4.8	X	X	2108	3.21	4.38	1054	2.09	2.93	6.6	0.77	8.6	0.81	10.6	0.83
7	1.66	1	3	3.4	5.8	X	—	2108	4.90	5.90	1054	3.18	3.89	—	—	7.3	0.79	9.4	0.82
8	1.66	1	3	4.0	6.8	X	—	2108	6.60	7.61	1054	4.24	4.80	—	—	—	—	8.1	0.81
9	1.66	1	6	4.6	7.8	X	—	2108	8.15	9.27	1054	5.27	5.70	—	—	—	—	—	—
10	1.66	1	6	5.2	8.8	X	X	2108	9.53	10.81	1054	6.27	6.72	—	—	—	—	—	—
														A26		A33		A40	
11	1.66	1	6	5.8	9.8	X	—	2108	10.75	12.21	1054	7.24	7.71	—	—	—	—	—	—
12	1.66	1	10	7.0	11.8	X	X	—	—	—	1054	9.07	9.61	—	—	—	—	—	—
13	1.67	1	1	2.9	5.0	X	—	2095	3.43	4.64	1047	2.27	3.09	7.4	0.79	10.9	0.84	14.4	0.88
14	1.67	1	2	3.5	6.0	X	—	2095	5.19	6.14	1047	3.36	4.04	—	—	9.6	0.83	13.1	0.87
15	1.67	1	1	4.1	7.0	X	—	2095	6.87	7.89	1047	4.42	4.95	—	—	8.3	0.82	11.8	0.86
														A26		A33		A40	
16	1.67	1	3	5.4	9.2	X	—	2095	9.96	11.29	1047	6.60	7.05	—	—	—	—	9.0	0.84
17	1.67	1	1	5.7	9.7	X	X	2095	10.56	11.99	1047	7.08	7.55	—	—	—	—	—	—
18	1.67	1	6	6.0	10.2	X	X	2095	11.11	12.65	1047	7.55	8.03	—	—	—	—	—	—
19	1.67	1	3	6.6	11.2	X	—	2095	12.08	13.85	1047	8.48	8.99	—	—	—	—	—	—
20	1.67	1	1	6.9	11.7	X	—	—	—	—	1047	8.93	9.46	—	—	—	—	—	—
														A28		A36		A44	
21	1.67	1	3	7.2	12.2	X	—	—	—	—	1047	9.37	9.92	—	—	—	—	—	—
22	1.67	1	10	7.8	13.2	X	—	—	—	—	1047	10.22	10.81	—	—	—	—	—	—
23	1.68	1	1	2.7	4.7	X	—	2083	3.00	4.11	1041	1.94	2.76	8.8	0.81	12.8	0.86	16.8	0.90
24	1.68	1	3	3.0	5.2	X	X	2083	3.69	4.90	1041	2.46	3.25	8.1	0.80	12.2	0.85	16.2	0.90
25	1.68	1	2	3.3	5.7	X	X	2083	4.61	5.66	1041	3.00	3.73	7.5	0.79	11.5	0.85	15.5	0.89
														A24		A28		A32	
26	1.68	1	3	3.6	6.2	X	X	2083	5.48	6.43	1041	3.54	4.20	—	—	6.8	0.78	8.9	0.82
27	1.68	1	1	3.9	6.7	X	—	2083	6.33	7.32	1041	4.07	4.65	—	—	—	—	8.2	0.81
28	1.68	1	6	4.2	7.2	X	—	2083	7.13	8.18	1041	4.59	5.10	—	—	—	—	7.6	0.80
29	1.68	1	1	4.3	7.4	X	—	2083	7.39	8.46	1041	4.76	5.25	—	—	—	—	—	—
30	1.68	1	1	4.6	7.9	X	—	2083	8.15	9.27	1041	5.27	5.70	—	—	—	—	—	—
														A24		A28		A32	
31	1.68	1	6	4.8	8.2	X	—	2083	8.63	9.80	1041	5.61	6.04	—	—	—	—	—	—
32	1.69	1	1	2.4	4.2	X	—	2071	2.33	3.29	1035	1.55	2.26	7.4	0.78	9.4	0.81	11.4	0.84
33	1.69	1	2	3.1	5.4	X	—	2071	4.00	5.16	1035	2.64	3.41	5.9	0.76	7.9	0.80	9.9	0.83
34	1.69	1	3	3.4	5.9	X	—	2071	4.90	5.90	1035	3.18	3.89	—	—	7.2	0.79	9.3	0.82
35	1.69	1	2	3.7	6.4	X	—	2071	5.77	6.73	1035	3.72	4.35	—	—	6.6	0.78	8.6	0.82
														A28		A36		A44	
36	1.69	1	3	4.0	6.9	X	—	2071	6.60	7.61	1035	4.24	4.80	—	—	10.0	0.84	14.0	0.88
37	1.69	1	6	4.4	7.6	X	X	2071	7.65	8.73	1035	4.93	5.40	—	—	9.1	0.83	13.1	0.88
38	1.69	1	3	5.7	9.8	X	X	2071	10.56	11.99	1035	7.08	7.55	—	—	—	—	10.3	0.86
39	1.69	1	3	6.9	11.8	X	—	—	—	—	1035	8.93	9.46	—	—	—	—	—	—
40	1.69	1	1	7.7	13.2	X	—	—	—	—	1035	10.08	10.67	—	—	—	—	—	—
														A24		A29		A34	
41	1.70	1	1	2.8	4.9	X	X	2058	3.22	4.38	1029	2.09	2.93	6.5	0.77	9.0	0.81	11.6	0.84
42	1.70	1	3	3.2	5.6	X	—	2058	4.31	5.41	1029	2.82	3.57	—	—	8.2	0.80	10.7	0.84
43	1.70	1	3	3.8	6.6	X	X	2058	6.05	7.03	1029	3.89	4.50	—	—	6.8	0.79	9.4	0.83
44	1.70	1	1	3.9	6.8	X	—	2058	6.33	7.32	1029	4.07	4.65	—	—	—	—	9.1	0.83
45	1.70	1	1	5.6	9.7	X	X	2058	10.37	11.76	1029	6.92	7.38	—	—	—	—	—	—
														A26		A32		A38	
46	1.70	1	3	5.9	10.2	X	—	2058	10.94	12.43	1029	7.40	7.87	—	—	—	—	—	—
47	1.70	1	1	6.2	10.7	X	X	2058	11.46	13.06	1029	7.86	8.36	—	—	—	—	—	—
48	1.70	1	1	6.8	11.7	X	—	2058	12.36	14.21	1029	8.78	9.30	—	—	—	—	—	—
49	1.71	1	1	2.6	4.6	X	—	2046	2.78	3.84	1023	1.82	2.60	7.9	0.79	11.0	0.83	14.0	0.87
50	1.71	1	2	3.3	5.8	X	X	2046	4.61	5.66	1023	3.00	3.73	6.4	0.77	9.4	0.82	12.4	0.86
														A24		A29		A34	
51	1.71	1	3	4.0	7.0	X	—	2046	6.60	7.61	1023	4.24	4.80	—	—	—	—	8.9	0.82
52	1.71	1	1	4.4	7.7	X	X	2046	7.65	8.73	1023	4.93	5.40	—	—	—	—	8.0	0.81
53	1.71	1	3	4.7	8.2	X	—	2046	8.39	9.54	1023	5.44	5.87	—	—	—	—	—	—
54	1.71	1	1	5.0	8.7	X	X	2046	9.09	10.31	1023	5.94	6.38	—	—	—	—	—	—
55	1.71	1	6	5.4	9.4	X	—	2046	9.96	11.29	1023	6.60	7.05	—	—	—	—	—	—
														A28		A38		A48	
56	1.71	1	10	6.8	11.8	X	—	2046	12.36	14.21	1023	8.78	9.30	—	—	—	—	—	—
57	1.71	1	10	7.6	13.2	X	—	—	—	—	1023	9.94	10.52	—	—	—	—	—	—
58	1.71	1	3	8.2	14.2	X	—	—	—	—	1023	10.77	11.40	—	—	—	—	—	—
59	1.71	1	2	8.8	15.2	X	—	—	—	—	1023	11.56	12.24	—	—	—	—	—	—
60	1.72	1	1	2.7	4.8	X	—	2034	3.00	4.11	1017	1.95	2.76	8.7	0.80	13.7	0.87	18.7	0.93
														A24		A28		A32	
61	1.72	1	3	3.4	6.0	X	—	2034	4.90	5.90	1017	3.18	3.89	—	—	7.2	0.79	9.2	0.82
62	1.72	1	2	3.5	6.2	X	—	2034	5.19	6.14	1017	3.36	4.04	—	—	6.9	0.78	8.9	0.82
63	1.72	1	3	3.8	6.7	X	X	2034	6.05	7.03	1017	3.89	4.50	—	—	—	—	8.3	0.81
64	1.72	1	1	4.1	7.2	X	—	2034	6.87	7.89	1017	4.42	4.95	—	—	—	—	7.6	0.80
65	1.72	1	6	4.2	7.4	X	—	2034	7.13	8.18	1017	4.59	5.10	—	—	—	—	7.4	0.80
														A26		A33		A40	
66	1.72	1	6	5.6	9.8	X	X	2034	10.37	11.76	1017	6.92	7.38	—	—	—	—	—	—
67	1.72	1	3	6.4	11.2	X	—	2034	11.78	13.46	1017	8.17	8.67	—	—	—	—	—	—
68	1.72	1	1	6.7	11.7	X	X	2034	12.22	14.03	1017	8.63	9.15	—	—	—	—	—	—
69	1.72	1	3	7.0	12.2	X	X	—	—	—	1017	9.07	9.61	—	—	—	—	—	—
70	1.73	1	1	2.4	4.3	X	—	2023	2.34	3.29	1011	1.55	2.26	8.3	0.79	11.9	0.84	15.4	0.88
														A24		A28		A32	
71	1.73	1	1	2.8	5.0	X	X	2023	3.22	4.38	1011	2.09	2.93	6.4	0.76	8.5	0.80	10.5	0.83
72	1.73	1	3	3.2	5.7	X	—	2023	4.31	5.41	1011	2.82	3.57	—	—	7.6	0.79	9.6	0.82
73	1.73	1	3	3.6	6.4	X	X	2023	5.48	6.43	1011	3.54	4.20	—	—	6.7	0.78	8.7	0.81
74	1.73	1	1	3.9	6.9	X	—	2023	6.33	7.32	1011	4.07	4.65	—	—	—	—	8.0	0.81
75	1.73	1	1	4.3	7.6	X	—	2023	7.39	8.46	1011	4.76	5.25	—	—	—	—	—	—

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts

Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
A52		A60		A68		A76		A84		A92		A100		A110		A120		
14.4	0.92	18.4	0.95	22.4	0.98	26.4	1.00	30.4	1.02	34.4	1.04	38.4	1.07	43.4	1.09	48.4	1.11	1
13.0	0.91	17.1	0.94	21.1	0.97	25.1	1.00	29.1	1.02	33.2	1.04	37.2	1.07	42.2	1.09	47.2	1.11	2
12.4	0.90	16.4	0.94	20.5	0.97	24.5	1.00	28.5	1.02	32.5	1.04	36.5	1.07	41.5	1.09	46.5	1.11	3
11.7	0.90	15.8	0.94	19.8	0.97	23.9	0.99	27.9	1.02	31.9	1.04	35.9	1.07	40.9	1.09	45.9	1.11	4
—	—	13.8	0.92	17.9	0.96	21.9	0.99	26.0	1.01	30.0	1.03	34.0	1.06	39.0	1.08	44.0	1.10	5
A36		A40		A45		A50		A55		A60		A65		A70		A75		
12.6	0.86	14.6	0.88	17.2	0.92	19.7	0.94	22.2	0.96	24.7	0.97	27.2	0.99	29.7	1.00	32.2	1.01	6
11.4	0.85	13.4	0.87	15.9	0.91	18.4	0.93	20.9	0.95	23.4	0.97	25.9	0.98	28.4	1.00	30.9	1.01	7
10.1	0.84	12.1	0.86	14.6	0.91	17.1	0.93	19.6	0.95	22.1	0.97	24.6	0.98	27.1	1.00	29.6	1.01	8
8.8	0.83	10.8	0.86	13.3	0.90	15.8	0.92	18.3	0.94	20.9	0.96	23.4	0.98	25.9	0.99	28.4	1.01	9
—	—	9.5	0.84	12.0	0.89	14.5	0.91	17.1	0.94	19.6	0.96	22.1	0.97	24.6	0.99	27.1	1.00	10
A46		A52		A58		A65		A72		A79		A86		A93		A100		
11.2	0.88	14.3	0.92	17.3	0.94	20.8	0.97	24.3	0.99	27.8	1.01	31.3	1.03	34.8	1.04	38.4	1.07	11
—	—	11.6	0.90	14.7	0.93	18.2	0.96	21.8	0.98	25.3	1.00	28.8	1.02	32.3	1.04	35.8	1.07	12
17.4	0.92	20.4	0.94	23.4	0.97	26.9	0.99	30.4	1.01	33.9	1.02	37.4	1.04	40.9	1.05	44.4	1.08	13
16.1	0.91	19.2	0.94	22.2	0.96	25.7	0.98	29.2	1.00	32.7	1.02	36.2	1.04	39.7	1.05	43.2	1.08	14
14.9	0.91	17.9	0.93	20.9	0.96	24.4	0.98	27.9	1.00	31.4	1.02	34.9	1.04	38.4	1.05	41.9	1.08	15
A46		A52		A58		A65		A72		A79		A86		A93		A100		
12.0	0.89	15.1	0.92	18.1	0.95	21.6	0.97	25.1	0.99	28.6	1.01	32.1	1.03	35.6	1.05	39.1	1.07	16
11.4	0.88	14.4	0.92	17.4	0.94	21.0	0.97	24.5	0.99	28.0	1.01	31.5	1.03	35.0	1.04	38.5	1.07	17
10.7	0.88	13.8	0.91	16.8	0.94	20.3	0.97	23.8	0.99	27.4	1.01	30.9	1.03	34.4	1.04	37.9	1.07	18
—	—	12.5	0.90	15.5	0.93	19.0	0.96	22.6	0.98	26.1	1.00	29.6	1.02	33.1	1.04	36.6	1.07	19
—	—	11.8	0.90	14.9	0.93	18.4	0.96	21.9	0.98	25.4	1.00	28.9	1.02	32.5	1.04	36.0	1.07	20
A52		A60		A68		A76		A84		A92		A100		A110		A120		
—	—	15.2	0.93	19.3	0.96	23.3	0.99	27.3	1.01	31.3	1.03	35.3	1.07	40.3	1.09	45.4	1.10	21
—	—	13.9	0.92	18.0	0.96	22.0	0.99	26.0	1.01	30.0	1.03	34.1	1.06	39.1	1.08	44.1	1.10	22
20.8	0.95	24.8	0.97	28.8	1.00	32.8	1.02	36.8	1.04	40.8	1.05	44.8	1.08	49.8	1.10	54.8	1.12	23
20.2	0.94	24.2	0.97	28.2	1.00	32.2	1.02	36.2	1.04	40.2	1.05	44.2	1.08	49.2	1.10	54.2	1.12	24
19.5	0.94	23.6	0.97	27.6	0.99	31.6	1.01	35.6	1.03	39.6	1.05	43.6	1.08	48.6	1.10	53.6	1.12	25
A36		A40		A45		A50		A55		A60		A65		A70		A75		
10.9	0.85	12.9	0.87	15.4	0.91	17.9	0.93	20.4	0.95	22.9	0.97	25.4	0.98	27.9	1.00	30.4	1.01	26
10.2	0.84	12.2	0.87	14.8	0.91	17.3	0.93	19.8	0.95	22.3	0.97	24.8	0.98	27.3	1.00	29.8	1.01	27
9.6	0.84	11.6	0.86	14.1	0.90	16.6	0.93	19.1	0.95	21.6	0.96	24.2	0.98	26.7	0.99	29.2	1.01	28
9.3	0.83	11.4	0.86	13.9	0.90	16.4	0.92	18.9	0.94	21.4	0.96	23.9	0.98	26.4	0.99	28.9	1.01	29
8.7	0.83	10.7	0.85	13.2	0.90	15.8	0.92	18.3	0.94	20.8	0.96	23.3	0.98	25.8	0.99	28.3	1.01	30
A36		A40		A45		A50		A55		A60		A65		A70		A75		
8.3	0.82	10.3	0.85	12.8	0.89	15.4	0.92	17.9	0.94	20.4	0.96	22.9	0.98	25.4	0.99	27.9	1.00	31
13.4	0.86	15.4	0.88	17.9	0.92	20.4	0.94	23.0	0.96	25.5	0.97	28.0	0.99	30.5	1.00	33.0	1.02	32
11.9	0.85	13.9	0.87	16.4	0.91	18.9	0.93	21.4	0.95	23.9	0.97	26.5	0.99	29.0	1.00	31.5	1.01	33
11.3	0.85	13.3	0.87	15.8	0.91	18.3	0.93	20.8	0.95	23.3	0.97	25.8	0.98	28.3	1.00	30.8	1.01	34
10.6	0.84	12.6	0.87	15.2	0.91	17.7	0.93	20.2	0.95	22.7	0.97	25.2	0.98	27.7	1.00	30.2	1.01	35
A52		A60		A68		A76		A84		A92		A100		A110		A120		
18.0	0.94	22.0	0.96	26.1	0.99	30.1	1.01	34.1	1.03	38.1	1.05	42.1	1.08	47.1	1.10	52.1	1.11	36
17.2	0.93	21.2	0.96	25.2	0.99	29.2	1.01	33.2	1.03	37.2	1.05	41.2	1.08	46.2	1.10	51.2	1.11	37
14.3	0.92	18.4	0.95	22.4	0.98	26.4	1.00	30.4	1.02	34.4	1.04	38.4	1.07	43.4	1.09	48.4	1.11	38
11.7	0.89	15.8	0.94	19.8	0.97	23.8	0.99	27.9	1.02	31.9	1.03	35.9	1.07	40.9	1.09	45.9	1.10	39
—	—	14.0	0.92	18.0	0.96	22.1	0.99	26.1	1.01	30.1	1.03	34.1	1.06	39.1	1.08	44.2	1.10	40
A39		A44		A49		A54		A59		A64		A69		A74		A80		
14.1	0.87	16.6	0.90	19.1	0.93	21.6	0.95	24.1	0.97	26.6	0.98	29.1	1.00	31.6	1.01	34.6	1.03	41
13.2	0.87	15.7	0.89	18.2	0.93	20.7	0.95	23.2	0.97	25.7	0.98	28.2	1.00	30.7	1.01	33.7	1.02	42
11.9	0.86	14.4	0.89	16.9	0.92	19.4	0.94	21.9	0.96	24.4	0.98	26.9	0.99	29.5	1.01	32.5	1.02	43
11.7	0.86	14.2	0.89	16.7	0.92	19.2	0.94	21.7	0.96	24.2	0.98	26.7	0.99	29.2	1.01	32.2	1.02	44
—	—	10.4	0.86	13.0	0.90	15.5	0.92	18.0	0.95	20.5	0.96	23.0	0.98	25.6	1.00	28.6	1.01	45
A44		A50		A56		A62		A68		A74		A81		A88		A95		
9.8	0.85	12.8	0.90	15.9	0.93	18.9	0.95	21.9	0.98	24.9	0.99	28.4	1.01	31.9	1.03	35.4	1.05	46
—	—	12.2	0.90	15.2	0.93	18.2	0.95	21.3	0.97	24.3	0.99	27.8	1.01	31.3	1.03	34.8	1.04	47
—	—	10.9	0.88	13.9	0.92	17.0	0.94	20.0	0.97	23.0	0.99	26.5	1.01	30.0	1.03	33.2	1.04	48
17.0	0.90	20.0	0.94	23.0	0.96	26.0	0.98	29.0	1.00	32.0	1.01	35.5	1.03	39.0	1.05	42.5	1.06	49
15.5	0.89	18.5	0.93	21.5	0.95	24.5	0.97	27.5	0.99	30.5	1.01	34.0	1.03	37.5	1.04	41.0	1.06	50
A39		A44		A49		A54		A59		A64		A69		A74		A80		
11.4	0.86	13.9	0.88	16.4	0.92	19.0	0.94	21.5	0.96	24.0	0.98	26.5	0.99	29.0	1.01	32.0	1.02	51
10.5	0.85	13.0	0.88	15.6	0.92	18.1	0.94	20.6	0.96	23.1	0.97	25.6	0.99	28.1	1.00	31.1	1.02	52
9.9	0.84	12.4	0.87	14.9	0.91	17.4	0.94	19.9	0.95	22.5	0.97	25.0	0.99	27.5	1.00	30.5	1.02	53
9.2	0.84	11.7	0.87	14.3	0.91	16.8	0.93	19.3	0.95	21.8	0.97	24.3	0.99	26.8	1.00	29.8	1.02	54
—	—	10.8	0.86	13.4	0.90	15.9	0.93	18.4	0.95	20.9	0.97	23.4	0.98	26.0	1.00	29.0	1.01	55
A58		A68		A78		A88		A100		A112		A120		A128		A136		
14.8	0.93	19.9	0.97	24.9	1.00	29.9	1.02	36.0	1.07	42.0	1.09	46.0	1.10	50.0	1.12	54.0	1.13	56
13.0	0.91	18.1	0.96	23.2	0.99	28.2	1.02	34.2	1.06	40.2	1.09	44.2	1.10	48.2	1.11	52.2	1.13	57
—	—	16.8	0.95	21.9	0.99	26.9	1.02	32.9	1.06	39.0	1.08	43.0	1.10	47.0	1.11	51.0	1.12	58
—	—	15.5	0.94	20.6	0.98	25.6	1.01	31.6	1.06	37.7	1.08	41.7	1.10	45.7	1.11	49.7	1.12	59
23.7	0.97	28.7	1.00	33.7	1.02	38.7	1.04	44.8	1.08	50.8	1.10	54.8	1.12	58.8	1.13	62.8	1.14	60
A36		A40		A45		A50		A55		A60		A65		A70		A75		
11.2	0.85	13.2	0.87	15.7	0.91	18.2	0.93	20.7	0.95	23.2	0.97	25.7	0.98	28.2	1.00	30.7	1.01	61
11.0	0.85	13.0	0.87	15.5	0.91	18.0	0.93	20.5	0.95	23.0	0.97	25.5	0.98	28.0	1.00	30.5	1.01	62
10.3	0.84	12.3	0.86	14.8	0.90	17.3	0.93	19.9	0.95	22.4	0.96	24.9	0.98	27.4	1.00	29.9	1.01	63
9.7	0.83	11.7	0.86	14.2	0.90	16.7	0.92	19.2	0.94	21.7	0.96	24.2	0.99	26.7	0.99	29.2	1.01	64
9.4	0.83	11.4	0.86	14.0	0.90	16.5	0.92	19.0	0.94	21.5	0.96	24.0	0.98	26.5	0.99	29.0	1.01	65
A46		A52		A58		A65		A72		A79		A86		A93		A100		
11.4	0.88	14.4	0.91	17.4	0.94	21.0	0.97	24.5	0.99	28.0	1.01	31.5	1.03	35.0	1.04	38.5	1.07	66
—	—	12.6	0.90	15.7	0.93	19.2	0.96	22.7	0.98	26.2	1.00	29.7	1.02	33.2	1.04	36.8	1.07	67
—	—	11.9	0.89	15.0	0.93	18.5	0.96	22.1	0.98	25.6	1.00	29.1	1.02	32.6	1.04	36.1	1.07	68
—	—	11.3	0.89	14.3	0.92	17.9	0.95	21.4	0.98	24.9	1.00	28.5	1.02	32.0	1.04	35.5	1.07	69
18.4	0.92	21.4	0.95	24.4	0.97	27.9	0.99	31.4	1.01	34.9	1.03	38.4	1.04	41.9	1.06	45.4	1.08	70
A36		A40		A45		A50		A55		A60		A65		A70		A75		
12.5	0.86	14.5	0.88	17.0	0.92	19.5	0.94	22.0	0.95	24.5	0.97	27.0	0.99	29.5	1.00	32.0	1.01	71
11.6	0.85	13.6	0.87	16.1	0.91	18.6	0.93	21.1	0.95	23.6	0.97	26.1	0.98	28.6	1.00	31.1	1.01	72
10.7	0.84	12.7	0.87	15.2	0.91	17.7	0.93	20.3	0.95	22.8	0.97	25.3	0.98	27.8	1.00	30.3	1.01	73
10.1	0.84	12.1	0.86	14.6	0.90	17.1	0.93	19.6	0.95	22.1	0.96	24.6	0.98	27.1	0.99	29.6	1.01	74
9.2	0.83	11.2	0.86	13.7	0.90	16.2	0.92	18.7	0.94	21.2	0.96	23.8	0.98	26.3	0.99	28.8	1.01	75

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Datum Diameter Driver	Datum Diameter Driven	Type Fix.	Type Var.	Nominal Driven Speeds and Horsepower per Belt — 3500 RPM Driver: Nominal Driven Speed	HP per Belt Super	HP per Belt Gripnotch	1750 RPM Driver: Nominal Driven Speed	HP per Belt Super	HP per Belt Gripnotch	Center Distance in Inches and "F" Factor for Browning Belts: Belt No.	C.D.	F	Belt No.	C.D.	F	Belt No.	C.D.	F
														A28			A37			A45		
1	1.73	1	6	4.4	7.8	X	X	2023	7.65	8.73	1011	4.93	5.40	—	—		9.4	0.83		13.5	0.90	
2	1.73	1	6	5.0	8.8	X	X	2023	9.09	10.31	1011	5.94	6.38	—	—		—	—		12.2	0.89	
3	1.73	1	6	5.8	10.2	X	—	2023	10.75	12.21	1011	7.24	7.71	—	—		—	—		10.4	0.87	
4	1.73	1	3	6.7	11.8	X	X	2023	12.22	14.03	1011	8.63	9.15	—	—		—	—		—	—	
5	1.73	1	10	8.2	14.4	X	—	—	—	—	1011	10.77	11.40	—	—		—	—		—	—	
														A28			A38			A48		
6	1.73	1	1	8.7	15.2	X	—	—	—	—	1011	11.43	12.10	—	—		—	—		—	—	
7	1.74	1	1	2.9	5.2	X	—	2011	3.43	4.64	1005	2.27	3.09	8.2	0.80		13.2	0.86		18.3	0.93	
8	1.74	1	2	3.3	5.9	X	X	2011	4.61	5.66	1005	3.00	3.73	7.3	0.79		12.4	0.86		17.4	0.92	
9	1.74	1	2	3.7	6.6	X	—	2011	5.77	6.73	1005	3.72	4.35	—	—		11.5	0.85		16.5	0.92	
10	1.74	1	1	4.9	8.7	X	—	2011	8.86	10.06	1005	5.78	6.21	—	—		8.8	0.83		13.8	0.92	
														A26			A33			A40		
11	1.74	1	3	5.2	9.2	X	X	2011	9.53	10.81	1005	6.27	6.72	—	—		—	—		9.1	0.83	
12	1.74	1	3	6.9	12.2	X	—	—	—	—	1005	8.93	9.46	—	—		—	—		—	—	
13	1.75	1	1	2.6	4.7	X	—	2000	2.79	3.84	1000	1.82	2.60	7.8	0.79		11.4	0.84		14.9	0.88	
14	1.75	1	1	2.7	4.9	X	—	2000	3.01	4.11	1000	1.95	2.76	7.6	0.79		11.1	0.84		14.6	0.88	
15	1.75	1	3	3.0	5.4	X	X	2000	3.69	4.90	1000	2.46	3.25	7.0	0.78		10.5	0.83		14.0	0.87	
														A24			A28			A32		
16	1.75	1	2	3.1	5.6	X	—	2000	4.00	5.16	1000	2.64	3.41	—	—		7.7	0.79		9.7	0.82	
17	1.75	1	3	3.8	6.8	X	X	2000	6.05	7.03	1000	3.89	4.50	—	—		—	—		8.2	0.81	
18	1.75	1	1	3.9	7.0	X	—	2000	6.33	7.32	1000	4.07	4.65	—	—		—	—		7.9	0.80	
19	1.75	1	1	4.3	7.7	X	—	2000	7.39	8.46	1000	4.76	5.25	—	—		—	—		—	—	
20	1.75	1	6	4.6	8.2	X	—	2000	8.15	9.27	1000	5.27	5.70	—	—		—	—		—	—	
														A26			A32			A38		
21	1.75	1	1	6.0	10.7	X	X	2000	11.11	12.65	1000	7.55	8.03	—	—		—	—		—	—	
22	1.75	1	1	6.6	11.7	X	—	2000	12.08	13.85	1000	8.48	8.99	—	—		—	—		—	—	
23	1.76	1	1	2.4	4.4	X	—	1988	2.34	3.29	994	1.56	2.26	8.3	0.79		11.3	0.84		14.3	0.87	
24	1.76	1	3	3.2	5.8	X	—	1988	4.31	5.41	994	2.82	3.57	6.5	0.77		9.5	0.82		12.5	0.86	
25	1.76	1	2	3.7	6.7	X	—	1988	5.77	6.73	994	3.72	4.35	—	—		8.4	0.81		11.4	0.85	
														A24			A29			A34		
26	1.76	1	3	4.0	7.2	X	—	1988	6.60	7.61	994	4.24	4.80	—	—		—	—		8.7	0.82	
27	1.76	1	1	4.1	7.4	X	—	1988	6.87	7.89	994	4.42	4.95	—	—		—	—		8.5	0.81	
28	1.76	1	1	4.4	7.9	X	X	1988	7.65	8.73	994	4.93	5.40	—	—		—	—		7.8	0.81	
29	1.76	1	3	4.9	8.8	X	—	1988	8.86	10.06	994	5.78	6.21	—	—		—	—		—	—	
30	1.76	1	1	5.4	9.7	X	—	1988	9.96	11.29	994	6.60	7.05	—	—		—	—		—	—	
														A28			A36			A44		
31	1.76	1	3	5.7	10.2	X	X	1988	10.56	11.99	994	7.08	7.55	—	—		—	—		9.9	0.85	
32	1.76	1	10	6.6	11.8	X	—	1988	12.08	13.85	994	8.48	8.99	—	—		—	—		—	—	
33	1.76	1	10	7.4	13.2	X	—	—	—	—	994	9.65	10.22	—	—		—	—		—	—	
34	1.77	1	2	3.3	6.0	X	X	1977	4.61	5.66	988	3.00	3.73	7.2	0.79		11.3	0.85		15.3	0.89	
35	1.77	1	3	3.4	6.2	X	—	1977	4.90	5.90	988	3.18	3.89	7.0	0.78		11.0	0.84		15.0	0.89	
														A26			A33			A40		
36	1.77	1	3	3.8	6.9	X	X	1977	6.05	7.03	988	3.89	4.50	—	—		8.6	0.81		12.2	0.86	
37	1.77	1	6	4.2	7.6	X	—	1977	7.13	8.18	988	4.59	5.10	—	—		7.7	0.80		11.3	0.85	
38	1.77	1	1	4.3	7.8	X	—	1977	7.39	8.46	988	4.76	5.25	—	—		—	—		11.0	0.85	
39	1.77	1	6	5.2	9.4	X	X	1977	9.53	10.81	988	6.27	6.72	—	—		—	—		8.9	0.83	
40	1.77	1	3	6.8	12.2	X	—	1977	12.36	14.21	988	8.78	9.30	—	—		—	—		—	—	
														A28			A36			A44		
41	1.77	1	1	7.9	14.2	X	—	—	—	—	988	10.36	10.96	—	—		—	—		—	—	
42	1.78	1	1	2.6	4.8	X	—	1966	2.79	3.84	983	1.82	2.60	8.8	0.80		12.8	0.86		16.8	0.90	
43	1.78	1	2	3.1	5.7	X	—	1966	4.00	5.16	983	2.64	3.41	7.6	0.79		11.7	0.85		15.7	0.89	
44	1.78	1	2	3.5	6.4	X	—	1966	5.19	6.14	983	3.36	4.04	6.7	0.78		10.8	0.84		14.8	0.89	
45	1.78	1	3	3.6	6.6	X	X	1966	5.48	6.43	983	3.54	4.20	—	—		10.5	0.84		14.6	0.88	
														A24			A30			A36		
46	1.78	1	1	4.8	8.7	X	—	1966	8.63	9.80	983	5.61	6.04	—	—		—	—		—	—	
47	1.78	1	6	5.4	9.8	X	—	1966	9.96	11.29	983	6.60	7.05	—	—		—	——		—	—	
48	1.78	1	1	5.9	10.7	X	—	1966	10.94	12.43	983	7.40	7.87	—	—		—	—		—	—	
49	1.78	1	3	6.2	11.2	X	X	1966	11.46	13.06	983	7.86	8.36	—	—		—	—		—	—	
50	1.79	1	1	2.7	5.0	X	—	1955	3.01	4.11	977	1.95	2.76	6.5	0.76		9.5	0.82		12.6	0.85	
														A26			A33			A40		
51	1.79	1	3	3.2	5.9	X	—	1955	4.31	5.41	977	2.82	3.57	6.4	0.77		9.9	0.83		13.4	0.87	
52	1.79	1	2	3.7	6.8	X	—	1955	5.77	6.73	977	3.72	4.35	—	—		8.8	0.82		12.3	0.86	
53	1.79	1	1	4.2	7.7	X	—	1955	7.13	8.18	977	4.59	5.10	—	—		7.6	0.80		11.2	0.85	
54	1.79	1	6	5.6	10.2	X	X	1955	10.37	11.76	977	6.92	7.38	—	—		—	—		—	—	
55	1.79	1	3	6.7	12.2	X	X	1955	12.22	14.03	977	8.63	9.15	—	—		—	—		—	—	
														A24			A28			A32		
56	1.80	1	1	2.8	5.2	X	X	1944	3.23	4.38	972	2.09	2.93	6.3	0.76		8.3	0.80		10.3	0.83	
57	1.80	1	1	2.9	5.4	X	—	1944	3.44	4.64	972	2.27	3.09	6.0	0.75		8.0	0.79		10.1	0.83	
58	1.80	1	3	3.8	7.0	X	X	1944	6.05	7.03	972	3.89	4.50	—	—		—	—		8.0	0.80	
59	1.80	1	1	3.9	7.2	X	—	1944	6.33	7.32	972	4.07	4.65	—	—		—	—		7.8	0.80	
60	1.80	1	3	4.0	7.4	X	—	1944	6.60	7.61	972	4.24	4.80	—	—		—	—		7.5	0.80	
														A28			A36			A44		
61	1.80	1	1	4.3	7.9	X	—	1944	7.39	8.46	972	4.76	5.25	—	—		8.9	0.82		12.9	0.87	
62	1.80	1	6	4.8	8.8	X	—	1944	8.63	9.80	972	5.61	6.04	—	—		—	—		11.8	0.86	
63	1.80	1	3	5.0	9.2	X	X	1944	9.09	10.31	972	5.94	6.38	—	—		—	—		11.3	0.86	
64	1.80	1	1	6.4	11.7	X	—	1944	11.78	13.46	972	8.17	8.67	—	—		—	—		—	—	
65	1.80	1	3	7.8	14.2	X	—	—	—	—	972	10.22	10.81	—	—		—	—		—	—	
														A28			A36			A44		
66	1.80	1	1	7.9	14.4	X	—	—	—	—	972	10.36	10.96	—	—		—	—		—	—	
67	1.81	1	3	3.0	5.6	X	X	1933	3.69	4.90	966	2.46	3.25	7.8	0.79		11.8	0.85		15.8	0.89	
68	1.81	1	2	3.1	5.8	X	—	1933	4.00	5.16	966	2.64	3.41	7.5	0.79		11.6	0.85		15.6	0.89	
69	1.81	1	3	3.6	6.7	X	X	1933	5.48	6.43	966	3.54	4.20	—	—		10.4	0.84		14.5	0.88	
70	1.81	1	1	4.1	7.6	X	—	1933	6.87	7.89	966	4.42	4.95	—	—		9.3	0.83		13.4	0.88	
														A26			A34			A42		
71	1.81	1	6	4.2	7.8	X	—	1933	7.13	8.18	966	4.59	5.10	—	—		8.0	0.81		12.1	0.86	
72	1.81	1	1	4.7	8.7	X	—	1933	8.39	9.54	966	5.44	5.87	—	—		—	—		10.9	0.85	
73	1.81	1	1	5.8	10.7	X	—	1933	10.75	12.21	966	7.24	7.71	—	—		—	—		—	—	
74	1.81	1	10	6.4	11.8	X	—	1933	11.78	13.46	966	8.17	8.67	—	—		—	—		—	—	
75	1.81	1	10	7.2	13.2	X	—	—	—	—	966	9.37	9.92	—	—		—	—		—	—	

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts																				Line No.
Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No				
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F			
A54		A63		A72		A81		A90		A98		A105		A112		A128				
18.0	0.94	22.5	0.97	27.0	1.00	31.5	1.02	36.0	1.04	40.0	1.07	43.5	1.09	47.0	1.10	55.0	1.12			1
16.7	0.93	21.2	0.97	25.7	0.99	30.3	1.02	34.8	1.04	38.8	1.07	42.3	1.08	45.8	1.10	53.8	1.12			2
14.9	0.92	19.5	0.96	24.0	0.99	28.5	1.01	33.0	1.03	37.0	1.07	40.5	1.08	44.0	1.09	52.0	1.12			3
12.9	0.90	17.4	0.95	22.0	0.98	26.5	1.01	31.0	1.03	35.0	1.06	38.5	1.08	42.1	1.09	50.1	1.12			4
—	—	14.1	0.92	18.7	0.96	23.2	0.99	27.7	1.02	31.8	1.05	35.3	1.07	38.8	1.08	46.8	1.11			5
A58		A68		A78		A88		A100		A112		A120		A128		A136				
—	—	15.5	0.94	20.6	0.98	25.7	1.01	31.7	1.05	37.7	1.08	41.8	1.10	45.8	1.11	49.8	1.12			6
23.3	0.96	28.3	0.99	33.3	1.02	38.3	1.04	44.3	1.08	50.3	1.10	54.3	1.12	58.3	1.13	62.3	1.14			7
22.4	0.96	27.4	0.99	32.4	1.02	37.4	1.04	43.4	1.08	49.4	1.10	53.4	1.12	57.4	1.13	61.4	1.14			8
21.5	0.96	26.5	0.99	31.5	1.02	36.5	1.04	42.5	1.08	48.5	1.10	52.5	1.11	56.5	1.13	60.5	1.14			9
18.9	0.95	23.9	0.98	28.9	1.01	33.9	1.03	39.9	1.07	45.9	1.10	49.9	1.11	53.9	1.12	57.9	1.13			10
A46		A52		A58		A65		A72		A79		A86		A93		A100				
12.2	0.89	15.2	0.92	18.2	0.94	21.8	0.97	25.3	0.99	28.8	1.01	32.3	1.03	35.8	1.04	39.3	1.07			11
—	-----	11.3	0.89	14.4	0.92	18.0	0.95	21.5	0.98	25.0	1.00	28.5	1.02	32.0	1.03	35.6	1.06			12
17.9	0.92	20.9	0.94	23.9	0.97	27.4	0.99	30.9	1.01	34.4	1.02	37.9	1.04	41.4	1.05	44.9	1.08			13
17.6	0.92	20.7	0.94	23.7	0.96	27.2	0.99	30.7	1.01	34.2	1.02	37.7	1.04	41.2	1.05	44.7	1.08			14
17.0	0.92	20.0	0.94	23.0	0.96	26.5	0.99	30.0	1.00	33.5	1.02	37.0	1.04	40.5	1.05	44.0	1.08			15
A36		A40		A45		A50		A55		A60		A65		A70		A75				
11.8	0.85	13.8	0.87	16.3	0.91	18.8	0.93	21.3	0.95	23.8	0.97	26.3	0.98	28.8	1.00	31.3	1.01			16
10.2	0.84	12.2	0.86	14.8	0.90	17.3	0.93	19.8	0.95	22.3	0.96	24.8	0.98	27.3	0.99	29.8	1.01			17
10.0	0.84	12.0	0.86	14.5	0.90	17.0	0.92	19.5	0.95	22.0	0.96	24.5	0.98	27.0	0.99	29.6	1.01			18
9.1	0.83	11.1	0.85	13.6	0.90	16.1	0.92	18.7	0.94	21.2	0.96	23.7	0.98	26.2	0.99	28.7	1.01			19
8.4	0.82	10.4	0.85	13.0	0.89	15.5	0.92	18.0	0.94	20.5	0.96	23.0	0.97	25.5	0.99	28.0	1.00			20
A44		A50		A56		A62		A68		A74		A81		A88		A95				
—	—	12.3	0.89	15.4	0.92	18.4	0.95	21.4	0.97	24.4	0.99	27.9	1.01	31.5	1.03	35.0	1.04			21
—	—	11.1	0.88	14.1	0.92	17.1	0.94	20.1	0.97	23.1	0.99	26.7	1.01	30.2	1.02	33.7	1.04			22
17.3	0.90	20.3	0.94	23.3	0.96	26.3	0.98	29.3	1.00	32.3	1.01	35.8	1.03	39.3	1.05	42.8	1.06			23
15.5	0.89	18.5	0.93	21.5	0.95	24.6	0.97	27.6	0.99	30.6	1.01	34.1	1.03	37.6	1.04	41.1	1.06			24
14.4	0.88	17.4	0.93	20.4	0.95	23.4	0.97	26.4	0.99	29.4	1.01	33.0	1.02	36.5	1.04	40.0	1.05			25
A39		A44		A49		A54		A59		A64		A69		A74		A80				
11.2	0.85	13.8	0.88	16.3	0.92	18.8	0.94	21.3	0.96	23.8	0.98	26.3	0.99	28.8	1.00	31.8	1.02			26
11.0	0.85	13.5	0.88	16.0	0.92	18.5	0.94	21.1	0.96	23.6	0.97	26.1	0.99	28.6	1.00	31.6	1.02			27
10.3	0.84	12.9	0.87	15.4	0.91	17.9	0.94	20.4	0.96	22.9	0.97	25.4	0.99	27.6	1.00	30.9	1.02			28
9.2	0.83	11.7	0.87	14.3	0.91	16.8	0.93	19.3	0.95	21.8	0.97	24.3	0.98	26.8	1.00	29.8	1.01			29
—	—	10.6	0.85	13.1	0.90	15.6	0.92	18.2	0.94	20.7	0.96	23.2	0.98	25.7	0.99	28.7	1.01			30
A52		A60		A68		A76		A84		A92		A100		A110		A120				
14.0	0.91	18.0	0.95	22.1	0.97	26.1	1.00	30.1	1.02	34.1	1.04	38.1	1.07	43.1	1.09	48.1	1.11			31
11.9	0.89	16.0	0.93	20.0	0.96	24.1	0.99	28.1	1.01	32.1	1.03	36.1	1.07	41.1	1.09	46.1	1.10			32
—	—	14.2	0.92	18.2	0.96	22.3	0.98	26.3	1.01	30.3	1.03	34.4	1.06	39.4	1.08	44.4	1.10			33
19.3	0.94	23.3	0.97	27.3	0.99	31.3	1.01	35.3	1.03	39.3	1.05	43.3	1.08	48.3	1.10	53.3	1.12			34
19.1	0.94	23.1	0.97	27.1	0.99	31.1	1.01	35.1	1.03	39.1	1.05	43.1	1.08	48.1	1.10	53.1	1.11			35
A46		A52		A58		A65		A72		A79		A86		A93		A100				
15.2	0.91	18.2	0.93	21.2	0.96	24.7	0.98	28.2	1.00	31.7	1.02	35.2	1.03	38.7	1.05	42.2	1.08			36
14.3	0.90	17.3	0.93	20.3	0.95	23.8	0.98	27.3	1.00	30.8	1.02	34.3	1.03	37.8	1.05	41.4	1.08			37
14.0	0.90	17.1	0.93	20.1	0.95	23.6	0.98	27.1	1.00	30.6	1.02	34.1	1.03	37.6	1.05	41.1	1.08			38
12.0	0.88	15.0	0.92	18.1	0.94	21.6	0.97	25.1	0.99	28.6	1.01	32.1	1.03	35.6	1.04	39.1	1.07			39
—	—	11.4	0.89	14.5	0.92	18.0	0.95	21.6	0.98	25.1	1.00	28.6	1.02	32.1	1.03	35.6	1.06			40
A52		A60		A68		A76		A84		A92		A100		A110		A120				
—	—	12.9	0.91	17.0	0.95	21.1	0.98	25.1	1.00	29.1	1.02	33.2	1.06	38.2	1.08	43.2	1.10			41
20.8	0.94	24.8	0.97	28.8	1.00	32.8	1.02	36.8	1.04	40.8	1.05	44.8	1.08	49.8	1.10	54.8	1.12			42
19.7	0.94	23.7	0.97	27.7	0.99	31.7	1.01	35.7	1.03	39.7	1.05	43.7	1.08	48.7	1.10	53.7	1.12			43
18.8	0.94	22.8	0.97	26.8	0.99	30.8	1.01	34.8	1.03	38.9	1.05	42.9	1.08	47.9	1.10	52.9	1.11			44
18.6	0.93	22.6	0.96	26.6	0.99	30.6	1.01	34.6	1.03	38.6	1.05	42.6	1.08	47.6	1.10	52.6	1.11			45
A42		A48		A54		A60		A66		A72		A78		A84		A90				
10.9	0.85	13.9	0.90	16.9	0.93	20.0	0.95	23.0	0.97	26.0	0.99	29.0	1.01	32.0	1.02	35.0	1.04			46
9.5	0.84	12.5	0.89	15.6	0.92	18.6	0.95	21.6	0.97	24.6	0.99	27.6	1.01	30.6	1.02	33.6	1.04			47
—	—	11.4	0.88	14.4	0.91	17.5	0.94	20.5	0.96	23.5	0.98	26.5	1.00	29.5	1.02	32.5	1.03			48
—	—	10.7	0.87	13.8	0.91	16.8	0.94	19.8	0.96	22.9	0.98	25.9	1.00	28.9	1.02	31.9	1.03			49
15.6	0.89	18.6	0.93	21.6	0.95	24.6	0.97	27.6	0.99	30.6	1.01	33.6	1.02	36.6	1.03	39.6	1.05			50
A46		A52		A58		A65		A72		A79		A86		A93		A100				
16.5	0.91	19.5	0.94	22.5	0.96	26.0	0.98	29.5	1.00	33.0	1.02	36.5	1.04	40.0	1.05	43.5	1.08			51
15.3	0.91	18.3	0.93	21.4	0.96	24.9	0.98	28.4	1.00	31.9	1.02	35.4	1.03	38.9	1.05	42.4	1.08			52
14.2	0.90	17.2	0.93	20.2	0.95	23.7	0.98	27.3	1.00	30.8	1.02	34.3	1.03	37.8	1.05	41.3	1.08			53
11.0	0.87	14.1	0.91	17.1	0.94	20.6	0.96	24.1	0.99	27.7	1.01	31.2	1.02	34.7	1.04	38.2	1.07			54
—	—	11.5	0.88	14.6	0.92	18.1	0.95	21.6	0.98	25.2	1.00	28.7	1.02	32.2	1.03	35.7	1.06			55
A36		A40		A45		A50		A55		A60		A65		A70		A75				
12.3	0.85	14.3	0.87	16.8	0.91	19.3	0.93	21.8	0.95	24.3	0.97	26.8	0.99	29.3	1.00	31.8	1.01			56
12.1	0.85	14.1	0.87	16.6	0.91	19.1	0.93	21.6	0.95	24.1	0.97	26.6	0.98	29.1	1.00	31.6	1.01			57
10.0	0.83	12.1	0.86	14.6	0.90	17.1	0.92	19.6	0.94	22.1	0.96	24.6	0.98	27.1	0.99	29.6	1.01			58
9.8	0.83	11.8	0.86	14.3	0.90	16.9	0.92	19.4	0.94	21.9	0.96	24.4	0.98	26.9	0.99	29.4	1.01			59
9.5	0.83	11.6	0.86	14.1	0.90	16.6	0.92	19.1	0.94	21.6	0.96	24.1	0.98	26.6	0.99	29.2	1.01			60
A52		A60		A68		A76		A84		A92		A100		A110		A120				
17.0	0.93	21.0	0.96	25.0	0.98	29.0	1.01	33.0	1.03	37.0	1.04	41.0	1.08	46.0	1.09	51.0	1.11			61
15.8	0.92	19.9	0.95	23.9	0.98	27.9	1.00	31.9	1.02	35.9	1.04	39.9	1.07	44.9	1.09	49.9	1.11			62
15.4	0.92	19.4	0.95	23.4	0.98	27.4	1.00	31.4	1.02	35.4	1.04	39.4	1.07	44.5	1.09	49.5	1.11			63
12.2	0.89	16.2	0.93	20.3	0.96	24.3	0.99	28.3	1.01	32.3	1.03	36.3	1.07	41.4	1.09	46.4	1.10			64
—	—	13.0	0.91	17.1	0.95	21.1	0.98	25.2	1.00	29.2	1.02	33.2	1.06	38.2	1.08	43.3	1.10			65
A52		A60		A68		A76		A84		A92		A100		A110		A120				
—	—	12.7	0.90	16.8	0.94	20.9	0.97	24.9	1.00	29.0	1.02	33.0	1.06	38.0	1.08	43.0	1.10			66
19.9	0.94	23.9	0.97	27.9	0.99	31.9	1.01	35.9	1.03	39.9	1.05	43.9	1.08	48.9	1.10	53.9	1.12			67
19.6	0.94	23.6	0.97	27.6	0.99	31.6	1.01	35.6	1.03	39.6	1.05	43.6	1.08	48.6	1.10	53.6	1.12			68
18.5	0.93	22.5	0.96	26.5	0.99	30.5	1.01	34.5	1.03	38.5	1.05	42.5	1.08	47.5	1.10	52.5	1.11			69
17.4	0.93	21.4	0.96	25.4	0.99	29.4	1.01	33.4	1.03	37.4	1.05	41.4	1.08	46.4	1.10	51.4	1.11			70
A48		A55		A63		A70		A77		A84		A91		A98		A105				
15.1	0.91	18.6	0.94	22.7	0.97	26.2	0.99	29.7	1.01	33.2	1.03	36.7	1.04	40.2	1.07	43.7	1.09			71
14.0	0.90	17.5	0.93	21.5	0.96	25.1	0.99	28.6	1.01	32.1	1.02	35.6	1.04	39.1	1.07	42.6	1.08			72
11.4	0.88	15.0	0.92	19.0	0.95	22.6	0.98	26.1	1.00	29.6	1.02	33.1	1.03	36.6	1.06	40.1	1.08			73
—	—	13.6	0.91	17.7	0.94	21.2	0.97	24.7	0.99	28.2	1.01	31.7	1.03	35.3	1.06	38.8	1.08			74
—	—	11.8	0.89	15.9	0.93	19.4	0.96	22.9	0.99	26.5	1.01	30.0	1.02	33.5	1.06	37.0	1.07			75

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves		Datum Diameter		Type		Nominal Driven Speeds and Horsepower per Belt						Center Distance in Inches and "F" Factor tor Browning Belts					
								3500 RPM Driver			1750 RPM Driver			Belt No.		Belt No.		Belt No.	
		Min	Max	Driver	Driven	Fix.	Var.	Nominal Driven Speed	HP per Belt		Nominal Driven Speed	HP per Belt		C.D.	F	C.D.	F	C.D.	F
									Super	Gripnotch		Super	Gripnotch						
														A24		A28		A32	
1	1.82	1	1	2.6	4.9	X	—	1923	2.80	3.84	961	1.82	2.60	6.7	0.76	8.7	0.80	10.7	0.83
2	1.82	1	3	3.2	6.0	X	—	1923	4.31	5.41	961	2.82	3.57	—	—	7.3	0.78	9.3	0.82
3	1.82	1	2	3.3	6.2	X	X	1923	4.61	5.66	961	3.00	3.73	—	—	7.0	0.78	9.1	0.81
4	1.82	1	2	3.7	6.9	X	—	1923	5.77	6.73	961	3.72	4.35	—	—	—	—	8.2	0.80
5	1.82	1	6	4.4	8.2	X	X	1923	7.65	8.73	961	4.93	5.40	—	—	—	—	—	—
														A28		A36		A44	
6	1.82	1	3	6.6	12.2	X	—	1923	12.08	13.85	961	8.48	8.99	—	—	—	—	—	—
7	1.82	1	1	7.7	14.2	X	—	—	—	—	961	10.08	10.67	—	—	—	—	—	—
8	1.82	1	10	7.8	14.4	X	—	—	—	—	961	10.22	10.81	—	—	—	—	—	—
9	1.83	1	3	3.4	6.4	X	—	1912	4.90	5.90	956	3.18	3.89	6.8	0.78	10.9	0.84	14.9	0.89
10	1.83	1	2	3.5	6.6	X	—	1912	5.19	6.14	956	3.36	4.04	—	—	10.6	0.84	14.6	0.88
														A28		A37		A45	
11	1.83	1	1	4.1	7.7	X	—	1912	6.87	7.89	956	4.42	4.95	—	—	9.7	0.83	13.8	0.89
12	1.83	1	3	4.7	8.8	X	—	1912	8.39	9.54	956	5.44	5.87	—	—	8.3	0.81	12.4	0.88
13	1.83	1	1	5.2	9.7	X	X	1912	9.53	10.81	956	6.27	6.72	—	—	—	—	11.2	0.87
14	1.83	1	3	6.0	11.2	X	X	1912	11.11	12.65	956	7.55	8.03	—	—	—	—	—	—
15	1.83	1	2	8.2	15.2	X	—	—	—	—	956	10.77	11.40	—	—	—	—	—	—
														A24		A28		A32	
16	1.84	1	1	2.4	4.6	X	—	1902	2.35	3.29	951	1.56	2.26	7.1	0.77	9.1	0.80	11.1	0.83
17	1.84	1	3	3.0	5.7	X	X	1902	3.69	4.90	951	2.46	3.25	—	—	7.7	0.79	9.7	0.82
18	1.84	1	2	3.1	5.9	X	—	1902	4.00	5.16	951	2.64	3.41	—	—	7.5	0.79	9.5	0.82
19	1.84	1	3	3.6	6.8	X	X	1902	5.48	6.43	951	3.54	4.20	—	—	—	—	8.3	0.81
20	1.84	1	2	3.7	7.0	X	—	1902	5.77	6.73	951	3.72	4.35	—	—	—	—	8.1	0.80
														A28		A36		A44	
21	1.84	1	1	4.2	7.9	X	—	1902	7.13	8.18	951	4.59	5.10	—	—	9.0	0.82	13.0	0.87
22	1.84	1	3	4.9	9.2	X	—	1902	8.86	10.06	951	5.78	6.21	—	—	—	—	11.4	0.86
23	1.84	1	6	5.0	9.4	X	X	1902	9.09	10.31	951	5.94	6.38	—	—	—	—	11.1	0.86
24	1.84	1	1	5.7	10.7	X	X	1902	10.56	11.99	951	7.08	7.55	—	—	—	—	—	—
25	1.84	1	3	7.6	14.2	X	—	—	—	—	951	9.94	10.52	—	—	—	—	—	—
														A28		A36		A44	
26	1.84	1	1	7.7	14.4	X	—	—	—	—	951	10.08	10.67	—	—	—	—	—	—
27	1.85	1	1	2.6	5.0	X	—	1891	2.80	3.84	945	1.82	2.60	8.6	0.80	12.6	0.85	16.6	0.89
28	1.85	1	3	3.8	7.2	X	X	1891	6.05	7.03	945	3.89	4.50	—	—	9.9	0.83	13.9	0.88
29	1.85	1	1	3.9	7.4	X	—	1891	6.33	7.32	945	4.07	4.65	—	—	9.6	0.83	13.7	0.88
30	1.85	1	3	4.0	7.6	X	—	1891	6.60	7.61	945	4.24	4.80	—	—	9.4	0.82	13.4	0.88
														A26		A32		A38	
31	1.85	1	1	4.6	8.7	X	—	1891	8.15	9.27	945	5.27	5.70	—	—	—	—	9.0	0.82
32	1.85	1	6	5.2	9.8	X	X	1891	9.53	10.81	945	6.27	6.72	—	—	—	—	—	—
33	1.85	1	6	5.4	10.2	X	—	1891	9.96	11.29	945	6.60	7.05	—	—	—	—	—	—
34	1.85	1	1	6.2	11.7	X	X	1891	11.46	13.06	945	7.86	8.36	—	—	—	—	—	—
35	1.86	1	1	2.7	5.2	X	—	1881	3.02	4.11	940	1.95	2.76	7.3	0.78	10.4	0.83	—	—
														A24		A28		A32	
36	1.86	1	1	2.8	5.4	X	X	1881	3.23	4.38	940	2.09	2.93	6.1	0.75	8.1	0.79	10.1	0.82
37	1.86	1	2	3.5	6.7	X	—	1881	5.19	6.14	940	3.36	4.04	—	—	—	—	8.5	0.81
38	1.86	1	3	3.6	6.9	X	X	1881	5.48	6.43	940	3.54	4.20	—	—	—	—	8.2	0.80
39	1.86	1	1	4.1	7.8	X	—	1881	6.87	7.89	940	4.42	4.95	—	—	—	—	—	—
40	1.86	1	1	4.3	8.2	X	—	1881	7.39	8.46	940	4.76	5.25	—	—	—	—	—	—
														A26		A34		A42	
41	1.86	1	3	5.9	11.2	X	—	1881	10.94	12.43	940	7.40	7.87	—	—	—	—	—	—
42	1.86	1	10	7.0	13.2	X	X	—	—	—	940	9.07	9.61	—	—	—	—	—	—
43	1.87	1	1	2.9	5.6	X	—	1871	3.45	4.64	935	2.27	3.09	6.8	0.77	10.9	0.84	14.9	0.88
44	1.87	1	3	3.0	5.8	X	X	1871	3.69	4.90	935	2.46	3.25	6.6	0.77	10.6	0.83	14.7	0.88
45	1.87	1	2	3.1	6.0	X	—	1871	4.00	5.16	935	2.64	3.41	6.3	0.76	10.4	0.83	14.4	0.88
														A28		A36		A44	
46	1.87	1	6	4.6	8.8	X	—	1871	8.15	9.27	935	5.27	5.70	—	—	—	—	11.9	0.86
47	1.87	1	1	5.6	10.7	X	X	1871	10.37	11.76	935	6.92	7.38	—	—	—	—	—	—
48	1.87	1	10	6.2	11.8	X	X	1871	11.46	13.06	935	7.86	8.36	—	—	—	—	—	—
49	1.87	1	3	6.4	12.2	X	—	1871	11.78	13.46	935	8.17	8.67	—	—	—	—	—	—
50	1.87	1	10	7.6	14.4	X	—	—	—	—	935	9.94	10.52	—	—	—	—	—	—
														A24		A28		A32	
51	1.88	1	1	2.4	4.7	X	—	1861	2.35	3.29	930	1.56	2.26	7.0	0.77	9.0	0.80	11.0	0.83
52	1.88	1	3	3.2	6.2	X	—	1861	4.31	5.41	930	2.82	3.57	—	—	7.1	0.78	9.1	0.81
53	1.88	1	2	3.3	6.4	X	X	1861	4.61	5.66	930	3.00	3.73	—	—	6.9	0.77	8.9	0.81
54	1.88	1	3	3.4	6.6	X	—	1861	4.90	5.90	930	3.18	3.89	—	—	6.6	0.77	8.7	0.81
55	1.88	1	1	4.0	7.7	X	—	1861	6.60	7.61	930	4.24	4.80	—	—	—	—	—	—
														A26		A34		A42	
56	1.88	1	1	4.1	7.9	X	—	1861	6.87	7.89	930	4.42	4.95	—	—	8.0	0.80	12.1	0.86
57	1.88	1	3	4.8	9.2	X	—	1861	8.63	9.80	930	5.61	6.04	—	—	—	—	10.4	0.84
58	1.88	1	3	4.9	9.4	X	—	1861	8.86	10.06	930	5.78	6.21	—	—	—	—	10.2	0.84
59	1.88	1	3	6.9	13.2	X	—	—	—	—	930	8.93	9.46	—	—	—	—	—	—
60	1.89	1	2	3.5	6.8	X	—	1851	5.19	6.14	925	3.36	4.04	—	—	9.4	0.82	13.5	0.87
														A28		A36		A44	
61	1.89	1	3	3.6	7.0	X	X	1851	5.48	6.43	925	3.54	4.20	—	—	10.2	0.83	14.2	0.88
62	1.89	1	2	3.7	7.2	X	—	1851	5.77	6.73	925	3.72	4.35	—	—	9.9	0.83	14.0	0.88
63	1.89	1	3	7.4	14.2	X	—	—	—	—	925	9.65	10.22	—	—	—	—	—	—
64	1.90	1	1	2.9	5.7	X	—	1842	3.45	4.64	921	2.27	3.09	7.8	0.79	11.8	0.85	15.8	0.89
65	1.90	1	3	3.0	5.9	X	X	1842	3.69	4.90	921	2.46	3.25	7.5	0.78	11.6	0.84	15.6	0.89
														A24		A29		A34	
66	1.90	1	3	3.8	7.4	X	X	1842	6.05	7.03	921	3.89	4.50	—	—	—	—	8.7	0.81
67	1.90	1	1	3.9	7.6	X	—	1842	6.33	7.32	921	4.07	4.65	—	—	—	—	8.4	0.81
68	1.90	1	3	4.0	7.8	X	—	1842	6.60	7.61	921	4.24	4.80	—	—	—	—	8.2	0.80
69	1.90	1	6	4.2	8.2	X	—	1842	7.13	8.18	921	4.59	5.10	—	—	—	—	—	—
70	1.90	1	1	5.0	9.7	X	X	1842	9.09	10.31	921	5.94	6.38	—	—	—	—	—	—
														A28		A37		A45	
71	1.90	1	3	5.8	11.2	X	—	1842	10.75	12.21	921	7.24	7.71	—	—	—	—	—	—
72	1.90	1	1	7.9	15.2	X	—	—	—	—	921	10.36	10.96	—	—	—	—	—	—
73	1.91	1	3	3.4	6.7	X	—	1832	4.90	5.90	916	3.18	3.89	—	—	11.1	0.84	15.1	0.90
74	1.91	1	2	3.5	6.9	X	—	1832	5.19	6.14	916	3.36	4.04	—	—	10.9	0.84	14.9	0.90
75	1.91	1	3	4.7	9.2	X	—	1832	8.39	9.54	916	5.44	5.87	—	—	—	—	12.0	0.88

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts

Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
A36		A40		A45		A50		A55		A60		A65		A70		A75		
12.7	0.85	14.7	0.88	17.2	0.91	19.7	0.94	22.2	0.95	24.7	0.97	27.2	0.99	29.7	1.00	32.2	1.01	1
11.3	0.85	13.4	0.87	15.9	0.91	18.4	0.93	20.9	0.95	23.4	0.97	25.9	0.98	28.4	1.00	30.9	1.01	2
11.1	0.84	13.1	0.87	15.6	0.91	18.1	0.93	20.6	0.95	23.1	0.97	25.7	0.98	28.2	1.00	30.7	1.01	3
10.2	0.84	12.2	0.86	14.7	0.90	17.3	0.92	19.8	0.94	22.3	0.96	24.8	0.98	27.3	0.99	29.8	1.01	4
8.5	0.82	10.6	0.85	13.1	0.89	15.6	0.92	18.2	0.94	20.7	0.96	23.2	0.97	25.7	0.99	28.2	1.00	5
A52		A60		A68		A76		A84		A92		A100		A110		A120		
11.6	0.88	15.6	0.93	19.7	0.96	23.7	0.99	27.8	1.01	31.8	1.03	35.8	1.06	40.8	1.08	45.8	1.10	6
—	—	13.1	0.90	17.2	0.94	21.2	0.98	25.2	1.00	29.3	1.02	33.3	1.06	38.3	1.08	43.3	1.10	7
—	—	12.8	0.90	16.9	0.94	21.0	0.97	25.0	1.00	29.0	1.02	33.1	1.06	38.1	1.08	43.1	1.10	8
18.9	0.94	22.9	0.96	26.9	0.99	30.9	1.01	34.9	1.03	38.9	1.05	42.9	1.08	47.9	1.10	52.9	1.11	9
18.7	0.93	22.7	0.96	26.7	0.99	30.7	1.01	34.7	1.03	38.7	1.05	42.7	1.08	47.7	1.10	52.7	1.11	10
A54		A63		A72		A81		A90		A98		A105		A112		A128		
18.3	0.94	22.8	0.97	27.3	1.00	31.8	1.02	36.3	1.04	40.3	1.07	43.9	1.09	47.4	1.10	55.4	1.12	11
16.9	0.93	21.5	0.96	26.0	0.99	30.5	1.02	35.0	1.04	39.0	1.07	42.5	1.08	46.0	1.10	54.0	1.12	12
15.8	0.92	20.3	0.96	24.9	0.99	29.4	1.01	33.9	1.03	37.9	1.07	41.4	1.08	44.9	1.09	52.9	1.12	13
13.9	0.91	18.5	0.95	23.0	0.98	27.5	1.01	32.0	1.03	36.1	1.06	39.6	1.08	43.1	1.09	51.1	1.12	14
—	—	13.3	0.91	17.9	0.95	22.5	0.99	27.1	1.01	31.1	1.05	34.6	1.06	38.1	1.08	46.1	1.11	15
A36		A40		A45		A50		A55		A60		A65		A70		A75		
13.1	0.86	15.1	0.88	17.5	0.92	20.1	0.94	22.6	0.95	25.1	0.97	27.6	0.99	30.1	1.00	32.6	1.01	16
11.7	0.85	13.8	0.87	16.3	0.91	18.8	0.93	21.3	0.95	23.8	0.97	26.3	0.98	28.8	1.00	31.3	1.01	17
11.5	0.85	13.5	0.87	16.0	0.91	18.5	0.93	21.0	0.95	23.5	0.97	26.0	0.98	28.6	1.00	31.1	1.01	18
10.4	0.84	12.4	0.86	14.9	0.90	17.4	0.92	19.9	0.94	22.4	0.96	24.9	0.98	27.4	0.99	29.9	1.01	19
10.1	0.83	12.1	0.86	14.7	0.90	17.2	0.92	19.7	0.94	22.2	0.96	24.7	0.98	27.2	0.99	29.7	1.01	20
A52		A60		A68		A76		A84		A92		A100		A110		A120		
17.1	0.93	21.1	0.96	25.1	0.98	29.1	1.01	33.1	1.03	37.1	1.04	41.1	1.08	46.1	1.09	51.1	1.11	21
15.4	0.92	19.5	0.95	23.5	0.98	27.5	1.00	31.5	1.02	35.5	1.04	39.5	1.07	44.5	1.09	49.5	1.11	22
15.2	0.91	19.2	0.95	23.2	0.98	27.3	1.00	31.3	1.02	35.3	1.04	39.3	1.07	44.3	1.09	49.3	1.11	23
13.5	0.90	17.6	0.94	21.6	0.97	25.7	0.99	29.7	1.02	33.7	1.04	37.7	1.07	42.7	1.09	47.7	1.10	24
—	—	13.1	0.90	17.2	0.94	21.3	0.98	25.3	1.00	29.4	1.02	33.4	1.06	38.4	1.08	43.4	1.10	25
A52		A60		A68		A76		A84		A92		A100		A110		A120		
—	—	12.9	0.90	17.0	0.94	21.0	0.97	25.1	1.00	29.1	1.02	33.1	1.06	38.2	1.08	43.2	1.10	26
20.6	0.94	24.7	0.97	28.7	0.99	32.7	1.02	36.7	1.03	40.7	1.05	44.7	1.08	49.7	1.10	54.7	1.12	27
17.9	0.93	21.9	0.96	26.0	0.99	30.0	1.01	34.0	1.03	38.0	1.05	42.0	1.08	47.0	1.10	52.0	1.11	28
17.7	0.93	21.7	0.96	25.7	0.99	29.7	1.01	33.7	1.03	37.7	1.05	41.7	1.08	46.7	1.10	51.7	1.11	29
17.5	0.93	21.5	0.96	25.5	0.98	29.5	1.01	33.5	1.03	37.5	1.05	41.5	1.08	46.5	1.09	51.5	1.11	30
A44		A50		A56		A62		A68		A74		A81		A88		A95		
12.0	0.86	15.1	0.91	18.1	0.94	21.1	0.96	24.1	0.98	27.1	1.00	30.6	1.02	34.1	1.03	37.7	1.05	31
10.6	0.85	13.7	0.90	16.7	0.93	19.7	0.95	22.8	0.97	25.8	0.99	29.3	1.01	32.8	1.03	36.3	1.05	32
10.1	0.84	13.2	0.90	16.2	0.93	19.3	0.95	22.3	0.97	25.3	0.99	28.8	1.01	32.3	1.03	35.8	1.04	33
—	—	11.3	0.88	14.3	0.91	17.4	0.94	20.4	0.96	23.4	0.98	27.0	1.00	30.5	1.02	34.0	1.04	34
16.4	0.89	19.4	0.93	22.4	0.96	25.4	0.98	28.4	0.99	31.4	1.01	34.9	1.03	38.4	1.04	41.9	1.06	35
A36		A40		A45		A50		A55		A60		A65		A70		A75		
12.1	0.85	14.2	0.87	16.7	0.91	19.2	0.93	21.7	0.95	24.2	0.97	26.7	0.98	29.2	1.00	31.7	1.01	36
10.5	0.84	12.5	0.86	15.1	0.90	17.6	0.92	20.1	0.94	22.6	0.96	25.1	0.98	27.6	0.99	30.1	1.01	37
10.3	0.83	12.3	0.86	14.8	0.90	17.3	0.92	19.8	0.94	22.3	0.96	24.9	0.98	27.4	0.99	29.9	1.01	38
9.1	0.82	11.2	0.85	13.7	0.89	16.2	0.92	18.7	0.94	21.2	0.96	23.7	0.97	26.2	0.99	28.7	1.00	39
8.6	0.81	10.7	0.84	13.2	0.89	15.7	0.91	18.2	0.94	20.7	0.96	23.3	0.97	25.8	0.99	28.3	1.00	40
A48		A55		A63		A70		A77		A84		A91		A98		A105		
10.9	0.87	14.5	0.91	18.5	0.95	22.1	0.97	25.6	0.99	29.1	1.01	32.6	1.03	36.1	1.06	39.6	1.08	41
—	—	11.9	0.89	16.0	0.93	19.5	0.96	23.1	0.98	26.6	1.01	30.1	1.02	33.7	1.06	37.2	1.07	42
17.9	0.92	21.4	0.95	25.4	0.98	28.9	1.00	32.4	1.02	36.0	1.03	39.5	1.05	43.0	1.08	46.5	1.09	43
17.7	0.92	21.2	0.95	25.2	0.98	28.7	1.00	32.2	1.02	35.7	1.03	39.2	1.05	42.7	1.08	46.2	1.09	44
17.4	0.92	21.0	0.95	25.0	0.98	28.5	1.00	32.0	1.01	35.5	1.03	39.0	1.05	42.5	1.08	46.0	1.09	45
A52		A60		A68		A76		A84		A92		A100		A110		A120		
16.0	0.92	20.0	0.95	24.0	0.98	28.1	1.00	32.1	1.02	36.1	1.04	40.1	1.07	45.1	1.09	50.1	1.11	46
13.6	0.90	17.7	0.94	21.7	0.97	25.7	0.99	29.7	1.02	33.8	1.04	37.8	1.07	42.8	1.09	47.8	1.10	47
12.2	0.89	16.3	0.93	20.3	0.96	24.4	0.99	28.4	1.01	32.4	1.03	36.4	1.06	41.4	1.08	46.4	1.10	48
11.7	0.88	15.8	0.93	19.8	0.96	23.9	0.99	27.9	1.01	31.9	1.03	35.9	1.06	40.9	1.08	46.0	1.10	49
—	—	12.9	0.90	17.0	0.94	21.1	0.97	25.2	1.00	29.2	1.02	33.2	1.05	38.2	1.08	43.2	1.10	50
A36		A40		A45		A50		A55		A60		A65		A70		A75		
13.0	0.86	15.0	0.88	17.5	0.91	20.0	0.94	22.5	0.95	25.1	0.97	27.6	0.99	30.1	1.00	32.6	1.01	51
11.2	0.84	13.2	0.87	15.7	0.91	18.2	0.93	20.7	0.95	23.2	0.96	25.7	0.98	28.2	1.00	30.7	1.01	52
10.9	0.84	12.9	0.86	15.5	0.90	18.0	0.93	20.5	0.95	23.0	0.96	25.5	0.98	28.0	0.99	30.5	1.01	53
10.7	0.84	12.7	0.86	15.2	0.90	17.7	0.93	20.2	0.95	22.7	0.96	25.2	0.98	27.8	0.99	30.3	1.01	54
9.3	0.82	11.3	0.85	13.8	0.89	16.4	0.92	18.9	0.94	21.4	0.96	23.9	0.97	26.4	0.99	28.9	1.00	55
A48		A55		A63		A70		A77		A84		A91		A98		A105		
15.1	0.91	18.6	0.94	22.7	0.97	26.2	0.99	29.7	1.01	33.2	1.03	36.7	1.04	40.2	1.07	43.7	1.08	56
13.5	0.90	17.0	0.93	21.0	0.96	24.6	0.98	28.1	1.00	31.6	1.02	35.1	1.04	38.6	1.07	42.1	1.08	57
13.2	0.89	16.8	0.93	20.8	0.96	24.3	0.98	27.8	1.00	31.3	1.02	34.9	1.04	38.4	1.07	41.9	1.08	58
—	—	12.0	0.89	16.1	0.93	19.6	0.96	23.2	0.98	26.7	1.00	30.2	1.02	33.7	1.05	37.2	1.07	59
16.5	0.92	20.0	0.94	24.0	0.97	27.5	0.99	31.0	1.01	34.5	1.03	38.0	1.04	41.5	1.07	45.0	1.09	60
A52		A60		A68		A76		A84		A92		A100		A110		A120		
18.2	0.93	22.3	0.96	26.3	0.99	30.3	1.01	34.3	1.03	38.3	1.05	42.3	1.08	47.3	1.10	52.3	1.11	61
18.0	0.93	22.0	0.96	26.0	0.99	30.0	1.01	34.0	1.03	38.1	1.05	42.1	1.08	47.1	1.10	52.1	1.11	62
—	—	13.3	0.90	17.4	0.94	21.4	0.97	25.5	1.00	29.5	1.02	33.5	1.06	38.5	1.08	43.6	1.10	63
19.8	0.94	23.9	0.97	27.9	0.99	31.9	1.01	35.9	1.03	39.9	1.05	43.9	1.08	48.9	1.10	53.9	1.11	64
19.6	0.94	23.6	0.97	27.6	0.99	31.6	1.01	35.6	1.03	39.6	1.05	43.6	1.08	48.6	1.10	53.6	1.11	65
A39		A44		A49		A54		A59		A64		A69		A74		A80		
11.2	0.85	13.7	0.88	16.3	0.92	18.8	0.94	21.3	0.96	23.8	0.97	26.3	0.99	28.8	1.00	31.8	1.02	66
11.0	0.85	13.5	0.87	16.0	0.91	18.5	0.94	21.0	0.95	23.5	0.97	26.1	0.99	28.6	1.00	31.6	1.02	67
10.7	0.84	13.3	0.87	15.8	0.91	18.3	0.93	20.8	0.95	23.3	0.97	25.8	0.99	28.3	1.00	31.3	1.02	68
10.2	0.84	12.8	0.87	15.3	0.91	17.8	0.93	20.3	0.95	22.8	0.97	25.3	0.98	27.8	1.00	30.9	1.01	69
—	—	10.9	0.85	13.4	0.90	15.9	0.92	18.5	0.94	21.0	0.96	23.5	0.98	26.0	0.99	29.0	1.01	70
A54		A63		A72		A81		A90		A98		A105		A112		A128		
14.0	0.91	18.6	0.95	23.1	0.98	27.7	1.01	32.2	1.03	36.2	1.06	39.7	1.06	43.2	1.09	51.2	1.12	71
—	—	13.5	0.91	18.1	0.95	22.7	0.98	27.3	1.01	31.3	1.05	34.8	1.06	38.3	1.08	46.4	1.11	72
19.7	0.94	24.2	0.97	28.7	1.00	33.2	1.02	37.7	1.04	41.7	1.07	45.2	1.09	48.7	1.10	56.7	1.13	73
19.4	0.94	23.9	0.97	28.4	1.00	32.9	1.02	7.4	1.04	41.5	1.07	45.0	1.09	48.5	1.10	56.5	1.12	74
16.6	0.92	21.1	0.96	25.6	0.99	30.2	1.01	34.7	1.04	38.7	1.07	42.2	1.08	45.7	1.09	53.7	1.12	75

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves		Datum Diameter		Type		Nominal Driven Speeds and Horsepower per Belt						Center Distance In Inches and "F" Factor for Browning Belts					
								3500 RPM Driver			1750 RPM Driver								
								Nominal Driven Speed	HP per Belt		Nominal Driven Speed	HP per Belt		Belt No.		Belt No.		Belt No.	
		Min	Max	Driver	Driven	Fix.	Var.		Super	Gripnotch		Super	Gripnotch	C.D.	F	C.D.	F	C.D.	F
														A26		A34		A42	
1	1.91	1	1	6.0	11.7	X	X	1832	11.11	12.65	916	7.55	8.03	—	—	—	—	—	—
2	1.91	1	10	6.8	13.2	x	—	1832	12.36	14.21	916	8.78	9.30	—	—	—	—	—	—
3	1.92	1	1	2.4	4.8	X	—	1822	2.36	3.29	911	1.56	2.26	7.9	0.78	11.9	0.84	16.0	0.89
4	1.92	1	1	2.6	5.2	x	—	1822	2.80	3.84	911	1.83	2.60	7.4	0.78	11.5	0.84	15.5	0.88
5	1.92	1	1	3.9	7.7	X	—	1822	6.33	7.32	911	4.07	4.65	—	—	8.3	0.81	12.4	0.86
														A28		A36		A44	
6	1.92	1	1	4.0	7.9	X	—	1822	6.60	7.61	911	4.24	4.80	—	—	9.1	0.82	13.2	0.87
7	1.92	1	6	4.8	9.4	X	—	1822	8.63	9.80	911	5.61	6.04	—	—	—	—	11.3	0.85
8	1.92	1	6	5.0	9.8	X	X	1822	9.09	10.31	911	5.94	6.38	—	—	—	—	10.8	0.85
9	1.92	1	6	5.2	10.2	X	X	1822	9.53	10.81	911	6.27	6.72	—	—	—	—	10.3	0.84
10	1.92	1	10	7.4	14.4	X	—	—	—	—	911	9.65	10.22	—	—	—	—	—	—
														A28		A37		A45	
11	1.92	1	2	7.8	15.2	X	—	—	—	—	911	10.22	10.81	—	—	—	—	—	—
12	1.93	1	1	2.7	5.4	X	—	1813	3.02	4.11	906	1.96	2.76	8.2	0.79	12.7	0.85	16.7	0.91
13	1.93	1	1	2.8	5.6	X	X	1813	3.24	4.38	906	2.09	2.93	7.9	0.79	12.5	0.85	16.5	0.91
14	1.93	1	1	2.9	5.8	X	—	1813	3.45	4.64	906	2.27	3.09	7.7	0.79	12.2	0.85	16.3	0.91
15	1.93	1	3	3.0	6.0	X	X	1813	3.69	4.90	906	2.46	3.25	7.4	0.78	12.0	0.85	16.0	0.91
														A26		A32		A38	
16	1.93	1	2	3.1	6.2	X	—	1813	4.00	5.16	906	2.64	3.41	6.2	0.76	9.2	0.81	12.3	0.85
17	1.93	1	1	4.4	8.7	X	X	1813	7.65	8.73	906	4.93	5.40	—	—	—	—	9.1	0.82
18	1.93	1	3	5.7	11.2	X	X	1813	10.56	11.99	906	7.08	7.55	—	—	—	—	—	—
19	1.93	1	6	6.0	11.8	X	X	1813	11.11	12.65	906	7.55	8.03	—	—	—	—	—	—
20	1.93	1	3	6.2	12.2	X	X	1813	11.46	13.06	906	7.86	8.36	—	—	—	—	—	—
														A24		A28		A32	
21	1.94	1	3	3.2	6.4	X	—	804	4.31	5.41	902	2.82	3.57	—	—	6.9	0.77	9.0	0.81
22	1.94	1	2	3.3	6.6	X	X	1804	4.61	5.66	902	3.00	3.73	—	—	6.7	0.77	8.7	0.81
23	1.94	1	3	3.4	6.8	X	—	1804	4.90	5.90	902	3.18	3.89	—	—	—	—	8.5	0.80
24	1.94	1	2	3.5	7.0	x	—	1804	5.19	6.14	902	3.36	4.04	—	—	—	—	8.2	0.80
25	1.94	1	3	3.6	7.2	X	X	1804	5.48	6.43	902	3.54	4.20	—	—	—	—	8.0	0.80
														A28		A36		A44	
26	1.94	1	2	3.7	7.4	X	—	1804	5.77	6.73	902	3.72	4.35	—	—	9.8	0.83	13.8	0.88
27	1.94	1	1	4.9	9.7	X	—	1804	8.86	10.06	902	5.78	6.21	—	—	—	—	10.9	0.85
28	1.94	1	1	5.4	10.7	X	—	1804	9.96	11.29	902	6.60	7.05	—	—	—	—	9.6	0.83
29	1.94	1	3	6.7	13.2	X	X	1804	12.22	14.03	902	8.63	9.15	—	—	—	—	—	—
30	1.94	1	3	7.2	14.2	X	—	—	—	—	902	9.37	9.92	—	—	—	—	—	—
														A28		A37		A45	
31	1.94	1	1	7.7	15.2	X	X	—	—	—	902	10.08	10.67	—	—	—	—	—	—
32	1.95	1	3	3.8	7.6	X	X	1794	6.05	7.03	897	3.89	4.50	—	—	10.0	0.83	14.1	0.89
33	1.95	1	1	3.9	7.8	X	—	1794	6.33	7.32	897	4.07	4.65	—	—	9.8	0.83	13.8	0.89
34	1.95	1	1	4.1	8.2	X	—	1794	6.87	7.89	897	4.42	4.95	—	—	9.3	0.82	13.3	0.89
35	1.95	1	6	4.4	8.8	X	X	1794	7.65	8.73	897	4.93	5.40	—	—	8.5	0.81	12.6	0.88
														A24		A30		A36	
36	1.95	1	3	4.6	9.2	X	—	1794	8.15	9.27	897	5.27	5.70	—	—	—	—	—	—
37	1.95	1	3	4.7	9.4	X	—	1794	8.39	9.54	897	5.44	5.87	—	—	—	—	—	—
38	1.95	1	1	5.9	11.7	X	—	1794	10.94	12.43	897	7.40	7.87	—	—	—	—	—	—
39	1.96	1	1	2.4	4.9	X	—	1785	2.36	3.29	892	1.57	2.26	6.8	0.78	9.8	0.81	12.9	0.85
40	1.96	1	1	2.8	5.7	X	X	1785	3.24	4.38	892	2.09	2.93	5.8	0.74	8.9	0.80	11.9	0.85
														A26		A32		A38	
41	1.96	1	1	2.9	5.9	X	—	1785	3.45	4.64	892	2.27	3.09	6.6	0.76	9.6	0.82	12.7	0.86
42	1.96	1	3	4.9	9.8	X	—	1785	8.86	10.06	892	5.78	6.21	—	—	—	—	—	—
43	1.96	1	3	5.6	11.2	X	X	1785	10.37	11.76	892	6.92	7.38	—	—	—	—	—	—
44	1.96	1	3	5.9	11.8	X	—	1785	10.94	12.43	892	7.40	7.87	—	—	—	—	—	—
45	1.97	1	2	3.3	6.7	X	X	1776	4.61	5.66	888	3.00	3.73	—	—	8.6	0.80	11.7	0.85
														A26		A34		A42	
46	1.97	1	3	3.4	6.9	X	—	1776	4.90	5.90	888	3.18	3.89	—	—	9.4	0.82	13.5	0.87
47	1.97	1	1	3.8	7.7	X	X	1776	6.05	7.03	888	3.89	4.50	—	—	8.4	0.80	12.5	0.86
48	1.97	1	1	3.9	7.9	X	—	1776	6.33	7.32	888	4.07	4.65	—	—	8.1	0.80	12.2	0.86
49	1.97	1	1	4.3	8.7	X	—	1776	7.39	8.46	888	4.76	5.25	—	—	—	—	11.2	0.85
50	1.97	1	10	6.6	13.2	x	—	1776	12.08	13.85	888	8.48	8.99	—	—	—	—	—	—
														A28		A37		A45	
51	1.97	1	10	7.2	14.4	X	—	—	—	—	888	9.37	9.92	—	—	—	—	—	—
52	1.97	1	2	7.6	15.2	X	—	—	—	—	888	9.94	10.52	—	—	—	—	—	—
53	1.98	1	1	4.8	9.7	X	—	1767	8.63	9.80	883	5.61	6.04	—	—	—	—	11.5	0.87
54	1.98	1		5.8	11.7	X	—	1767	10.75	12.21	883	7.24	7.71	—	—	—	—	—	—
55	2.00	1	1 1	2.4	5.0	X	—	1750	2.36	3.29	875	1.57	2.26	8.7	0.80	13.3	0.86	17.3	0.91
														A24		A28		A32	
56	2.00	1	1	2.6	5.4	X	—	1750	2.81	3.84	875	1.83	2.60	6.2	0.75	8.3	0.79	10.3	0.82
57	2.00	1	1	2.7	5.6	X	—	1750	3.03	4.11	875	1.96	2.76	6.0	0.75	8.0	0.79	10.0	0.82
58	2.00	1	1	2.8	5.8	X	X	1750	3.24	4.38	875	2.13	2.93	—	—	7.8	0.78	9.8	0.82
59	2.00	1	1	2.9	6.0	X	—	1750	3.47	4.64	875	2.32	3.09	—	—	7.5	0.78	9.5	0.81
60	2.00	1	3	3.0	6.2	X	X	1750	3.78	4.90	875	2.50	3.25	—	—	7.3	0.78	9.3	0.81
														A24		A28		A32	
61	2.00	1	2	3.1	6.4	X	—	1750	4.09	5.16	875	2.68	3.41	—	—	7.0	0.77	9.0	0.81
62	2.00	1	3	3.2	6.6	X	—	1750	4.39	5.41	875	2.86	3.57	—	—	6.7	0.77	8.8	0.81
63	2.00	1	2	3.3	6.8	X	X	1750	4.69	5.66	875	3.05	3.73	—	—	—	—	8.5	0.80
64	2.00	1	3	3.4	7.0	X	—	1750	4.99	5.90	875	3.23	3.89	—	—	—	—	8.3	0.80
65	2.00	1	2	3.5	7.2	X	—	1750	5.28	6.21	875	3.41	4.04	—	—	—	—	8.0	0.79
														A24		A28		A32	
66	2.00	1	3	3.6	7.4	X	X	1750	5.57	6.51	875	3.58	4.20	—	—	—	—	7.8	0.79
67	2.00	1	2	3.7	7.6	X	—	1750	5.86	6.81	875	3.76	4.35	—	—	—	—	7.5	0.79
68	2.00	1	3	3.8	7.8	X	X	1750	6.14	7.11	875	3.94	4.50	—	—	—	—	—	—
69	2.00	1	3	4.0	8.2	X	—	1750	6.69	7.69	875	4.29	4.80	—	—	—	—	—	—
70	2.00	1	1	4.3	8.8	X	—	1750	7.48	8.54	875	4.81	5.25	—	—	—	—	—	—
														A26		A32		A38	
71	2.00	1	6	4.6	9.4	X	—	1750	8.24	9.35	875	5.32	5.74	—	—	—	—		
72	2.00	1	6	4.8	9.8	X	—	1750	8.72	9.88	875	5.65	6.08	—	—	—	—	—	—
73	2.00	1	6	5.0	10.2	X	X	1750	9.18	10.39	875	5.99	6.42	—	—	—	—	—	—
74	2.00	1	6	5.8	11.8	X	—	1750	10.84	12.29	875	7.28	7.75	—	—	—	—	—	—
75	2.00	1	3	6.0	12.2	X	X	1750	11.20	12.73	875	7.60	8.07	—	—	—	—	—	—

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts

Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Line No.
C. D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
A48		**A55**		**A63**		**A70**		**A77**		**A84**		**A91**		**A98**		**A105**		
10.4	0.86	14.0	0.90	18.0	0.94	21.6	0.97	25.1	0.99	28.6	1.01	32.1	1.03	35.6	1.06	39.2	1.07	1
—	—	12.0	0.89	16.1	0.93	19.7	0.96	23.2	0.98	26.8	1.00	30.3	1.02	33.8	1.05	37.3	1.07	2
19.0	0.93	22.5	0.95	26.5	0.98	30.0	1.00	33.5	1.02	37.0	1.03	40.5	1.05	44.0	1.08	47.5	1.09	3
18.5	0.92	22.0	0.95	26.0	0.98	29.5	1.00	33.0	1.02	36.5	1.03	40.0	1.05	43.5	1.08	47.0	1.09	4
15.4	0.91	18.9	0.94	23.0	0.97	26.5	0.99	30.0	1.01	33.5	1.03	37.0	1.04	40.5	1.07	44.0	1.08	5
A52		**A60**		**A68**		**A76**		**A84**		**A92**		**A100**		**A110**		**A120**		
17.2	0.92	21.2	0.96	25.2	0.98	29.2	1.01	33.3	1.03	37.3	1.04	41.3	1.07	46.3	1.09	51.3	1.11	6
15.3	0.91	19.4	0.95	23.4	0.98	27.4	1.00	31.4	1.02	35.4	1.04	39.4	1.07	44.4	1.09	49.4	1.11	7
14.8	0.91	18.9	0.94	22.9	0.97	26.9	1.00	30.9	1.02	34.9	1.04	39.0	1.07	44.0	1.09	49.0	1.11	8
14.3	0.91	18.4	0.94	22.4	0.97	26.4	1.00	30.5	1.02	34.5	1.04	38.5	1.07	43.5	1.09	48.5	1.11	9
—	—	13.1	0.90	17.2	0.94	21.2	0.97	25.3	1.00	29.3	1.02	33.4	1.05	38.4	1.08	43.4	1.09	10
A54		**A63**		**A72**		**A81**		**A90**		**A98**		**A105**		**A112**		**A128**		
—	—	13.6	0.90	18.2	0.95	22.8	0.98	27.3	1.01	31.4	1.05	34.9	1.06	38.4	1.08	46.4	1.11	11
21.2	0.95	25.8	0.98	30.3	1.00	34.8	1.03	39.3	1.05	43.3	1.08	46.8	1.09	50.3	1.10	58.3	1.13	12
21.0	0.95	25.5	0.98	30.0	1.00	34.5	1.03	39.0	1.05	43.0	1.08	46.5	1.09	50.0	1.10	58.0	1.13	13
20.8	0.94	25.3	0.98	29.8	1.00	34.3	1.02	38.8	1.04	42.8	1.08	46.3	1.09	49.8	1.10	57.8	1.13	14
20.5	0.94	25.0	0.97	29.5	1.00	34.1	1.02	38.6	1.04	42.6	1.08	46.1	1.09	49.6	1.10	57.6	1.13	15
A44		**A50**		**A56**		**A62**		**A68**		**A74**		**A81**		**A88**		**A95**		
15.3	0.89	18.3	0.93	21.3	0.95	24.3	0.97	27.3	0.99	30.3	1.01	33.8	1.02	37.3	1.04	40.8	1.05	16
12.2	0.86	15.2	0.91	18.2	0.94	21.3	0.96	24.3	0.98	27.3	1.00	30.8	1.02	34.3	1.03	37.8	1.05	17
—	—	12.1	0.88	15.1	0.92	18.2	0.94	21.2	0.96	24.2	0.98	27.7	1.01	31.3	1.02	34.8	1.04	18
—	—	11.3	0.87	14.4	0.91	17.4	0.94	20.5	0.96	23.5	0.98	27.0	1.00	30.5	1.02	34.1	1.04	19
—	—	10.8	0.87	13.9	0.90	16.9	0.93	20.0	0.96	23.0	0.98	26.5	1.00	30.1	1.02	33.6	1.04	20
A36		**A40**		**A45**		**A50**		**A55**		**A60**		**A65**		**A70**		**A75**		
11.0	0.84	13.0	0.86	15.5	0.90	18.0	0.93	20.6	0.95	23.1	0.96	25.6	0.98	28.1	0.99	30.6	1.01	21
10.8	0.84	12.8	0.86	15.3	0.90	17.8	0.92	20.3	0.94	22.8	0.96	25.3	0.98	27.8	0.99	30.3	1.01	22
10.5	0.83	12.5	0.86	15.0	0.90	17.6	0.92	20.1	0.94	22.6	0.96	25.1	0.98	27.6	0.99	30.1	1.01	23
10.3	0.83	12.3	0.86	14.8	0.90	17.3	0.92	19.8	0.94	22.3	0.96	24.8	0.98	27.4	0.09	29.9	1.01	24
10.0	0.83	12.0	0.85	14.6	0.90	17.1	0.92	19.6	0.94	22.1	0.96	24.6	0.98	27.1	0.99	29.6	1.00	25
A52		**A60**		**A68**		**A76**		**A84**		**A92**		**A100**		**A110**		**A120**		
17.8	0.93	21.9	0.96	25.9	0.98	29.9	1.01	33.9	1.03	37.9	1.04	41.9	1.08	46.9	1.09	51.9	1.11	26
15.0	0.91	19.0	0.94	23.1	0.97	27.1	1.00	31.1	1.02	35.1	1.04	39.1	1.07	44.1	1.09	49.1	1.11	27
13.8	0.90	17.8	0.94	21.9	0.97	25.9	0.99	29.9	1.02	33.9	1.03	37.9	1.07	42.9	1.09	47.9	1.10	28
—	—	14.7	0.91	18.7	0.95	22.8	0.98	26.8	1.00	30.9	1.02	34.9	1.06	39.9	1.08	44.9	1.10	29
—	—	13.4	0.90	17.5	0.94	21.6	0.97	25.6	1.00	29.6	1.02	33.7	1.05	38.7	1.08	43.7	1.09	30
A54		**A63**		**A72**		**A81**		**A90**		**A98**		**A105**		**A112**		**A128**		
—	—	13.7	0.90	18.3	0.95	22.9	0.98	27.4	1.01	31.4	1.05	35.0	1.06	38.5	1.08	46.5	1.11	31
18.6	0.93	23.7	0.97	27.6	1.00	32.1	1.02	36.7	1.04	40.7	1.07	44.2	1.08	47.7	1.10	55.7	1.12	32
18.4	0.93	22.9	0.97	27.4	0.99	31.9	1.02	36.4	1.04	40.4	1.07	43.9	1.08	47.4	1.10	55.4	1.12	33
17.9	0.93	22.4	0.96	26.9	0.99	31.4	1.02	35.9	1.04	39.9	1.07	43.4	1.08	46.9	1.10	55.0	1.12	34
17.1	0.93	21.7	0.96	26.2	0.99	30.7	1.01	35.2	1.04	39.2	1.07	42.7	1.08	46.2	1.09	54.2	1.12	35
A42		**A48**		**A54**		**A60**		**A66**		**A72**		**A78**		**A84**		**A90**		
10.6	0.84	13.6	0.89	16.7	0.92	19.7	0.95	22.7	0.97	25.7	0.99	28.7	1.01	31.7	1.02	34.7	1.03	36
10.3	0.84	13.4	0.89	16.4	0.92	19.4	0.95	22.5	0.97	25.5	0.99	28.5	1.00	31.5	1.02	34.5	1.03	37
—	—	10.4	0.86	13.5	0.90	16.6	0.93	19.6	0.95	22.6	0.98	25.7	0.99	28.7	1.01	31.7	1.03	38
15.9	0.88	18.9	0.93	21.9	0.95	24.9	0.97	27.9	0.99	30.9	1.00	33.9	1.02	36.9	1.03	39.9	1.05	39
14.9	0.88	17.9	0.92	20.9	0.95	23.9	0.97	26.9	0.98	29.9	1.00	32.9	1.02	35.9	1.03	39.0	1.04	40
A44		**A50**		**A56**		**A62**		**A68**		**A74**		**A81**		**A88**		**A95**		
15.7	0.89	18.7	0.93	21.7	0.95	24.7	0.97	27.7	0.99	30.7	1.01	34.2	1.02	37.7	1.04	41.2	1.05	41
10.8	0.85	13.9	0.90	16.9	0.93	20.0	0.95	23.0	0.97	26.0	0.99	29.5	1.01	33.0	1.03	36.5	1.04	42
—	—	12.1	0.88	15.2	0.91	18.2	0.94	21.3	0.96	24.3	0.98	27.8	1.00	31.3	1.02	34.8	1.04	43
—	—	11.4	0.87	14.5	0.91	17.5	0.94	20.5	0.96	23.6	0.98	27.1	1.00	30.6	1.02	34.1	1.04	44
14.7	0.88	17.7	0.92	20.7	0.95	23.7	0.97	26.7	0.99	29.8	1.00	33.3	1.02	36.8	1.04	40.3	1.05	45
A48		**A55**		**A63**		**A70**		**A77**		**A84**		**A91**		**A98**		**A105**		
16.5	0.91	20.0	0.94	24.0	0.97	27.5	0.99	31.0	1.01	34.5	1.03	38.0	1.04	41.5	1.07	45.0	1.09	46
15.5	0.91	19.0	0.94	23.0	0.97	26.6	0.99	30.1	1.01	33.6	1.03	37.1	1.04	40.6	1.07	44.1	1.08	47
15.3	0.91	18.8	0.94	22.8	0.97	26.3	0.99	29.8	1.01	33.3	1.02	36.8	1.04	40.3	1.07	43.8	1.08	48
14.3	0.90	17.8	0.93	21.8	0.96	25.3	0.98	28.9	1.00	32.4	1.02	35.9	1.04	39.4	1.07	42.9	1.08	49
—	—	12.2	0.88	16.3	0.93	19.8	0.96	23.4	0.98	26.9	1.00	30.4	1.02	33.9	1.05	37.5	1.07	50
A54		**A63**		**A72**		**A81**		**A90**		**A98**		**A105**		**A112**		**A128**		
—	—	14.8	0.91	19.4	0.96	23.9	0.99	28.5	1.01	32.5	1.05	36.0	1.06	39.5	1.08	47.6	1.11	51
—	—	13.7	0.90	18.4	0.95	22.9	0.98	27.5	1.01	31.5	1.04	35.0	1.06	38.6	1.08	46.6	1.11	52
16.1	0.92	20.6	0.96	25.1	0.99	29.7	1.01	34.2	1.03	38.2	1.07	41.7	1.08	45.2	1.09	53.2	1.12	53
13.6	0.90	18.2	0.94	22.7	0.97	27.3	1.00	31.8	1.03	35.8	1.06	39.3	1.07	42.8	1.09	50.8	1.11	54
21.8	0.95	26.3	0.98	30.8	1.00	35.3	1.03	39.8	1.05	43.8	1.08	47.3	1.09	50.8	1.10	58.8	1.13	55
A36		**A40**		**A45**		**A50**		**A55**		**A60**		**A65**		**A70**		**A75**		
12.3	0.85	14.3	0.87	16.8	0.91	19.3	0.93	21.8	0.95	24.3	0.97	26.8	0.98	29.3	1.00	31.8	1.01	56
12.0	0.85	14.1	0.87	16.6	0.91	19.1	0.93	21.6	0.95	24.1	0.97	26.6	0.98	29.1	1.00	31.6	1.01	57
11.8	0.84	13.8	0.87	16.3	0.91	18.8	0.93	21.3	0.95	23.9	0.97	26.4	0.98	28.9	1.00	31.4	1.01	58
11.6	0.84	13.6	0.87	16.1	0.91	18.6	0.93	21.1	0.95	23.6	0.96	26.1	0.98	28.6	1.00	31.1	1.01	59
11.3	0.84	13.3	0.86	15.8	0.90	18.4	0.93	20.9	0.95	23.4	0.96	25.9	0.98	28.4	0.99	30.9	1.01	60
A36		**A40**		**A45**		**A50**		**A55**		**A60**		**A65**		**A70**		**A75**		
11.1	0.84	13.1	0.86	15.6	0.90	18.1	0.92	20.6	0.94	23.1	0.96	25.6	0.98	28.1	0.99	30.6	1.01	61
10.8	0.84	12.8	0.86	15.4	0.90	17.9	0.92	20.4	0.94	22.9	0.96	25.4	0.98	27.9	0.99	30.4	1.01	62
10.6	0.83	12.6	0.86	15.1	0.90	17.6	0.92	20.1	0.94	22.7	0.96	25.2	0.98	27.7	0.99	30.2	1.01	63
10.3	0.83	12.4	0.86	14.9	0.90	17.4	0.92	19.9	0.94	22.4	0.96	24.9	0.98	27.4	0.99	29.9	1.01	64
10.1	0.83	12.1	0.85	14.6	0.90	17.2	0.92	19.7	0.94	22.2	0.96	24.7	0.98	27.2	0.99	29.7	1.00	65
A36		**A40**		**A45**		**A50**		**A55**		**A60**		**A65**		**A70**		**A75**		
9.8	0.82	11.9	0.85	14.4	0.89	16.9	0.92	19.4	0.94	21.9	0.96	24.4	0.97	26.9	0.99	29.5	1.00	66
9.6	0.82	11.6	0.85	14.1	0.89	16.7	0.92	19.2	0.94	21.7	0.96	24.2	0.97	26.7	0.99	29.2	1.00	67
9.3	0.82	11.4	0.85	13.9	0.89	16.4	0.92	18.9	0.94	21.5	0.96	24.0	0.97	26.5	0.99	29.0	1.00	68
8.8	0.81	10.9	0.84	13.4	0.89	15.9	0.91	18.5	0.93	21.0	0.95	23.5	0.97	26.0	0.99	28.5	1.00	69
8.1	0.80	10.1	0.83	12.7	0.88	15.2	0.91	17.7	0.93	20.2	0.95	22.8	0.97	25.3	0.98	27.8	1.00	70
A44		**A50**		**A56**		**A62**		**A68**		**A74**		**A81**		**A88**		**A95**		
11.4	0.85	14.5	0.90	17.5	0.93	20.5	0.95	23.5	0.97	26.6	0.99	30.1	1.01	33.6	1.03	37.1	1.04	71
10.9	0.85	14.0	0.90	17.0	0.93	20.0	0.95	23.1	0.97	26.1	0.99	29.6	1.01	33.1	1.03	36.6	1.04	72
10.4	0.84	13.5	0.89	16.5	0.92	19.5	0.95	22.6	0.97	25.6	0.99	29.1	1.01	32.6	1.03	36.1	1.04	73
—	—	11.4	0.87	14.5	0.91	17.6	0.94	20.6	0.96	23.6	0.98	27.2	1.00	30.7	1.02	34.2	1.04	74
—	—	10.9	0.86	14.0	0.90	17.1	0.93	20.1	0.96	23.2	0.98	26.7	1.00	30.2	1.02	33.7	1.04	75

B

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Datum Diameter Driver	Datum Diameter Driven	Type Fix.	Type Var.	Nominal Driven Speeds and Horsepower per Belt — 3500 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	1750 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	Center Distance in Inches and "F" Factor for Browning Belts: Belt No.	C.D.	F	Belt No.	C.D.	F	Belt No.	C.D.	F
1	2.00	1	3	7.0	14.2	X	X	—	—	—	875	9.12	9.65				A28			A36			A44		
2	2.01	1	1	5.2	10.7	X	X	1741	9.62	10.89	870	6.32	6.76	—	—		—	—		—	—		9.8	0.83
3	2.01	1	1	5.7	11.7	X	X	1741	10.65	12.07	870	7.12	7.59	—	—		—	—		—	—		—	—
4	2.02	1	3	3.2	8.7	X	—	1732	4.39	5.56	866	2.86	3.64	6.6	0.76		10.7	0.83		14.8	0.88	
5	2.02	1	2	3.3	6.9	X	X	1732	4.69	5.80	866	3.05	3.80	—	—		10.5	0.83		14.5	0.88	
6	2.02	1	1	3.7	7.7	X	—	1732	5.86	6.81	866	3.76	4.42			A28	—	—		A36			A44	
7	2.02	1	1	3.8	7.9	X	X	1732	6.14	7.11	866	3.94	4.58	—	—		9.5	0.82		13.6	0.87	
8	2.02	1	1	4.2	8.7	X	—	1732	7.22	8.26	866	4.63	5.18	—	—		9.2	0.82		13.3	0.87	
9	2.02	1	1	4.7	9.7	X	—	1732	8.48	9.62	866	5.49	5.91	—	—		8.2	0.80		12.3	0.86	
10	2.02	1	3	6.9	14.2	X	—	—	—	—	866	8.97	9.50	—	—		—	—		11.1	0.85	
11	2.00	1	10	7.0	14.4	X	X	—	—	—	866	9.12	9.65			A28	—	—		A37			A45	
12	2.02	1	2	7.4	15.2	X	—	—	—	—	866	9.70	10.26	—	—		—	—		—	—		—	—
13	2.03	1	1	2.7	5.7	X	—	1724	3.03	4.26	862	1.96	2.84	7.9	0.78		12.5	0.85		16.5	0.91	
14	2.03	1	1	2.8	5.9	X	X	1724	3.25	4.53	862	2.13	3.00	7.7	0.78		12.2	0.85		16.2	0.91	
15	2.03	1	3	4.9	10.2	X	—	1724	8.95	10.14	862	5.82	6.25	—	—		—	—		11.0	0.86	
16	2.03	1	3	5.4	11.2	X	—	1724	10.05	11.37	862	6.64	7.09			A26	—	—		A34			A42	
17	2.03	1	3	5.7	11.8	X	X	1724	10.65	12.07	862	7.12	7.59	—	—		—	—		—	—		—	—
18	2.03	1	3	5.9	12.2	X	—	1724	11.02	12.51	862	7.44	7.91	—	—		—	—		—	—		—	—
19	2.03	1	10	6.4	13.2	X	—	1724	11.87	13.54	862	8.22	8.71	—	—		—	—		—	—		—	—
20	2.04	1	1	3.9	8.2	X	—	1715	6.41	7.40	857	4.11	4.73	—	—		7.9	0.79		12.0	0.85	
21	2.04	1	6	4.2	8.8	X	—	1715	7.22	8.26	857	4.63	5.18			A24	—	—		A28			A32	
22	2.04	1	3	4.4	9.2	X	X	1715	7.74	8.81	857	4.98	5.47	—	—		—	—		—	—		—	—
23	2.04	1	3	4.7	9.8	X	—	1715	8.48	9.62	857	5.49	5.91	—	—		—	—		—	—		—	—
24	2.05	1	3	3.2	6.8	X	—	1707	4.39	5.56	853	2.86	3.64	—	—		6.6	0.76		8.6	0.80	
25	2.05	1	2	3.3	7.0	X	X	1707	4.69	5.80	853	3.05	3.80	—	—		—	—		8.4	0.80	
26	2.05	1	3	3.4	7.2	X	—	1707	4.99	6.05	853	3.23	3.96			A24	—	—		A30			A36	
27	2.05	1	2	3.5	7.4	X	—	1707	5.28	6.29	853	3.41	4.11	—	—		7.1	0.77		10.2	0.83	
28	2.05	1	3	3.6	7.6	X	X	1707	5.57	6.53	853	3.58	4.27	—	—		—	—		9.9	0.82	
29	2.05	1	2	3.7	7.8	X	—	1707	5.86	6.81	853	3.76	4.42	—	—		—	—		9.7	0.82	
30	2.05	1	1	5.6	11.7	X	X	1707	10.45	11.84	853	6.96	7.42	—	—		—	—		9.4	0.82	
31	2.05	1	3	6.8	14.2	X	—	1707	12.44	14.29	853	8.82	9.34			A28	—	—		A36			A44	
32	2.05	1	3	6.9	14.4	X	—	—	—	—	853	8.97	9.50	—	—		—	—		—	—		—	—
33	2.06	1	1	2.7	5.8	X	—	1699	3.03	4.26	849	1.96	2.84	7.8	0.78		11.9	0.84		15.9	0.89	
34	2.06	1	1	2.8	6.0	X	X	1699	3.25	4.53	849	2.13	3.00	7.6	0.78		11.6	0.84		15.7	0.89	
35	2.06	1	1	2.9	6.2	X	—	1699	3.47	4.79	849	2.32	3.16	7.3	0.77		11.4	0.84		15.4	0.88	
36	2.06	1	3	3.0	6.4	X	X	1699	3.78	5.05	849	2.50	3.32			A24	—	—		A30			A36	
37	2.06	1	2	3.1	6.6	X	—	1699	4.09	5.30	849	2.68	3.48	—	—		8.1	0.79		11.1	0.84	
38	2.06	1	1	4.1	8.7	X	—	1699	6.96	7.97	849	4.46	5.03	—	—		7.8	0.79		10.9	0.83	
39	2.06	1	1	4.6	9.7	X	—	1699	8.24	9.35	849	5.32	5.76	—	—		—	—		8.3	0.80	
40	2.06	1	6	5.6	11.8	X	X	1699	10.45	11.84	849	6.96	7.42	—	—		—	—		—	—	
41	2.06	1	3	5.8	12.2	X	—	1699	10.84	12.29	849	7.28	7.75			A26	—	—		A32			A38	
42	2.07	1	1	2.4	5.2	X	—	1690	2.37	3.43	845	1.57	2.34	7.6	0.77		10.6	0.82		13.6	0.86	
43	2.07	1	1	2.6	5.6	X	—	1690	2.81	3.99	845	1.83	2.67	7.1	0.77		10.1	0.82		13.1	0.86	
44	2.07	1	1	3.6	7.7	X	X	1690	5.57	6.53	845	3.58	4.27	—	—		7.5	0.78		10.6	0.83	
45	2.07	1	1	3.7	7.9	X	—	1690	5.86	6.81	845	3.76	4.42	—	—		—	—		10.3	0.83	
46	2.08	1	3	3.2	6.9	X	—	1682	4.39	5.56	841	2.86	3.64			A24	—	—		A29			A34	
47	2.08	1	1	4.3	9.2	X	—	1682	7.48	8.54	841	4.81	5.32	—	—		7.0	0.77		9.5	0.82	
48	2.08	1	6	4.4	9.4	X	X	1882	7.74	8.81	841	4.98	5.47	—	—		—	—		—	—	
49	2.08	1	6	4.6	9.8	X	—	1682	8.24	9.35	841	5.32	5.76	—	—		—	—		—	—	
50	2.08	1	6	4.8	10.2	X	—	1682	8.72	9.88	841	5.65	6.08	—	—		—	—		—	—	
51	2.08	1	3	6.7	14.2	X	X	1682	12.31	14.11	841	8.67	9.19			A28	—	—		A37			A45	
52	2.08	1	10	6.8	14.4	X	—	1682	12.44	14.29	841	8.82	9.34	—	—		—	—		—	—	
53	2.08	1	2	7.2	15.2	X	—	—	—	—	841	9.41	9.96	—	—		—	—		—	—	
54	2.09	1	2	3.1	6.7	X	—	1674	4.09	5.30	837	2.68	3.48	6.7	0.76		11.3	0.84		15.4	0.90	
55	2.09	1	1	4.1	8.8	X	—	1674	6.96	7.97	837	4.46	5.03	—	—		8.7	0.81		12.8	0.88	
56	2.09	1	1	5.0	10.7	X	X	1674	9.18	10.39	837	5.99	6.42			A26	—	—		A34			A42	
57	2.09	1	10	6.2	13.2	X	X	1674	11.55	13.14	837	7.91	8.40	—	—		—	—		—	—	
58	2.10	1	1	2.6	5.7	X	—	1666	2.81	3.99	833	1.83	2.67	7.0	0.76		11.0	0.83		15.1	0.86	
59	2.10	1	1	2.7	5.9	X	—	1666	3.03	4.26	833	1.96	2.84	6.7	0.76		10.8	0.83		14.8	0.88	
60	2.10	1	2	3.5	7.6	X	—	1666	5.28	6.29	833	3.41	4.11	—	—		8.7	0.80		12.8	0.86	
61	2.10	1	3	3.6	7.8	X	X	1666	5.57	6.53	833	3.58	4.27			A26	—	—		A32			A38	
62	2.10	1	3	3.8	8.2	X	X	1666	6.14	7.11	833	3.94	4.58	—	—		7.4	0.78		10.5	0.83	
63	2.10	1	3	5.7	12.2	X	X	1666	10.65	12.07	833	7.12	7.59	—	—		—	—		10.0	0.83	
64	2.11	1	3	3.2	7.0	X	—	1658	4.39	5.56	829	2.86	3.64	—	—		8.4	0.80		11.5	0.84	
65	2.11	1	2	3.3	7.2	X	X	1658	4.69	5.80	829	3.05	3.80	—	—		8.2	0.79		11.2	0.84	
66	2.11	1	3	3.4	7.4	X	—	1658	4.99	6.05	829	3.23	3.96			A28	—	—		A36			A44	
67	2.11	1	1	4.0	8.7	X	—	1658	6.69	7.69	829	4.29	4.88	—	—		10.0	0.82		14.0	0.87	
68	2.11	1	3	5.2	11.2	X	X	1658	9.62	10.89	829	6.32	6.76	—	—		8.4	0.80		12.5	0.86	
69	2.11	1	3	6.6	14.2	X	—	1658	12.17	13.93	829	8.52	9.03	—	—		—	—		—	—	
70	2.11	1	3	6.7	14.4	X	X	1658	12.31	14.11	829	8.67	9.19	—	—		—	—		—	—	
71	2.12	1	1	2.9	6.4	X	—	1650	3.47	4.79	825	2.32	3.16			A24	—	—		A30			A36	
72	2.12	1	3	3.0	6.6	X	X	1650	3.78	5.05	825	2.50	3.32	—	—		8.2	0.79		11.2	0.84	
73	2.12	1	2	3.1	6.8	X	—	1650	4.09	5.30	825	2.68	3.48	—	—		7.9	0.79		11.0	0.83	
74	2.12	1	3	4.7	10.2	X	—	1650	8.48	9.62	825	5.49	5.91	—	—		7.7	0.78		10.7	0.83	
75	2.12	1	1	5.4	11.7	X	—	1650	10.05	11.37	825	6.64	7.09	—	—		—	—		—	—	

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc—Length Factor (F) using Browning Belts

Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
A52		**A60**		**A68**		**A76**		**A84**		**A92**		**A100**		**A110**		**A120**		
—	—	13.5	0.90	17.6	0.94	21.7	0.97	25.8	1.00	29.8	1.02	33.8	1.05	38.8	1.07	43.9	1.09	1
13.9	0.90	18.0	0.94	22.0	0.97	26.0	0.99	30.0	1.01	34.1	1.03	38.1	1.07	43.1	1.09	48.1	1.10	2
12.6	0.89	16.7	0.93	20.8	0.96	24.8	0.99	28.8	1.01	32.9	1.03	36.9	1.06	41.9	1.08	46.9	1.10	3
18.8	0.93	22.8	0.96	26.8	0.99	30.8	1.01	34.8	1.03	38.8	1.05	42.8	1.08	47.8	1.10	52.8	1.11	4
18.6	0.93	22.6	0.96	26.6	0.99	30.6	1.01	34.6	1.03	38.6	1.05	42.6	1.08	47.6	1.10	52.6	1.11	5
A52		**A60**		**A68**		**A76**		**A84**		**A92**		**A100**		**A110**		**A120**		
17.6	0.92	21.6	0.96	25.6	0.98	29.6	1.00	33.6	1.03	37.6	1.04	41.7	1.07	46.7	1.09	51.7	1.11	6
17.3	0.92	21.4	0.95	25.4	0.98	29.4	1.00	33.4	1.02	37.4	1.04	41.4	1.07	46.4	1.09	51.4	1.11	7
16.4	0.92	20.4	0.95	24.4	0.98	28.4	1.00	32.4	1.02	36.5	1.04	40.5	1.07	45.5	1.09	50.5	1.11	8
15.1	0.91	19.2	0.94	23.2	0.97	27.2	1.00	31.2	1.02	35.3	1.04	39.3	1.07	44.3	1.09	49.3	1.11	9
—	—	13.6	0.90	17.7	0.94	21.8	0.97	25.8	1.00	29.9	1.02	33.9	1.05	38.9	1.07	43.9	1.09	10
A54		**A63**		**A72**		**A81**		**A90**		**A98**		**A105**		**A112**		**A128**		
—	—	14.9	0.91	19.5	0.95	24.1	0.99	28.6	1.01	32.6	1.05	36.2	1.06	39.7	1.08	47.7	1.11	11
—	—	13.9	0.90	18.5	0.95	23.1	0.98	27.6	1.01	31.7	1.04	35.2	1.06	38.7	1.08	46.7	1.10	12
21.0	0.94	25.5	0.98	30.0	1.00	34.5	1.02	39.0	1.04	43.0	1.08	46.5	1.09	50.0	1.10	58.0	1.13	13
20.8	0.94	25.3	0.97	29.8	1.00	34.3	1.02	38.8	1.04	42.8	1.08	46.3	1.09	49.8	1.10	57.8	1.13	14
15.6	0.91	20.1	0.95	24.7	0.98	29.2	1.01	33.7	1.03	37.7	1.06	41.2	1.08	44.7	1.09	52.7	1.12	15
A48		**A55**		**A63**		**A70**		**A77**		**A84**		**A91**		**A98**		**A105**		
11.2	0.87	14.8	0.91	18.9	0.94	22.4	0.97	26.0	0.99	29.5	1.01	33.0	1.03	36.5	1.06	40.0	1.07	16
10.5	0.86	14.1	0.90	18.2	0.94	21.7	0.97	25.2	0.99	28.8	1.01	32.3	1.03	35.8	1.06	39.3	1.07	17
—	—	13.6	0.90	17.7	0.94	21.2	0.96	24.7	0.99	28.3	1.01	31.8	1.03	35.3	1.06	38.8	1.07	18
—	—	12.3	0.88	16.4	0.93	20.0	0.96	23.5	0.98	27.1	1.00	30.6	1.02	34.1	1.05	37.6	1.07	19
15.0	0.90	18.5	0.93	22.5	0.96	26.1	0.99	29.6	1.01	33.1	1.02	36.6	1.04	40.1	1.07	43.6	1.08	20
A36		**A40**		**A45**		**A50**		**A55**		**A60**		**A65**		**A70**		**A75**		
8.1	0.80	10.2	0.83	12.7	0.88	15.3	0.91	17.8	0.93	20.3	0.95	22.8	0.97	25.3	0.98	27.9	1.00	21
—	—	9.7	0.83	12.2	0.87	14.8	0.90	17.3	0.93	19.8	0.95	22.3	0.96	24.9	0.98	27.4	1.00	22
—	—	8.9	0.81	11.5	0.87	14.0	0.90	16.6	0.92	19.1	0.94	21.6	0.96	24.1	0.98	26.6	0.99	23
10.6	0.83	12.7	0.86	15.2	0.90	17.7	0.92	20.2	0.94	22.7	0.96	25.2	0.98	27.7	0.99	30.2	1.01	24
10.4	0.83	12.4	0.86	15.0	0.90	17.5	0.92	20.0	0.94	22.5	0.96	25.0	0.98	27.5	0.99	30.0	1.00	25
A42		**A48**		**A54**		**A60**		**A66**		**A72**		**A78**		**A84**		**A90**		
13.2	0.86	16.2	0.91	19.2	0.94	22.2	0.96	25.3	0.98	28.3	1.00	31.3	1.01	34.3	1.03	37.3	1.04	26
12.9	0.86	16.0	0.91	19.0	0.93	22.0	0.96	25.0	0.98	28.0	0.99	31.0	1.01	34.0	1.03	37.0	1.04	27
12.7	0.86	15.7	0.91	18.8	0.93	21.8	0.96	24.8	0.98	27.8	0.99	30.8	1.01	33.8	1.03	36.8	1.04	28
12.5	0.86	15.5	0.91	18.5	0.93	21.5	0.95	24.5	0.98	27.5	0.99	30.6	1.01	33.6	1.02	36.6	1.04	29
—	—	10.6	0.86	13.7	0.90	16.8	0.93	19.8	0.95	22.9	0.97	25.9	0.99	28.9	1.01	31.9	1.02	30
A52		**A60**		**A68**		**A76**		**A84**		**A92**		**A100**		**A110**		**A120**		
—	—	13.7	0.90	17.8	0.94	21.9	0.97	25.9	1.00	29.9	1.02	34.0	1.05	39.0	1.07	44.0	1.09	31
—	—	13.4	0.89	17.5	0.94	21.6	0.97	25.7	1.00	29.7	1.02	33.7	1.05	38.7	1.07	43.8	1.09	32
19.9	0.94	23.9	0.96	27.9	0.99	31.9	1.01	35.9	1.03	39.9	1.05	44.0	1.08	49.0	1.10	54.0	1.11	33
19.7	0.93	23.7	0.96	27.7	0.99	31.7	1.01	35.7	1.03	39.7	1.05	43.7	1.08	48.7	1.10	53.7	1.11	34
19.4	0.93	23.4	0.96	27.5	0.99	31.5	1.01	35.5	1.03	39.5	1.05	43.5	1.08	48.5	1.10	53.5	1.11	35
A42		**A48**		**A54**		**A60**		**A66**		**A72**		**A78**		**A84**		**A90**		
14.2	0.87	17.2	0.92	20.2	0.94	23.2	0.96	26.2	0.98	29.2	1.00	32.2	1.01	35.2	1.03	38.2	1.04	36
13.9	0.87	16.9	0.91	20.0	0.94	23.0	0.96	26.0	0.98	29.0	1.00	32.0	1.01	35.0	1.03	38.0	1.04	37
11.4	0.85	14.4	0.90	17.5	0.93	20.5	0.95	23.5	0.97	26.5	0.99	29.5	1.01	32.5	1.02	35.5	1.04	38
10.1	0.83	13.2	0.89	16.2	0.92	19.3	0.94	22.3	0.96	25.3	0.98	28.3	1.00	31.3	1.02	34.3	1.03	39
—	—	10.5	0.85	13.6	0.89	16.7	0.93	19.7	0.95	22.8	0.97	25.8	0.99	28.8	1.01	31.8	1.02	40
A44		**A50**		**A56**		**A62**		**A68**		**A74**		**A81**		**A88**		**A95**		
—	—	11.1	0.86	14.2	0.90	17.2	0.93	20.3	0.96	23.3	0.98	26.8	1.00	30.4	1.02	33.9	1.03	41
16.6	0.89	19.6	0.93	22.6	0.95	25.6	0.97	28.6	0.99	31.7	1.01	35.2	1.03	38.7	1.04	42.2	1.06	42
16.1	0.89	19.2	0.93	22.2	0.95	25.2	0.97	28.2	0.99	31.2	1.01	34.7	1.02	38.2	1.04	41.7	1.05	43
13.6	0.87	16.7	0.91	19.7	0.94	22.7	0.96	25.7	0.98	28.7	1.00	32.2	1.02	35.7	1.03	39.2	1.05	44
13.4	0.87	16.4	0.91	19.4	0.94	22.4	0.96	25.5	0.98	28.5	1.00	32.0	1.02	35.5	1.03	39.0	1.05	45
A39		**A44**		**A49**		**A54**		**A59**		**A64**		**A69**		**A74**		**A80**		
12.1	0.85	14.6	0.88	17.1	0.92	19.6	0.94	22.1	0.96	24.7	0.97	27.2	0.99	29.7	1.00	32.7	1.02	46
9.2	0.82	11.8	0.85	14.3	0.90	16.9	0.92	19.4	0.94	21.9	0.96	24.4	0.98	26.9	0.99	30.0	1.01	47
9.0	0.81	11.5	0.85	14.1	0.89	16.6	0.92	19.2	0.94	21.7	0.96	24.2	0.98	26.7	0.99	29.7	1.01	48
—	—	11.0	0.84	13.6	0.89	16.1	0.92	18.7	0.94	21.2	0.96	23.7	0.97	26.2	0.99	29.2	1.01	49
—	—	10.5	0.84	13.1	0.89	15.6	0.91	18.2	0.93	20.7	0.95	23.2	0.97	25.7	0.99	28.7	1.00	50
A54		**A63**		**A72**		**A81**		**A90**		**A98**		**A105**		**A112**		**A128**		
—	—	15.3	0.91	19.9	0.95	24.5	0.99	29.1	1.01	33.0	1.05	36.6	1.06	40.1	1.08	48.1	1.11	51
—	—	15.0	0.91	19.6	0.95	24.2	0.99	28.8	1.01	32.8	1.05	36.3	1.06	39.8	1.08	47.9	1.11	52
—	—	14.0	0.90	18.6	0.95	23.2	0.98	27.8	1.01	31.8	1.04	35.3	1.06	38.9	1.07	46.9	1.10	53
19.9	0.94	24.4	0.97	28.9	1.00	33.4	1.02	37.9	1.04	41.9	1.07	45.4	1.09	48.9	1.10	56.9	1.12	54
17.4	0.92	21.9	0.96	26.4	0.99	30.9	1.01	35.4	1.03	39.5	1.07	43.0	1.08	46.5	1.09	54.5	1.12	55
A48		**A55**		**A63**		**A70**		**A77**		**A84**		**A91**		**A98**		**A105**		
12.0	0.87	15.6	0.91	19.6	0.95	23.2	0.97	26.7	0.99	30.2	1.01	33.7	1.03	37.2	1.06	40.7	1.08	56
—	—	12.4	0.88	16.6	0.92	20.1	0.95	23.7	0.98	27.2	1.00	30.7	1.02	34.2	1.05	37.8	1.07	57
18.1	0.92	21.6	0.95	25.6	0.97	29.1	1.00	32.6	1.01	36.1	1.03	39.6	1.05	43.1	1.08	46.6	1.09	58
17.8	0.92	21.3	0.95	25.3	0.97	28.9	0.99	32.4	1.01	35.9	1.03	39.4	1.05	42.9	1.07	46.4	1.09	59
15.8	0.91	19.3	0.94	23.3	0.97	26.9	0.99	30.4	1.01	33.9	1.02	37.4	1.04	40.9	1.07	44.4	1.08	60
A44		**A50**		**A56**		**A62**		**A68**		**A74**		**A81**		**A88**		**A95**		
13.5	0.87	16.6	0.91	19.6	0.94	22.6	0.96	25.6	0.98	28.6	1.00	32.1	1.02	35.6	1.03	39.1	1.05	61
13.0	0.86	16.1	0.91	19.1	0.94	22.1	0.96	25.1	0.98	28.1	1.00	31.7	1.02	35.2	1.03	38.7	1.05	62
—	—	11.1	0.86	14.2	0.90	17.3	0.93	20.3	0.95	23.4	0.98	26.9	1.00	30.4	1.02	33.9	1.03	63
14.5	0.88	17.5	0.92	20.6	0.94	23.6	0.97	26.6	0.98	29.6	1.00	33.1	1.02	36.6	1.04	40.1	1.05	64
14.3	0.87	17.3	0.92	20.3	0.94	23.3	0.96	26.3	0.98	29.3	1.00	32.8	1.02	36.4	1.04	39.9	1.05	65
A52		**A60**		**A68**		**A76**		**A84**		**A92**		**A100**		**A110**		**A120**		
18.1	0.93	22.1	0.96	26.1	0.98	30.1	1.01	34.1	1.03	38.1	1.04	42.1	1.07	47.1	1.09	52.1	1.11	66
16.5	0.92	20.5	0.95	24.6	0.98	28.6	1.00	32.6	1.02	36.6	1.04	40.6	1.07	45.6	1.09	50.6	1.11	67
13.4	0.89	17.5	0.93	21.6	0.96	25.6	0.99	29.6	1.01	33.6	1.03	37.7	1.06	42.7	1.08	47.7	1.10	68
—	—	13.8	0.90	17.9	0.94	22.0	0.97	26.0	1.00	30.1	1.02	34.1	1.05	39.1	1.07	44.2	1.09	69
—	—	13.5	0.89	17.7	0.94	21.7	0.97	25.8	0.99	29.8	1.02	33.9	1.05	38.9	1.07	43.9	1.09	70
A42		**A48**		**A54**		**A60**		**A66**		**A72**		**A78**		**A84**		**A90**		
14.2	0.87	17.3	0.91	20.3	0.94	23.3	0.96	26.3	0.98	29.3	1.00	32.3	1.01	35.3	1.03	38.3	1.04	71
14.0	0.87	17.0	0.91	20.0	0.94	23.0	0.96	26.1	0.98	29.1	1.00	32.1	1.01	35.1	1.03	38.1	1.04	72
13.8	0.87	16.8	0.91	19.8	0.94	22.8	0.96	25.8	0.98	28.8	1.00	31.8	1.01	34.8	1.03	37.8	1.04	73
9.6	0.82	12.7	0.88	15.7	0.91	18.8	0.94	21.8	0.96	24.8	0.98	27.8	1.00	30.8	1.01	33.8	1.03	74
—	—	10.8	0.85	13.9	0.89	16.9	0.93	20.0	0.95	23.0	0.97	26.0	0.99	29.1	1.01	32.1	1.02	75

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Datum Diameter Driver	Datum Diameter Driven	Type Fix.	Type Var.	Nominal Driven Speeds and Horsepower per Belt — 3500 RPM Driver: Nominal Driven Speed	HP per Belt Super	HP per Belt Gripnotch	1750 RPM Driver: Nominal Driven Speed	HP per Belt Super	HP per Belt Gripnotch	Center Distance in Inches and "F" Factor for Browning Belts — Belt No.	C.D.	F	Belt No.	C.D.	F	Belt No.	C.D.	F
														A24			A28			A32		
1	2.13	1	1	2.7	6.0	X	—	1643	3.03	4.26	821	1.96	2.84	—			7.6	0.78		9.7	0.81	
2	2.13	1	1	2.8	6.2	X	X	1643	3.25	4.53	821	2.13	3.00	—			7.4	0.77		9.4	0.81	
3	2.13	1	1	3.5	7.7	X	—	1643	5.28	6.29	821	3.41	4.11	—			—	—		7.6	0.78	
4	2.13	1	1	3.6	7.9	X	X	1643	5.57	6.53	821	3.58	4.27	—			—	—		7.3	0.78	
5	2.13	1	3	4.2	9.2	X	—	1643	7.22	8.26	821	4.63	5.18	—			—	—		—	—	
														A28			A37			A45		
6	2.13	1	1	4.3	9.4	X	—	1643	7.48	8.54	821	4.81	5.32	—			—	—		12.1	0.87	
7	2.13	1	1	4.9	10.7	X	—	1643	8.95	10.14	821	5.82	6.25	—			—	—		10.5	0.85	
8	2.13	1	3	5.6	12.2	X	X	1643	10.45	11.84	821	6.96	7.42	—			—	—		—	—	
9	2.13	1	2	7.0	15.2	X	X	—	—	—	821	9.12	9.65	—			—	—		—	—	
10	2.14	1	1	2.6	5.8	X	—	1635	2.82	3.99	817	1.83	2.67	7.9		0.78	12.5	0.85		16.5	0.91	
														A28			A36			A44		
11	2.14	1	3	4.0	8.8	X	—	1635	6.69	7.69	817	4.29	4.88	—			8.3	0.80		12.4	0.86	
12	2.14	1	6	5.4	11.8	X	—	1635	10.05	11.37	817	6.64	7.09	—			—	—		—	—	
13	2.14	1	10	6.6	14.4	X	—	1635	12.17	13.93	817	8.52	9.03	—			—	—		—	—	
14	2.15	1	1	2.4	5.4	X	—	1627	2.37	3.43	813	1.57	2.34	8.4		0.79	12.4	0.85		16.5	0.89	
15	2.15	1	3	3.0	6.7	X	X	1627	3.78	5.05	813	2.50	3.32	6.8		0.76	10.9	0.83		14.9	0.88	
														A24			A28			A32		
16	2.15	1	2	3.1	6.9	X	—	1627	4.09	5.30	813	2.68	3.48	—			6.5	0.76		8.6	0.80	
17	2.15	1	2	3.7	8.2	X	—	1627	5.86	6.81	813	3.76	4.42	—			—	—		—	—	
18	2.15	1	1	4.4	9.7	X	X	1627	7.74	8.81	813	4.98	5.47	—			—	—		—	—	
19	2.16	1	3	3.4	7.6	X	—	1620	4.99	6.05	810	3.23	3.96	—			—	—		7.7	0.78	
20	2.16	1	2	3.5	7.8	X	—	1620	5.28	6.29	810	3.41	4.11	—			—	—		7.5	0.78	
														A28			A36			A44		
21	2.16	1	6	4.6	10.2	X	—	1620	8.24	9.35	810	5.32	5.76	—			—	—		10.7	0.84	
22	2.16	1	6	6.0	13.2	X	X	1620	11.20	12.73	810	7.60	8.07	—			—	—		—	—	
23	2.16	1	2	6.9	15.2	X	—	—	—	—	810	8.97	9.50	—			—	—		—	—	
24	2.17	1	1	2.6	5.9	X	—	1612	2.82	3.99	806	1.83	2.67	7.8		0.78	11.9	0.84		15.9	0.88	
25	2.17	1	3	3.2	7.2	X	—	1612	4.39	5.56	806	2.86	3.64	—		—	10.3	0.82		14.3	0.87	
														A24			A28			A32		
26	2.17	1	2	3.3	7.4	X	X	1612	4.69	5.80	806	3.05	3.80	—			—	—		8.0	0.79	
27	2.17	1	1	3.9	8.7	X	—	1612	6.41	7.40	806	4.11	4.73	—			—	—		—	—	
28	2.17	1	6	4.4	9.8	X	X	1612	7.74	8.81	806	4.98	5.47	—			—	—		—	—	
29	2.18	1	3	3.0	6.8	X	X	1605	3.78	5.05	802	2.50	3.32	—			6.7	0.76		8.8	0.80	
30	2.18	1	2	3.1	7.0	X	—	1605	4.09	5.30	802	2.68	3.48	—			—	—		8.5	0.80	
														A28			A36			A44		
31	2.18	1	1	3.5	7.9	X	—	1605	5.28	6.29	802	3.41	4.11	—			9.4	0.81		13.5	0.87	
32	2.18	1	1	4.1	9.2	X	—	1605	6.96	7.97	802	4.46	5.03	—			—	—		11.9	0.85	
33	2.18	1	6	4.2	9.4	X	—	1605	7.22	8.26	802	4.63	5.18	—			—	—		11.7	0.85	
34	2.18	1	1	4.8	10.7	X	—	1605	8.72	9.88	802	5.65	6.08	—			—	—		10.1	0.83	
35	2.18	1	3	6.4	14.2	X	—	1605	11.87	13.54	802	8.22	8.71	—			—	—		—	—	
														A26			A33			A40		
36	2.19	1	1	2.9	6.6	X	—	1598	3.47	4.79	799	2.32	3.16	—			9.5	0.81		13.1	0.86	
37	2.19	1	1	3.4	7.7	X	—	1598	4.99	6.05	799	3.23	3.96	—			8.2	0.79		11.7	0.84	
38	2.19	1	1	3.9	8.8	X	—	1598	6.41	7.40	799	4.11	4.73	—			—	—		10.4	0.83	
39	2.19	1	3	5.0	11.2	X	X	1598	9.18	10.39	799	5.99	6.42	—			—	—		—	—	
40	2.19	1	3	5.9	13.2	X	—	1598	11.02	12.51	799	7.44	7.91	—			—	—		—	—	
														A28			A36			A44		
41	2.20	1	1	2.7	6.2	X	—	1590	3.04	4.26	795	1.96	2.84	7.5		0.77	11.5	0.84		15.6	0.88	
42	2.20	1	1	2.8	6.4	X	X	1590	3.25	4.53	795	2.13	3.00	7.2		0.77	11.3	0.83		15.3	0.88	
43	2.20	1	1	4.3	9.7	X	—	1590	7.48	8.54	795	4.81	5.32	—		—	—	—		11.3	0.84	
44	2.20	1	1	5.2	11.7	X	X	1590	9.62	10.89	795	6.32	6.76	—		—	—	—		—	—	
45	2.20	1	2	6.8	15.2	X	—	1590	12.44	14.29	795	8.82	9.34	—		—	—	—		—	—	
														A28			A36			A44		
46	2.21	1	1	2.6	6.0	X	—	1583	2.82	3.99	791	1.83	2.67	7.7		0.78	11.8	0.84		15.8	0.88	
47	2.21	1	3	3.0	6.9	X	X	1583	3.78	5.05	791	2.50	3.32	6.6		0.76	10.7	0.83		14.7	0.88	
48	2.21	1	3	3.6	8.2	X	X	1583	5.57	6.53	791	3.58	4.27	—		—	9.1	0.81		13.2	0.86	
49	2.21	1	3	5.4	12.2	X	—	1583	10.05	11.37	791	6.64	7.09	—		—	—	—		—	—	
50	2.21	1	10	6.4	14.4	X	—	1583	11.87	13.54	791	8.22	8.71	—		—	—	—		—	—	
														A24			A28			A32		
51	2.22	1	1	2.9	6.7	X	—	1576	3.47	4.79	788	2.32	3.16	—			6.9	0.76		8.9	0.80	
52	2.22	1	2	3.3	7.6	X	X	1576	4.69	5.80	788	3.05	3.80	—			—	—		7.8	0.78	
53	2.22	1	3	3.4	7.8	X	—	1576	4.99	6.05	788	3.23	3.96	—			—	—		7.5	0.78	
54	2.22	1	1	3.8	8.7	X	X	1576	6.14	7.11	788	3.94	4.58	—			—	—		—	—	
55	2.22	1	1	4.3	9.8	X	—	1576	7.48	8.54	788	4.81	5.32	—			—	—		—	—	
														A24			A30			A36		
56	2.22	1	1	4.7	10.7	X	—	1576	8.48	9.62	788	5.49	5.91	—			—	—		—	—	
57	2.22	1	6	5.2	11.8	X	X	1576	9.62	10.89	788	6.32	6.76	—			—	—		—	—	
58	2.23	1	1	2.4	5.6	X	—	1569	2.37	3.43	784	1.57	2.34	6.2		0.74	9.2	0.80		12.3	0.84	
59	2.23	1	3	3.2	7.4	X	—	1569	4.39	5.56	784	2.86	3.64	—		—	7.0	0.77		10.1	0.82	
60	2.23	1	3	4.0	9.2	X	—	1569	6.69	7.69	784	4.29	4.88	—		—	—	—		—	—	
														A28			A36			A44		
61	2.23	1	1	4.1	9.4	X	—	1569	6.96	7.97	784	4.46	5.03	—			—	—		11.8	0.85	
62	2.23	1	3	4.9	11.2	X	—	1569	8.95	10.14	784	5.82	6.25	—			—	—		—	—	
63	2.23	1	6	5.8	13.2	X	—	1569	10.84	12.29	784	7.28	7.75	—			—	—		—	—	
64	2.23	1	2	6.7	15.2	X	X	1569	12.31	14.11	784	8.67	9.19	—			—	—		—	—	
65	2.24	1	2	3.1	7.2	X	—	1562	4.09	5.30	781	2.68	3.48	—		—	10.4	0.82		14.4	0.87	
														A24			A28			A32		
66	2.25	1	1	2.9	6.8	X	—	1555	3.47	4.79	777	2.32	3.16	—			6.8	0.76		8.8	0.80	
67	2.25	1	3	3.0	7.0	X	X	1555	3.78	5.05	777	2.50	3.32	—			—	—		8.6	0.79	
68	2.25	1	1	3.3	7.7	X	X	1555	4.69	5.80	777	3.05	3.80	—			—	—		7.7	0.78	
69	2.25	1	1	3.4	7.9	X	—	1555	4.99	6.05	777	3.23	3.96	—			—	—		7.4	0.77	
70	2.25	1	3	3.8	8.8	X	X	1555	6.14	7.11	777	3.94	4.58	—			—	—		—	—	
														A28			A36			A44		
71	2.25	1	1	4.2	9.7	X	—	1555	7.22	8.26	777	4.63	5.18	—			—	—		11.4	0.84	
72	2.25	1	3	6.2	14.2	X	X	1555	11.55	13.14	777	7.91	8.40	—			—	—		—	—	
73	2.26	1	1	2.4	5.7	X	—	1548	2.37	3.43	774	1.57	2.34	8.1		0.78	12.2	0.84		16.2	0.89	
74	2.26	1	1	2.8	6.6	X	X	1548	3.26	4.53	774	2.13	3.00	7.0		0.76	11.1	0.83		15.2	0.88	
75	2.26	1	6	4.4	10.2	X	X	1548	7.74	8.81	774	4.98	5.47	—		—	—	—		10.8	0.83	

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts

Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Line No.
C.D.	F	C.D.	F	C.D. x	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
A36		A40		A45		A50		A55		A60		A65		A70		A75		
11.7	0.84	13.7	0.86	16.2	0.90	18.7	0.93	21.3	0.95	23.8	0.96	26.3	0.98	28.8	0.99	31.3	1.01	1
11.5	0.84	13.5	0.86	16.0	0.90	18.5	0.92	21.0	0.94	23.5	0.96	26.0	0.98	28.5	0.99	31.0	1.01	2
9.6	0.82	11.7	0.85	14.2	0.89	16.7	0.91	19.2	0.94	21.8	0.95	24.3	0.97	26.8	0.99	29.3	1.00	3
9.4	0.81	11.4	0.84	14.0	0.89	16.5	0.91	19.0	0.93	21.5	0.95	24.0	0.97	26.5	0.99	29.0	1.00	4
—	—	9.8	0.82	12.4	0.87	14.9	0.90	17.5	0.92	20.0	0.95	22.5	0.96	25.0	0.98	27.5	0.99	5
A54		A63		A72		A81		A90		A98		A105		A112		A128		
16.7	0.92	21.2	0.96	25.8	0.98	30.3	1.01	34.8	1.03	38.8	1.06	42.3	1.08	45.8	1.09	53.8	1.12	6
15.1	0.91	19.7	0.95	24.2	0.98	28.8	1.00	33.3	1.03	37.3	1.06	40.8	1.07	44.3	1.09	52.3	1.12	7
13.3	0.89	17.9	0.93	22.4	0.97	27.0	1.00	31.5	1.02	35.5	1.05	39.0	1.07	42.5	1.08	50.6	1.11	6
—	—	14.1	0.90	18.8	0.94	23.4	0.98	27.9	1.01	32.0	1.04	35.5	1.06	39.0	1.07	47.0	1.10	9
21.0	0.94	25.5	0.97	30.0	1.00	34.5	1.02	39.0	1.04	43.0	1.07	46.5	1.09	50.0	1.10	58.0	1.13	10
A52		A60		A68		A76		A84		A92		A100		A110		A120		
16.4	0.91	20.5	0.95	24.5	0.98	28.5	1.00	32.5	1.02	36.5	1.04	40.5	1.07	45.5	1.09	50.5	1.11	11
12.7	0.88	16.8	0.92	20.9	0.96	24.9	0.98	29.0	1.01	33.0	1.03	37.0	1.06	42.0	1.08	47.0	1.10	12
—	—	13.6	0.89	17.7	0.93	21.8	0.97	25.9	0.99	29.9	1.02	33.9	1.05	39.0	1.07	44.0	1.09	13
20.5	0.94	24.5	0.97	28.5	0.99	32.5	1.01	36.5	1.03	40.5	1.05	44.5	1.08	49.5	1.10	54.5	1.11	14
18.9	0.93	23.0	0.96	27.0	0.99	31.0	1.01	35.0	1.03	39.0	1.05	43.0	1.08	48.0	1.09	53.0	1.11	15
A36		A40		A45		A50		A55		A60		A65		A70		A75		
10.6	0.83	12.7	0.85	15.2	0.90	17.7	0.92	20.2	0.94	22.7	0.96	25.2	0.98	27.7	0.99	30.2	1.00	16
9.0	0.81	11.1	0.84	13.6	0.88	16.2	0.91	18.7	0.93	21.2	0.95	23.7	0.97	26.2	0.98	28.7	1.00	17
—	—	9.2	0.81	11.8	0.87	14.3	0.90	16.9	0.92	19.4	0.94	21.9	0.96	24.4	0.98	27.0	0.99	18
9.8	0.82	11.8	0.85	14.4	0.89	16.9	0.91	19.4	0.94	21.9	0.95	24.4	0.97	26.9	0.99	29.4	1.00	19
9.5	0.82	11.6	0.84	14.1	0.89	16.6	0.91	19.2	0.93	21.7	0.95	24.2	0.97	26.7	0.99	29.2	1.00	20
A52		A60		A68		A76		A84		A92		A100		A110		A120		
14.8	0.90	18.8	0.94	22.9	0.97	26.9	0.99	30.9	1.01	34.9	1.03	38.9	1.07	43.9	1.09	49.0	1.10	21
—	—	15.2	0.91	19.2	0.95	23.3	0.98	27.3	1.00	31.4	1.02	35.4	1.06	40.4	1.08	45.4	1.09	22
—	—	12.6	0.88	16.8	0.93	20.9	0.96	25.0	0.99	29.0	1.01	33.0	1.05	38.1	1.07	43.1	1.09	23
19.9	0.93	23.9	0.96	27.9	0.99	31.9	1.01	35.9	1.03	39.9	1.05	43.9	1.08	48.9	1.10	54.0	1.11	24
18.4	0.93	22.4	0.96	26.4	0.98	30.4	1.01	34.4	1.03	38.4	1.04	42.4	1.07	47.4	1.09	52.4	1.11	25
A36		A40		A45		A50		A55		A60		A65		A70		A75		
10.0	0.82	12.1	0.85	14.6	0.89	17.1	0.92	19.6	0.94	22.2	0.96	24.7	0.97	27.2	0.99	29.7	1.00	26
8.4	0.80	10.5	0.83	13.0	0.88	15.6	0.91	18.1	0.93	20.6	0.95	23.1	0.97	25.6	0.98	28.2	1.00	27
—	—	9.1	0.81	11.7	0.86	14.2	0.89	16.8	0.92	19.3	0.94	21.8	0.96	24.4	0.98	26.9	0.99	28
10.8	0.83	12.8	0.86	15.3	0.90	17.9	0.92	20.4	0.94	22.9	0.96	25.4	0.98	27.9	0.99	30.4	1.00	29
10.5	0.83	12.6	0.85	15.1	0.90	17.6	0.92	20.1	0.94	22.6	0.96	25.1	0.97	27.7	0.99	30.2	1.00	30
A52		A60		A68		A76		A84		A92		A100		A110		A120		
17.6	0.92	21.6	0.95	25.6	0.98	29.6	1.00	33.6	1.02	37.6	1.04	41.6	1.07	46.6	1.09	51.7	1.11	31
16.0	0.91	20.0	0.94	24.1	0.97	28.1	1.00	32.1	1.02	36.1	1.04	40.1	1.07	45.1	1.09	50.1	1.11	32
15.8	0.91	19.8	0.94	23.8	0.97	27.9	1.00	31.9	1.02	35.9	1.04	39.9	1.07	44.9	1.09	49.9	1.11	33
14.2	0.89	18.2	0.93	22.3	0.96	26.3	0.99	30.3	1.01	34.4	1.03	38.4	1.06	43.4	1.08	48.4	1.10	34
—	—	13.9	0.89	18.1	0.94	22.1	0.97	26.2	0.99	30.2	1.02	34.3	1.05	39.3	1.07	44.3	1.09	35
A46		A52		A58		A65		A72		A79		A86		A93		A100		
16.1	0.90	19.1	0.93	22.1	0.95	25.6	0.98	29.1	1.00	32.6	1.02	36.1	1.03	39.6	1.05	43.2	1.08	36
14.8	0.89	17.8	0.92	20.8	0.95	24.3	0.97	27.9	0.99	31.4	1.01	34.9	1.03	38.4	1.04	41.9	1.07	37
13.5	0.88	16.5	0.91	19.5	0.94	23.1	0.96	26.6	0.99	30.1	1.01	33.6	1.02	37.1	1.04	40.6	1.07	38
10.5	0.85	13.6	0.89	16.6	0.92	20.2	0.95	23.7	0.97	27.3	1.00	30.8	1.01	34.3	1.03	37.8	1.06	39
—	—	11.1	0.86	14.2	0.90	17.8	0.93	21.3	0.96	24.9	0.98	28.4	1.01	31.9	1.02	35.5	1.05	40
A52		A60		A68		A76		A84		A92		A100		A110		A120		
19.6	0.93	23.6	0.96	27.6	0.99	31.6	1.01	35.6	1.03	39.6	1.05	43.6	1.08	48.6	1.10	53.6	1.11	41
19.3	0.93	23.4	0.96	27.4	0.99	31.4	1.01	35.4	1.03	39.4	1.05	43.4	1.08	48.4	1.10	53.4	1.11	42
15.4	0.90	19.5	0.94	23.5	0.97	27.5	0.99	31.5	1.02	35.6	1.04	39.6	1.07	44.6	1.09	49.6	1.10	43
13.0	0.88	17.1	0.92	21.1	0.96	25.2	0.98	29.2	1.01	33.2	1.03	37.2	1.06	42.3	1.08	47.3	1.10	44
—	—	12.7	0.88	16.9	0.92	21.0	0.96	25.0	0.99	29.1	1.01	33.1	1.05	38.1	1.07	43.2	1.09	45
A52		A60		A68		A76		A84		A92		A100		A110		A120		
19.8	0.93	23.8	0.96	27.8	0.99	31.9	1.01	35.9	1.03	39.9	1.05	43.9	1.08	48.9	1.10	53.9	1.11	46
18.8	0.93	22.8	0.96	26.8	0.98	30.8	1.01	34.8	1.03	38.8	1.04	42.8	1.08	47.8	1.09	52.8	1.11	47
17.2	0.92	21.3	0.95	25.3	0.98	29.3	1.00	33.3	1.02	37.3	1.04	41.3	1.07	46.3	1.09	51.3	1.11	48
12.4	0.87	16.5	0.92	20.6	0.95	24.6	0.98	28.6	1.00	32.7	1.03	36.7	1.06	41.7	1.08	46.7	1.10	49
—	—	13.7	0.89	17.9	0.93	22.0	0.97	26.0	0.99	30.1	1.02	34.1	1.05	39.1	1.07	44.1	1.09	50
A36		A40		A45		A50		A55		A60		A65		A70		A75		
10.9	0.83	13.0	0.86	15.5	0.90	18.0	0.92	20.5	0.94	23.0	0.96	25.5	0.98	28.0	0.99	30.6	1.00	51
9.9	0.82	11.9	0.85	14.4	0.89	17.0	0.91	19.5	0.94	22.0	0.95	24.5	0.97	27.0	0.99	29.5	1.00	52
9.6	0.81	11.7	0.84	14.2	0.89	16.7	0.91	19.2	0.93	21.7	0.95	24.3	0.97	26.8	0.99	29.3	1.00	53
8.5	0.80	10.6	0.83	13.1	0.88	15.6	0.90	18.2	0.93	20.7	0.95	23.2	0.97	25.7	0.98	28.2	1.00	54
—	—	9.2	0.81	11.8	0.86	14.3	0.89	16.9	0,92	19.4	0.94	21.9	0.96	24.4	0.98	26.9	0.99	55
A42		A48		A54		A60		A66		A72		A78		A84		A90		
—	—	12.2	0.87	15.3	0.90	18.3	0.93	21.4	0.96	24.4	0.98	27.4	1.00	30.4	1.01	33.4	1.03	56
—	—	10.8	0.85	13.9	0.89	17.0	0.92	20.0	0.95	23.1	0.97	26.1	0.99	29,1	1.01	32.1	1.02	57
15.3	0.88	18.3	0.92	21.3	0.94	24.3	0.96	27.3	0.98	30.3	1.00	33.3	1.02	36.3	1.03	39.3	1.04	58
13.2	0.86	16.2	0.91	19.2	0.93	22.2	0.96	25.2	0.98	28.3	0.99	31.3	1.01	34.3	1.02	37.3	1.04	59
11.0	0.84	14.0	0.89	17.1	0.92	20.1	0.94	23.1	0.97	26.2	0.98	29.2	1.00	32.2	1.02	35.2	1.03	60
A52		A60		A68		A76		A84		A92		A100		A110		A120		
15.8	0.91	19.9	0.94	23.9	0.97	27.9	1.00	31.9	1.02	36.0	1.04	40.0	1.07	45.0	1.09	50.0	1.10	61
13.6	0.89	17.7	0.93	21.8	0.96	25.8	0.99	29.8	1.01	33.9	1.03	37.9	1.06	42.9	1.08	47.9	1.10	62
11.1	0.85	15.3	0.91	19.4	0.94	23.4	0.97	27.5	1.00	31.5	1.02	35.5	1.05	40.6	1.08	45.6	1.09	63
—	—	12.8	0.88	16.9	0.92	21.0	0.96	25.1	0.99	29.1	1.01	33.2	1.05	38.2	1.07	43.2	1.09	64
18.5	0.93	22.5	0.96	26.5	0.98	30.5	1.01	34.5	1.03	38.5	1.04	42.5	1.07	47.5	1.09	52.5	1.11	65
A36		A40		A45		A50		A55		A60		A65		A70		A75		
10.9	0.83	12.9	0.85	15.4	0.90	17.9	0.92	20.4	0.94	23.0	0.96	25.5	0.97	28.0	0.99	30.5	1.00	66
10.6	0.83	12.6	0.85	15.2	0.89	17.7	0.92	20.2	0.94	22.7	0.96	25.2	0.97	27.7	0.99	30.2	1.00	67
9.8	0.82	11.8	0.84	14.3	0.89	16.9	0.91	19.4	0.93	21.9	0.95	24.4	0.97	26.9	0.99	29.4	1.00	68
9.5	0.81	11.6	0.84	14.1	0.89	16.6	0.91	19.1	0.93	21.7	0.95	24.2	0.97	26.7	0.98	29.2	1.00	69
8.4	0.79	10.5	0.83	13.0	0.88	15.6	0.90	18.1	0.93	20.6	0.95	23.1	0.96	25.6	0.98	28.1	1.00	70
A52		A60		A68		A76		A84		A92		A100		A110		A120		
15.5	0.90	19.5	0.94	23.6	0.97	27.6	0.99	31.6	1.02	35.6	1.03	39.6	1.07	44.7	1.09	49.7	1.10	71
—	—	14.1	0.89	18.2	0.93	22.3	0.97	26.3	0.99	30.4	1.02	34.4	1.05	39.4	1.07	44.5	1.09	72
20.2	0.93	24.2	0.96	28.2	0.99	32.2	1.01	36.3	1.03	40.3	1.05	44.3	1.08	49.3	1.10	54.3	1.11	73
19.2	0.93	23.2	0.96	27.2	0.98	31.2	1.01	35.2	1.03	39.2	1.04	43.2	1.08	48.2	1.09	53.2	1.11	74
14.9	0.90	19.0	0.94	23.0	0.97	27.0	0.99	31.1	1.01	35.1	1.03	39.1	1.07	44.1	1.08	49.1	1.10	75

B

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Datum Diameter Driver	Datum Diameter Driven	Type Fix.	Type Var.	Nominal Driven Speeds and Horsepower per Belt — 3500 RPM Driver: Nominal Driven Speed	3500 RPM Driver: HP per Belt Super	3500 RPM Driver: HP per Belt Gripnotch	1750 RPM Driver: Nominal Driven Speed	1750 RPM Driver: HP per Belt Super	1750 RPM Driver: HP per Belt Gripnotch	Center Distance in Inches and "F" Factor for Browning Belts: Belt No C.D.	Belt No F	Belt No. C.D.	Belt No. F	Belt No. C.D.	Belt No. F
														A28		A36		A44	
1	2.26	1	2	6.6	15.2	X	—	1548	12.17	13.93	774	8.52	9.03	—	—	—	—	—	—
2	2.27	1	1	2.7	6.4	X	—	1541	3.04	4.26	770	1.96	2.84	7.3	0.77	11.4	0.83	15.4	0.88
3	2.27	1	2	3.5	8.2	X	—	1541	5.28	6.29	770	3.41	4.11	—	—	9.2	0.81	13.3	0.86
4	2.27	1	6	4.2	9.8	X	—	1541	7.22	8.26	770	4.63	5.18	—	—	—	—	11.3	0.84
5	2.27	1	1	4.6	10.7	X	—	1541	8.24	9.35	770	5.32	5.76	—	—	—	—	10.2	0.83
														A26		A33		A40	
6	2.27	1	3	4.8	11.2	X	—	1541	8.72	9.88	770	5.65	6.08	—	—	—	—	—	—
7	2.27	1	3	5.7	13.2	X	X	1541	10.65	12.07	770	7.12	7.59	—	—	—	—	—	—
8	2.28	1	1	2.6	6.2	X	—	1535	2.82	3.99	767	1.83	2.67	6.5	0.75	10.1	0.81	13.6	0.86
9	2.28	1	2	3.3	7.8	X	X	1535	4.69	5.80	767	3.05	3.80	—	—	8.1	0.79	11.7	0.84
10	2.28	1	1	3.7	8.7	X	—	1535	5.86	6.81	767	3.76	4.42	—	—	—	—	10.6	0.83
														A28		A36		A44	
11	2.28	1	3	4.0	9.4	X	—	1535	6.69	7.69	767	4.29	4.88	—	—	—	—	11.8	0.85
12	2.28	1	1	5.0	11.7	X	X	1535	9.18	10.39	767	5.99	6.42	—	—	—	—	—	—
13	2.28	1	10	6.2	14.4	X	X	1535	11.55	13.14	767	7.91	8.40	—	—	—	—	—	—
14	2.29	1	1	2.8	6.7	X	X	1528	3.26	4.53	764	2.13	3.00	6.9	0.76	11.0	0.83	15.1	0.88
15	2.29	1	1	2.9	6.9	X	—	1528	3.47	4.79	764	2.32	3.16	6.7	0.75	10.8	0.83	14.8	0.88
														A24		A30		A36	
16	2.29	1	3	3.2	7.6	X	—	1528	4.39	5.56	764	2.86	3.64	—	—	—	—	9.9	0.82
17	2.29	1	1	3.9	9.2	X	—	1528	6.41	7.40	764	4.11	4.73	—	—	—	—	—	—
18	2.29	1	3	5.2	12.2	X	X	1528	9.62	10.89	764	6.32	6.76	—	—	—	—	—	—
19	2.30	1	1	2.4	5.8	X	—	1521	2.38	3.43	760	1.57	2.34	6.0	0.73	9.1	0.80	12.1	0.84
20	2.30	1	2	3.1	7.4	X	—	1521	4.09	5.30	760	2.68	3.48	—	—	7.1	0.76	10.2	0.82
														A24		A30		A36	
21	2.30	1	2	3.7	8.8	X	—	1521	5.86	6.81	760	3.76	4.42	—	—	—	—	8.5	0.79
22	2.30	1	1	4.1	9.7	X	—	1521	6.96	7.97	760	4.46	5.03	—	—	—	—	—	—
23	2.30	1	6	5.0	11.8	X	X	1521	9.18	10.39	760	5.99	6.42	—	—	—	—	—	—
24	2.31	1	3	3.0	7.2	X	X	1515	3.78	5.05	757	2.50	3.32	—	—	7.3	0.77	10.4	0.82
25	2.31	1	1	3.3	7.9	X	X	1515	4.69	5.80	757	3.05	3.80	—	—	—	—	9.6	0.81
														A26		A33		A40	
26	2.31	1	1	4.3	10.2	X	—	1515	7.48	8.54	757	4.81	5.32	—	—	—	—	8.8	0.80
27	2.31	1	6	5.6	13.2	X	X	1515	10.45	11.84	757	6.96	7.42	—	—	—	—	—	—
28	2.32	1	1	2.9	7.0	X	—	1508	3.47	4.79	754	2.32	3.16	—	—	9.1	0.80	12.7	0.85
29	2.32	1	1	3.2	7.7	X	—	1508	4.39	5.56	754	2.86	3.64	—	—	8.3	0.79	11.9	0.84
30	2.32	1	1	4.1	9.8	X	—	1508	6.96	7.97	754	4.46	5.03	—	—	—	—	9.3	0.81
														A28		A36		A44	
31	2.32	1	3	4.7	11.2	X	—	1508	8.48	9.62	754	5.49	5.91	—	—	—	—	9.6	0.81
32	2.32	1	3	6.0	14.2	X	X	1508	11.20	12.73	754	7.60	8.07	—	—	—	—	—	—
33	2.33	1	1	2.8	6.8	X	X	1502	3.26	4.53	751	2.13	3.00	6.8	0.78	10.9	0.83	15.0	0.88
34	2.33	1	3	3.4	8.2	X	—	1502	4.99	6.05	751	3.23	3.96	—	—	9.2	0.81	13.3	0.86
35	2.33	1	1	4.9	11.7	X	—	1502	8.95	10.14	751	5.82	6.25	—	—	—	—	—	—
														A28		A36		A44	
36	2.33	1	2	6.4	15.2	X	—	1502	11.87	13.54	751	8.22	8.71	—	—	—	—	—	—
37	2.34	1	1	2.4	5.9	X	—	1495	2.38	3.43	747	1.57	2.34	7.9	0.78	12.0	0.84	16.0	0.88
38	2.34	1	1	2.7	6.6	X	—	1495	3.04	4.26	747	1.96	2.84	7.1	0.76	11.2	0.83	15.2	0.88
39	2.34	1	1	3.6	8.7	X	X	1495	5.57	6.53	747	3.58	4.27	—	—	8.6	0.79	12.7	0.86
40	2.34	1	1	3.9	9.4	X	—	1495	6.41	7.40	747	4.11	4.73	—	—	—	—	11.9	0.85
														A24		A30		A36	
41	2.35	1	1	2.6	6.4	X	—	1489	2.82	3.99	744	1.84	2.67	—	—	8.4	0.79	11.4	0.83
42	2.35	1	3	3.2	7.8	X	—	1489	4.39	5.56	744	2.86	3.64	—	—	—	—	9.7	0.81
43	2.35	1	3	3.8	9.2	X	X	1489	6.14	7.11	744	3.94	4.58	—	—	—	—	—	—
44	2.35	1	1	4.0	9.7	X	—	1489	6.69	7.69	744	4.29	4.88	—	—	—	—	—	—
45	2.35	1	3	4.9	11.8	X	—	1489	8.95	10.14	744	5.82	6.25	—	—	—	—	—	—
														A28		A36		A44	
46	2.35	1	6	6.0	14.4	X	X	1489	11.20	12.73	744	7.60	8.07	—	—	—	—	—	—
47	2.36	1	1	2.8	6.9	X	X	1483	3.26	4.53	741	2.13	3.00	6.7	0.75	10.8	0.83	14.9	0.87
48	2.36	1	2	3.1	7.6	X	—	1483	4.09	5.30	741	2.68	3.48	—	—	10.0	0.82	14.1	0.87
49	2.36	1	3	3.6	8.8	X	X	1483	5.57	6.53	741	3.58	4.27	—	—	8.5	0.79	12.6	0.85
50	2.36	1	6	4.2	10.2	X	—	1483	7.22	8.26	741	4.63	5.18	—	—	—	—	10.9	0.83
														A26		A34		A42	
51	2.36	1	1	4.4	10.7	X	X	1483	7.74	8.81	741	4.98	5.47	—	—	—	—	9.3	0.81
52	2.36	1	3	5.9	14.2	X	—	1483	11.02	12.51	741	7.44	7.91	—	—	—	—	—	—
53	2.37	1	1	2.7	6.7	X	—	1476	3.04	4.26	738	1.96	2.84	—	—	10.1	0.81	14.1	0.87
54	2.37	1	3	3.0	7.4	X	X	1476	3.78	5.05	738	2.50	3.32	—	—	9.2	0.80	13.3	0.86
55	2.37	1	3	4.6	11.2	X	—	1476	8.24	9.35	738	5.32	5.76	—	—	—	—	—	—
														A24		A30		A36	
56	2.38	1	1	2.4	6.0	X	—	1470	2.38	3.43	735	1.57	2.34	5.8	0.73	8.9	0.79	11.9	0.84
57	2.38	1	1	2.9	7.2	X	—	1470	3.47	4.79	735	2.32	3.16	—	—	7.4	0.77	10.5	0.82
58	2.38	1	1	3.2	7.9	X	—	1470	4.39	5.56	735	2.86	3.64	—	—	—	—	9.7	0.81
59	2.38	1	3	4.0	9.8	X	—	1470	6.69	7.69	735	4.29	4.88	—	—	—	—	—	—
60	2.38	1	1	4.8	11.7	X	—	1470	8.72	9.88	735	5.65	6.08	—	—	—	—	—	—
														A28		A36		A44	
61	2.38	1	3	5.0	12.2	X	X	1470	9.18	10.39	735	5.99	6.42	—	—	—	—	—	—
62	2.39	1	1	3.1	7.7	X	—	1464	4.09	5.30	732	2.68	3.48	—	—	9.9	0.81	14.0	0.87
63	2.39	1	6	5.4	13.2	X	—	1464	10.05	11.37	732	6.64	7.09	—	—	—	—	—	—
64	2.39	1	3	5.9	14.4	X	—	1464	11.02	12.51	732	7.44	7.91	—	—	—	—	—	—
65	2.40	1	1	2.8	7.0	X	X	1458	3.26	4.53	729	2.13	3.00	6.6	0.75	10.8	0.82	14.8	0.87
														A26		A34		A42	
66	2.40	1	2	3.3	8.2	X	X	1458	4.69	5.80	729	3.05	3.80	—	—	8.3	0.79	12.4	0.85
67	2.40	1	1	3.5	8.7	X	—	1458	5.28	6.29	729	3.41	4.11	—	—	7.6	0.77	11.8	0.84
68	2.40	1	3	3.8	9.4	X	X	1458	6.14	7.11	729	3.94	4.58	—	—	—	—	10.9	0.83
69	2.40	1	6	4.8	11.8	X	—	1458	8.72	9.88	729	5.65	6.08	—	—	—	—	—	—
70	2.40	1	3	5.8	14.2	X	—	1458	10.84	12.29	729	7.28	7.75	—	—	—	—	—	—
														A28		A36		A44	
71	2.40	1	2	6.2	15.2	X	X	1458	11.55	13.14	729	7.91	8.40	—	—	—	—	—	—
72	2.41	1	1	2.7	6.8	X	—	1452	3.04	4.26	726	1.97	2.84	6.9	0.75	11.0	0.83	15.1	0.87
73	2.41	1	2	3.7	9.2	X	—	1452	5.86	6.81	726	3.76	4.42	—	—	8.1	0.78	12.2	0.85
74	2.41	1	1	3.9	9.7	X	—	1452	6.41	7.40	726	4.11	4.73	—	—	—	—	11.6	0.84
75	2.41	1	1	4.1	10.2	X	—	1452	6.96	7.97	726	4.46	5.03	—	—	—	—	11.0	0.83

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts																				Line No.
Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No				
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F			
A52		A60		A68		A76		A84		A92		A100		A110		A120				
—	—	12.8	0.88	17.0	0.92	21.1	0.96	25.2	0.99	29.2	1.01	33.3	1.05	38.3	1.07	43.3	1.09			1
19.4	0.93	23.4	0.96	27.4	0.99	31.5	1.01	35.5	1.03	39.5	1.05	43.5	1.08	48.5	1.09	53.5	1.11			2
17.3	0.92	21.3	0.95	25.4	0.98	29.4	1.00	33.4	1.02	37.4	1.04	41.4	1.07	46.4	1.09	51.4	1.11			3
15.4	0.90	19.5	0.94	23.5	0.97	27.5	0.99	31.5	1.01	35.5	1.03	39.6	1.07	44.6	1.09	49.6	1.10			4
14.3	0.89	18.4	0.93	22.4	0.96	26.5	0.99	30.5	1.01	34.5	1.03	38.5	1.06	43.5	1.08	48.5	1.10			5
A46		A52		A58		A65		A72		A79		A86		A93		A100				
10.6	0.85	13.7	0.89	16.8	0.92	20.3	0.95	23.9	0.97	27.4	0.99	30.9	1.01	34.4	1.03	38.0	1.06			6
—	—	11.2	0.85	14.3	0.89	17.9	0.93	21.5	0.96	25.0	0.98	28.6	1.00	32.1	1.02	35.6	1.05			7
16.6	0.91	19.7	0.93	22.7	0.95	26.2	0.98	29.7	1.00	33.2	1.02	36.7	1.03	40.2	1.05	43.7	1.08			8
14.8	0.89	17.8	0.92	20.8	0.94	24.3	0.97	27.8	0.99	31.4	1.01	34.9	1.03	38.4	1.04	41.9	1.07			9
13.7	0.88	16.7	0.91	19.8	0.94	23.3	0.96	26.8	0.99	30.3	1.01	33.8	1.02	37.3	1.04	40.8	1.07			10
A52		A60		A68		A76		A84		A92		A100		A110		A120				
15.9	0.91	19.9	0.94	24.0	0.97	28.0	1.00	32.0	1.02	36.0	1.04	40.0	1.07	45.1	1.09	50.1	1.10			11
13.1	0.88	17.2	0.92	21.3	0.96	25.3	0.98	29.3	1.01	33.4	1.03	37.4	1.06	42.4	1.08	47.4	1.10			12
—	—	13.9	0.89	18.0	0.93	22.1	0.96	26.2	0.99	30.2	1.01	34.2	1.05	39.3	1.07	44.3	1.09			13
19.1	0.93	23.1	0.96	27.1	0.98	31.1	1.01	35.1	1.03	39.1	1.04	43.1	1.08	48.2	1.09	53.2	1.11			14
18.9	0.93	22.9	0.96	26.9	0.98	30.9	1.01	34.9	1.03	38.9	1.04	42.9	1.08	47.9	1.09	52.9	1.11			15
A42		A48		A54		A60		A66		A72		A78		A84		A90				
13.0	0.86	16.0	0.90	19.0	0.93	22.1	0.95	25.1	0.97	28.1	0.99	31.1	1.01	34.1	1.02	37.1	1.04			16
11.0	0.84	14.1	0.89	17.2	0.92	20.2	0.94	23.2	0.96	26.2	0.98	29.2	1.00	32.3	1.02	35.3	1.03			17
—	—	10.4	0.84	13.5	0.88	16.6	0.92	19.7	0.94	22.7	0.97	25.8	0.99	28.8	1.00	31.8	1.02			18
15.1	0.87	18.1	0.92	21.1	0.94	24.2	0.96	27.2	0.98	30.2	1.00	33.2	1.02	36.2	1.03	39.2	1.04			19
13.2	0.86	16.3	0.91	19.3	0.93	22.3	0.95	25.3	0.97	28.3	0.99	31.3	1.01	34.3	1.02	37.3	1.04			20
A42		A48		A54		A60		A66		A72		A78		A84		A90				
11.6	0.84	14.6	0.89	17.7	0.92	20.7	0.95	23.7	0.97	26.7	0.99	29.7	1.00	32.7	1.02	35.7	1.03			21
10.4	0.83	13.5	0.88	16.6	0.91	19.6	0.94	22.6	0.96	25.7	0.98	28.7	1.00	31.7	1.02	34.7	1.03			22
—	—	10.9	0.85	14.1	0.89	17.1	0.92	20.2	0.95	23.2	0.97	26.2	0.99	29.3	1.01	32.3	1.02			23
13.5	0.86	16.5	0.91	19.5	0.93	22.5	0.96	25.6	0.98	28.6	0.99	31.6	1.01	34.6	1.02	37.6	1.04			24
12.6	0.85	15.7	0.90	18.7	0.93	21.7	0.95	24.8	0.97	27.8	0.99	30.8	1.01	33.8	1.02	36.8	1.04			25
A46		A52		A58		A65		A72		A79		A86		A93		A100				
11.9	0.86	15.0	0.90	18.0	0.93	21.6	0.95	25.1	0.98	28.6	1.00	32.1	1.02	35.6	1.03	39.2	1.06			26
—	—	11.3	0.85	14.4	0.89	18.0	0.93	21.6	0.96	25.1	0.98	28.6	1.00	32.2	1.02	35.7	1.05			27
15.7	0.90	18.8	0.93	21.8	0.95	25.3	0.97	28.8	0.99	32.3	1.01	35.8	1.03	39.3	1.05	42.8	1.07			28
14.9	0.89	18.0	0.92	21.0	0.95	24.5	0.97	28.0	0.99	31.5	1.01	35.0	1.03	38.5	1.04	42.0	1.07			29
12.4	0.87	15.5	0.90	18.5	0.93	22.1	0.96	25.6	0.98	29.1	1.00	32.6	1.02	36.1	1.04	39.6	1.07			30
A52		A60		A68		A76		A84		A92		A100		A110		A120				
13.8	0.89	17.9	0.93	21.9	0.96	26.0	0.99	30.0	1.01	34.0	1.03	38.0	1.06	43.0	1.08	48.1	1.10			31
—	—	14.2	0.89	18.3	0.93	22.4	0.97	26.5	0.99	30.5	1.01	34.5	1.05	39.6	1.07	44.6	1.09			32
19.0	0.93	23.0	0.96	27.0	0.98	31.0	1.01	35.1	1.03	39.1	1.04	43.1	1.08	48.1	1.09	53.1	1.11			33
17.4	0.92	21.4	0.95	25.4	0.98	29.4	1.00	33.5	1.02	37.5	1.04	41.5	1.07	46.5	1.09	51.5	1.11			34
13.2	0.88	17.3	0.92	21.3	0.95	25.4	0.98	29.4	1.01	33.4	1.03	37.5	1.06	42.5	1.08	47.5	1.10			35
A52		A60		A68		A76		A84		A92		A100		A110		A120				
—	—	12.9	0.87	17.1	0.92	21.2	0.96	25.3	0.99	29.4	1.01	33.4	1.04	38.4	1.07	43.5	1.09			36
20.1	0.93	24.1	0.96	28.1	0.99	32.1	1.01	36.1	1.03	40.1	1.05	44.1	1.08	49.1	1.10	54.1	1.11			37
19.3	0.93	23.3	0.96	27.3	0.98	31.3	1.01	35.3	1.03	39.3	1.04	43.3	1.08	48.3	1.09	53.3	1.11			38
16.8	0.91	20.8	0.95	24.9	0.97	28.9	1.00	32.9	1.02	36.9	1.04	40.9	1.07	45.9	1.09	50.9	1.11			39
16.0	0.91	20.0	0.94	24.1	0.97	28.1	0.99	32.1	1.02	36.1	1.04	40.1	1.07	45.1	1.09	50.1	1.10			40
A42		A48		A54		A60		A66		A72		A78		A84		A90				
14.5	0.87	17.5	0.91	20.5	0.94	23.5	0.96	26.5	0.98	29.5	1.00	32.5	1.01	35.5	1.03	38.5	1.04			41
12.8	0.85	15.8	0.90	18.9	0.93	21.9	0.95	24.9	0.97	27.9	0.99	30.9	1.01	33.9	1.02	36.9	1.04			42
11.1	0.83	14.2	0.89	17.2	0.92	20.3	0.94	23.3	0.96	26.3	0.98	29.3	1.00	32.3	1.02	35.3	1.03			43
10.5	0.83	13.6	0.88	16.7	0.91	19.7	0.94	22.7	0.96	25.7	0.98	28.8	1.00	31.8	1.01	34.8	1.03			44
—	—	11.0	0.85	14.1	0.89	17.2	0.92	20.2	0.95	23.3	0.97	26.3	0.99	29.3	1.00	32.4	1.02			45
A52		A60		A68		A76		A84		A92		A100		A110		A120				
—	—	14.0	0.89	18.2	0.93	22.2	0.96	26.3	0.99	30.3	1.01	34.4	1.05	39.4	1.07	44.4	1.09			46
18.9	0.93	22.9	0.96	27.0	0.98	31.0	1.01	35.0	1.03	39.0	1.04	43.0	1.07	48.0	1.09	53.0	1.11			47
18.1	0.92	22.1	0.95	26.2	0.98	30.2	1.00	34.2	1.02	38.2	1.04	42.2	1.07	47.2	1.09	52.2	1.11			48
16.7	0.91	20.8	0.95	24.8	0.97	28.8	1.00	32.8	1.02	36.8	1.04	40.8	1.07	45.8	1.09	50.8	1.11			49
15.0	0.90	19.1	0.93	23.2	0.96	27.2	0.99	31.2	1.01	35.2	1.03	39.2	1.06	44.2	1.08	49.3	1.10			50
A48		A55		A63		A70		A77		A84		A91		A98		A105				
12.4	0.87	16.0	0.91	20.0	0.94	23.6	0.97	27.1	0.99	30.6	1.01	34.2	1.03	37.7	1.06	41.2	1.07			51
—	—	11.6	0.86	15.8	0.91	19.4	0.94	23.0	0.97	26.5	0.99	30.1	1.01	33.6	1.04	37.1	1.06			52
17.2	0.91	20.7	0.94	24.7	0.97	28.2	0.99	31.7	1.01	35.2	1.03	38.7	1.04	42.2	1.07	45.7	1.08			53
16.3	0.90	19.9	0.93	23.9	0.96	27.4	0.99	30.9	1.01	34.4	1.02	37.9	1.04	41.4	1.07	44.9	1.08			54
11.8	0.86	15.4	0.90	19.5	0.94	23.0	0.97	26.5	0.99	30.1	1.01	33.6	1.03	37.1	1.06	40.6	1.07			55
A42		A48		A54		A60		A66		A72		A78		A84		A90				
14.9	0.87	18.0	0.92	21.0	0.94	24.0	0.96	27.0	0.98	30.0	1.00	33.0	1.01	36.0	1.03	39.0	1.04			56
13.6	0.86	16.6	0.91	19.6	0.93	22.6	0.95	25.6	0.97	28.6	0.99	31.6	1.01	34.7	1.02	37.7	1.04			57
12.7	0.85	15.8	0.90	18.8	0.93	21.8	0.95	24.8	0.97	27.8	0.99	30.8	1.01	33.9	1.02	36.9	1.04			58
10.4	0.82	13.5	0.88	16.6	0.91	19.6	0.94	22.6	0.96	25.7	0.98	28.7	1.00	31.7	1.01	34.7	1.03			59
—	—	11.2	0.85	14.3	0.89	17.4	0.92	20.4	0.95	23.4	0.97	26.5	0.99	29.5	1.01	32.5	1.02			60
A52		A60		A68		A76		A84		A92		A100		A110		A120				
12.6	0.87	16.8	0.92	20.8	0.95	24.9	0.98	28.9	1.00	33.0	1.02	37.0	1.06	42.0	1.08	47.0	1.10			61
18.0	0.92	22.1	0.95	26.1	0.98	30.1	1.00	34.1	1.02	38.1	1.04	42.1	1.07	47.1	1.09	52.1	1.11			62
11.4	0.85	15.6	0.90	19.7	0.94	23.7	0.97	27.8	1.00	31.8	1.02	35.8	1.05	40.9	1.07	45.9	1.09			63
—	—	14.1	0.89	18.2	0.93	22.3	0.96	26.4	0.99	30.4	1.01	34.5	1.05	39.5	1.07	44.5	1.09			64
18.8	0.93	22.9	0.96	26.9	0.98	30.9	1.00	34.9	1.02	38.9	1.04	42.9	1.07	47.9	1.09	52.9	1.11			65
A48		A55		A63		A70		A77		A84		A91		A98		A105				
15.4	0.90	19.0	0.93	23.0	0.96	26.5	0.98	30.0	1.00	33.5	1.02	37.0	1.04	40.5	1.07	44.1	1.08			66
14.8	0.89	18.4	0.93	22.4	0.96	25.9	0.98	29.5	1.00	33.0	1.02	36.5	1.03	40.0	1.06	43.5	1.08			67
14.0	0.88	17.6	0.92	21.6	0.95	25.1	0.98	28.7	1.00	32.2	1.02	35.7	1.03	39.2	1.06	42.7	1.08			68
11.1	0.85	14.7	0.89	18.8	0.93	22.3	0.96	25.9	0.98	29.4	1.00	32.9	1.02	36.5	1.05	40.0	1.07			69
—	—	11.7	0.86	15.9	0.91	19.5	0.94	23.1	0.97	26.6	0.99	30.2	1.01	33.7	1.04	37.2	1.06			70
A52		A60		A68		A76		A84		A92		A100		A110		A120				
—	—	13.1	0.87	17.3	0.92	21.4	0.96	25.5	0.98	29.5	1.01	33.5	1.04	38.6	1.07	43.6	1.09			71
19.1	0.93	23.1	0.96	27.1	0.98	31.1	1.01	35.1	1.03	39.1	1.04	43.1	1.07	48.1	1.09	53.2	1.11			72
16.3	0.91	20.3	0.94	24.4	0.97	28.4	0.99	32.4	1.02	36.4	1.04	40.4	1.07	45.4	1.09	50.4	1.10			73
15.7	0.90	19.8	0.94	23.8	0.97	27.8	0.99	31.8	1.01	35.9	1.03	39.9	1.07	44.9	1.09	49.9	1.10			74
15.1	0.90	19.2	0.93	23.2	0.96	27.3	0.99	31.3	1.01	35.3	1.03	39.3	1.06	44.3	1.08	49.3	1.10			75

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves		Datum Diameter		Type		Nominal Driven Speeds and Horsepower per Belt						Center Distance in Inches and 'F' Factor for Browning Belts					
								3500 RPM Driver			1750 RPM Driver			Belt No		Belt No.		Belt No.	
								Nominal Driven Speed	HP per Belt		Nominal Driven Speed	HP per Belt							
		Min	Max	Driver	Driven	Fix.	Var.		Super	Gripnotch		Super	Gripnotch	C.D.	F	C.D.	F	C.D.	F
														A24		A30		A36	
1	2.42	1	1	2.6	6.6	X	—	1446	2.82	3.99	723	1.84	2.67	—	—	8.2	0.78	11.3	0.83
2	2.42	1	2	3.1	7.8	X	—	1446	4.09	5.30	723	2.68	3.48	—	—	—	—	9.8	0.81
3	2.42	1	1	4.3	10.7	X	—	1446	7.48	8.54	723	4.81	5.32	—	—	—	—	—	—
4	2.42	1	1	4.7	11.7	X	—	1446	8.48	9.62	723	5.49	5.91	—	—	—	—	—	—
5	2.43	1	3	3.0	7.6	X	X	1440	3.78	5.05	720	2.50	3.32	—	—	6.9	0.76	10.1	0.81
														A28		A36		A44	
6	2.43	1	2	3.5	8.8	X	—	1440	5.28	6.29	720	3.41	4.11	—	—	8.6	0.79	12.7	0.85
7	2.43	1	1	3.9	9.8	X	—	1440	6.41	7.40	720	4.11	4.73	—	—	—	—	11.5	0.84
8	2.43	1	3	4.9	12.2	X	—	1440	8.95	10.14	720	5.82	6.25	—	—	—	—	—	—
9	2.43	1	6	5.8	14.4	X	—	1440	10.84	12.29	720	7.28	7.75	—	—	—	—	—	—
10	2.44	1	1	2.7	6.9	X	—	1434	3.04	4.26	717	1.97	2.84	6.8	0.75	10.9	0.82	15.0	0.87
														A26		A34		A42	
11	2.44	1	3	4.7	11.8	X	—	1434	8.48	9.62	717	5.49	5.91	—	—	—	—	—	—
12	2.44	1	3	5.7	14.2	X	X	1434	10.65	12.07	717	7.12	7.59	—	—	—	—	—	—
13	2.45	1	1	2.9	7.4	X	—	1428	3.47	4.79	714	2.32	3.16	—	—	9.3	0.80	13.4	0.86
14	2.45	1	1	3.1	7.9	X	—	1428	4.09	5.30	714	2.68	3.48	—	—	8.7	0.79	12.8	0.85
15	2.46	1	1	2.4	6.2	X	—	1422	2.38	3.43	711	1.57	2.34	6.6	0.75	10.7	0.82	14.8	0.87
														A24		A28		A32	
16	2.46	1	1	2.6	6.7	X	—	1422	2.83	3.99	711	1.84	2.67	—	—	7.1	0.76	9.1	0.80
17	2.46	1	1	2.8	7.2	X	X	1422	3.26	4.53	711	2.13	3.00	—	—	—	—	8.5	0.79
18	2.46	1	1	3.0	7.7	X	X	1422	3.78	5.05	711	2.50	3.32	—	—	—	—	7.9	0.78
19	2.46	1	2	3.7	9.4	X	—	1422	5.86	6.81	711	3.76	4.42	—	—	—	—	—	—
20	2.47	1	3	3.2	8.2	X	—	1417	4.39	5.56	708	2.86	3.64	—	—	—	—	7.3	0.76
														A24		A29		A34	
21	2.47	1	1	3.4	8.7	X	—	1417	4.99	6.05	708	3.23	3.96	—	—	—	—	7.7	0.77
22	2.47	1	3	3.6	9.2	X	X	1417	5.57	6.53	708	3.58	4.27	—	—	—	—	—	—
23	2.47	1	1	3.8	9.7	X	X	1417	6.14	7.11	708	3.94	4.58	—	—	—	—	—	—
24	2.47	1	3	4.0	10.2	X	—	1417	6.69	7.69	708	4.29	4.88	—	—	—	—	—	—
25	2.47	1	1	4.2	10.7	X	—	1417	7.22	8.26	708	4.63	5.18	—	—	—	—	—	—
														A26		A34		A42	
26	2.47	1	3	4.4	11.2	X	X	1417	7.74	8.81	708	4.98	5.47	—	—	—	—	—	—
27	2.47	1	1	4.6	11.7	X	—	1417	8.24	9.35	708	5.32	5.76	—	—	—	—	—	—
28	2.47	1	3	5.7	14.4	X	X	1417	10.65	12.07	708	7.12	7.59	—	—	—	—	—	—
29	2.48	1	1	2.7	7.0	X	—	1411	3.04	4.26	705	1.97	2.84	—	—	9.8	0.81	13.9	0.86
30	2.48	1	3	4.8	12.2	X	—	1411	8.72	9.88	705	5.65	6.08	—	—	—	—	—	—
														A28		A36		A44	
31	2.48	1	6	5.2	13.2	X	X	1411	9.62	10.89	705	6.32	6.76	—	—	—	—	—	—
32	2.48	1	3	5.6	14.2	X	X	1411	10.45	11.84	705	6.96	7.42	—	—	—	—	—	—
33	2.48	1	2	6.0	15.2	X	X	1411	11.20	12.73	705	7.60	8.07	—	—	—	—	—	—
34	2.50	1	1	2.6	6.8	X	—	1400	2.83	3.99	700	1.84	2.67	7.0	0.75	11.1	0.83	15.1	0.87
35	2.50	1	3	3.0	7.8	X	X	1400	3.78	5.05	700	2.50	3.32	—	—	9.9	0.81	14.0	0.86
														A26		A34		A42	
36	2.50	1	3	3.4	8.8	X	—	1400	4.99	6.05	700	3.23	3.96	—	—	—	—	11.8	0.84
37	2.50	1	3	3.8	9.8	X	X	1400	6.14	7.11	700	3.94	4.58	—	—	—	—	10.5	0.82
38	2.50	1	6	4.6	11.8	X	—	1400	8.24	9.35	700	5.32	5.76	—	—	—	—	—	—
39	2.51	1	1	2.9	7.6	X	—	1394	3.47	4.79	697	2.32	3.16	—	—	9.1	0.80	13.2	0.85
40	2.51	1	6	5.6	14.4	X	X	1394	10.45	11.84	697	6.96	7.42	—	—	—	—	—	—
														A28		A36		A44	
41	2.52	1	3	3.6	9.4	X	X	1388	5.57	6.53	694	3.58	4.27	—	—	—	—	12.1	0.84
42	2.52	1	2	5.9	15.2	X	—	1388	11.02	12.51	694	7.44	7.91	—	—	—	—	—	—
43	2.53	1	1	2.4	6.4	X	—	1383	2.38	3.43	691	1.58	2.34	7.5	0.76	11.6	0.83	15.6	0.88
44	2.53	1	1	2.6	6.9	X	—	1383	2.83	3.99	691	1.84	2.67	6.9	0.75	11.0	0.82	15.0	0.87
45	2.53	1	1	2.8	7.4	X	X	1383	3.26	4.53	691	2.13	3.00	—	—	10.4	0.82	14.5	0.87
														A24		A29		A34	
46	2.53	1	1	3.0	7.9	X	X	1383	3.78	5.05	691	2.50	3.32	—	—	—	—	8.8	0.79
47	2.53	1	1	3.7	9.7	X	—	1383	5.86	6.81	691	3.76	4.42	—	—	—	—	—	—
48	2.53	1	1	3.9	10.2	X	—	1383	6.41	7.40	691	4.11	4.73	—	—	—	—	—	—
49	2.53	1	1	4.1	10.7	X	—	1383	6.96	7.97	691	4.46	5.03	—	—	—	—	—	—
50	2.53	1	1	4.3	11.2	X	—	1383	7.48	8.54	691	4.81	5.32	—	—	—	—	—	—
														A24		A30		A36	
51	2.53	1	3	4.7	12.2	X	—	1383	8.48	9.62	691	5.49	5.91	—	—	—	—	—	—
52	2.54	1	1	2.9	7.7	X	—	1377	3.47	4.79	688	2.32	3.16	—	—	6.9	0.75	10.0	0.81
53	2.54	1	2	3.1	8.2	X	—	1377	4.09	5.30	688	2.68	3.48	—	—	—	—	9.4	0.80
54	2.54	1	1	3.3	8.7	X	X	1377	4.69	5.80	688	3.05	3.80	—	—	—	—	8.8	0.79
55	2.54	1	2	3.5	9.2	X	—	1377	5.28	6.29	688	3.41	4.11	—	—	—	—	8.2	0.78
														A28		A36		A44	
56	2.55	1	1	2.7	7.2	X	—	1372	3.05	4.26	686	1.97	2.84	6.5	0.74	10.6	0.82	14.7	0.87
57	2.56	1	2	3.7	9.8	X	—	1367	5.86	6.81	683	3.76	4.42	—	—	—	—	11.7	0.84
58	2.56	1	2	5.8	15.2	X	—	1367	10.84	12.29	683	7.28	7.75	—	—	—	—	—	—
59	2.57	1	1	2.6	7.0	X	—	1361	2.83	3.99	680	1.84	2.67	6.8	0.75	10.9	0.82	15.0	0.87
60	2.57	1	2	3.3	8.8	X	X	1361	4.69	5.80	680	3.05	3.80	—	—	8.7	0.79	12.9	0.85
														A26		A34		A42	
61	2.57	1	6	5.0	13.2	X	X	1361	9.18	10.39	680	5.99	6.42	—	—	—	—	—	—
62	2.57	1	3	5.4	14.2	X	—	1361	10.05	11.37	680	6.64	7.09	—	—	—	—	—	—
63	2.58	1	1	2.9	7.8	X	—	1356	3.48	4.79	678	2.32	3.16	—	—	8.9	0.79	13.0	0.85
64	2.58	1	1	4.4	11.7	X	X	1356	7.74	8.81	678	4.98	5.47	—	—	—	—	—	—
65	2.58	1	3	4.6	12.2	X	—	1356	8.24	9.35	678	5.32	5.76	—	—	—	—	—	—
														A24		A29		A34	
66	2.59	1	2	3.5	9.4	X	—	1351	5.28	6.29	675	3.41	4.11	—	—	—	—	—	—
67	2.59	1	1	4.0	10.7	X	—	1351	6.69	7.69	675	4.29	4.88	—	—	—	—	—	—
68	2.59	1	3	4.2	11.2	X	—	1351	7.22	8.26	675	4.63	5.18	—	—	—	—	—	—
69	2.60	1	1	2.8	7.6	X	X	1346	3.26	4.53	673	2.13	3.00	—	—	—	—	9.2	0.80
70	2.60	1	1	3.6	9.7	X	X	1346	5.57	6.53	673	3.58	4.27	—	—	—	—	—	—
														A26		A34		A42	
71	2.60	1	3	3.8	10.2	X	X	1346	6.14	7.11	673	3.94	4.58	—	—	—	—	10.2	0.81
72	2.60	1	6	4.4	11.8	X	X	1346	7.74	8.81	673	4.98	5.47	—	—	—	—	—	—
73	2.60	1	6	5.4	14.4	X	—	1346	10.05	11.37	673	6.64	7.09	—	—	—	—	—	—
74	2.61	1	1	2.4	6.6	X	—	1340	2.38	3.43	670	1.58	2.34	6.2	0.73	10.4	0.81	14.4	0.86
75	2.61	1	1	2.9	7.9	X	—	1340	3.48	4.79	670	2.32	3.16	—	—	8.8	0.79	12.9	0.85

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts

Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
A42		**A48**		**A54**		**A60**		**A66**		**A72**		**A78**		**A84**		**A90**		
14.3	0.87	17.3	0.91	20.3	0.94	23.3	0.96	26.4	0.98	29.4	1.00	32.4	1.01	35.4	1.03	38.4	1.04	1
12.9	0.85	15.9	0.90	18.9	0.93	22.0	0.95	25.0	0.97	28.0	0.99	31.0	1.01	34.0	1.02	37.0	1.04	2
9.3	0.80	12.5	0.87	15.5	0.90	18.6	0.93	21.6	0.95	24.7	0.97	27.7	0.99	30.7	1.01	33.7	1.02	3
—	—	11.2	0.85	14.3	0.89	17.4	0.92	20.5	0.95	23.5	0.97	26.5	0.99	29.6	1.00	32.6	1.02	4
13.1	0.86	16.2	0.90	19.2	0.93	22.2	0.95	25.2	0.97	28.2	0.99	31.2	1.01	34.3	1.02	37.3	1.04	5
A52		**A60**		**A68**		**A76**		**A84**		**A92**		**A100**		**A110**		**A120**		
16.8	0.91	20.8	0.94	24.9	0.97	28.9	1.00	32.9	1.02	36.9	1.04	40.9	1.07	45.9	1.09	50.9	1.11	6
15.6	0.90	19.7	0.94	23.7	0.97	27.7	0.99	31.8	1.01	35.8	1.03	39.8	1.07	44.8	1.08	49.8	1.10	7
12.7	0.87	16.8	0.92	20.9	0.95	25.0	0.98	29.0	1.00	33.0	1.02	37.0	1.06	42.1	1.08	47.1	1.10	8
—	—	14.1	0.89	18.3	0.93	22.4	0.96	26.4	0.99	30.5	1.01	34.5	1.05	39.6	1.07	44.6	1.09	9
19.0	0.93	23.0	0.96	27.0	0.98	31.0	1.00	35.1	1.02	39.1	1.04	43.1	1.07	48.1	1.09	53.1	1.11	10
A48		**A55**		**A63**		**A70**		**A77**		**A84**		**A91**		**A98**		**A105**		
11.1	0.85	14.8	0.89	18.9	0.93	22.4	0.96	26.0	0.98	29.5	1.00	33.0	1.02	36.5	1.05	40.0	1.07	11
—	—	11.8	0.85	16.0	0.91	19.6	0.94	23.1	0.97	26.7	0.99	30.2	1.01	33.8	1.04	37.3	1.06	12
16.4	0.90	19.9	0.93	24.0	0.96	27.5	0.99	31.0	1.01	34.5	1.02	38.0	1.04	41.5	1.07	45.0	1.08	13
15.8	0.90	19.4	0.93	23.4	0.96	26.9	0.98	30.4	1.00	33.9	1.02	37.4	1.04	40.9	1.07	44.5	1.08	14
17.8	0.91	21.3	0.94	25.3	0.97	28.8	0.99	32.3	1.01	35.8	1.03	39.4	1.04	42.9	1.07	46.4	1.09	15
A36		**A40**		**A45**		**A50**		**A55**		**A60**		**A65**		**A70**		**A75**		
11.2	0.83	13.2	0.85	15.7	0.89	18.2	0.92	20.7	0.94	23.3	0.96	25.8	0.97	28.3	0.99	30.8	1.00	16
10.6	0.82	12.6	0.85	15.1	0.89	17.7	0.91	20.2	0.94	22.7	0.95	25.2	0.97	27.7	0.99	30.2	1.00	17
10.0	0.81	12.0	0.84	14.6	0.89	17.1	0.91	19.6	0.93	22.1	0.95	24.6	0.97	27.1	0.98	29.7	1.00	18
—	—	10.0	0.81	12.5	0.86	15.1	0.89	17.6	0.92	20.2	0.94	22.7	0.96	25.2	0.98	27.7	0.99	19
9.4	0.80	11.4	0.83	14.0	0.88	16.5	0.91	19.0	0.93	21.6	0.95	24.1	0.97	26.6	0.98	29.1	1.00	20
A39		**A44**		**A49**		**A54**		**A59**		**A64**		**A69**		**A74**		**A80**		
10.3	0.82	12.9	0.85	15.4	0.90	18.0	0.92	20.5	0.94	23.0	0.96	25.5	0.98	28.0	0.99	31.0	1.01	21
9.7	0.81	12.3	0.85	14.8	0.89	17.4	0.92	19.9	0.94	22.4	0.96	24.9	0.97	27.5	0.99	30.5	1.01	22
9.1	0.80	11.7	0.84	14.2	0.89	16.8	0.91	19.3	0.93	21.9	0.95	24.4	0.97	26.9	0.99	29.9	1.00	23
—	—	11.1	0.83	13.7	0.88	16.2	0.91	18.7	0.93	21.3	0.95	23.8	0.97	26.3	0.98	29.3	1.00	24
—	—	10.4	0.82	13.0	0.87	15.6	0.90	18.2	0.92	20.7	0.95	23.2	0.96	25.7	0.98	28.8	1.00	25
A48		**A55**		**A63**		**A70**		**A77**		**A84**		**A91**		**A98**		**A105**		
11.9	0.86	15.5	0.90	19.6	0.94	23.2	0.96	26.7	0.99	30.2	1.01	33.7	1.02	37.2	1.06	40.8	1.07	26
11.3	0.85	14.9	0.89	19.0	0.93	22.6	0.96	26.1	0.98	29.6	1.00	33.2	1.02	36.7	1.05	40.2	1.07	27
—	—	11.6	0.85	15.8	0.90	19.4	0.94	23.0	0.97	26.5	0.99	30.1	1.01	33.6	1.04	37.1	1.06	28
16.9	0.91	20.4	0.94	24.4	0.97	28.0	0.99	31.5	1.01	35.0	1.02	38.5	1.04	42.0	1.07	45.5	1.08	29
10.7	0.84	14.3	0.89	18.4	0.93	22.0	0.96	25.5	0.98	29.1	1.00	32.6	1.02	36.1	1.05	39.6	1.07	30
A52		**A60**		**A68**		**A76**		**A84**		**A92**		**A100**		**A110**		**A120**		
11.5	0.85	15.7	0.90	19.8	0.94	23.9	0.97	27.9	1.00	32.0	1.02	36.0	1.05	41.0	1.07	46.0	1.09	31
—	—	14.5	0.89	18.6	0.93	22.7	0.96	26.8	0.99	30.8	1.01	34.8	1.05	39.9	1.07	44.9	1.09	32
—	—	13.2	0.87	17.4	0.92	21.5	0.96	25.6	0.98	29.7	1.01	33.7	1.04	38.7	1.07	43.8	1.09	33
19.2	0.93	23.2	0.96	27.2	0.98	31.2	1.00	35.2	1.03	39.2	1.04	43.2	1.07	48.2	1.09	53.2	1.11	34
18.0	0.92	22.0	0.95	26.1	0.98	30.1	1.00	34.1	1.02	38.1	1.04	42.1	1.07	47.1	1.09	52.1	1.11	35
A48		**A55**		**A63**		**A70**		**A77**		**A84**		**A91**		**A98**		**A105**		
14.8	0.89	18.4	0.92	22.4	0.95	25.9	0.98	29.4	1.00	33.0	1.02	36.5	1.03	40.0	1.06	43.5	1.08	36
13.6	0.88	17.2	0.91	21.3	0.95	24.8	0.97	28.3	0.99	31.8	1.01	35.3	1.03	38.9	1.06	42.4	1.07	37
11.2	0.85	14.8	0.89	18.9	0.93	22.5	0.96	26.0	0.98	29.6	1.00	33.1	1.02	36.6	1.05	40.1	1.07	38
16.2	0.90	19.8	0.93	23.8	0.96	27.3	0.98	30.8	1.00	34.3	1.02	37.8	1.04	41.3	1.07	44.8	1.08	39
—	—	11.6	0.85	15.8	0.90	19.5	0.94	23.0	0.97	26.6	0.99	30.1	1.01	33.7	1.04	37.2	1.06	40
A52		**A60**		**A68**		**A76**		**A84**		**A92**		**A100**		**A110**		**A120**		
16.2	0.90	20.0	0.94	24.3	0.97	28.3	0.99	32.3	1.01	36.3	1.03	40.3	1.07	45.4	1.09	50.4	1.10	41
—	—	13.3	0.87	17.5	0.92	21.6	0.95	25.7	0.98	29.7	1.01	33.8	1.04	38.8	1.06	43.8	1.08	42
19.6	0.93	23.7	0.96	27.7	0.98	31.7	1.01	35.7	1.03	39.7	1.04	43.7	1.08	48.7	1.09	53.7	1.11	43
19.1	0.92	23.1	0.96	27.1	0.98	31.1	1.00	35.1	1.02	39.1	1.04	43.1	1.07	48.1	1.09	53.1	1.11	44
18.5	0.92	22.5	0.95	26.5	0.98	30.6	1.00	34.6	1.02	38.6	1.04	42.6	1.07	47.6	1.09	52.6	1.11	45
A39		**A44**		**A49**		**A54**		**A59**		**A64**		**A69**		**A74**		**A80**		
11.3	0.83	13.9	0.86	16.4	0.90	18.9	0.93	21.5	0.95	24.0	0.96	26.5	0.98	29.0	0.99	32.0	1.01	46
9.1	0.80	11.7	0.84	14.3	0.88	16.9	0.91	19.4	0.93	21.9	0.95	24.4	0.97	27.0	0.99	30.0	1.00	47
—	—	11.1	0.83	13.7	0.88	16.3	0.91	18.8	0.93	21.3	0.95	23.9	0.97	26.4	0.98	29.4	1.00	48
—	—	10.5	0.82	13.1	0.87	15.7	0.90	18.2	0.92	20.8	0.94	23.3	0.96	25.8	0.98	28.8	1.00	49
—	—	9.9	0.81	12.5	0.86	15.1	0.89	17.6	0.92	20.2	0.94	22.7	0.96	25.2	0.98	28.3	1.00	50
A42		**A48**		**A54**		**A60**		**A66**		**A72**		**A78**		**A84**		**A90**		
—	—	10.7	0.84	13.9	0.88	17.0	0.91	20.0	0.94	23.1	0.96	26.1	0.98	29.1	1.00	32.2	1.02	51
13.1	0.85	16.2	0.90	19.2	0.93	22.2	0.95	25.2	0.97	28.2	0.99	31.2	1.01	34.2	1.02	37.3	1.04	52
12.5	0.85	15.6	0.90	18.6	0.92	21.6	0.95	24.6	0.97	27.7	0.99	30.7	1.00	33.7	1.02	36.7	1.03	53
11.9	0.84	15.0	0.89	18.0	0.92	21.1	0.94	24.1	0.97	27.1	0.98	30.1	1.00	33.1	1.02	36.1	1.03	54
11.3	0.83	14.4	0.88	17.4	0.91	20.5	0.94	23.5	0.96	26.5	0.98	29.5	1.00	32.6	1.02	35.6	1.03	55
A52		**A60**		**A68**		**A76**		**A84**		**A92**		**A100**		**A110**		**A120**		
18.7	0.92	22.8	0.95	26.8	0.98	30.8	1.00	34.8	1.02	38.8	1.04	42.8	1.07	47.8	1.09	52.8	1.11	56
15.8	0.90	19.8	0.94	23.9	0.97	27.9	0.99	31.9	1.01	35.9	1.03	39.9	1.06	44.9	1.08	50.0	1.10	57
—	—	13.3	0.87	17.5	0.92	21.7	0.95	25.7	0.98	29.8	1.01	33.8	1.04	38.9	1.06	43.9	1.08	58
19.0	0.92	23.0	0.95	27.0	0.98	31.0	1.00	35.0	1.02	39.1	1.04	43.1	1.07	48.1	1.09	53.1	1.11	59
16.9	0.91	21.0	0.94	25.0	0.97	29.0	1.00	33.0	1.02	37.0	1.04	41.1	1.07	46.1	1.09	51.1	1.10	60
A48		**A55**		**A63**		**A70**		**A77**		**A84**		**A91**		**A98**		**A105**		
—	—	13.2	0.87	17.4	0.92	21.0	0.95	24.5	0.97	28.1	1.00	31.6	1.01	35.1	1.05	38.6	1.06	61
—	—	12.0	0.85	16.2	0.90	19.8	0.94	23.3	0.97	26.9	0.99	30.4	1.01	34.0	1.04	37.5	1.06	62
16.1	0.90	19.6	0.93	23.6	0.96	27.1	0.98	30.7	1.00	34.2	1.02	37.7	1.04	41.2	1.07	44.7	1.08	63
11.4	0.85	15.1	0.89	19.2	0.93	22.7	0.96	26.3	0.98	29.8	1.00	33.3	1.02	36.8	1.05	40.3	1.07	64
10.8	0.84	14.5	0.89	18.6	0.93	22.1	0.96	25.7	0.98	29.2	1.00	32.7	1.02	36.3	1.05	39.8	1.07	65
A39		**A44**		**A49**		**A54**		**A59**		**A64**		**A69**		**A74**		**A80**		
9.6	0.80	12.2	0.84	14.7	0.89	17.3	0.91	19.8	0.93	22.3	0.95	24.8	0.97	27.4	0.99	30.4	1.00	66
—	—	10.6	0.82	13.2	0.87	15.8	0.90	18.3	0.92	20.8	0.94	23.4	0.96	25.9	0.98	28.9	1.00	67
—	—	9.9	0.81	12.6	0.86	15.2	0.89	17.7	0.92	20.3	0.94	22.8	0.96	25.3	0.98	28.3	0.99	68
11.7	0.83	14.3	0.87	16.8	0.91	19.3	0.93	21.9	0.95	24.4	0.96	26.9	0.98	29.4	1.00	32.4	1.01	69
9.2	0.80	11.8	0.84	14.4	0.88	16.9	0.91	19.5	0.93	22.0	0.95	24.5	0.97	27.0	0.98	30.1	1.00	70
A48		**A55**		**A63**		**A70**		**A77**		**A84**		**A91**		**A98**		**A105**		
13.3	0.87	16.9	0.91	20.9	0.94	24.5	0.97	28.0	0.99	31.5	1.01	35.0	1.03	38.5	1.06	42.0	1.07	71
11.3	0.84	15.0	0.89	19.1	0.93	22.6	0.96	26.2	0.98	29.7	1.00	33.2	1.02	36.7	1.05	40.3	1.07	72
—	—	11.7	0.85	16.0	0.90	19.6	0.94	23.2	0.96	26.7	0.99	30.3	1.01	33.8	1.04	37.3	1.06	73
17.5	0.91	21.0	0.94	25.0	0.97	28.5	0.99	32.0	1.01	35.5	1.03	39.0	1.04	42.5	1.07	46.0	1.08	74
16.0	0.90	19.5	0.93	23.5	0.96	27.1	0.98	30.6	1.00	34.1	1.02	37.6	1.04	41.1	1.07	44.6	1.08	75

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves		Datum Diameter		Type		Nominal Driven Speeds and Horsepower per Belt						Center Distance in Inches and "F" Factor for Browning Belts					
								3500 RPM Driver			1750 RPM Driver			Belt No.		Belt No.		Belt No.	
								Nominal Driven Speed	HP per Belt		Nominal Driven Speed	HP per Belt							
		Min	Max	Driver	Driven	Fix.	Var.		Super	Gripnotch		Super	Gripnotch	C.D.	F	C.D.	F	C.D.	F
														A28		A36		A44	
1	2.61	1	1	3.2	8.7	X	—	1340	4.39	5.56	670	2.86	3.64	—	—	8.9	0.79	13.0	0.85
2	2.61	1	3	3.4	9.2	X	—	1340	4.99	6.05	670	3.23	3.96	—	—	8.3	0.78	12.4	0.85
3	2.61	1	2	5.7	15.2	X	X	1340	10.65	12.07	670	7.12	7.59	—	—	—	—	—	—
4	2.62	1	1	2.7	7.4	X	—	1335	3.05	4.26	667	1.97	2.84	—	—	10.5	0.82	14.5	0.87
5	2.62	1	3	3.0	8.2	X	X	1335	3.78	5.05	667	2.50	3.32	—	—	9.5	0.80	13.6	0.86
														A26		A32		A38	
6	2.62	1	3	4.9	13.2	X	—	1335	8.95	10.14	667	5.82	6.25	—	—	—	—	—	—
7	2.63	1	1	2.8	7.7	X	X	1330	3.26	4.53	665	2.13	3.00	—	—	8.0	0.77	11.1	0.83
8	2.63	1	3	3.6	9.8	X	X	1330	5.57	6.53	665	3.58	4.27	—	—	—	—	8.6	0.78
9	2.64	1	1	2.6	7.2	X	—	1325	2.83	3.99	662	1.84	2.67	—	—	8.7	0.78	11.7	0.83
10	2.64	1	3	3.2	8.8	X	—	1325	4.39	5.56	662	2.86	3.64	—	—	—	—	9.8	0.81
														A28		A36		A44	
11	2.64	1	1	4.3	11.7	X	—	1325	7.48	8.54	662	4.81	5.32	—	—	—	—	—	—
12	2.65	1	1	2.4	6.7	X	—	1320	2.38	3.43	660	1.58	2.34	7.2	0.75	11.3	0.83	15.4	0.87
13	2.65	1	1	3.9	10.7	X	—	1320	6.41	7.40	660	4.11	4.73	—	—	—	—	10.6	0.82
14	2.65	1	1	4.1	11.2	X	—	1320	6.96	7.97	660	4.46	5.03	—	—	—	—	10.0	0.81
15	2.65	1	2	5.6	15.2	X	X	1320	10.45	11.84	660	6.96	7.42	—	—	—	—	—	—
														A26		A34		A42	
16	2.66	1	1	2.8	7.8	X	X	1315	3.26	4.53	657	2.13	3.00	—	—	9.0	0.79	13.1	0.85
17	2.66	1	3	3.4	9.4	X	—	1315	4.99	6.05	657	3.23	3.96	—	—	—	—	11.2	0.83
18	2.66	1	2	3.7	10.2	X	—	1315	5.86	6.81	657	3.76	4.42	—	—	—	—	10.2	0.81
19	2.66	1	1	4.3	11.8	X	—	1315	7.48	8.54	657	4.81	5.32	—	—	—	—	—	—
20	2.66	1	3	5.2	14.2	X	X	1315	9.62	10.89	657	6.32	6.76	—	—	—	—	—	—
														A26		A32		A38	
21	2.67	1	1	3.5	9.7	X	—	1310	5.28	6.29	655	3.41	4.11	—	—	—	—	8.7	0.79
22	2.68	1	1	2.7	7.6	X	—	1305	3.05	4.26	652	1.97	2.84	—	—	8.2	0.78	11.3	0.83
23	2.68	1	2	3.3	9.2	X	X	1305	4.69	5.80	652	3.05	3.80	—	—	—	—	9.4	0.80
24	2.68	1	6	4.8	13.2	X	—	1305	8.72	9.88	652	5.65	6.08	—	—	—	—	—	—
25	2.69	1	1	2.4	6.8	X	—	1301	2.38	3.43	650	1.58	2.34	—	—	9.2	0.79	12.2	0.84
														A24		A30		A36	
26	2.69	1	1	3.1	8.7	X	—	1301	4.09	5.30	650	2.68	3.48	—	—	—	—	8.9	0.79
27	2.69	1	3	4.4	12.2	X	X	1301	7.74	8.81	650	4.98	5.47	—	—	—	—	—	—
28	2.70	1	1	2.8	7.9	X	X	1296	3.26	4.53	648	2.13	3.00	—	—	—	—	9.9	0.81
29	2.70	1	1	2.9	8.2	X	—	1296	3.48	4.79	648	2.32	3.16	—	—	—	—	9.6	0.80
30	2.70	1	2	3.5	9.8	X	—	1296	5.28	6.29	648	3.41	4.11	—	—	—	—	—	—
														A26		A34		A42	
31	2.70	1	1	4.2	11.7	X	—	1296	7.22	8.26	648	4.63	5.18	—	—	—	—	—	—
32	2.70	1	6	5.2	14.4	X	X	1296	9.62	10.89	648	6.32	6.76	—	—	—	—	—	—
33	2.71	1	1	2.6	7.4	X	—	1291	2.83	3.99	645	1.84	2.67	—	—	9.5	0.80	13.6	0.85
34	2.71	1	3	4.0	11.2	X	—	1291	6.69	7.69	645	4.29	4.88	—	—	—	—	—	—
35	2.72	1	1	2.7	7.7	X	—	1286	3.05	4.26	643	1.97	2.84	—	—	9.1	0.79	13.3	0.85
														A24		A30		A36	
36	2.72	1	2	3.1	8.8	X	—	1286	4.09	5.30	643	2.68	3.48	—	—	—	—	8.9	0.79
37	2.72	1	1	3.8	10.7	X	X	1286	6.14	7.11	643	3.94	4.58	—	—	—	—	—	—
38	2.72	1	6	4.2	11.8	X	—	1286	7.22	8.26	643	4.63	5.18	—	—	—	—	—	—
39	2.73	1	1	2.4	6.9	X	—	1282	2.38	3.43	641	1.58	2.34	—	—	8.0	0.77	11.1	0.82
40	2.73	1	3	3.6	10.2	X	X	1282	5.57	6.53	641	3.58	4.27	—	—	—	—	—	—
														A26		A32		A38	
41	2.73	1	3	4.7	13.2	X	—	1282	8.48	9.62	641	5.49	5.91	—	—	—	—	—	—
42	2.74	1	2	3.3	9.4	X	X	1277	4.69	5.80	638	3.05	3.80	—	—	—	—	9.2	0.79
43	2.75	1	1	2.7	7.8	X	—	1272	3.05	4.26	636	1.97	2.84	—	—	8.0	0.77	11.1	0.82
44	2.75	1	1	3.4	9.7	X	—	1272	4.99	6.05	636	3.23	3.96	—	—	—	—	8.8	0.78
45	2.75	1	1	4.3	12.2	X	—	1272	7.48	8.54	636	4.81	5.32	—	—	—	—	—	—
														A28		A36		A44	
46	2.75	1	2	5.4	15.2	X	—	1272	10.05	11.37	636	6.64	7.09	—	—	—	—	—	—
47	2.76	1	1	2.4	7.0	X	—	1268	2.38	3.43	634	1.58	2.34	6.9	0.74	11.0	0.82	15.1	0.87
48	2.76	1	3	3.2	9.2	X	—	1268	4.39	5.56	634	2.86	3.64	—	—	8.4	0.78	12.6	0.84
49	2.76	1	1	4.1	11.7	X	—	1268	6.96	7.97	634	4.46	5.03	—	—	—	—	9.5	0.79
50	2.76	1	3	5.0	14.2	X	X	1268	9.18	10.39	634	5.99	6.42	—	—	—	—	—	—
														A24		A29		A34	
51	2.77	1	3	3.4	9.8	X	—	1263	4.99	6.05	631	3.23	3.96	—	—	—	—	—	—
52	2.78	1	1	2.6	7.6	X	—	1258	2.83	3.99	629	1.84	2.67	—	—	6.7	0.74	9.3	0.79
53	2.78	1	1	3.0	8.7	X	X	1258	3.78	5.05	629	2.50	3.32	—	—	—	—	8.0	0.77
54	2.78	1	1	3.9	11.2	X	—	1258	6.41	7.40	629	4.11	4.73	—	—	—	—	—	—
55	2.79	1	1	2.7	7.9	X	—	1254	3.05	4.26	627	1.97	2.84	—	—	—	—	9.0	0.79
														A26		A34		A42	
56	2.79	1	1	3.7	10.7	X	—	1254	5.86	6.81	627	3.76	4.42	—	—	—	—	9.7	0.80
57	2.79	1	1	4.1	11.8	X	—	1254	6.96	7.97	627	4.46	5.03	—	—	—	—	—	—
58	2.79	1	6	4.6	13.2	X	—	1254	8.24	9.35	627	5.32	5.76	—	—	—	—	—	—
59	2.80	1	1	2.8	8.2	X	X	1250	3.26	4.53	625	2.13	3.00	—	—	8.6	0.78	12.7	0.84
60	2.80	1	6	5.0	14.4	X	X	1250	9.18	10.39	625	5.99	6.42	—	—	—	—	—	—
														A24		A30		A36	
61	2.81	1	3	3.0	8.8	X	X	1245	3.78	5.05	622	2.50	3.32	—	—	—	—	8.9	0.79
62	2.81	1	2	3.5	10.2	X	—	1245	5.28	6.29	622	3.41	4.11	—	—	—	—	—	—
63	2.81	1	3	4.2	12.2	X	—	1245	7.22	8.26	622	4.63	5.18	—	—	—	—	—	—
64	2.82	1	1	2.6	7.7	X	—	1241	2.83	3.99	620	1.84	2.67	—	—	7.1	0.75	10.2	0.81
65	2.82	1	3	3.2	9.4	X	—	1241	4.39	5.56	620	2.86	3.64	—	—	—	—	8.2	0.77
														A26		A34		A42	
66	2.82	1	1	3.3	9.7	X	X	1241	4.69	5.80	620	3.05	3.80	—	—	—	—	11.0	0.82
67	2.82	1	3	4.9	14.2	X	—	1241	8.95	10.14	620	5.82	6.25	—	—	—	—	—	—
68	2.83	1	1	4.0	11.7	X	—	1236	6.69	7.69	618	4.29	4.88	—	—	—	—	—	—
69	2.84	1	1	2.4	7.2	X	—	1232	2.38	3.43	616	1.58	2.34	—	—	9.8	0.80	13.9	0.86
70	2.84	1	2	3.1	9.2	X	—	1232	4.09	5.30	616	2.68	3.48	—	—	—	—	11.6	0.83
														A28		A36		A44	
71	2.85	1	1	2.6	7.8	X	—	1228	2.83	3.99	614	1.84	2.67	—	—	10.2	0.81	14.2	0.86
72	2.85	1	2	3.3	9.8	X	X	1228	4.69	5.80	614	3.05	3.80	—	—	—	—	11.9	0.83
73	2.85	1	3	3.8	11.2	X	X	1228	6.14	7.11	614	3.94	4.58	—	—	—	—	10.2	0.81
74	2.85	1	3	4.0	11.8	X	—	1228	6.69	7.69	614	4.29	4.88	—	—	—	—	9.4	0.79
75	2.85	1	2	5.2	15.2	X	X	1228	9.62	10.89	614	6.32	6.76	—	—	—	—	—	—

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts																		Line No.
Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
A52		A60		A68		A76		A84		A92		A100		A110		A120		
17.1	0.91	21.1	0.94	25.2	0.97	29.2	1.00	33.2	1.02	37.2	1.04	41.2	1.07	46.2	1.09	51.2	1.10	1
16.5	0.90	20.6	0.94	24.6	0.97	28.6	0.99	32.6	1.01	36.6	1.03	40.7	1.07	45.7	1.09	50.7	1.10	2
—	—	13.4	0.87	17.6	0.92	21.7	0.95	25.8	0.98	29.9	1.01	33.9	1.04	39.0	1.06	44.0	1.08	3
18.6	0.92	22.6	0.95	26.6	0.98	30.6	1.00	34.6	1.02	38.7	1.04	42.7	1.07	47.7	1.09	52.7	1.11	4
17.7	0.91	21.7	0.95	25.7	0.97	29.7	1.00	33.8	1.02	37.8	1.04	41.8	1.07	46.8	1.09	51.8	1.11	5
A44		A50		A56		A62		A68		A74		A81		A88		A95		
—	—	10.6	0.83	13.8	0.88	16.9	0.91	20.0	0.94	23.1	0.96	26.6	0.99	30.2	1.01	33.7	1.02	6
14.2	0.86	17.2	0.91	20.3	0.93	23.3	0.96	26.3	0.98	29.3	0.99	32.8	1.01	36.3	1.03	39.8	1.05	7
11.7	0.84	14.8	0.89	17.9	0.92	20.9	0.94	23.9	0.96	27.0	0.98	30.5	1.00	34.0	1.02	37.5	1.04	8
14.8	0.87	17.8	0.91	20.8	0.94	23.8	0.96	26.9	0.98	29.9	1.00	33.4	1.02	36.9	1.03	40.4	1.05	9
12.9	0.85	16.0	0.90	19.0	0.93	22.1	0.95	25.1	0.97	28.1	0.99	31.6	1.01	35.1	1.03	38.6	1.04	10
A52		A60		A68		A76		A84		A92		A100		A110		A120		
13.6	0.87	17.7	0.92	21.8	0.95	25.8	0.98	29.9	1.00	33.9	1.02	37.9	1.06	42.9	1.08	47.9	1.10	11
19.4	0.93	23.4	0.96	27.4	0.98	31.4	1.00	35.4	1.02	39.4	1.04	43.5	1.07	48.5	1.09	53.5	1.11	12
14.8	0.89	18.9	0.93	22.9	0.96	27.0	0.98	31.0	1.01	35.0	1.03	39.0	1.06	44.1	1.08	49.1	1.10	13
14.2	0.88	18.3	0.92	22.4	0.96	26.4	0.98	30.4	1.01	34.5	1.03	38.5	1.06	43.5	1.08	48.5	1.10	14
—	—	13.5	0.87	17.7	0.92	21.8	0.95	25.9	0.98	29.9	1.01	34.0	1.04	39.0	1.06	44.1	1.08	15
A48		A55		A63		A70		A77		A84		A91		A98		A105		
16.1	0.90	19.7	0.93	23.7	0.96	27.2	0.98	30.7	1.00	34.2	1.02	37.7	1.04	41.3	1.07	44.8	1.08	16
14.3	0.88	17.8	0.92	21.9	0.95	25.4	0.97	28.9	0.99	32.5	1.01	36.0	1.03	39.5	1.06	43.0	1.08	17
13.3	0.87	16.9	0.91	21.0	0.94	24.5	0.97	28.1	0.99	31.6	1.01	35.1	1.03	38.6	1.06	42.1	1.07	18
11.4	0.84	15.0	0.89	19.1	0.93	22.7	0.96	26.2	0.98	29.8	1.00	33.3	1.02	36.8	1.05	40.3	1.07	19
—	—	12.1	0.85	16.3	0.90	19.9	0.94	23.5	0.96	27.0	0.99	30.6	1.01	34.1	1.04	37.7	1.06	20
A44		A50		A56		A62		A68		A74		A81		A88		A95		
11.9	0.84	15.0	0.89	18.0	0.92	21.1	0.94	24.1	0.97	27.1	0.98	30.6	1.00	34.1	1.02	37.7	1.04	21
14.4	0.86	17.4	0.91	20.4	0.94	23.4	0.96	26.5	0.98	29.5	0.99	33.0	1.01	36.5	1.03	40.0	1.05	22
12.5	0.84	15.6	0.89	18.6	0.92	21.6	0.95	24.7	0.97	27.7	0.99	31.2	1.01	34.7	1.02	38.2	1.04	23
—	—	10.7	0.83	13.9	0.88	17.0	0.91	20.1	0.94	23.1	0.96	26.7	0.99	30.2	1.01	33.8	1.02	24
15.3	0.87	18.3	0.92	21.3	0.94	24.3	0.96	27.3	0.98	30.3	1.00	33.9	1.02	37.4	1.03	40.9	1.05	25
A42		A48		A54		A60		A66		A72		A78		A84		A90		
12.1	0.84	15.1	0.89	18.2	0.92	21.2	0.94	24.2	0.96	27.2	0.98	30.3	1.00	33.3	1.02	36.3	1.03	26
—	—	10.9	0.83	14.1	0.88	17.2	0.91	20.2	0.94	23.3	0.96	26.3	0.98	29.4	1.00	32.4	1.02	27
13.0	0.85	16.0	0.90	19.1	0.92	22.1	0.95	25.1	0.97	28.1	0.99	31.1	1.00	34.2	1.02	37.2	1.03	28
12.7	0.85	15.7	0.89	18.7	0.92	21.8	0.95	24.8	0.97	27.8	0.99	30.8	1.00	33.8	1.02	36.8	1.03	29
10.7	0.82	13.9	0.88	16.9	0.91	20.0	0.93	23.0	0.96	26.0	0.98	29.0	1.00	32.1	1.01	35.1	1.03	30
A48		A55		A63		A70		A77		A84		A91		A98		A105		
11.6	0.84	15.2	0.89	19.3	0.93	22.9	0.96	26.4	0.98	29.9	1.00	33.5	1.02	37.0	1.05	40.5	1.07	31
—	—	11.9	0.85	16.1	0.90	19.7	0.94	23.3	0.96	26.9	0.99	30.4	1.01	34.0	1.04	37.5	1.06	32
16.6	0.90	20.2	0.93	24.2	0.96	27.7	0.98	31.2	1.00	34.7	1.02	38.2	1.04	41.7	1.07	45.2	1.08	33
12.2	0.85	15.8	0.90	19.9	0.93	23.4	0.96	27.0	0.98	30.5	1.00	34.0	1.02	37.5	1.05	41.1	1.07	34
16.3	0.90	19.8	0.93	23.9	0.96	27.4	0.98	30.9	1.00	34.4	1.02	37.9	1.04	41.4	1.07	44.9	1.08	35
A42		A48		A54		A60		A66		A72		A78		A84		A90		
12.0	0.84	15.0	0.89	18.1	0.92	21.1	0.94	24.1	0.96	27.2	0.98	30.2	1.00	33.2	1.02	36.2	1.03	36
9.7	0.80	12.8	0.86	15.9	0.90	19.0	0.93	22.0	0.95	25.0	0.97	28.1	0.99	31.1	1.01	34.1	1.02	37
—	—	11.5	0.84	14.6	0.88	17.7	0.92	20.7	0.94	23.8	0.96	26.8	0.98	29.8	1.00	32.9	1.02	38
14.2	0.86	17.2	0.91	20.2	0.93	23.2	0.95	26.3	0.97	29.3	0.99	32.3	1.01	35.3	1.02	38.3	1.04	39
10.3	0.81	13.4	0.87	16.5	0.90	19.5	0.93	22.6	0.95	25.6	0.97	28.6	0.99	31.6	1.01	34.7	1.02	40
A44		A50		A56		A62		A68		A74		A81		A88		A95		
—	—	10.8	0.83	14.0	0.88	17.1	0.91	20.2	0.94	23.2	0.96	26.8	0.98	30.3	1.01	33.8	1.02	41
12.3	0.84	15.4	0.89	18.4	0.92	21.5	0.95	24.5	0.97	27.5	0.99	31.0	1.01	34.5	1.02	38.1	1.04	42
14.2	0.86	17.2	0.91	20.2	0.93	23.3	0.96	26.3	0.98	29.3	0.99	32.8	1.01	36.3	1.03	39.8	1.05	43
12.0	0.84	15.0	0.89	18.1	0.92	21.1	0.94	24.2	0.96	27.2	0.98	30.7	1.00	34.2	1.02	37.7	1.04	44
—	—	12.1	0.85	15.2	0.89	18.3	0.92	21.3	0.95	24.4	0.97	27.9	0.99	31.4	1.01	35.0	1.03	45
A52		A60		A68		A76		A84		A92		A100		A110		A120		
—	—	13.6	0.87	17.8	0.92	21.9	0.95	26.0	0.98	30.1	1.00	34.1	1.04	39.2	1.06	44.2	1.08	46
19.1	0.92	23.2	0.95	27.2	0.98	31.2	1.00	35.2	1.02	39.2	1.04	43.2	1.07	48.2	1.09	53.2	1.11	47
16.6	0.90	20.7	0.94	24.7	0.97	28.8	0.99	32.8	1.01	36.8	1.03	40.8	1.07	45.8	1.08	50.8	1.10	48
13.7	0.87	17.8	0.92	21.9	0.95	26.0	0.98	30.0	1.00	34.0	1.02	38.1	1.06	43.1	1.08	48.1	1.10	49
—	—	14.9	0.88	19.0	0.93	23.1	0.96	27.2	0.99	31.2	1.01	35.3	1.04	40.3	1.07	45.3	1.09	50
A39		A44		A49		A54		A59		A64		A69		A74		A80		
9.2	0.79	11.9	0.83	14.4	0.88	17.0	0.91	19.5	0.93	22.1	0.95	24.6	0.97	27.1	0.98	30.1	1.00	51
11.9	0.83	14.4	0.86	17.0	0.90	19.5	0.93	22.0	0.95	24.5	0.96	27.0	0.98	29.5	0.99	32.5	1.01	52
10.6	0.82	13.2	0.85	15.7	0.89	18.2	0.92	20.8	0.94	23.3	0.96	25.8	0.97	28.3	0.99	31.3	1.01	53
—	—	10.1	0.81	12.8	0.86	15.4	0.89	17.9	0.92	20.5	0.94	23.0	0.96	25.5	0.97	28.6	0.99	54
11.5	0.83	14.1	0.86	16.6	0.90	19.2	0.92	21.7	0.94	24.2	0.96	26.7	0.98	29.2	0.99	32.2	1.01	55
A48		A55		A63		A70		A77		A84		A91		A98		A105		
12.9	0.86	16.5	0.90	20.5	0.94	24.1	0.96	27.6	0.99	31.1	1.01	34.7	1.02	38.2	1.06	41.7	1.07	56
11.5	0.84	15.2	0.89	19.3	0.93	22.8	0.96	26.4	0.98	29.9	1.00	33.4	1.02	37.0	1.05	40.5	1.07	57
—	—	13.5	0.87	17.7	0.91	21.2	0.95	24.8	0.97	28.4	0.99	31.9	1.01	35.4	1.04	38.9	1.06	58
15.8	0.89	19.3	0.93	23.4	0.96	26.9	0.98	30.4	1.00	33.9	1.02	37.4	1.03	40.9	1.06	44.4	1.08	59
—	—	12.0	0.84	16.2	0.90	19.9	0.93	23.5	0.96	27.0	0.99	30.6	1.01	34.1	1.04	37.6	1.06	60
A42		A48		A54		A60		A66		A72		A78		A84		A90		
12.0	0.84	15.1	0.89	18.2	0.92	21.2	0.94	24.2	0.96	27.2	0.98	30.2	1.00	33.3	1.02	36.3	1.03	61
10.4	0.81	13.5	0.87	16.6	0.90	19.6	0.93	22.6	0.95	25.7	0.97	28.7	0.99	31.7	1.01	34.7	1.02	62
—	—	11.1	0.83	14.2	0.88	17.3	0.91	20.4	0.94	23.4	0.96	26.5	0.98	29.5	1.00	32.5	1.01	63
13.3	0.85	16.4	0.90	19.4	0.93	22.4	0.95	25.4	0.97	28.5	0.99	31.5	1.00	34.5	1.02	37.5	1.03	64
11.3	0.83	14.4	0.88	17.5	0.91	20.5	0.94	23.6	0.96	26.6	0.98	29.6	1.00	32.6	1.01	35.6	1.03	65
A48		A55		A63		A70		A77		A84		A91		A98		A105		
14.1	0.88	17.7	0.91	21.7	0.95	25.2	0.97	28.8	0.99	32.3	1.01	35.8	1.03	39.3	1.06	42.8	1.07	66
—	—	12.3	0.85	16.5	0.90	20.1	0.94	23.7	0.96	27.3	0.99	30.8	1.01	34.3	1.04	37.9	1.06	67
11.7	0.84	15.3	0.89	19.4	0.93	23.0	0.96	26.5	0.98	30.1	1.00	33.6	1.02	37.1	1.05	40.6	1.07	68
16.9	0.90	20.5	0.93	24.5	0.96	28.0	0.98	31.5	1.00	35.0	1.02	38.5	1.04	42.0	1.07	45.6	1.08	69
14.7	0.88	18.2	0.92	22.3	0.95	25.8	0.97	29.3	0.99	32.9	1.01	36.4	1.03	39.9	1.06	43.4	1.07	70
A52		A60		A68		A76		A84		A92		A100		A110		A120		
18.3	0.92	22.3	0.95	26.4	0.98	30.4	1.00	34.4	1.02	38.4	1.04	42.4	1.07	47.4	1.09	52.4	1.11	71
16.0	0.90	20.1	0.93	24.1	0.96	28.2	0.99	32.2	1.01	36.2	1.03	40.2	1.06	45.2	1.08	50.3	1.10	72
14.4	0.88	18.5	0.92	22.6	0.95	26.6	0.98	30.7	1.00	34.7	1.02	38.7	1.06	43.7	1.08	48.7	1.10	73
13.7	0.87	17.8	0.91	21.9	0.95	26.0	0.98	30.0	1.00	34.0	1.02	38.0	1.05	43.1	1.08	48.1	1.09	74
—	—	13.7	0.87	17.9	0.92	22.1	0.95	26.2	0.98	30.2	1.00	34.3	1.04	39.3	1.06	44.4	1.08	75

B

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Datum Diameter Driver	Datum Diameter Driven	Type Fix.	Type Var.	Nominal Driven Speeds and Horsepower per Belt — 3500 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	1750 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	Center Distance in Inches and "F" Factor for Browning Belts — Belt No.	C.D.	F	Belt No.	C.D.	F	Belt No.	C.D.	F
														A26			A34			A42		
1	2.86	1	1	3.6	10.7	X	X	1223	5.57	6.53	611	3.58	4.27	—		—	—		—	9.8		0.80
2	2.86	1	3	4.9	14.4	X	—	1223	8.95	10.14	611	5.82	6.25	—		—	—		—	—		—
3	2.87	1	1	2.9	8.7	X	—	1219	3.48	4.79	609	2.32	3.16	—		—	8.0		0.77	12.2		0.84
4	2.88	1	3	3.4	10.2	X	—	1215	4.99	6.05	607	3.23	3.96	—		—	—		—	10.4		0.81
5	2.88	1	1	4.1	12.2	X	—	1215	6.96	7.97	607	4.46	5.03	—		—	—		—	—		—
														A26			A34			A42		
6	2.88	1	3	4.8	14.2	X	—	1215	8.72	9.88	607	5.65	6.08	—		—	—		—	—		—
7	2.89	1	1	2.6	7.9	X	—	1211	2.83	3.99	605	1.84	2.67	—		—	9.0		0.79	13.1		0.85
8	2.89	1	1	2.7	8.2	X	—	1211	3.05	4.26	605	1.97	2.84	—		—	8.7		0.78	12.8		0.84
9	2.90	1	1	2.9	8.8	X	—	1206	3.48	4.79	603	2.32	3.16	—		—	7.9		0.76	12.1		0.83
10	2.90	1	2	3.1	9.4	X	—	1206	4.09	5.30	603	2.68	3.48	—		—	—		—	11.4		0.82
														A26			A32			A38		
11	2.90	1	1	3.9	11.7	X	—	1206	6.41	7.40	603	4.11	4.73	—		—	—		—	—		—
12	2.91	1	1	3.2	9.7	X	—	1202	4.39	5.56	601	2.88	3.64	—		—	—		—	8.9		0.78
13	2.91	1	6	4.4	13.2	X	X	1202	7.74	8.81	601	4.98	5.47	—		—	—		—	—		—
14	2.92	1	1	2.4	7.4	X	—	1198	2.39	3.43	599	1.58	2.34	—		—	8.6		0.78	11.7		0.83
15	2.92	1	2	3.7	11.2	X	—	1198	5.86	6.81	599	3.76	4.42	—		—	—		—	—		—
														A26			A34			A42		
16	2.92	1	1	3.9	11.8	X	—	1198	6.41	7.40	599	4.11	4.73	—		—	—		—	—		—
17	2.92	1	6	4.8	14.4	X	—	1198	8.72	9.88	599	5.65	6.08	—		—	—		—	—		—
18	2.93	1	3	3.0	9.2	X	X	1194	3.78	5.05	597	2.50	3.32	—		—	—		—	11.7		0.83
19	2.93	1	3	4.7	14.2	X	—	1194	8.48	9.62	597	5.49	5.91	—		—	—		—	—		—
20	2.94	1	3	3.2	9.8	X	—	1190	4.39	5.56	595	2.86	3.64	—		—	—		—	10.9		0.82
														A28			A36			A44		
21	2.94	1	1	3.5	10.7	X	—	1190	5.28	6.29	595	3.41	4.11	—		—	—		—	10.9		0.82
22	2.95	1	3	4.0	12.2	X	—	1186	6.69	7.69	593	4.29	4.88	—		—	—		—	—		—
23	2.96	1	1	2.8	8.7	X	X	1182	3.27	4.53	591	2.13	3.00	—		—	9.1		0.79	13.3		0.85
24	2.96	1	2	5.0	15.2	X	X	1182	9.18	10.39	591	5.99	6.42	—		—	—		—	—		—
25	2.97	1	2	3.3	10.2	X	X	1178	4.69	5.80	589	3.05	3.80	—		—	—		—	11.5		0.83
														A26			A34			A42		
26	2.97	1	1	3.8	11.7	X	X	1178	6.14	7.11	589	3.94	4.58	—		—	—		—	—		—
27	2.97	1	1	4.3	13.2	X	—	1178	7.48	8.54	589	4.81	5.32	—		—	—		—	—		—
28	2.97	1	3	4.7	14.4	X	—	1178	8.48	9.62	589	5.49	5.91	—		—	—		—	—		—
29	3.00	1	1	2.4	7.6	X	—	1166	2.39	3.58	583	1.58	2.41	—		—	9.4		0.79	13.6		0.85
30	3.00	1	1	2.6	8.2	X	—	1166	2.83	3.99	583	1.84	2.67	—		—	8.7		0.78	12.9		0.84
														A24			A29			A34		
31	3.00	1	1	2.8	8.8	X	X	1166	3.27	4.67	583	2.13	3.07	—		—	—		—	8.0		0.76
32	3.00	1	3	3.0	9.4	X	X	1166	3.78	5.19	583	2.50	3.40	—		—	—		—	—		—
33	3.00	1	1	3.1	9.7	X	—	1166	4.09	5.30	583	2.68	3.48	—		—	—		—	—		—
34	3.00	1	3	3.6	11.2	X	X	1166	5.57	6.53	583	3.58	4.27	—		—	—		—	—		—
35	3.00	1	3	3.8	11.8	X	X	1166	6.14	7.11	583	3.94	4.58	—		—	—		—	—		—
														A28			A36			A44		
36	3.00	1	3	4.6	14.2	X	—	1166	8.24	9.35	583	5.32	5.76	—		—	—		—	—		—
37	3.01	1	2	4.9	15.2	X	—	1162	8.95	10.14	581	5.82	6.26	—		—	—		—	—		—
38	3.02	1	1	3.4	10.7	X	—	1158	4.99	6.19	579	3.23	4.03	—		—	—		—	11.0		0.82
39	3.02	1	1	3.9	12.2	X	—	1158	6.41	7.40	579	4.11	4.80	—		—	—		—	—		—
40	3.03	1	1	2.4	7.7	X	—	1155	2.39	3.58	577	1.58	2.41	—		—	10.4		0.81	14.5		0.86
														A26			A34			A42		
41	3.03	1	1	2.9	9.2	X	—	1155	3.48	4.93	577	2.32	3.24	—		—	—		—	11.7		0.83
42	3.03	1	2	3.1	9.8	X	—	1155	4.09	5.45	577	2.68	3.56	—		—	—		—	11.0		0.82
43	3.04	1	6	4.2	13.2	X	—	1151	7.22	8.26	575	4.63	5.25	—		—	—		—	—		—
44	3.04	1	6	4.6	14.4	X	—	1151	8.24	9.35	575	5.32	5.83	—		—	—		—	—		—
45	3.05	1	3	3.2	10.2	X	—	1147	4.39	5.70	573	2.86	3.72	—		—	—		—	10.6		0.81
														A24			A29			A34		
46	3.05	1	1	3.7	11.7	X	—	1147	5.86	6.91	573	3.76	4.50	—		—	—		—	—		—
47	3.06	1	1	2.7	8.7	X	—	1143	3.05	4.40	571	1.97	2.91	—		—	—		—	8.2		0.76
48	3.07	1	1	2.4	7.8	X	—	1140	2.39	3.58	570	1.58	2.41	—		—	—		—	9.2		0.79
49	3.07	1	2	3.7	11.8	X	—	1140	5.86	6.91	570	3.76	4.50	—		—	—		—	—		—
50	3.08	1	2	3.5	11.2	X	—	1136	5.28	6.43	568	3.41	4.19	—		—	—		—	—		—
														A28			A36			A44		
51	3.08	1	2	4.8	15.2	X	—	1136	8.72	9.88	568	5.65	6.12	—		—	—		—	—		—
52	3.09	1	1	2.9	9.4	X	—	1132	3.48	4.93	566	2.32	3.24	—		—	8.4		0.77	12.6		0.84
53	3.09	1	1	3.0	9.7	X	X	1132	3.78	5.19	566	2.50	3.40	—		—	8.0		0.76	12.2		0.83
54	3.10	1	1	2.7	8.8	X	—	1129	3.05	4.40	564	1.97	2.91	—		—	9.1		0.78	13.3		0.85
55	3.10	1	3	3.8	12.2	X	X	1129	6.14	7.13	564	3.94	4.65	—		—	—		—	—		—
														A26			A32			A38		
56	3.11	1	1	2.4	7.9	X	—	1125	2.39	3.58	562	1.58	2.41	—		—	8.1		0.76	11.2		0.82
57	3.11	1	1	3.3	10.7	X	X	1125	4.69	5.95	562	3.05	3.87	—		—	—		—	—		—
58	3.11	1	1	4.1	13.2	X	—	1125	6.96	7.97	562	4.46	5.10	—		—	—		—	—		—
59	3.12	1	3	3.0	9.8	X	X	1121	3.78	5.19	560	2.50	3.40	—		—	—		—	9.0		0.78
60	3.13	1	1	2.8	9.2	X	X	1118	3.27	4.67	559	2.13	3.07	—		—	—		—	9.7		0.79
														A28			A36			A44		
61	3.13	1	1	3.6	11.7	X	X	1118	5.57	6.67	559	3.58	4.34	—		—	—		—	9.8		0.79
62	3.13	1	3	4.4	14.2	X	X	1118	7.74	8.81	559	4.98	5.54	—		—	—		—	—		—
63	3.14	1	2	4.7	15.2	X	—	1114	8.48	9.62	557	5.49	5.98	—		—	—		—	—		—
64	3.15	1	2	3.1	10.2	X	—	1111	4.09	5.45	555	2.68	3.56	—		—	—		—	11.7		0.82
65	3.15	1	3	3.6	11.8	X	X	1111	5.57	6.67	555	3.58	4.34	—		—	—		—	9.7		0.79
														A26			A34			A42		
66	3.16	1	3	3.4	11.2	X	—	1107	4.99	6.19	553	3.23	4.03	—		—	—		—	9.4		0.78
67	3.17	1	1	2.6	8.7	X	—	1104	2.83	4.13	552	1.84	2.74	—		—	8.2		0.76	12.4		0.83
68	3.17	1	2	3.7	12.2	X	—	1104	5.86	6.91	552	3.76	4.50	—		—	—		—	—		—
69	3.17	1	6	4.4	14.4	X	X	1104	7.74	8.81	552	4.98	5.54	—		—	—		—	—		—
70	3.19	1	1	2.9	9.7	X	—	1097	3.48	4.93	548	2.32	3.24	—		—	—		—	11.2		0.82
														A28			A36			A44		
71	3.19	1	3	4.0	13.2	X	—	1097	6.69	7.69	548	4.29	4.95	—		—	—		—	—		—
72	3.20	1	1	2.8	9.4	X	X	1093	3.27	4.67	546	2.13	3.07	—		—	8.4		0.77	12.6		0.84
73	3.20	1	1	3.2	10.7	X	—	1093	4.39	5.70	546	2.86	3.72	—		—	—		—	11.1		0.81
74	3.20	1	1	4.3	14.2	X	—	1093	7.48	8.54	546	4.81	5.40	—		—	—		—	—		—
75	3.20	1	2	4.6	15.2	X	—	1093	8.24	9.35	546	5.32	5.83	—		—	—		—	—		—

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts

Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
A48		A55		A63		A70		A77		A84		A91		A98		A105		
12.9	0.86	16.5	0.90	20.6	0.94	24.2	0.96	27.7	0.99	31.2	1.01	34.7	1.02	38.3	1.05	41.8	1.07	1
—	—	12.1	0.84	16.3	0.90	19.9	0.93	23.5	0.96	27.1	0.98	30.6	1.01	34.2	1.04	37.7	1.05	2
15.3	0.89	18.8	0.92	22.9	0.95	26.4	0.98	29.9	1.00	33.4	1.02	36.9	1.03	40.4	1.06	43.9	1.08	3
13.5	0.87	17.1	0.91	21.2	0.94	24.7	0.97	28.3	0.99	31.8	1.01	35.3	1.03	38.8	1.06	42.3	1.07	4
11.1	0.83	14.8	0.88	18.9	0.92	22.5	0.95	26.0	0.98	29.6	1.00	33.1	1.02	36.6	1.05	40.2	1.06	5
A48		A55		A63		A70		A77		A84		A91		A98		A105		
—	—	12.3	0.85	16.6	0.90	20.2	0.94	23.8	0.96	27.3	0.99	30.9	1.01	34.4	1.04	37.9	1.06	6
16.2	0.90	19.7	0.93	23.8	0.96	27.3	0.98	30.8	1.00	34.3	1.02	37.8	1.04	41.3	1.07	44.8	1.08	7
15.9	0.89	19.4	0.92	23.4	0.96	27.0	0.98	30.5	1.00	34.0	1.02	37.5	1.03	41.0	1.06	44.5	1.08	8
15.2	0.89	18.7	0.92	22.8	0.95	26.3	0.98	29.8	1.00	33.3	1.02	36.8	1.03	40.4	1.06	43.9	1.08	9
14.5	0.88	18.1	0.91	22.1	0.95	25.6	0.97	29.2	0.99	32.7	1.01	36.2	1.03	39.7	1.06	43.2	1.07	10
A44		A50		A56		A62		A68		A74		A81		A88		A95		
9.6	0.79	12.8	0.86	15.9	0.89	19.0	0.92	22.1	0.95	25.1	0.97	28.6	0.99	32.2	1.01	35.7	1.03	11
12.1	0.83	15.2	0.89	18.2	0.92	21.3	0.94	24.3	0.96	27.3	0.98	30.9	1.00	34.4	1.02	37.9	1.04	12
—	—	11.0	0.83	14.2	0.87	17.3	0.91	20.4	0.94	23.4	0.96	27.0	0.98	30.5	1.00	34.0	1.02	13
14.7	0.86	17.8	0.91	20.8	0.94	23.8	0.96	26.8	0.98	29.9	0.99	33.4	1.01	36.9	1.03	40.4	1.05	14
10.3	0.81	13.4	0.87	16.5	0.90	19.6	0.93	22.6	0.95	25.7	0.97	29.2	1.00	32.7	1.01	36.3	1.03	15
A48		A55		A63		A70		A77		A84		A91		A98		A105		
11.7	0.84	15.3	0.89	19.4	0.93	23.0	0.96	26.5	0.98	30.1	1.00	33.6	1.02	37.1	1.05	40.6	1.07	16
—	—	12.1	0.84	16.4	0.90	20.0	0.93	23.6	0.96	27.2	0.98	30.7	1.01	34.2	1.04	37.8	1.05	17
14.7	0.88	18.3	0.92	22.4	0.95	25.9	0.97	29.4	0.99	32.9	1.01	36.4	1.03	40.0	1.06	43.5	1.07	18
—	—	12.4	0.85	16.6	0.90	20.3	0.93	23.8	0.96	27.4	0.99	30.9	1.01	34.5	1.04	38.0	1.06	19
14.1	0.87	17.6	0.91	21.7	0.94	25.2	0.97	28.8	0.99	32.3	1.01	35.8	1.03	39.3	1.06	42.8	1.07	20
A52		A60		A68		A76		A84		A92		A100		A110		A120		
15.1	0.88	19.2	0.92	23.2	0.96	27.3	0.98	31.3	1.01	35.3	1.03	39.3	1.06	44.4	1.08	49.4	1.10	21
13.3	0.86	17.5	0.91	21.5	0.94	25.6	0.97	29.6	1.00	33.7	1.02	37.7	1.05	42.7	1.07	47.8	1.09	22
17.4	0.91	21.4	0.94	25.5	0.97	29.5	0.99	33.5	1.02	37.5	1.03	41.5	1.07	46.5	1.09	51.5	1.10	23
—	—	13.9	0.87	18.1	0.91	22.2	0.95	26.3	0.98	30.4	1.00	34.4	1.04	39.5	1.06	44.5	1.08	24
15.7	0.89	19.8	0.93	23.8	0.96	27.8	0.99	31.9	1.01	35.9	1.03	39.9	1.06	44.9	1.08	49.9	1.10	25
A48		A55		A63		A70		A77		A84		A91		A98		A105		
11.8	0.84	15.5	0.89	19.6	0.93	23.1	0.96	26.7	0.98	30.2	1.00	33.8	1.02	37.3	1.05	40.8	1.07	26
—	—	13.7	0.87	17.9	0.91	21.5	0.94	25.0	0.97	28.6	0.99	32.1	1.01	35.6	1.04	39.2	1.06	27
—	—	12.2	0.84	16.4	0.90	20.1	0.93	23.7	0.96	27.2	0.98	30.8	1.00	34.3	1.04	37.8	1.05	28
16.6	0.90	20.1	0.93	24.2	0.96	27.7	0.98	31.2	1.00	34.7	1.02	38.2	1.04	41.7	1.07	45.2	1.08	29
15.9	0.89	19.5	0.92	23.5	0.96	27.0	0.98	30.5	1.00	34.1	1.02	37.6	1.03	41.1	1.06	44.6	1.08	30
A39		A44		A49		A54		A59		A64		A69		A74		A80		
10.6	0.81	13.2	0.85	15.8	0.89	18.3	0.91	20.8	0.94	23.4	0.95	25.9	0.97	28.4	0.99	31.4	1.00	31
9.9	0.80	12.5	0.84	15.1	0.88	17.6	0.91	20.2	0.93	22.7	0.95	25.2	0.97	27.7	0.98	30.7	1.00	32
9.5	0.79	12.2	0.83	14.7	0.88	17.3	0.91	19.8	0.93	22.4	0.95	24.9	0.97	27.4	0.98	30.4	1.00	33
—	—	10.3	0.80	13.0	0.86	15.6	0.89	18.1	0.91	20.7	0.94	23.2	0.96	25.8	0.97	28.8	0.99	34
—	—	9.6	0.79	12.3	0.85	14.9	0.88	17.4	0.91	20.0	0.93	22.5	0.95	25.1	0.97	28.1	0.99	35
A52		A60		A68		A76		A84		A92		A100		A110		A120		
—	—	15.1	0.88	19.3	0.93	23.4	0.96	27.5	0.99	31.5	1.01	35.6	1.04	40.6	1.07	45.6	1.09	36
—	—	13.9	0.87	18.1	0.91	22.3	0.95	26.4	0.98	30.4	1.00	34.5	1.04	39.5	1.06	44.6	1.08	37
15.1	0.88	19.2	0.92	23.3	0.96	27.3	0.98	31.4	1.01	35.4	1.03	39.4	1.06	44.4	1.08	49.4	1.10	38
13.4	0.86	17.5	0.91	21.6	0.94	25.7	0.97	29.7	1.00	33.8	1.02	37.8	1.05	42.8	1.07	47.8	1.09	39
18.5	0.92	22.6	0.95	26.6	0.97	30.6	1.00	34.6	1.02	38.6	1.04	42.6	1.07	47.6	1.09	52.7	1.11	40
A48		A55		A63		A70		A77		A84		A91		A98		A105		
14.8	0.88	18.4	0.92	22.4	0.95	26.0	0.97	29.5	0.99	33.0	1.01	36.5	1.03	40.0	1.06	43.5	1.07	41
14.1	0.87	17.7	0.91	21.8	0.94	25.3	0.97	28.8	0.99	32.4	1.01	35.9	1.03	39.4	1.06	42.9	1.07	42
—	—	13.8	0.87	17.9	0.91	21.5	0.94	25.1	0.97	28.6	0.99	32.2	1.01	35.7	1.04	39.2	1.06	43
—	—	12.3	0.84	16.5	0.90	20.1	0.93	23.7	0.96	27.3	0.98	30.8	1.00	34.4	1.04	37.9	1.05	44
13.7	0.87	17.3	0.91	21.3	0.94	24.9	0.97	28.4	0.99	31.9	1.01	35.5	1.03	39.0	1.06	42.5	1.07	45
A39		A44		A49		A54		A59		A64		A69		A74		A80		
—	—	9.7	0.79	12.4	0.85	15.0	0.88	17.6	0.91	20.2	0.93	22.7	0.95	25.2	0.97	28.3	0.99	46
10.8	0.81	13.4	0.85	15.9	0.89	18.5	0.92	21.0	0.94	23.5	0.96	26.0	0.97	28.5	0.99	31.6	1.00	47
11.8	0.83	14.4	0.86	16.9	0.90	19.5	0.92	22.0	0.94	24.5	0.96	27.0	0.98	29.5	0.99	32.5	1.01	48
—	—	9.6	0.79	12.3	0.85	14.9	0.88	17.5	0.91	20.1	0.93	22.6	0.95	25.2	0.97	28.2	0.99	49
—	—	10.4	0.80	13.0	0.86	15.6	0.89	18.2	0.91	20.8	0.94	23.3	0.96	25.8	0.97	28.9	0.99	50
A52		A60		A68		A76		A84		A92		A100		A110		A120		
—	—	14.0	0.86	18.2	0.91	22.3	0.95	26.4	0.98	30.5	1.00	34.6	1.04	39.6	1.06	44.6	1.08	51
16.7	0.90	20.7	0.93	24.8	0.96	28.8	0.99	32.8	1.01	36.9	1.03	40.9	1.06	45.9	1.08	50.9	1.10	52
16.3	0.90	20.4	0.93	24.5	0.96	28.5	0.99	32.5	1.01	36.5	1.03	40.5	1.06	45.6	1.08	50.6	1.10	53
17.4	0.90	21.4	0.94	25.4	0.97	29.5	0.99	33.5	1.01	37.5	1.03	41.5	1.07	46.5	1.08	51.5	1.10	54
13.4	0.86	17.6	0.91	21.7	0.94	25.7	0.97	29.8	1.00	33.8	1.02	37.9	1.05	42.9	1.07	47.9	1.09	55
A44		A50		A56		A62		A68		A74		A81		A88		A95		
14.3	0.86	17.3	0.90	20.4	0.93	23.4	0.95	26.4	0.97	29.4	0.99	32.9	1.01	36.5	1.03	40.0	1.04	56
11.0	0.81	14.2	0.87	17.3	0.90	20.3	0.93	23.4	0.96	26.4	0.98	29.9	1.00	33.5	1.02	37.0	1.03	57
—	—	11.1	0.82	14.3	0.87	17.5	0.91	20.6	0.93	23.6	0.96	27.2	0.98	30.7	1.00	34.3	1.02	58
12.1	0.83	15.2	0.88	18.3	0.91	21.3	0.94	24.4	0.96	27.4	0.98	30.9	1.00	34.4	1.02	37.9	1.04	59
12.8	0.84	15.9	0.89	19.0	0.92	22.0	0.94	25.0	0.97	28.0	0.98	31.6	1.00	35.1	1.02	38.6	1.04	60
A52		A60		A68		A76		A84		A92		A100		A110		A120		
14.1	0.87	18.2	0.91	22.3	0.95	26.3	0.98	30.4	1.00	34.4	1.02	38.4	1.05	43.5	1.07	48.5	1.09	61
11.0	0.83	15.3	0.88	19.4	0.92	23.5	0.96	27.6	0.98	31.7	1.01	35.7	1.04	40.8	1.06	45.8	1.08	62
—	—	14.1	0.86	18.3	0.91	22.4	0.95	26.5	0.98	30.6	1.00	34.6	1.04	39.7	1.06	44.7	1.08	63
15.8	0.89	19.9	0.93	23.9	0.96	28.0	0.98	32.0	1.01	36.0	1.03	40.1	1.06	45.1	1.08	50.1	1.10	64
14.0	0.87	18.1	0.91	22.2	0.95	26.2	0.97	30.3	1.00	34.3	1.02	38.3	1.05	43.4	1.07	48.4	1.09	65
A48		A55		A63		A70		A77		A84		A91		A98		A105		
12.6	0.85	16.2	0.89	20.3	0.93	23.9	0.96	27.4	0.98	30.9	1.00	34.5	1.02	38.0	1.05	41.5	1.07	66
15.5	0.88	19.0	0.92	23.1	0.95	26.6	0.97	30.1	1.00	33.6	1.01	37.2	1.03	40.7	1.06	44.2	1.08	67
11.4	0.83	15.1	0.88	19.2	0.92	22.8	0.95	26.3	0.98	29.9	1.00	33.4	1.02	36.9	1.05	40.4	1.06	68
—	—	12.4	0.84	16.6	0.90	20.3	0.93	23.9	0.96	27.4	0.98	31.0	1.00	34.5	1.04	38.1	1.05	69
14.4	0.87	17.9	0.91	22.0	0.94	25.5	0.97	29.1	0.99	32.6	1.01	36.1	1.03	39.6	1.06	43.1	1.07	70
A52		A60		A68		A76		A84		A92		A100		A110		A120		
12.3	0.84	16.5	0.89	20.6	0.93	24.7	0.96	28.8	0.99	32.8	1.01	36.9	1.05	41.9	1.07	46.9	1.09	71
16.7	0.90	20.8	0.93	24.9	0.96	28.9	0.99	32.9	1.01	36.9	1.03	40.9	1.06	46.0	1.08	51.0	1.10	72
15.3	0.88	19.4	0.92	23.4	0.95	27.5	0.98	31.5	1.00	35.5	1.02	39.6	1.06	44.6	1.08	49.6	1.10	73
11.0	0.82	15.3	0.88	19.5	0.92	23.6	0.96	27.7	0.98	31.7	1.01	35.8	1.04	40.8	1.06	45.9	1.08	74
—	—	14.1	0.86	18.3	0.91	22.5	0.95	26.6	0.98	30.6	1.00	34.7	1.04	39.8	1.06	44.8	1.08	75

B

For FIXED and VARIABLE Drives

Line No	Ratio	No. of Grooves Min	No. of Grooves Max	Datum Diameter Driver	Datum Diameter Driven	Type Fix.	Type Var.	Nominal Driven Speeds and Horsepower per Belt — 3500 RPM Driver: Nominal Driven Speed	3500 RPM Driver: HP per Belt Super	3500 RPM Driver: HP per Belt Gripnotch	1750 RPM Diver: Nominal Driven Speed	1750 RPM Diver: HP per Belt Super	1750 RPM Diver: HP per Belt Gripnotch	Center Distance in Inches and "F" Factor for Browning Belts — Belt No.	C.D.	F	Belt No.	C.D.	F	Belt No.	C.D.	F
														A24			A29			A34		
1	3.21	1	1	2.6	8.8	X	—	1090	2.83	4.13	545	1.84	2.74	—	—		—	—		8.1	0.76	
2	3.21	1	1	3.5	11.7	X	—	1090	5.28	6.43	545	3.41	4.19	—	—		—	—		—	—	
3	3.22	1	1	2.9	9.8	X	—	1086	3.48	4.93	543	2.32	3.24	—	—		—	—		—	—	
4	3.23	1	1	2.4	8.2	X	—	1083	2.39	3.58	541	1.58	2.41	—	—		—	—		8.9	0.78	
5	3.24	1	1	2.7	9.2	X	—	1080	3.05	4.40	540	1.97	2.91	—	—		—	—		7.6	0.75	
														A26			A34			A42		
6	3.24	1	2	3.5	11.8	X	—	1080	5.28	6.43	540	3.41	4.19	—	—		—	—		—	—	
7	3.24	1	1	4.3	14.4	X	—	1080	7.48	8.54	540	4.81	5.40	—	—		—	—		—	—	
8	3.25	1	3	3.0	10.2	X	X	1076	3.78	5.19	538	2.50	3.40	—	—		—	—		10.7	0.81	
9	3.25	1	2	3.3	11.2	X	X	1076	4.69	5.95	538	3.05	3.87	—	—		—	—		9.4	0.78	
10	3.26	1	3	3.6	12.2	X	X	1073	5.57	6.67	536	3.58	4.34	—	—		—	—		—	—	
														A26			A33			A40		
11	3.26	1	1	3.9	13.2	X	—	1073	6.41	7.40	536	4.11	4.80	—	—		—	—		—	—	
12	3.27	1	3	4.2	14.2	X	—	1070	7.22	8.26	535	4.63	5.25	—	—		—	—		—	—	
13	3.30	1	1	2.8	9.7	X	X	1060	3.27	4.67	530	2.13	3.07	—	—		—	—		10.3	0.80	
14	3.30	1	1	3.1	10.7	X	—	1060	4.09	5.45	530	2.68	3.56	—	—		—	—		9.0	0.77	
15	3.30	1	1	3.4	11.7	X	—	1060	4.99	6.19	530	3.23	4.03	—	—		—	—		—	—	
														A26			A33			A40		
16	3.31	1	1	2.7	9.4	X	—	1057	3.05	4.40	528	1.97	2.91	—	—		—	—		10.6	0.81	
17	3.31	1	6	4.2	14.4	X	—	1057	7.22	8.26	528	4.63	5.25	—	—		—	—		—	—	
18	3.33	1	1	2.8	9.8	X	X	1051	3.27	4.67	525	2.13	3.07	—	—		—	—		10.2	0.80	
19	3.33	1	3	3.4	11.8	X	—	1051	4.99	6.19	525	3.23	4.03	—	—		—	—		—	—	
20	3.34	1	1	4.1	14.2	X	—	1047	6.96	7.97	523	4.46	5.10	—	—		—	—		—	—	
														A26			A34			A42		
21	3.34	1	2	4.4	15.2	X	X	1047	7.74	8.81	523	4.98	5.54	—	—		—	—		—	—	
22	3.35	1	1	2.6	9.2	X	—	1044	2.83	4.13	522	1.84	2.74	—	—		7.7	0.75		11.9	0.82	
23	3.35	1	1	2.9	10.2	X	—	1044	3.48	4.93	522	2.32	3.24	—	—		—	—		10.7	0.81	
24	3.35	1	3	3.2	11.2	X	—	1044	4.39	5.70	522	2.86	3.72	—	—		—	—		9.5	0.78	
25	3.35	1	2	3.5	12.2	X	—	1044	5.28	6.43	522	3.41	4.19	—	—		—	—		—	—	
														A26			A33			A40		
26	3.35	1	3	3.8	13.2	X	X	1044	6.14	7.13	522	3.94	4.65	—	—		—	—		—	—	
27	3.39	1	1	4.1	14.4	X	—	1032	6.96	7.97	516	4.46	5.10	—	—		—	—		—	—	
28	3.40	1	1	3.0	10.7	X	X	1029	3.78	5.19	514	2.50	3.40	—	—		—	—		9.1	0.77	
29	3.40	1	1	3.3	11.7	X	X	1029	4.69	5.95	514	3.05	3.87	—	—		—	—		—	—	
30	3.41	1	1	2.7	9.7	X	—	1026	3.05	4.40	513	1.97	2.91	—	—		—	—		10.3	0.80	
														A26			A34			A42		
31	3.42	1	1	2.4	8.7	X	—	1023	2.39	3.58	511	1.58	2.41	—	—		8.3	0.76		12.5	0.83	
32	3.42	1	1	2.6	9.4	X	—	1023	2.83	4.13	511	1.84	2.74	—	—		—	—		11.7	0.82	
33	3.42	1	2	3.3	11.8	X	X	1023	4.69	5.95	511	3.05	3.87	—	—		—	—		—	—	
34	3.42	1	3	4.0	14.2	X	—	1023	6.69	7.69	511	4.29	4.95	—	—		—	—		—	—	
35	3.42	1	1	4.3	15.2	X	—	1023	7.48	8.54	511	4.81	5.40	—	—		—	—		—	—	
														A24			A30			A36		
36	3.43	1	2	3.7	13.2	X	—	1020	5.86	6.91	510	3.76	4.50	—	—		—	—		—	—	
37	3.44	1	1	2.7	9.8	X	—	1017	3.05	4.40	508	1.97	2.91	—	—		—	—		8.1	0.76	
38	3.44	1	3	3.4	12.2	X	—	1017	4.99	6.19	508	3.23	4.03	—	—		—	—		—	—	
39	3.45	1	2	3.1	11.2	X	—	1014	4.09	5.45	507	2.68	3.56	—	—		—	—		—	—	
40	3.46	1	1	2.4	8.8	X	—	1011	2.39	3.58	505	1.58	2.41	—	—		—	—		9.3	0.78	
														A26			A34			A42		
41	3.46	1	1	2.8	10.2	X	X	1011	3.27	4.67	505	2.13	3.07	—	—		—	—		10.8	0.81	
42	3.47	1	3	4.0	14.4	X	—	1008	6.69	7.69	504	4.29	4.95	—	—		—	—		—	—	
43	3.50	1	1	3.2	11.7	X	—	1000	4.39	5.70	500	2.86	3.72	—	—		—	—		—	—	
44	3.50	1	2	4.2	15.2	X	—	1000	7.22	8.26	500	4.63	5.25	—	—		—	—		—	—	
45	3.51	1	1	2.9	10.7	X	—	997	3.48	4.93	498	2.32	3.24	—	—		—	—		10.2	0.79	
														A26			A33			A40		
46	3.51	1	1	3.9	14.2	X	—	997	6.41	7.40	498	4.11	4.80	—	—		—	—		—	—	
47	3.52	1	3	3.2	11.8	X	—	994	4.39	5.70	497	2.86	3.72	—	—		—	—		—	—	
48	3.52	1	3	3.6	13.2	X	X	994	5.57	6.67	497	3.58	4.34	—	—		—	—		—	—	
49	3.53	1	1	2.6	9.7	X	—	991	2.83	4.13	495	1.84	2.74	—	—		—	—		10.4	0.80	
50	3.54	1	2	3.3	12.2	X	X	988	4.69	5.95	494	3.05	3.87	—	—		—	—		—	—	
														A26			A34			A42		
51	3.56	1	3	3.0	11.2	X	X	983	3.78	5.19	491	2.50	3.40	—	—		—	—		9.6	0.78	
52	3.56	1	1	3.9	14.4	X	—	983	6.41	7.40	491	4.11	4.80	—	—		—	—		—	—	
53	3.57	1	1	2.6	9.8	X	—	980	2.83	4.13	490	1.84	2.74	—	—		—	—		11.3	0.81	
54	3.58	1	1	2.7	10.2	X	—	977	3.05	4.40	488	1.97	2.91	—	—		—	—		10.9	0.80	
55	3.58	1	1	4.1	15.2	X	—	977	6.96	7.97	488	4.46	5.10	—	—		—	—		—	—	
														A26			A33			A40		
56	3.60	1	1	3.1	11.7	X	—	972	4.09	5.45	486	2.68	3.56	—	—		—	—		—	—	
57	3.60	1	3	3.8	14.2	X	X	972	6.14	7.13	486	3.94	4.65	—	—		—	—		—	—	
58	3.61	1	1	2.4	9.2	X	—	969	2.39	3.58	484	1.58	2.41	—	—		—	—		11.0	0.81	
59	3.62	1	2	3.5	13.2	X	—	966	5.28	6.43	483	3.41	4.19	—	—		—	—		—	—	
60	3.63	1	1	2.8	10.7	X	X	964	3.27	4.67	482	2.13	3.07	—	—		—	—		9.2	0.77	
														A26			A34			A42		
61	3.63	1	2	3.1	11.8	X	—	964	4.09	5.45	482	2.68	3.56	—	—		—	—		—	—	
62	3.64	1	3	3.2	12.2	X	—	961	4.39	5.70	480	2.86	3.72	—	—		—	—		—	—	
63	3.65	1	3	3.8	14.4	X	X	958	6.14	7.13	479	3.94	4.65	—	—		—	—		—	—	
64	3.66	1	2	4.0	15.2	X	—	956	6.69	7.69	478	4.29	4.95	—	—		—	—		—	—	
65	3.67	1	1	2.9	11.2	X	—	953	3.48	4.93	476	2.32	3.24	—	—		—	—		9.7	0.78	
														A26			A33			A40		
66	3.69	1	1	2.4	9.4	X	—	948	2.39	3.58	474	1.58	2.41	—	—		—	—		10.8	0.80	
67	3.69	1	2	3.7	14.2	X	—	948	5.86	6.91	474	3.76	4.50	—	—		—	—		—	—	
68	3.71	1	1	2.6	10.2	X	—	943	2.83	4.13	471	1.84	2.74	—	—		—	—		9.9	0.78	
69	3.71	1	1	3.0	11.7	X	X	943	3.78	5.19	471	2.50	3.40	—	—		—	—		—	—	
70	3.72	1	3	3.4	13.2	X	—	940	4.99	6.19	470	3.23	4.03	—	—		—	—		—	—	
														A26			A34			A42		
71	3.74	1	2	3.7	14.4	X	—	935	5.86	6.91	467	3.76	4.50	—	—		—	—		—	—	
72	3.75	1	1	2.7	10.7	X	—	933	3.05	4.40	466	1.97	2.91	—	—		—	—		10.4	0.79	
73	3.75	1	3	3.0	11.8	X	X	933	3.78	5.19	466	2.50	3.40	—	—		—	—		9.0	0.76	
74	3.75	1	2	3.1	12.2	X	—	933	4.09	5.45	466	2.68	3.56	—	—		—	—		—	—	
75	3.75	1	1	3.9	15.2	X	—	933	6.41	7.40	466	4.11	4.80	—	—		—	—		—	—	

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts

Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
A39		A44		A49		A54		A59		A64		A69		A74		A80		
10.8	0.81	13.3	0.85	15.9	0.89	18.4	0.91	21.0	0.93	23.5	0.95	26.0	0.97	28.5	0.99	31.5	1.00	1
—	—	9.9	0.79	12.5	0.85	15.2	0.88	17.7	0.91	20.3	0.93	22.9	0.95	25.4	0.97	28.4	0.99	2
9.6	0.79	12.2	0.83	14.8	0.88	17.3	0.90	19.9	0.93	22.4	0.95	24.9	0.96	27.5	0.98	30.5	1.00	3
11.5	0.82	14.0	0.85	16.6	0.90	19.1	0.92	21.6	0.94	24.2	0.96	26.7	0.97	29.2	0.99	32.2	1.01	4
10.3	0.80	12.9	0.84	15.5	0.88	18.0	0.91	20.6	0.93	23.1	0.95	25.6	0.97	28.1	0.98	31.1	1.00	5
A48		A55		A63		A70		A77		A84		A91		A98		A105		
11.9	0.84	15.6	0.88	19.7	0.93	23.3	0.95	26.8	0.98	30.4	1.00	33.9	1.02	37.4	1.05	40.9	1.06	6
—	—	12.5	0.84	16.7	0.90	20.3	0.93	23.9	0.96	27.5	0.98	31.1	1.00	34.6	1.04	38.1	1.05	7
13.8	0.86	17.4	0.90	21.5	0.94	25.0	0.97	28.6	0.99	32.1	1.01	35.6	1.02	39.1	1.06	42.6	1.07	8
12.7	0.85	16.3	0.89	20.4	0.93	23.9	0.96	27.5	0.98	31.0	1.00	34.5	1.02	38.1	1.05	41.6	1.07	9
11.4	0.83	15.1	0.88	19.3	0.92	22.8	0.95	26.4	0.97	29.9	1.00	33.5	1.01	37.0	1.05	40.5	1.06	10
A46		A52		A58		A65		A72		A79		A86		A93		A100		
—	—	12.4	0.84	15.5	0.88	19.2	0.92	22.8	0.95	26.3	0.97	29.9	1.00	33.4	1.01	36.9	1.05	11
—	—	11.1	0.82	14.3	0.87	18.0	0.91	21.6	0.94	25.2	0.97	28.8	0.99	32.3	1.01	35.9	1.04	12
13.4	0.86	16.5	0.89	19.5	0.92	23.1	0.95	26.6	0.97	30.1	1.00	33.7	1.01	37.2	1.03	40.7	1.06	13
12.2	0.84	15.3	0.88	18.4	0.91	22.0	0.94	25.5	0.97	29.1	0.99	32.6	1.01	36.1	1.03	39.6	1.06	14
11.0	0.82	14.2	0.87	17.3	0.90	20.9	0.93	24.4	0.96	28.0	0.98	31.5	1.00	35.1	1.02	38.6	1.05	15
A46		A52		A58		A65		A72		A79		A86		A93		A100		
13.7	0.86	16.8	0.90	19.9	0.93	23.4	0.95	26.9	0.98	30.5	1.00	34.0	1.02	37.5	1.03	41.0	1.06	16
—	—	10.9	0.82	14.1	0.86	17.8	0.91	21.4	0.94	25.0	0.96	28.6	0.99	32.1	1.01	35.7	1.04	17
13.3	0.86	16.4	0.89	19.4	0.92	23.0	0.95	26.5	0.97	30.1	0.99	33.6	1.01	37.1	1.03	40.6	1.06	18
10.9	0.82	14.1	0.87	17.2	0.90	20.8	0.93	24.4	0.96	27.9	0.98	31.4	1.00	35.0	1.02	38.5	1.05	19
—	—	11.2	0.82	14.4	0.87	18.1	0.91	21.7	0.94	25.3	0.97	28.8	0.99	32.4	1.01	35.9	1.04	20
A48		A55		A63		A70		A77		A84		A91		A98		A105		
—	—	11.5	0.82	15.8	0.88	19.5	0.92	23.1	0.95	26.7	0.98	30.3	1.00	33.8	1.03	37.4	1.05	21
15.0	0.88	18.6	0.91	22.6	0.95	26.2	0.97	29.7	0.99	33.2	1.01	36.7	1.03	40.3	1.06	43.8	1.07	22
13.9	0.86	17.5	0.90	21.6	0.94	25.1	0.96	28.6	0.99	32.2	1.01	35.7	1.02	39.2	1.05	42.7	1.07	23
12.7	0.85	16.4	0.89	20.5	0.93	24.0	0.96	27.6	0.98	31.1	1.00	34.6	1.02	38.1	1.05	41.7	1.07	24
11.5	0.83	15.2	0.88	19.3	0.92	22.9	0.95	26.5	0.97	30.0	1.00	33.5	1.01	37.1	1.05	40.6	1.06	25
A46		A52		A58		A65		A72		A79		A86		A93		A100		
—	—	12.4	0.84	15.6	0.88	19.2	0.92	22.8	0.95	26.4	0.97	29.9	1.00	33.5	1.01	37.0	1.05	26
—	—	10.9	0.81	14.2	0.86	17.9	0.90	21.5	0.94	25.1	0.96	28.7	0.99	32.2	1.01	35.8	1.04	27
12.3	0.84	15.4	0.88	18.5	0.91	22.1	0.94	25.6	0.97	29.1	0.99	32.7	1.01	36.2	1.03	39.7	1.06	28
11.1	0.82	14.3	0.87	17.4	0.90	21.0	0.93	24.5	0.96	28.1	0.98	31.6	1.00	35.1	1.02	38.6	1.05	29
13.5	0.86	16.5	0.89	19.6	0.92	23.2	0.95	26.7	0.97	30.2	1.00	33.7	1.01	37.3	1.03	40.8	1.06	30
A48		A55		A63		A70		A77		A84		A91		A98		A105		
15.6	0.88	19.2	0.92	23.2	0.95	26.8	0.97	30.3	0.99	33.8	1.01	37.3	1.03	40.8	1.06	44.3	1.07	31
14.8	0.87	18.4	0.91	22.5	0.94	26.0	0.97	29.5	0.99	33.1	1.01	36.6	1.03	40.1	1.06	43.6	1.07	32
12.0	0.84	15.7	0.88	19.8	0.92	23.4	0.95	27.0	0.98	30.5	1.00	34.0	1.02	37.6	1.05	41.1	1.06	33
—	—	12.9	0.84	17.1	0.90	20.7	0.93	24.3	0.96	27.9	0.98	31.4	1.00	35.0	1.04	38.5	1.05	34
—	—	11.6	0.82	15.9	0.88	19.6	0.92	23.2	0.95	26.8	0.98	30.4	1.00	33.9	1.03	37.4	1.05	35
A42		A48		A54		A60		A66		A72		A78		A84		A90		
—	—	10.3	0.81	13.6	0.86	16.7	0.89	19.8	0.92	22.9	0.95	25.9	0.97	29.0	0.99	32.0	1.01	36
11.3	0.81	14.4	0.87	17.5	0.90	20.5	0.93	23.6	0.95	26.6	0.97	29.6	0.99	32.6	1.01	35.7	1.02	37
—	—	11.6	0.83	14.7	0.87	17.9	0.91	20.9	0.93	24.0	0.96	27.0	0.98	30.1	1.00	33.1	1.01	38
9.6	0.78	12.8	0.85	15.9	0.89	19.0	0.92	22.1	0.94	25.1	0.96	28.1	0.98	31.2	1.00	34.2	1.02	39
12.4	0.83	15.5	0.88	18.6	0.91	21.6	0.94	24.7	0.96	27.7	0.98	30.7	1.00	33.7	1.01	36.7	1.03	40
A48		A55		A63		A70		A77		A84		A91		A98		A105		
14.0	0.86	17.6	0.90	21.6	0.94	25.2	0.96	28.7	0.99	32.2	1.01	35.8	1.02	39.3	1.05	42.8	1.07	41
—	—	12.6	0.84	16.9	0.89	20.5	0.93	24.1	0.96	27.7	0.98	31.3	1.00	34.8	1.03	38.4	1.05	42
12.2	0.84	15.9	0.88	20.0	0.92	23.6	0.95	27.1	0.98	30.7	1.00	34.2	1.02	37.7	1.05	41.2	1.06	43
—	—	11.6	0.82	16.0	0.88	19.7	0.92	23.3	0.95	26.9	0.97	30.4	1.00	34.0	1.03	37.5	1.05	44
13.4	0.86	17.0	0.90	21.1	0.93	24.7	0.96	28.2	0.98	31.7	1.00	35.3	1.02	38.8	1.05	42.3	1.07	45
A46		A52		A58		A65		A72		A79		A86		A93		A100		
—	—	11.3	0.82	14.5	0.86	18.2	0.91	21.8	0.94	25.4	0.97	29.0	0.99	32.5	1.01	36.1	1.04	46
11.0	0.82	14.2	0.86	17.3	0.90	20.9	0.93	24.5	0.96	28.0	0.98	31.6	1.00	35.1	1.02	38.6	1.05	47
—	—	12.5	0.84	15.7	0.88	19.4	0.92	23.0	0.95	26.5	0.97	30.1	0.99	33.6	1.01	37.2	1.05	48
13.5	0.86	16.6	0.89	19.7	0.92	23.2	0.95	26.8	0.97	30.3	0.99	33.8	1.01	37.3	1.03	40.8	1.06	49
10.6	0.81	13.8	0.86	16.9	0.89	20.5	0.93	24.1	0.96	27.6	0.98	31.2	1.00	34.7	1.02	38.2	1.05	50
A48		A55		A63		A70		A77		A84		A91		A98		A105		
12.9	0.85	16.5	0.89	20.6	0.93	24.2	0.96	27.7	0.98	31.2	1.00	34.8	1.02	38.3	1.05	41.8	1.06	51
—	—	12.7	0.84	17.0	0.89	20.6	0.93	24.2	0.96	27.8	0.98	31.3	1.00	34.9	1.03	38.4	1.05	52
14.5	0.87	18.1	0.91	22.1	0.94	25.7	0.97	29.2	0.99	32.7	1.01	36.2	1.03	39.8	1.06	43.3	1.07	53
14.0	0.86	17.6	0.90	21.7	0.94	25.2	0.96	28.8	0.99	32.3	1.01	35.8	1.02	39.3	1.05	42.9	1.07	54
—	—	11.7	0.82	16.0	0.88	19.7	0.92	23.3	0.95	26.9	0.97	30.5	1.00	34.0	1.03	37.6	1.05	55
A46		A52		A58		A65		A72		A79		A86		A93		A100		
11.2	0.82	14.4	0.87	17.5	0.90	21.1	0.93	24.7	0.96	28.2	0.98	31.7	1.00	35.3	1.02	38.8	1.05	56
—	—	11.3	0.82	14.6	0.86	18.3	0.91	21.9	0.94	25.5	0.96	29.1	0.99	32.6	1.01	36.1	1.04	57
14.1	0.86	17.2	0.90	20.3	0.93	23.8	0.95	27.3	0.98	30.9	1.00	34.4	1.02	37.9	1.03	41.4	1.06	58
—	—	12.6	0.84	15.8	0.88	19.4	0.92	23.0	0.95	26.6	0.97	30.2	0.99	33.7	1.01	37.2	1.04	59
12.4	0.84	15.6	0.88	18.6	0.91	22.2	0.94	25.7	0.97	29.3	0.99	32.8	1.01	36.3	1.03	39.9	1.06	60
A48		A55		A63		A70		A77		A84		A91		A98		A105		
12.2	0.83	15.9	0.88	20.0	0.92	23.6	0.95	27.1	0.98	30.6	1.00	34.2	1.02	37.7	1.05	41.2	1.06	61
11.7	0.83	15.4	0.88	19.5	0.92	23.1	0.95	26.7	0.97	30.2	0.99	33.8	1.01	37.3	1.04	40.8	1.06	62
—	—	12.8	0.84	17.0	0.89	20.7	0.93	24.3	0.96	27.9	0.98	31.4	1.00	35.0	1.03	38.5	1.05	63
—	—	11.8	0.82	16.1	0.88	19.8	0.92	23.4	0.95	27.0	0.97	30.6	1.00	34.1	1.03	37.7	1.05	64
12.9	0.85	16.6	0.89	20.7	0.93	24.2	0.96	27.8	0.98	31.3	1.00	34.8	1.02	38.4	1.05	41.9	1.06	65
A46		A52		A58		A65		A72		A79		A86		A93		A100		
13.9	0.86	17.0	0.90	20.1	0.92	23.6	0.95	27.2	0.97	30.7	1.00	34.2	1.01	37.7	1.03	41.2	1.06	66
—	—	11.4	0.82	14.7	0.86	18.3	0.91	22.0	0.94	25.6	0.96	29.1	0.99	32.7	1.01	36.2	1.04	67
13.0	0.85	16.2	0.89	19.2	0.92	22.8	0.94	26.3	0.97	29.9	0.99	33.4	1.01	36.9	1.03	40.4	1.06	68
11.3	0.82	14.5	0.86	17.6	0.90	21.2	0.93	24.7	0.96	28.3	0.98	31.8	1.00	35.3	1.02	38.9	1.05	69
—	—	12.7	0.84	15.9	0.88	19.5	0.92	23.1	0.95	26.7	0.97	30.2	0.99	33.8	1.01	37.3	1.04	70
A48		A55		A63		A70		A77		A84		A91		A98		A105		
—	—	12.8	0.84	17.1	0.89	20.8	0.93	24.4	0.96	27.9	0.98	31.5	1.00	35.0	1.03	38.6	1.05	71
13.5	0.85	17.2	0.90	21.3	0.93	24.8	0.96	28.3	0.98	31.9	1.00	35.4	1.02	38.9	1.05	42.4	1.07	72
12.2	0.83	15.9	0.88	20.0	0.92	23.6	0.95	27.2	0.97	30.7	1.00	34.2	1.01	37.8	1.05	41.3	1.06	73
11.8	0.83	15.5	0.88	19.6	0.92	23.2	0.95	26.8	0.97	30.3	0.99	33.8	1.01	37.4	1.04	40.9	1.06	74
—	—	11.8	0.82	16.2	0.88	19.9	0.92	23.5	0.95	27.1	0.97	30.6	1.00	34.2	1.03	37.7	1.05	75

B

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves		Datum Diameter		Type		Nominal Driven Speeds and Horsepower per Belt						Center Distance in Inches and "F" Factor for Browning Belts					
								3500 RPM Driver			1750 RPM Driver			Belt No.		Belt No.		Belt No.	
		Min	Max	Driver	Driven	Fix.	Var.	Nominal Driven Speed	HP per Belt Super	HP per Belt Gripnotch	Nominal Driven Speed	HP per Belt Super	HP per Belt Gripnotch	C.D.	F	C.D.	F	C.D.	F
														A26		A33		A40	
1	3.78	1	3	3.6	14.2	X	X	925	5.57	6.67	462	3.58	4.34	—	—	—	—	—	—
2	3.80	1	1	2.4	9.7	X	—	921	2.39	3.58	460	1.58	2.41	—	—	—	—	10.5	0.80
3	3.80	1	1	2.8	11.2	X	X	921	3.27	4.67	460	2.13	3.07	—	—	—	—	8.7	0.76
4	3.82	1	2	3.3	13.2	X	X	916	4.69	5.95	458	3.05	3.87	—	—	—	—	—	—
5	3.83	1	1	2.9	11.7	X	—	913	3.48	4.93	456	2.32	3.24	—	—	—	—	—	—
														A26		A34		A42	
6	3.84	1	1	2.4	9.8	X	—	911	2.39	3.58	455	1.58	2.41	—	—	—	—	11.5	0.81
7	3.84	1	3	3.6	14.4	X	X	911	5.57	6.67	455	3.58	4.34	—	—	—	—	—	—
8	3.85	1	2	3.8	15.2	X	X	909	6.14	7.13	454	3.94	4.65	—	—	—	—	—	—
9	3.87	1	1	2.9	11.8	X	—	904	3.48	4.93	452	2.32	3.24	—	—	—	—	9.0	0.76
10	3.87	1	3	3.0	12.2	X	X	904	3.78	5.19	452	2.50	3.40	—	—	—	—	—	—
														A26		A33		A40	
11	3.89	1	1	2.6	10.7	X	—	899	2.83	4.13	449	1.84	2.74	—	—	—	—	9.3	0.77
12	3.89	1	2	3.5	14.2	X	—	899	5.28	6.43	449	3.41	4.19	—	—	—	—	—	—
13	3.93	1	1	2.7	11.2	X	—	890	3.05	4.40	445	1.97	2.91	—	—	—	—	8.7	0.76
14	3.94	1	3	3.2	13.2	X	—	888	4.39	5.70	444	2.86	3.72	—	—	—	—	—	—
15	3.94	1	2	3.5	14.4	X	—	888	5.28	6.43	444	3.41	4.19	—	—	—	—	—	—
														A26		A34		A42	
16	3.94	1	2	3.7	15.2	X	—	888	5.86	6.91	444	3.76	4.50	—	—	—	—	—	—
17	3.96	1	1	2.8	11.7	X	X	883	3.27	4.67	441	2.13	3.07	—	—	—	—	9.2	0.76
18	4.00	1	1	2.4	10.2	X	—	875	2.39	3.58	437	1.58	2.41	—	—	—	—	11.1	0.80
19	4.00	1	1	2.8	11.8	X	X	875	3.27	4.67	437	2.13	3.07	—	—	—	—	9.1	0.76
20	4.00	1	1	2.9	12.2	X	—	875	3.48	4.93	437	2.32	3.24	—	—	—	—	—	—
														A26		A34		A42	
21	4.00	1	3	3.4	14.2	X	—	875	4.99	6.19	437	3.23	4.03	—	—	—	—	—	—
22	4.05	1	3	3.4	14.4	X	—	864	4.99	6.19	432	3.23	4.03	—	—	—	—	—	—
23	4.05	1	2	3.6	15.2	X	X	864	5.57	6.67	432	3.58	4.34	—	—	—	—	—	—
24	4.06	1	2	3.1	13.2	X	—	862	4.09	5.45	431	2.68	3.56	—	—	—	—	—	—
25	4.07	1	1	2.6	11.2	X	—	859	2.83	4.13	429	1.84	2.74	—	—	—	—	9.9	0.78
														A26		A34		A42	
26	4.10	1	1	2.7	11.7	X	—	853	3.05	4.40	426	1.97	2.91	—	—	—	—	9.3	0.76
27	4.11	1	2	3.3	14.2	X	X	851	4.69	5.95	425	3.05	3.87	—	—	—	—	—	—
28	4.13	1	1	2.7	11.8	X	—	847	3.05	4.40	423	1.97	2.91	—	—	—	—	9.1	0.76
29	4.13	1	1	2.8	12.2	X	X	847	3.27	4.67	423	2.13	3.07	—	—	—	—	—	—
30	4.16	1	2	3.5	15.2	X	—	841	5.28	6.43	420	3.41	4.19	—	—	—	—	—	—
														A26		A33		A40	
31	4.17	1	2	3.3	14.4	X	X	839	4.69	5.95	419	3.05	3.87	—	—	—	—	—	—
32	4.18	1	3	3.0	13.2	X	X	837	3.78	5.19	418	2.50	3.40	—	—	—	—	—	—
33	4.19	1	1	2.4	10.7	X	—	835	2.39	3.58	417	1.58	2.41	—	—	—	—	9.5	0.77
34	4.23	1	3	3.2	14.2	X	—	827	4.39	5.70	413	2.86	3.72	—	—	—	—	—	—
35	4.25	1	1	2.6	11.7	X	—	823	2.83	4.13	411	1.84	2.74	—	—	—	—	—	—
														A26		A34		A42	
36	4.27	1	1	2.7	12.2	X	—	819	3.05	4.40	409	1.97	2.91	—	—	—	—	—	—
37	4.27	1	2	3.4	15.2	X	—	819	4.99	6.19	409	3.23	4.03	—	—	—	—	—	—
38	4.28	1	1	2.6	11.8	X	—	817	2.83	4.13	408	1.84	2.74	—	—	—	—	9.2	0.76
39	4.29	1	3	3.2	14.4	X	—	815	4.39	5.70	407	2.86	3.72	—	—	—	—	—	—
40	4.32	1	1	2.9	13.2	X	—	810	3.48	4.93	405	2.32	3.24	—	—	—	—	—	—
														A26		A34		A42	
41	4.36	1	2	3.1	14.2	X	—	802	4.09	5.45	401	2.68	3.56	—	—	—	—	—	—
42	4.38	1	1	2.4	11.2	X	—	799	2.39	3.58	399	1.58	2.41	—	—	—	—	10.0	0.78
43	4.40	1	2	3.3	15.2	X	X	795	4.69	5.95	397	3.05	3.87	—	—	—	—	—	—
44	4.42	1	1	2.6	12.2	X	—	791	2.83	4.13	395	1.84	2.74	—	—	—	—	—	—
45	4.42	1	2	3.1	14.4	X	—	791	4.09	5.45	395	2.68	3.56	—	—	—	—	—	—
														A26		A34		A42	
46	4.46	1	1	2.8	13.2	X	X	784	3.27	4.67	392	2.13	3.07	—	—	—	—	—	—
47	4.50	1	3	3.0	14.2	X	X	777	3.78	5.19	388	2.50	3.40	—	—	—	—	—	—
48	4.52	1	2	3.2	15.2	X	—	774	4.39	5.70	387	2.86	3.72	—	—	—	—	—	—
49	4.56	1	3	3.0	14.4	X	X	767	3.78	5.19	383	2.50	3.40	—	—	—	—	—	—
50	4.57	1	1	2.4	11.7	X	—	765	2.39	3.58	382	1.58	2.41	—	—	—	—	9.5	0.76
														A26		A34		A42	
51	4.61	1	1	2.4	11.8	X	—	759	2.39	3.58	379	1.58	2.41	—	—	—	—	9.3	0.76
52	4.62	1	1	2.7	13.2	X	—	757	3.05	4.40	378	1.97	2.91	—	—	—	—	—	—
53	4.64	1	1	2.9	14.2	X	—	754	3.48	4.93	377	2.32	3.24	—	—	—	—	—	—
54	4.66	1	2	3.1	15.2	X	—	751	4.09	5.45	375	2.68	3.56	—	—	—	—	—	—
55	4.70	1	1	2.9	14.4	X	—	744	3.48	4.93	372	2.32	3.24	—	—	—	—	—	—
														A26		A33		A40	
56	4.76	1	1	2.4	12.2	X	—	735	2.39	3.58	367	1.58	2.41	—	—	—	—	—	—
57	4.78	1	1	2.6	13.2	X	—	732	2.83	4.13	366	1.84	2.74	—	—	—	—	—	—
58	4.80	1	1	2.8	14.2	X	X	729	3.27	4.67	364	2.13	3.07	—	—	—	—	—	—
59	4.81	1	2	3.0	15.2	X	X	727	3.78	5.19	363	2.50	3.40	—	—	—	—	—	—
60	4.86	1	1	2.8	14.4	X	X	720	3.27	4.67	360	2.13	3.07	—	—	—	—	—	—
														A26		A33		A40	
61	4.96	1	1	2.7	14.2	X	—	705	3.05	4.40	352	1.97	2.91	—	—	—	—	—	—
62	4.96	1	1	2.9	15.2	X	—	705	3.48	4.93	352	2.32	3.24	—	—	—	—	—	—
63	5.03	1	1	2.7	14.4	X	—	695	3.05	4.40	347	1.97	2.91	—	—	—	—	—	—
64	5.13	1	1	2.8	15.2	X	X	682	3.27	4.67	341	2.13	3.07	—	—	—	—	—	—
65	5.14	1	1	2.6	14.2	X	—	680	2.83	4.13	340	1.84	2.74	—	—	—	—	—	—
														A26		A33		A40	
66	5.15	1	1	2.4	13.2	X	—	679	2.39	3.58	339	1.58	2.41	—	—	—	—	—	—
67	5.21	1	1	2.6	14.4	X	—	671	2.83	4.13	335	1.84	2.74	—	—	—	—	—	—
68	5.31	1	1	2.7	15.2	X	—	659	3.05	4.40	329	1.97	2.91	—	—	—	—	—	—
69	5.50	1	1	2.6	15.2	X	—	636	2.83	4.13	318	1.84	2.74	—	—	—	—	—	—
70	5.53	1	1	2.4	14.2	X	—	632	2.39	3.58	316	1.58	2.41	—	—	—	—	—	—

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts																				Line No.
Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.				
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F			
A46		A52		A58		A65		A72		A79		A86		A93		A100				
—	—	11.5	0.82	14.7	0.86	18.4	0.90	22.0	0.94	25.6	0.96	29.2	0.99	32.7	1.01	36.3	1.04			1
13.7	0.86	16.8	0.89	19.8	0.92	23.4	0.95	26.9	0.97	30.4	0.99	34.0	1.01	37.5	1.03	41.0	1.06			2
11.9	0.83	15.1	0.87	18.2	0.90	21.8	0.94	25.3	0.96	28.9	0.98	32.4	1.00	35.9	1.02	39.4	1.05			3
—	—	12.7	0.84	15.9	0.88	19.6	0.92	23.2	0.95	26.7	0.97	30.3	0.99	33.8	1.01	37.4	1.04			4
11.3	0.82	14.5	0.86	17.6	0.90	21.2	0.93	24.8	0.96	28.3	0.98	31.9	1.00	35.4	1.02	38.9	1.05			5
A48		A55		A63		A70		A77		A84		A91		A98		A105				
14.6	0.87	18.2	0.91	22.3	0.94	25.8	0.97	29.3	0.99	32.9	1.01	36.4	1.02	39.9	1.05	43.4	1.07			6
—	—	12.9	0.84	17.2	0.89	20.8	0.93	24.4	0.95	28.0	0.98	31.6	1.00	35.1	1.03	38.6	1.05			7
—	—	11.9	0.82	16.2	0.88	19.9	0.92	23.5	0.95	27.1	0.97	30.7	0.99	34.3	1.03	37.8	1.05			8
12.3	0.83	16.0	0.88	20.1	0.92	23.7	0.95	27.2	0.97	30.8	1.00	34.3	1.01	37.8	1.05	41.4	1.06			9
11.8	0.82	15.5	0.88	19.7	0.92	23.3	0.95	26.8	0.97	30.4	0.99	33.9	1.01	37.4	1.04	41.0	1.06			10
A46		A52		A58		A65		A72		A79		A88		A93		A100				
12.6	0.84	15.7	0.88	18.8	0.91	22.3	0.94	25.9	0.97	29.4	0.99	33.0	1.01	36.5	1.02	40.0	1.06			11
—	—	11.5	0.82	14.8	0.86	18.5	0.90	22.1	0.94	25.7	0.96	29.3	0.99	32.8	1.01	36.4	1.04			12
12.0	0.83	15.1	0.87	18.2	0.90	21.8	0.94	25.4	0.96	28.9	0.98	32.5	1.00	36.0	1.02	39.5	1.05			13
—	—	12.8	0.84	16.0	0.88	19.6	0.92	23.2	0.95	26.8	0.97	30.4	0.99	33.9	1.01	37.4	1.04			14
—	—	11.3	0.81	14.6	0.86	18.3	0.90	21.9	0.93	25.5	0.96	29.1	0.98	32.6	1.01	36.2	1.04			15
A48		A55		A63		A70		A77		A84		A91		A98		A105				
—	—	11.9	0.82	16.3	0.88	20.0	0.92	23.6	0.95	27.2	0.97	30.8	0.99	34.3	1.03	37.9	1.05			16
12.5	0.83	16.2	0.88	20.3	0.92	23.9	0.95	27.4	0.97	30.9	1.00	34.5	1.01	38.0	1.05	41.5	1.06			17
14.2	0.86	17.8	0.90	21.9	0.94	25.5	0.96	29.0	0.98	32.5	1.00	36.0	1.02	39.6	1.05	43.1	1.07			18
12.4	0.83	16.1	0.88	20.2	0.92	23.8	0.95	27.3	0.97	30.9	1.00	34.4	1.01	37.9	1.05	41.4	1.06			19
11.9	0.82	15.6	0.87	19.7	0.92	23.3	0.95	26.9	0.97	30.4	0.99	34.0	1.01	37.5	1.04	41.0	1.06			20
A48		A55		A63		A70		A77		A84		A91		A98		A105				
—	—	13.2	0.84	17.5	0.89	21.1	0.93	24.7	0.96	28.3	0.98	31.9	1.00	35.4	1.03	39.0	1.05			21
—	—	13.0	0.83	17.3	0.89	21.0	0.93	24.6	0.95	28.1	0.98	31.7	1.00	35.2	1.03	38.8	1.05			22
—	—	12.0	0.82	16.4	0.88	20.1	0.92	23.7	0.95	27.3	0.97	30.8	0.99	34.4	1.03	37.9	1.04			23
10.7	0.80	14.5	0.86	18.7	0.91	22.3	0.94	25.9	0.96	29.4	0.99	33.0	1.01	36.5	1.04	40.0	1.05			24
13.1	0.84	16.8	0.89	20.9	0.93	24.4	0.95	28.0	0.98	31.5	1.00	35.1	1.02	38.6	1.05	42.1	1.06			25
A48		A55		A63		A70		A77		A84		A91		A98		A105				
12.5	0.83	16.2	0.88	20.3	0.92	23.9	0.95	27.5	0.97	31.0	1.00	34.6	1.01	38.1	1.05	41.6	1.06			26
—	—	13.3	0.84	17.6	0.89	21.2	0.93	24.8	0.96	28.4	0.98	31.9	1.00	35.5	1.03	39.0	1.05			27
12.4	0.83	16.1	0.88	20.3	0.92	23.8	0.95	27.4	0.97	30.9	0.99	34.5	1.01	38.0	1.05	41.5	1.06			28
12.0	0.82	15.7	0.87	19.8	0.92	23.4	0.95	27.0	0.97	30.5	0.99	34.1	1.01	37.6	1.04	41.1	1.06			29
—	—	12.1	0.82	16.4	0.88	20.1	0.92	23.8	0.95	27.3	0.97	30.9	0.99	34.5	1.03	38.0	1.04			30
A46		A52		A58		A65		A72		A79		A86		A93		A100				
—	—	11.4	0.81	14.7	0.86	18.4	0.90	22.1	0.93	25.7	0.96	29.2	0.98	32.8	1.00	36.3	1.04			31
—	—	12.9	0.84	16.1	0.88	19.8	0.91	23.4	0.94	27.0	0.97	30.5	0.99	34.1	1.01	37.6	1.04			32
12.7	0.84	15.8	0.88	18.9	0.91	22.5	0.94	26.0	0.96	29.6	0.99	33.1	1.01	36.6	1.02	40.2	1.05			33
—	—	11.7	0.82	15.0	0.86	18.7	0.90	22.3	0.94	25.9	0.96	29.5	0.99	33.0	1.01	36.6	1.04			34
11.5	0.82	14.7	0.86	17.8	0.90	21.4	0.93	25.0	0.96	28.6	0.98	32.1	1.00	35.6	1.02	39.2	1.05			35
A48		A55		A63		A70		A77		A84		A91		A98		A105				
12.0	0.82	15.7	0.87	19.9	0.92	23.5	0.95	27.0	0.97	30.6	0.99	34.1	1.01	37.7	1.04	41.2	1.06			36
—	—	12.1	0.82	16.5	0.88	20.2	0.92	23.8	0.95	27.4	0.97	31.0	0.99	34.5	1.03	38.1	1.04			37
12.5	0.83	16.2	0.88	20.3	0.92	23.9	0.95	27.5	0.97	31.0	0.99	34.5	1.01	38.1	1.04	41.6	1.06			38
—	—	13.1	0.83	17.4	0.89	21.1	0.92	24.7	0.95	28.3	0.98	31.8	1.00	35.4	1.03	38.9	1.05			39
10.8	0.80	14.6	0.86	18.8	0.90	22.4	0.94	26.0	0.96	29.6	0.99	33.1	1.01	36.6	1.04	40.2	1.05			40
A48		A55		A63		A70		A77		A84		A91		A98		A105				
—	—	13.4	0.84	17.7	0.89	21.3	0.93	25.0	0.95	28.5	0.98	32.1	1.00	35.6	1.03	39.2	1.05			41
13.2	0.84	16.9	0.89	21.0	0.93	24.6	0.95	28.1	0.98	31.7	1.00	35.2	1.02	38.7	1.05	42.2	1.06			42
—	—	12.2	0.81	16.6	0.88	20.3	0.91	23.9	0.95	27.5	0.97	31.1	0.99	34.6	1.03	38.2	1.04			43
12.1	0.82	15.8	0.87	20.0	0.92	23.5	0.94	27.1	0.97	30.7	0.99	34.2	1.01	37.7	1.04	41.3	1.06			44
—	—	13.2	0.83	17.5	0.89	21.2	0.92	24.8	0.95	28.3	0.98	31.9	1.00	35.5	1.03	39.0	1.05			45
A48		A55		A63		A70		A77		A84		A91		A98		A105				
10.9	0.80	14.7	0.86	18.9	0.90	22.5	0.94	26.1	0.96	29.6	0.98	33.2	1.00	36.7	1.04	40.3	1.05			46
—	—	13.5	0.84	17.8	0.89	21.4	0.93	25.0	0.95	28.6	0.98	32.2	1.00	35.7	1.03	39.2	1.05			47
—	—	12.3	0.81	16.6	0.88	20.3	0.91	24.0	0.94	27.6	0.97	31.1	0.99	34.7	1.03	38.2	1.04			48
—	—	13.3	0.83	17.6	0.89	21.2	0.92	24.8	0.95	28.4	0.98	32.0	1.00	35.5	1.03	39.1	1.05			49
12.7	0.83	16.4	0.88	20.6	0.92	24.1	0.95	27.7	0.97	31.2	0.99	34.8	1.01	38.3	1.04	41.8	1.06			50
A48		A55		A63		A70		A77		A84		A91		A98		A105				
12.6	0.83	16.3	0.88	20.5	0.92	24.0	0.95	27.6	0.97	31.1	0.99	34.7	1.01	38.2	1.04	41.7	1.06			51
10.9	0.80	14.7	0.86	18.9	0.90	22.6	0.94	26.1	0.96	29.7	0.98	33.3	1.00	36.8	1.04	40.3	1.05			52
—	—	13.6	0.84	17.8	0.89	21.5	0.93	25.1	0.95	28.7	0.98	32.2	1.00	35.8	1.03	39.3	1.05			53
—	—	12.3	0.81	16.7	0.88	20.4	0.91	24.0	0.94	27.6	0.97	31.2	0.99	34.8	1.03	38.3	1.04			54
—	—	13.3	0.83	17.6	0.89	21.3	0.92	24.9	0.95	28.5	0.98	32.1	1.00	35.6	1.03	39.1	1.05			55
A46		A52		A58		A65		A72		A79		A86		A93		A100				
11.1	0.81	14.4	0.85	17.5	0.89	21.1	0.92	24.7	0.95	28.3	0.98	31.8	1.00	35.3	1.02	38.9	1.05			56
9.8	0.77	13.2	0.83	16.4	0.87	20.0	0.91	23.7	0.94	27.2	0.97	30.8	0.99	34.3	1.01	37.9	1.04			57
—	—	12.0	0.81	15.2	0.86	18.9	0.90	22.6	0.93	26.2	0.96	29.8	0.98	33.3	1.00	36.9	1.04			58
—	—	10.6	0.77	14.0	0.84	17.8	0.89	21.5	0.92	25.1	0.95	28.7	0.98	32.3	1.00	35.8	1.03			59
—	—	11.7	0.80	15.0	0.85	18.8	0.90	22.4	0.93	26.0	0.96	29.6	0.98	33.1	1.00	36.7	1.03			60
A46		A52		A58		A65		A72		A79		A86		A93		A100				
—	—	12.0	0.81	15.3	0.86	19.0	0.90	22.7	0.93	26.3	0.96	29.8	0.98	33.4	1.00	36.9	1.04			61
—	—	10.7	0.77	14.1	0.84	17.9	0.89	21.6	0.92	25.2	0.95	28.8	0.98	32.4	1.00	35.9	1.03			62
—	—	11.8	0.80	15.1	0.85	18.8	0.90	22.5	0.93	26.1	0.96	29.6	0.98	33.2	1.00	36.8	1.03			63
—	—	10.8	0.77	14.2	0.84	18.0	0.89	21.6	0.92	25.3	0.95	28.9	0.98	32.4	1.00	36.0	1.03			64
—	—	12.1	0.81	15.4	0.86	19.1	0.90	22.7	0.93	26.3	0.96	29.9	0.98	33.5	1.00	37.0	1.04			65
A46		A52		A58		A65		A72		A79		A86		A93		A100				
10.0	0.76	13.3	0.83	16.5	0.87	20.2	0.91	23.8	0.94	27.4	0.97	30.9	0.99	34.5	1.01	38.0	1.04			66
—	—	11.9	0.80	15.2	0.85	18.9	0.90	22.5	0.93	26.1	0.96	29.7	0.98	33.3	1.00	36.8	1.03			67
—	—	10.8	0.76	14.2	0.85	18.0	0.89	21.7	0.92	25.3	0.95	28.9	0.97	32.5	1.00	36.1	1.03			68
—	—	10.9	0.76	14.3	0.85	18.1	0.88	21.8	0.92	25.4	0.95	29.0	0.97	32.6	1.00	36.1	1.03			69
—	—	12.2	0.81	15.5	0.86	19.2	0.90	22.9	0.93	26.5	0.96	30.0	0.98	33.6	1.00	37.2	1.03			70

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Datum Diameter Driver	Datum Diameter Driven	Type Fix.	Type Var.	Nominal Driven Speeds and Horsepower per Belt — 3500 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	1750 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	Center Distance in Inches and "F" Factor for Browning Belts: Belt No.	C.D.	F	Belt No.	C.D.	F	Belt No.	C.D.	F
1	1.00	1	2	3.0	3.0	X	X	3500	1.28	5.16	1750	1.58	3.72	B28	10.2	0.80	B34	13.2	0.83	B40	16.2	0.86
2	1.00	1	2	3.2	3.2	X	—	3500	2.01	5.89	1750	2.03	4.17		9.9	0.80		12.9	0.83		15.9	0.86
3	1.00	1	6	3.4	3.4	X	—	3500	2.72	6.59	1750	2.47	4.62		9.6	0.80		12.6	0.83		15.6	0.86
4	1.00	1	6	3.6	3.6	X	—	3500	3.40	7.27	1750	2.91	5.07		9.2	0.80		12.2	0.83		15.2	0.86
5	1.00	1	6	3.8	3.8	X	—	3500	4.06	7.93	1750	3.34	5.50		8.9	0.80		11.9	0.83		14.9	0.86
6	1.00	1	2	3.9	3.9	X	X	3500	4.39	8.26	1750	3.55	5.72	B28	8.8	0.80	B34	11.8	0.83	B40	14.8	0.86
7	1.00	1	6	4.0	4.0	X	—	3500	4.70	8.57	1750	3.77	5.93		8.6	0.80		11.6	0.83		14.6	0.86
8	1.00	1	2	4.1	4.1	X	—	3500	5.02	8.89	1750	3.98	6.15		8.5	0.80		11.5	0.83		14.5	0.86
9	1.00	1	6	4.2	4.2	X	—	3500	5.32	9.19	1750	4.19	6.36		8.3	0.80		11.3	0.83		14.3	0.86
10	1.00	1	6	4.4	4.4	X	—	3500	5.92	9.79	1750	4.61	6.78		8.0	0.80		11.0	0.83		14.0	0.86
11	1.00	1	6	4.6	4.6	X	—	3500	6.48	10.57	1750	5.10	7.19	B28	7.7	0.80	B34	10.7	0.83	B40	13.7	0.86
12	1.00	1	6	4.8	4.8	X	—	3500	7.03	11.43	1750	5.64	7.60		7.4	0.80		10.4	0.83		13.4	0.86
13	1.00	1	2	4.9	4.9	X	X	3500	7.34	11.86	1750	5.90	7.80		7.2	0.80		10.2	0.83		13.2	0.86
14	1.00	1	6	5.0	5.0	X	—	3500	7.69	12.28	1750	6.16	8.08		7.1	0.80		10.1	0.83		13.1	0.86
15	1.00	1	2	5.1	5.1	X	X	3500	8.04	12.69	1750	6.43	8.36		6.9	0.80		9.9	0.83		12.9	0.86
16	1.00	1	6	5.2	5.2	X	—	3500	8.38	13.09	1750	6.69	8.64	B28	6.7	0.80	B34	9.7	0.83	B40	12.7	0.86
17	1.00	1	10	5.4	5.4	X	X	3500	9.04	13.89	1750	7.21	9.19		—	—		9.4	0.83		12.4	0.86
18	1.00	1	10	5.6	5.6	X	X	3500	9.67	14.65	1750	7.72	9.73		—	—		9.1	0.83		12.1	0.86
19	1.00	1	10	5.8	5.8	X	—	3500	10.26	15.39	1750	8.22	10.27		—	—		8.8	0.83		11.8	0.86
20	1.00	1	2	5.9	5.9	X	X	3500	10.54	15.75	1750	8.47	10.54		—	—		8.6	0.83		11.6	0.86
21	1.00	1	10	6.0	6.0	X	X	3500	10.81	16.10	1750	8.72	10.81	B28	—	—	B34	8.5	0.83	B40	11.5	0.86
22	1.00	1	2	6.1	6.1	X	X	3500	11.08	16.45	1750	8.97	11.07		—	—		8.3	0.83		11.3	0.86
23	1.00	1	10	6.2	6.2	X	—	3500	11.34	16.79	1750	9.22	11.34		—	—		8.2	0.83		11.2	0.86
24	1.00	1	10	6.4	6.4	X	X	3500	11.82	17.44	1750	9.71	11.86		—	—		7.9	0.83		10.9	0.86
25	1.00	1	10	6.6	6.6	X	X	3500	12.27	18.07	1750	10.19	12.39		—	—		—	—		10.5	0.86
26	1.00	1	10	6.8	6.8	X	—	—	—	—	1750	10.66	12.90	B28	—	—	B34	—	—	B40	10.2	0.86
27	1.00	1	1	6.9	6.9	X	X	—	—	—	1750	10.90	13.16		—	—		—	—		10.1	0.86
28	1.00	1	10	7.0	7.0	X	—	—	—	—	1750	11.13	13.41		—	—		—	—		9.9	0.86
29	1.00	1	1	7.1	7.1	X	X	—	—	—	1750	11.37	13.67		—	—		—	—		9.8	0.86
30	1.00	1	10	7.4	7.4	X	X	—	—	—	1750	12.06	14.42		—	—		—	—		9.3	0.86
31	1.00	1	1	7.9	7.9	X	—	—	—	—	1750	13.17	15.65	B28	—	—	B34	—	—	B40	—	—
32	1.00	1	10	8.0	8.0	X	—	—	—	—	1750	13.39	15.89		—	—		—	—		—	—
33	1.00	1	2	8.4	8.4	X	X	—	—	—	1750	14.25	16.84		—	—		—	—		—	—
34	1.00	1	10	8.6	8.6	X	—	—	—	—	1750	14.66	17.31		—	—		—	—		—	—
35	1.00	1	1	8.9	8.9	X	—	—	—	—	1750	15.28	18.00		—	—		—	—		—	—
36	1.00	1	10	9.0	9.0	X	—	—	—	—	1750	15.48	18.23	B28	—	—	B36	—	—	B44	—	—
37	1.00	1	10	9.4	9.4	X	X	—	—	—	1750	16.27	19.13		—	—		—	—		—	—
38	1.00	1	1	9.9	9.9	X	—	—	—	—	1750	17.21	20.22		—	—		—	—		—	—
39	1.00	1	2	10.4	10.4	X	—	—	—	—	1750	18.10	21.27		—	—		—	—		—	—
40	1.00	1	1	10.9	10.9	X	—	—	—	—	1750	18.95	22.28		—	—		—	—		—	—
41	1.00	1	10	11.0	11.0	X	—	—	—	—	1750	19.11	22.47	B34	—	—	B44	—	—	B54	—	—
42	1.00	1	2	11.4	11.4	X	—	—	—	—	1750	19.75	23.25		—	—		—	—		—	—
43	1.00	1	10	12.4	12.4	X	—	—	—	—	1750	21.18	25.06		—	—		—	—		—	—
44	1.00	1	2	13.4	13.4	X	—	—	—	—	1750	22.40	26.70		—	—		—	—		—	—
45	1.00	1	10	13.6	13.6	X	—	—	—	—	1750	22.61	27.00		—	—		—	—		—	—
46	1.01	1	2	4.8	4.9	X	—	3465	7.17	11.60	1732	5.73	7.61	B28	7.3	0.80	B34	10.3	0.83	B40	13.3	0.86
47	1.01	1	2	4.9	5.0	X	X	3465	7.53	12.02	1732	6.00	7.89		7.1	0.80		10.1	0.83		13.1	0.86
48	1.01	1	2	5.0	5.1	X	—	3465	7.89	12.44	1732	6.26	8.16		7.0	0.80		10.0	0.83		13.0	0.86
49	1.01	1	2	5.1	5.2	X	X	3465	8.24	12.86	1732	6.52	8.44		6.8	0.80		9.8	0.83		12.8	0.86
50	1.01	1	2	5.8	5.9	X	—	3465	10.45	15.56	1732	8.32	10.36		—	—		8.7	0.83		11.7	0.86
51	1.01	1	2	5.9	6.0	X	X	3465	10.73	15.92	1732	8.57	10.62	B28	—	—	B34	8.6	0.83	B40	11.6	0.86
52	1.01	1	2	6.0	6.1	X	X	3465	11.01	16.27	1732	8.82	10.89		—	—		8.4	0.83		11.4	0.86
53	1.01	1	2	6.1	6.2	X	X	3465	11.27	16.62	1732	9.07	11.16		—	—		8.2	0.83		11.2	0.86
54	1.01	1	1	6.8	6.9	X	—	—	—	—	1732	10.76	12.99		—	—		—	—		10.1	0.86
55	1.01	1	1	6.9	7.0	X	X	—	—	—	1732	11.00	13.24		—	—		—	—		10.0	0.86
56	1.01	1	1	7.0	7.1	X	—	—	—	—	1732	11.23	13.50	B34	—	—	B43	11.3	0.87	B52	15.8	0.90
57	1.01	1	1	7.9	8.0	X	—	—	—	—	1732	13.27	15.73		—	—		9.9	0.87		14.4	0.90
58	1.01	1	1	8.9	9.0	X	—	—	—	—	1732	15.38	18.09		—	—		—	—		12.8	0.90
59	1.01	1	2	13.4	13.6	X	—	—	—	—	1732	22.49	26.78		—	—		—	—		—	—
60	1.02	1	2	3.8	3.9	X	—	3431	4.21	8.16	1715	3.41	5.61	B28	11.9	0.83	B34	16.4	0.87	B40	20.9	0.90
61	1.02	1	2	3.9	4.0	X	X	3431	4.53	8.48	1715	3.62	5.83		8.7	0.80		11.7	0.83		14.7	0.86
62	1.02	1	2	4.0	4.1	X	—	3431	4.84	8.80	1715	3.83	6.05		8.5	0.80		11.5	0.83		14.5	0.86
63	1.02	1	2	4.1	4.2	X	—	3431	5.15	9.11	1715	4.04	6.26		8.4	0.80		11.4	0.83		14.4	0.86
64	1.02	1	10	6.4	6.6	X	X	3431	12.02	17.61	1715	9.80	11.95		—	—		7.7	0.83		10.7	0.85
65	1.02	1	10	6.6	6.8	X	X	3431	12.47	18.23	1715	10.29	12.47		—	—		—	—		10.4	0.85
66	1.02	1	10	6.8	7.0	X	—	—	—	—	1715	10.76	12.99	B28	—	—	B34	—	—	B40	10.1	0.85
67	1.02	1	1	6.9	7.1	X	X	—	—	—	1715	11.00	13.24		—	—		—	—		9.9	0.85
68	1.02	1	2	8.4	8.6	X	X	—	—	—	1715	14.34	16.93		—	—		—	—		—	—
69	1.03	1	6	4.8	5.0	X	—	3398	7.36	11.60	1699	5.83	7.71		7.2	0.80		10.2	0.83		13.2	0.86
70	1.03	1	2	4.9	5.1	X	X	3398	7.73	12.02	1699	6.10	7.92		7.0	0.80		10.0	0.83		13.0	0.86
71	1.03	1	6	5.0	5.2	X	—	3398	8.08	12.44	1699	6.36	8.16	B28	6.9	0.80	B34	9.9	0.83	B40	12.9	0.86
72	1.03	1	6	5.2	5.4	X	—	3398	8.77	13.26	1699	6.88	8.72		6.6	0.80		9.6	0.83		12.6	0.86
73	1.03	1	10	5.4	5.6	X	X	3398	9.43	14.05	1699	7.40	9.27		—	—		9.3	0.83		12.3	0.86
74	1.03	1	10	5.6	5.8	X	X	3398	10.05	14.82	1699	7.91	9.82		—	—		9.0	0.83		12.0	0.86
75	1.03	1	10	5.8	6.0	X	—	3398	10.65	15.56	1699	8.42	10.36		—	—		8.6	0.83		11.6	0.86

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts																		Line No.
Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
B46		B52		B58		B64		B70		B77		B84		B91		B98		
19.2	0.88	22.2	0.90	25.2	0.92	28.2	0.95	31.2	0.97	34.7	0.98	38.2	1.00	41.7	1.01	45.2	1.02	1
18.9	0.88	21.9	0.90	24.9	0.92	27.9	0.95	30.9	0.97	34.4	0.98	37.9	1.00	41.4	1.01	44.9	1.02	2
18.6	0.88	21.6	0.90	24.6	0.92	27.6	0.95	30.6	0.97	34.1	0.98	37.6	1.00	41.1	1.01	44.6	1.02	3
18.2	0.88	21.2	0.90	24.2	0.92	27.2	0.95	30.2	0.97	33.7	0.98	37.2	1.00	40.7	1.01	44.2	1.02	4
17.9	0.88	20.9	0.90	23.9	0.92	26.9	0.95	29.9	0.97	33.4	0.98	36.9	1.00	40.4	1.01	43.9	1.02	5
B46		B52		B58		B64		B70		B77		B84		B91		B98		
17.8	0.88	20.8	0.90	23.8	0.92	26.8	0.95	29.8	0.97	33.3	0.98	36.8	1.00	40.3	1.01	43.8	1.02	6
17.6	0.88	20.6	0.90	23.6	0.92	26.6	0.95	29.6	0.97	33.1	0.98	36.6	1.00	40.1	1.01	43.6	1.02	7
17.5	0.88	20.5	0.90	23.5	0.92	26.5	0.95	29.5	0.97	33.0	0.98	36.5	1.00	40.0	1.01	43.5	1.02	8
17.3	0.88	20.3	0.90	23.3	0.92	26.3	0.95	29.3	0.97	32.8	0.98	36.3	1.00	39.8	1.01	43.3	1.02	9
17.0	0.88	20.0	0.90	23.0	0.92	26.0	0.95	29.0	0.97	32.5	0.98	36.0	1.00	39.5	1.01	43.0	1.02	10
B46		B52		B58		B64		B70		B77		B84		B91		B98		
16.7	0.88	19.7	0.90	22.7	0.92	25.7	0.95	28.7	0.97	32.2	0.98	35.7	1.00	39.2	1.01	42.7	1.02	11
16.4	0.88	19.4	0.90	22.4	0.92	25.4	0.95	28.4	0.97	31.9	0.98	35.4	1.00	38.9	1.01	42.4	1.02	12
16.2	0.88	19.0	0.90	22.2	0.92	25.2	0.95	28.2	0.97	31.7	0.98	35.2	1.00	38.7	1.01	42.2	1.02	13
16.1	0.88	19.1	0.90	22.1	0.92	25.1	0.95	28.1	0.97	31.6	0.98	35.1	1.00	38.6	1.01	42.1	1.02	14
15.9	0.88	18.9	0.90	21.9	0.92	24.9	0.95	27.9	0.97	31.4	0.98	34.9	1.00	38.4	1.01	41.9	1.02	15
B46		B52		B58		B64		B70		B77		B84		B91		B98		
15.7	0.88	18.7	0.90	21.7	0.92	24.7	0.95	27.7	0.97	31.2	0.98	34.7	1.00	38.2	1.01	41.7	1.02	16
15.4	0.88	18.4	0.90	21.4	0.92	24.4	0.95	27.4	0.97	30.9	0.98	34.4	1.00	37.9	1.01	41.4	1.02	17
15.1	0.88	18.1	0.90	21.1	0.92	24.1	0.95	27.1	0.97	30.6	0.98	34.1	1.00	37.6	1.01	41.1	1.02	18
14.8	0.88	17.8	0.90	20.8	0.92	23.8	0.95	26.8	0.97	30.3	0.98	33.8	1.00	37.3	1.01	40.8	1.02	19
14.6	0.88	17.6	0.90	20.6	0.92	23.6	0.95	26.6	0.97	30.1	0.98	33.6	1.00	37.1	1.01	40.6	1.02	20
B46		B52		B58		B64		B70		B77		B84		B91		B98		
14.5	0.88	17.5	0.90	20.5	0.92	23.5	0.95	26.5	0.97	30.0	0.98	33.5	1.00	37.0	1.01	40.5	1.02	21
14.3	0.88	17.3	0.90	20.3	0.92	23.3	0.95	26.3	0.97	29.8	0.98	33.3	1.00	36.8	1.01	40.3	1.02	22
14.2	0.88	17.2	0.90	20.2	0.92	23.2	0.95	26.2	0.97	29.7	0.98	33.2	1.00	36.7	1.01	40.2	1.02	23
13.9	0.88	16.9	0.90	19.9	0.92	22.9	0.95	25.9	0.97	29.4	0.98	32.9	1.00	36.4	1.01	39.9	1.02	24
13.5	0.88	16.5	0.90	19.5	0.92	22.5	0.95	25.5	0.97	29.0	0.98	32.5	1.00	36.0	1.01	39.5	1.02	25
B46		B52		B58		B64		B70		B77		B84		B91		B98		
13.2	0.88	16.2	0.90	19.2	0.92	22.2	0.95	25.2	0.97	28.7	0.98	32.2	1.00	35.7	1.01	39.2	1.02	26
13.1	0.88	16.1	0.90	19.1	0.92	22.1	0.95	25.1	0.97	28.6	0.98	32.1	1.00	35.6	1.01	39.1	1.02	27
12.9	0.88	15.9	0.90	18.9	0.92	21.9	0.95	24.9	0.97	28.4	0.98	31.9	1.00	35.4	1.01	38.9	1.02	28
12.8	0.88	15.8	0.90	18.8	0.92	21.8	0.95	24.8	0.97	28.3	0.98	31.8	1.00	35.3	1.01	38.8	1.02	29
12.3	0.88	15.3	0.90	18.3	0.92	21.3	0.95	24.3	0.97	27.8	0.98	31.3	1.00	34.8	1.01	38.3	1.02	30
B46		B52		B58		B64		B70		B77		B84		B91		B84		
11.5	0.88	14.5	0.90	17.5	0.92	20.5	0.95	23.5	0.97	27.0	0.98	30.5	1.00	34.0	1.01	37.5	1.02	31
11.3	0.88	14.3	0.90	17.3	0.92	20.3	0.95	23.3	0.97	26.8	0.98	30.3	1.00	33.8	1.01	37.3	1.02	32
10.7	0.88	13.7	0.90	16.7	0.92	19.7	0.95	22.7	0.97	26.2	0.98	29.7	1.00	33.2	1.01	36.7	1.02	33
10.4	0.88	13.4	0.90	16.4	0.92	19.4	0.95	22.4	0.97	25.9	0.98	29.4	1.00	32.9	1.01	36.4	1.02	34
—	—	12.9	0.90	15.9	0.92	18.9	0.95	21.9	0.97	25.4	0.98	28.9	1.00	32.4	1.01	35.9	1.02	35
B52		B59		B66		B73		B80		B87		B94		B103		B112		
12.8	0.90	16.3	0.92	19.8	0.96	23.3	0.97	26.8	0.99	30.3	1.00	33.8	1.02	38.3	1.03	42.8	1.05	36
12.1	0.90	15.6	0.92	19.1	0.96	22.6	0.97	26.1	0.99	29.6	1.00	33.1	1.02	37.6	1.03	42.1	1.05	37
11.4	0.90	14.9	0.92	18.4	0.96	21.9	0.97	25.4	0.99	28.9	1.00	32.4	1.02	36.9	1.03	41.4	1.05	38
—	—	14.1	0.92	17.6	0.96	21.1	0.97	24.6	0.99	28.1	1.00	31.6	1.02	36.1	1.03	40.6	1.05	39
—	—	13.3	0.92	16.8	0.96	20.3	0.97	23.8	0.99	27.3	1.00	30.8	1.02	35.3	1.03	39.8	1.05	40
B64		B74		B84		B94		B103		B112		B124		B136		B144		
15.6	0.95	20.6	0.98	25.6	1.00	30.6	1.02	35.1	1.03	39.6	1.05	45.6	1.08	51.6	1.09	55.6	1.10	41
15.0	0.95	20.0	0.98	25.0	1.00	30.0	1.02	34.5	1.03	39.0	1.05	45.0	1.08	51.0	1.09	55.0	1.10	42
—	—	18.4	0.98	23.4	1.00	28.4	1.02	32.9	1.03	37.4	1.05	43.4	1.08	49.4	1.09	53.4	1.10	43
—	—	16.9	0.98	21.9	1.00	26.9	1.02	31.4	1.03	35.9	1.05	41.9	1.08	47.9	1.09	51.9	1.10	44
—	—	16.5	0.98	21.5	1.00	26.5	1.02	31.0	1.03	35.5	1.05	41.5	1.08	47.5	1.09	51.5	1.10	45
B46		B52		B58		B64		B70		B77		B84		B91		B98		
16.3	0.88	19.3	0.90	22.3	0.92	25.3	0.95	28.3	0.97	31.8	0.98	35.3	1.00	38.8	1.01	42.3	1.02	46
16.1	0.88	19.1	0.90	22.1	0.92	25.1	0.95	28.1	0.97	31.6	0.98	35.1	1.00	38.6	1.01	42.1	1.02	47
16.0	0.88	19.0	0.90	22.0	0.92	25.0	0.95	28.0	0.97	31.5	0.98	35.0	1.00	38.5	1.01	42.0	1.02	48
15.8	0.88	18.8	0.90	21.8	0.92	24.8	0.95	27.8	0.97	31.3	0.98	34.8	1.00	38.3	1.01	41.8	1.02	49
14.7	0.88	17.7	0.90	20.7	0.92	23.7	0.95	26.7	0.97	30.2	0.98	33.7	1.00	37.2	1.01	40.7	1.02	50
B46		B52		B58		B64		B70		B77		B84		B91		B98		
14.6	0.88	17.6	0.90	20.6	0.92	23.6	0.95	26.6	0.97	30.1	0.98	33.6	1.00	37.1	1.01	40.6	1.02	51
14.4	0.88	17.4	0.90	20.4	0.92	23.4	0.95	26.4	0.97	29.9	0.98	33.4	1.00	36.9	1.01	40.4	1.02	52
14.2	0.88	17.2	0.90	20.2	0.92	23.2	0.95	26.2	0.97	29.7	0.98	33.2	1.00	36.7	1.01	40.2	1.02	53
13.1	0.88	16.1	0.90	19.1	0.92	22.1	0.95	25.1	0.97	28.6	0.98	32.1	1.00	35.6	1.01	39.1	1.02	54
13.0	0.88	16.0	0.90	19.0	0.92	22.0	0.95	25.0	0.97	28.5	0.98	32.0	1.00	35.5	1.01	39.0	1.02	55
B61		B70		B79		B88		B98		B108		B116		B124		B136		
20.3	0.93	24.8	0.97	29.3	0.99	33.8	1.00	38.8	1.02	43.8	1.04	47.8	1.07	51.8	1.08	57.8	1.09	56
18.9	0.93	23.4	0.97	27.9	0.99	32.4	1.00	37.4	1.02	42.4	1.04	46.4	1.07	50.4	1.08	56.4	1.09	57
17.3	0.93	21.8	0.97	26.3	0.99	30.8	1.00	35.8	1.02	40.8	1.04	44.8	1.07	48.8	1.08	54.8	1.09	58
—	—	14.7	0.96	19.2	0.98	23.7	1.00	28.7	1.02	33.7	1.04	37.7	1.07	41.7	1.08	47.7	1.09	59
25.4	0.93	29.9	0.97	34.4	0.99	38.9	1.00	43.9	1.02	48.9	1.04	52.9	1.07	56.9	1.08	62.9	1.09	60
B46		B52		B58		B64		B70		B77		B84		B91		B98		
17.7	0.88	20.7	0.90	23.7	0.92	26.7	0.95	29.7	0.97	33.2	0.98	36.7	1.00	40.2	1.01	43.7	1.02	61
17.5	0.88	20.5	0.90	23.5	0.92	26.5	0.95	29.5	0.97	33.0	0.98	36.5	1.00	40.0	1.01	43.5	1.02	62
17.4	0.88	20.4	0.90	23.4	0.92	26.4	0.95	29.4	0.97	32.9	0.98	36.4	1.00	39.9	1.01	43.4	1.02	63
13.7	0.88	16.7	0.90	19.7	0.92	22.7	0.95	25.7	0.96	29.2	0.98	32.7	1.00	36.2	1.01	39.7	1.02	64
13.4	0.88	16.4	0.90	19.4	0.92	22.4	0.95	25.4	0.96	28.9	0.98	32.4	1.00	35.9	1.01	39.4	1.02	65
B46		B52		B58		B64		B70		B77		B84		B91		B98		
13.1	0.88	16.1	0.90	19.1	0.92	22.1	0.95	25.1	0.96	28.6	0.98	32.1	1.00	35.6	1.01	39.1	1.02	66
12.9	0.88	15.9	0.90	18.9	0.92	21.9	0.95	24.9	0.96	28.4	0.98	31.9	1.00	35.4	1.01	38.9	1.02	67
10.6	0.88	13.6	0.90	16.6	0.92	19.6	0.95	22.6	0.96	26.1	0.98	29.6	1.00	33.1	1.01	36.6	1.02	68
16.2	0.88	19.2	0.90	22.2	0.92	25.2	0.95	28.2	0.96	31.7	0.98	35.2	1.00	38.7	1.01	42.2	1.02	69
16.0	0.88	19.0	0.90	22.0	0.92	25.0	0.95	28.0	0.96	31.5	0.98	35.0	1.00	38.5	1.01	42.0	1.02	70
B46		B52		B58		B64		B70		B77		B84		B91		B98		
15.9	0.88	18.9	0.90	21.9	0.92	24.9	0.95	27.9	0.96	31.4	0.98	34.9	1.00	38.4	1.01	41.9	1.02	71
15.6	0.88	18.6	0.90	21.6	0.92	24.6	0.95	27.6	0.96	31.1	0.98	34.6	1.00	38.1	1.01	41.6	1.02	72
15.3	0.88	18.3	0.90	21.3	0.92	24.3	0.95	27.3	0.96	30.8	0.98	34.3	1.00	37.8	1.01	41.3	1.02	73
15.0	0.88	18.0	0.90	21.0	0.92	24.0	0.95	27.0	0.96	30.5	0.98	34.0	1.00	37.5	1.01	41.0	1.02	74
14.6	0.88	17.6	0.90	20.6	0.92	23.6	0.95	26.6	0.96	30.1	0.98	33.6	1.00	37.1	1.01	40.6	1.02	75

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Datum Diameter Driver	Datum Diameter Driven	Type Fix.	Type Var.	Nominal Driven Speeds and Horsepower per Belt — 3500 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	1750 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	Center Distance in Inches and "F" Factor for Browning Belts: Belt No.	C.D.	F	Belt No.	C.D.	F	Belt No.	C.D.	F
														B28			B36			B44		
1	1.03	1	2	5.9	6.1	X	X	3398	10.93	15.92	1699	8.67	10.62	—	—		9.5	0.84		13.5	0.87	
2	1.03	1	10	6.0	6.2	X	X	3398	11.20	16.27	1699	8.92	10.89	—	—		9.3	0.84		13.3	0.87	
3	1.03	1	10	6.2	6.4	X	—	3398	11.73	16.95	1699	9.41	11.42	—	—		9.0	0.84		13.0	0.87	
4	1.03	1	1	8.6	8.9	X	—	—	—	—	1699	14.86	17.39	—	—		—	—		—	—	
5	1.03	1	2	11.0	11.4	X	—	—	—	—	1699	19.31	22.56	—	—		—	—		—	—	
														B28			B34			B40		
6	1.04	1	6	3.8	4.0	X	—	3365	4.33	8.16	1682	3.47	5.61	8.8	0.80		11.8	0.83		14.8	0.86	
7	1.04	1	2	3.9	4.1	X	X	3365	4.65	8.48	1682	3.68	5.83	8.6	0.80		11.6	0.83		14.6	0.86	
8	1.04	1	6	4.0	4.2	X	—	3365	4.96	8.80	1682	3.89	6.05	8.5	0.80		11.5	0.83		14.5	0.86	
9	1.04	1	6	4.2	4.4	X	—	3365	5.57	9.42	1682	4.31	6.47	8.1	0.80		11.1	0.83		14.1	0.86	
10	1.04	1	6	4.4	4.6	X	—	3365	6.15	10.06	1682	4.78	6.89	7.8	0.80		10.8	0.83		13.8	0.86	
														B28			B34			B40		
11	1.04	1	6	4.6	4.8	X	—	3365	6.71	10.95	1682	5.32	7.30	7.5	0.80		10.5	0.83		13.5	0.86	
12	1.04	1	2	5.8	6.1	X	—	3365	10.70	15.78	1682	8.45	10.46	—	—		8.6	0.83		11.6	0.85	
13	1.04	1	2	5.9	6.2	X	X	3365	10.99	16.14	1682	8.70	10.73	—	—		8.4	0.83		11.4	0.85	
14	1.04	1	2	6.1	6.4	X	X	3365	11.53	16.83	1682	9.20	11.27	—	—		8.1	0.83		11.1	0.85	
15	1.04	1	1	6.6	6.9	X	X	3365	12.72	18.45	1682	10.41	12.58	—	—		—	—		10.3	0.85	
														B28			B34			B40		
16	1.04	1	1	6.8	7.1	X	—	—	—	—	1682	10.89	13.09	—	—		—	—		10.0	0.85	
17	1.04	1	1	7.1	7.4	X	X	—	—	—	1682	11.59	13.86	—	—		—	—		9.5	0.85	
18	1.04	1	2	8.0	8.4	X	—	—	—	—	1682	13.61	16.08	—	—		—	—		—	—	
19	1.04	1	10	8.6	9.0	X	—	—	—	—	1682	14.89	17.50	—	—		—	—		—	—	
20	1.04	1	10	9.0	9.4	X	—	—	—	—	1682	15.70	18.42	—	—		—	—		—	—	
														B28			B36			B44		
21	1.04	1	1	9.9	10.4	X	—	—	—	—	1682	17.43	20.41	—	—		—	—		—	—	
22	1.04	1	1	10.4	10.9	X	—	—	—	—	1682	18.33	21.46	—	—		—	—		—	—	
23	1.04	1	1	10.9	11.4	X	—	—	—	—	1682	19.17	22.47	—	—		—	—		—	—	
24	1.05	1	2	3.2	3.4	X	—	3333	2.32	6.11	1666	2.18	4.29	9.7	0.80		13.7	0.84		17.7	0.87	
25	1.05	1	6	3.4	3.6	X	—	3333	3.01	6.81	1666	2.62	4.74	9.4	0.80		13.4	0.84		17.4	0.87	
														B28			B34			B40		
26	1.05	1	6	3.6	3.8	X	—	3333	3.68	7.50	1666	3.05	5.18	9.1	0.80		12.1	0.83		15.1	0.86	
27	1.05	1	2	4.8	5.1	X	—	3333	7.42	11.82	1666	5.86	7.71	7.1	0.79		10.1	0.83		13.1	0.85	
28	1.05	1	2	4.9	5.2	X	X	3333	7.79	12.24	1666	6.12	7.99	7.0	0.79		10.0	0.83		13.0	0.85	
29	1.05	1	2	5.1	5.4	X	X	3333	8.49	13.07	1666	6.65	8.55	6.7	0.79		9.7	0.83		12.7	0.85	
30	1.05	1	2	5.6	5.9	X	X	3333	10.11	15.04	1666	7.94	9.92	—	—		8.9	0.83		11.9	0.85	
														B28			B34			B40		
31	1.05	1	10	6.4	6.8	X	X	3333	12.27	17.83	1666	9.93	12.06	—	—		—	—		10.5	0.85	
32	1.05	1	10	6.6	7.0	X	X	3333	12.72	18.45	1666	10.41	12.58	—	—		—	—		10.2	0.85	
33	1.05	1	10	7.0	7.4	X	—	—	—	—	1666	11.36	13.61	—	—		—	—		9.6	0.85	
34	1.05	1	1	8.4	8.9	X	X	—	—	—	1666	14.47	17.04	—	—		—	—		—	—	
35	1.05	1	1	8.9	9.4	X	—	—	—	—	1666	15.50	18.20	—	—		—	—		—	—	
														B34			B44			B54		
36	1.05	1	1	9.4	9.9	X	X	—	—	—	1666	16.49	19.32	—	—		—	—		12.7	0.90	
37	1.05	1	2	10.4	11.0	X	—	—	—	—	1666	18.33	21.46	—	—		—	—		—	—	
38	1.05	1	1	13.6	14.4	X	—	—	—	—	1666	22.84	27.19	—	—		—	—		—	—	
39	1.06	1	2	3.0	3.2	X	X	3301	1.61	5.39	1650	1.74	3.83	13.0	0.83		18.0	0.87		23.0	0.91	
40	1.06	1	2	4.1	4.4	X	—	3301	5.38	9.12	1650	4.16	6.26	11.2	0.83		16.2	0.87		21.2	0.91	
														B28			B34			B40		
41	1.06	1	2	4.6	4.9	X	—	3301	6.81	10.95	1650	5.39	7.30	7.4	0.79		10.4	0.83		13.4	0.85	
42	1.06	1	10	5.6	6.0	X	X	3301	10.25	15.04	1650	8.01	9.92	—	—		8.8	0.82		11.8	0.85	
43	1.06	1	10	5.8	6.2	X	—	3301	10.84	15.78	1650	8.52	10.46	—	—		8.5	0.82		11.5	0.85	
44	1.06	1	10	6.0	6.4	X	X	3301	11.40	16.49	1650	9.02	11.00	—	—		8.2	0.82		11.2	0.85	
45	1.06	1	10	6.2	6.6	X	—	3301	11.92	17.17	1650	9.51	11.53	—	—		7.8	0.82		10.9	0.85	
														B28			B34			B40		
46	1.06	1	1	6.9	7.4	X	X	—	—	—	1650	11.19	13.35	—	—		—	—		9.7	0.85	
47	1.06	1	1	7.4	7.9	X	X	—	—	—	1650	12.35	14.61	—	—		—	—		8.9	0.85	
48	1.06	1	1	7.9	8.4	X	—	—	—	—	1650	13.46	15.84	—	—		—	—		—	—	
49	1.06	1	2	8.4	9.0	X	X	—	—	—	1650	14.54	17.04	—	—		—	—		—	—	
50	1.07	1	2	3.6	3.9	X	—	3271	3.80	7.72	1635	3.11	5.29	9.0	0.79		12.0	0.83		15.0	0.85	
														B28			B34			B40		
51	1.07	1	2	3.8	4.1	X	—	3271	4.45	8.38	1635	3.53	5.73	8.7	0.79		11.7	0.83		14.7	0.85	
52	1.07	1	2	3.9	4.2	X	X	3271	4.76	8.70	1635	3.74	5.94	8.5	0.79		11.5	0.83		14.5	0.85	
53	1.07	1	6	4.8	5.2	X	—	3271	7.56	11.82	1635	5.93	7.83	7.0	0.79		10.0	0.83		13.0	0.85	
54	1.07	1	6	5.0	5.4	X	—	3271	8.28	12.66	1635	6.46	8.27	6.7	0.79		9.7	0.83		12.7	0.85	
55	1.07	1	6	5.2	5.6	X	—	3271	8.97	13.48	1635	6.98	8.83	—	—		9.4	0.83		12.4	0.85	
														B28			B34			B40		
56	1.07	1	10	5.4	5.8	X	X	3271	9.62	14.27	1635	7.50	9.38	—	—		9.1	0.82		12.1	0.85	
57	1.07	1	2	6.1	6.6	X	X	3271	11.66	16.83	1635	9.26	11.27	—	—		7.9	0.82		10.9	0.85	
58	1.07	1	1	6.4	6.9	X	X	3271	12.41	17.83	1635	10.00	12.06	—	—		—	—		10.5	0.85	
59	1.07	1	1	6.6	7.1	X	X	3271	12.86	18.45	1635	10.48	12.58	—	—		—	—		10.1	0.85	
60	1.07	1	10	7.4	8.0	X	X	—	—	—	1635	12.35	14.61	—	—		—	—		—	—	
														B34			B44			B54		
61	1.07	1	10	8.0	8.6	X	—	—	—	—	1635	13.68	16.08	—	—		9.9	0.86		14.9	0.90	
62	1.07	1	2	12.4	13.4	X	—	—	—	—	1635	21.47	25.25	—	—		—	—		—	—	
63	1.07	1	1	13.4	14.4	X	—	—	—	—	1635	22.69	26.89	—	—		—	—		—	—	
64	1.08	1	6	4.2	4.6	X	—	3240	5.77	9.64	1620	4.41	6.58	11.0	0.83		16.0	0.87		21.0	0.90	
65	1.08	1	6	4.4	4.8	X	—	3240	6.35	10.30	1620	4.95	7.00	10.7	0.83		15.7	0.87		20.7	0.90	
														B28			B34			B40		
66	1.08	1	6	4.6	5.0	X	—	3240	7.00	11.19	1620	5.49	7.42	7.4	0.79		10.4	0.83		13.4	0.85	
67	1.08	1	2	5.4	5.9	X	X	3240	9.82	14.51	1620	7.59	9.50	—	—		9.0	0.82		12.0	0.85	
68	1.08	1	2	5.6	6.1	X	X	3240	10.44	15.28	1620	8.11	10.05	—	—		8.7	0.82		11.7	0.85	
69	1.08	1	2	5.9	6.4	X	X	3240	11.32	16.38	1620	8.86	10.85	—	—		8.2	0.82		11.2	0.85	
70	1.08	1	10	6.4	7.0	X	X	3240	12.60	18.07	1620	10.09	12.18	—	—		—	—		10.4	0.85	
														B32			B40			B48		
71	1.08	1	10	6.8	7.4	X	—	—	—	—	1620	11.05	13.22	—	—		9.7	0.85		13.7	0.88	
72	1.08	1	1	7.9	8.6	X	—	—	—	—	1620	13.56	15.96	—	—		—	—		11.9	0.88	
73	1.08	1	10	8.6	9.4	X	—	—	—	—	1620	15.05	17.63	—	—		—	—		10.8	0.88	
74	1.08	1	2	11.4	12.4	X	—	—	—	—	1620	20.13	23.56	—	—		—	—		—	—	
75	1.09	1	6	3.8	4.2	X	—	3211	4.55	8.38	1605	3.58	5.73	10.6	0.82		14.6	0.85		18.6	0.88	

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts

Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
B52		**B59**		**B66**		**B73**		**B80**		**B87**		**B94**		**B103**		**B112**		
17.5	0.90	21.0	0.92	24.5	0.95	28.0	0.97	31.5	0.99	35.0	1.00	38.5	1.01	43.0	1.03	47.5	1.04	1
17.3	0.90	20.8	0.92	24.3	0.95	27.8	0.97	31.3	0.99	34.8	1.00	38.3	1.01	42.8	1.03	47.3	1.04	2
17.0	0.90	20.5	0.92	24.0	0.95	27.5	0.97	31.0	0.99	34.5	1.00	38.0	1.01	42.5	1.03	47.0	1.04	3
13.2	0.90	16.7	0.92	20.2	0.95	23.7	0.97	27.2	0.99	30.7	1.00	34.2	1.01	38.7	1.03	43.2	1.04	4
—	—	12.8	0.92	16.3	0.95	19.8	0.97	23.3	0.99	26.8	1.00	30.3	1.01	34.8	1.03	39.3	1.04	5
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
17.8	0.88	20.8	0.90	23.8	0.92	26.8	0.95	29.8	0.96	33.3	0.98	36.8	1.00	40.3	1.01	43.8	1.02	6
17.6	0.88	20.6	0.90	23.6	0.92	26.6	0.95	29.6	0.96	33.1	0.98	36.6	1.00	40.1	1.01	43.6	1.02	7
17.5	0.88	20.5	0.90	23.5	0.92	26.5	0.95	29.5	0.96	33.0	0.98	36.5	1.00	40.0	1.01	43.5	1.02	8
17.1	0.88	20.1	0.90	23.1	0.92	26.1	0.95	29.1	0.96	32.6	0.98	36.1	1.00	39.6	1.01	43.1	1.02	9
16.8	0.88	19.8	0.90	22.8	0.92	25.8	0.95	28.8	0.96	32.3	0.98	35.8	1.00	39.3	1.01	42.8	1.02	10
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
16.5	0.88	19.5	0.90	22.5	0.92	25.5	0.95	28.5	0.96	32.0	0.98	35.5	1.00	39.0	1.01	42.5	1.02	11
14.6	0.88	17.6	0.90	20.6	0.92	23.6	0.95	26.6	0.96	30.1	0.98	33.6	1.00	37.1	1.01	40.6	1.02	12
14.4	0.88	17.4	0.90	20.4	0.92	23.4	0.95	26.4	0.96	29.9	0.98	33.4	1.00	36.9	1.01	40.4	1.02	13
14.1	0.88	17.1	0.90	20.1	0.92	23.1	0.95	26.1	0.96	29.6	0.98	33.1	1.00	36.6	1.01	40.1	1.02	14
13.3	0.88	16.3	0.90	19.3	0.92	22.3	0.95	25.3	0.96	28.8	0.98	32.3	0.99	35.8	1.01	39.3	1.02	15
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
13.0	0.88	16.0	0.90	19.0	0.92	22.0	0.95	25.0	0.96	28.5	0.98	32.0	0.99	35.5	1.01	39.0	1.02	16
12.5	0.88	15.5	0.90	18.5	0.92	21.5	0.95	24.5	0.96	28.0	0.98	31.5	0.99	35.0	1.01	38.5	1.02	17
11.0	0.88	14.0	0.90	17.0	0.92	20.0	0.95	23.0	0.96	26.5	0.98	30.0	0.99	33.5	1.01	37.0	1.02	18
10.1	0.87	13.1	0.90	16.1	0.92	19.1	0.95	22.1	0.96	25.6	0.98	29.1	0.99	32.6	1.01	36.1	1.02	19
—	—	12.5	0.90	15.5	0.92	18.5	0.95	21.5	0.96	25.0	0.98	28.5	0.99	32.0	1.01	35.5	1.02	20
B52		**B59**		**B66**		**B73**		**B80**		**B87**		**B94**		**B103**		**B112**		
—	—	14.5	0.92	18.0	0.95	21.5	0.97	25.0	0.99	28.5	1.00	32.0	1.01	36.5	1.03	41.0	1.04	21
—	—	13.7	0.92	17.2	0.95	20.7	0.97	24.2	0.98	27.7	1.00	31.2	1.01	35.7	1.03	40.2	1.04	22
—	—	12.9	0.92	16.4	0.95	19.9	0.97	23.4	0.98	26.9	1.00	30.4	1.01	34.9	1.03	39.4	1.04	23
21.7	0.90	25.2	0.92	28.7	0.95	32.2	0.97	35.7	0.99	39.2	1.00	42.7	1.01	47.2	1.03	51.7	1.04	24
21.4	0.90	24.9	0.92	28.4	0.95	31.9	0.97	35.4	0.99	38.9	1.00	42.4	1.01	46.9	1.03	51.4	1.04	25
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
18.1	0.88	21.1	0.90	24.1	0.92	27.1	0.95	30.1	0.96	33.6	0.98	37.1	1.00	40.6	1.01	44.1	1.02	26
16.1	0.88	19.1	0.90	22.1	0.92	25.1	0.95	28.1	0.96	31.6	0.98	35.1	1.00	38.6	1.01	42.1	1.02	27
16.0	0.88	19.0	0.90	22.0	0.92	25.0	0.95	28.0	0.96	31.5	0.98	35.0	1.00	38.5	1.01	42.0	1.02	28
15.7	0.88	18.7	0.90	21.7	0.92	24.7	0.95	27.7	0.96	31.2	0.98	34.7	1.00	38.2	1.01	41.7	1.02	29
14.9	0.88	17.9	0.90	20.9	0.92	23.9	0.95	26.9	0.96	30.4	0.98	33.9	1.00	37.4	1.01	40.9	1.02	30
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
13.5	0.88	16.5	0.90	19.5	0.92	22.5	0.95	25.5	0.96	29.0	0.98	32.5	0.99	36.0	1.01	39.5	1.02	31
13.2	0.88	16.2	0.90	19.2	0.92	22.2	0.95	25.2	0.96	28.7	0.98	32.2	0.99	35.7	1.01	39.2	1.02	32
12.6	0.88	15.6	0.90	18.6	0.92	21.6	0.95	24.6	0.96	28.1	0.98	31.6	0.99	35.1	1.01	38.6	1.02	33
10.3	0.87	13.3	0.90	16.3	0.91	19.3	0.95	22.3	0.96	25.8	0.98	29.3	0.99	32.8	1.01	36.3	1.02	34
—	—	12.5	0.90	15.5	0.91	18.5	0.95	21.5	0.96	25.0	0.98	28.5	0.99	32.0	1.01	35.5	1.02	35
B64		**B74**		**B84**		**B94**		**B103**		**B112**		**B124**		**B136**		**B144**		
17.7	0.95	22.7	0.97	27.7	0.99	32.7	1.01	37.2	1.03	41.7	1.04	47.7	1.08	53.7	1.09	57.7	1.10	36
16.1	0.94	21.1	0.97	26.1	0.99	31.1	1.01	35.6	1.03	40.1	1.04	46.1	1.08	52.1	1.09	56.1	1.10	37
—	—	15.9	0.97	20.9	0.99	25.9	1.01	30.4	1.03	34.9	1.04	40.9	1.07	46.9	1.09	50.9	1.10	38
28.0	0.95	33.0	0.97	38.0	1.00	43.0	1.01	47.5	1.03	52.0	1.04	58.0	1.08	64.0	1.09	68.0	1.10	39
26.2	0.95	31.2	0.97	36.2	1.00	41.2	1.01	45.7	1.03	50.2	1.04	56.2	1.08	62.2	1.09	66.2	1.10	40
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
16.4	0.88	19.4	0.90	22.4	0.92	25.4	0.95	28.4	0.96	31.9	0.98	35.4	1.00	38.9	1.01	42.4	1.02	41
14.8	0.88	17.8	0.90	20.8	0.92	23.8	0.95	26.8	0.96	30.3	0.98	33.8	0.99	37.3	1.01	40.8	1.02	42
14.5	0.88	17.5	0.90	20.5	0.92	23.5	0.95	26.5	0.96	30.0	0.98	33.5	0.99	37.0	1.01	40.5	1.02	43
14.2	0.88	17.2	0.90	20.2	0.92	23.2	0.95	26.2	0.96	29.7	0.98	33.2	0.99	36.7	1.01	40.2	1.02	44
13.9	0.88	16.9	0.90	19.9	0.92	22.9	0.95	25.9	0.96	29.4	0.98	32.9	0.99	36.4	1.01	39.9	1.02	45
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
12.7	0.87	15.7	0.90	18.7	0.92	21.7	0.95	24.7	0.96	28.2	0.98	31.7	0.99	35.2	1.01	38.7	1.02	46
11.9	0.87	14.9	0.90	17.9	0.92	20.9	0.95	23.9	0.96	27.4	0.98	30.9	0.99	34.4	1.01	37.9	1.02	47
11.1	0.87	14.1	0.90	17.1	0.91	20.1	0.95	23.1	0.96	26.6	0.98	30.1	0.99	33.6	1.01	37.1	1.02	48
10.2	0.87	13.2	0.89	16.2	0.91	19.2	0.95	22.2	0.96	25.7	0.98	29.2	0.99	32.7	1.01	36.2	1.02	49
18.0	0.88	21.0	0.90	24.0	0.92	27.0	0.95	30.0	0.96	33.5	0.98	37.0	1.00	40.5	1.01	44.0	1.02	50
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
17.7	0.88	20.7	0.90	23.7	0.92	26.7	0.95	29.7	0.96	33.2	0.98	36.7	1.00	40.2	1.01	43.7	1.02	51
17.5	0.88	20.5	0.90	23.5	0.92	26.5	0.95	29.5	0.96	33.0	0.98	36.5	1.00	40.0	1.01	43.5	1.02	52
16.0	0.88	19.0	0.90	22.0	0.92	25.0	0.95	28.0	0.96	31.5	0.98	35.0	0.99	38.5	1.01	42.0	1.02	53
15.7	0.88	18.7	0.90	21.7	0.92	24.7	0.95	27.7	0.96	31.2	0.98	34.7	0.99	38.2	1.01	41.7	1.02	54
15.4	0.88	18.4	0.90	21.4	0.92	24.4	0.95	27.4	0.96	30.9	0.98	34.4	0.99	37.9	1.01	41.4	1.02	55
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
15.1	0.88	18.1	0.90	21.1	0.92	24.1	0.95	27.1	0.96	30.6	0.98	34.1	0.99	37.6	1.01	41.1	1.02	56
13.9	0.88	16.9	0.90	19.9	0.92	22.9	0.95	25.9	0.96	29.4	0.98	32.9	0.99	36.4	1.01	39.9	1.02	57
13.5	0.88	16.5	0.90	19.5	0.92	22.5	0.95	25.5	0.96	29.0	0.98	32.5	0.99	36.0	1.01	39.5	1.02	58
13.1	0.88	16.1	0.90	19.1	0.92	22.1	0.95	25.1	0.96	28.6	0.98	32.1	0.99	35.6	1.01	39.1	1.02	59
11.8	0.87	14.8	0.90	17.8	0.91	20.8	0.95	23.8	0.96	27.3	0.98	30.8	0.99	34.3	1.01	37.8	1.02	60
B64		**B74**		**B84**		**B94**		**B103**		**B112**		**B124**		**B136**		**B144**		
19.9	0.95	24.9	0.97	29.9	0.99	34.9	1.01	39.4	1.03	43.9	1.04	49.9	1.08	55.9	1.09	59.9	1.10	61
—	—	17.6	0.97	22.6	0.99	27.6	1.01	32.1	1.03	36.6	1.04	42.6	1.07	48.6	1.09	52.6	1.10	62
—	—	16.1	0.97	21.1	0.99	26.1	1.01	30.6	1.03	35.1	1.04	41.1	1.07	47.1	1.09	51.1	1.10	63
26.0	0.95	31.0	0.97	36.0	0.99	41.0	1.01	45.5	1.03	50.0	1.04	56.0	1.08	62.0	1.09	66.0	1.10	64
25.7	0.95	30.7	0.97	35.7	0.99	40.7	1.01	45.2	1.03	49.7	1.04	55.7	1.08	61.7	1.09	65.7	1.10	65
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
16.4	0.88	19.4	0.90	22.4	0.92	25.4	0.95	28.4	0.96	31.9	0.98	35.4	0.99	38.9	1.01	42.4	1.02	66
15.0	0.88	18.0	0.90	21.0	0.92	24.0	0.95	27.0	0.96	30.5	0.98	34.0	0.99	37.5	1.01	41.0	1.02	67
14.7	0.88	17.7	0.90	20.7	0.92	23.7	0.95	26.7	0.96	30.2	0.98	33.7	0.99	37.2	1.01	40.7	1.02	68
14.2	0.88	17.2	0.90	20.2	0.92	23.2	0.95	26.2	0.96	29.7	0.98	33.2	0.99	36.7	1.01	40.2	1.02	69
13.4	0.87	16.4	0.90	19.4	0.91	22.4	0.95	25.4	0.96	28.9	0.98	32.4	0.99	35.9	1.01	39.4	1.02	70
B56		**B64**		**B72**		**B80**		**B88**		**B96**		**B103**		**B112**		**B120**		
17.8	0.91	21.8	0.95	25.8	0.97	29.8	0.98	33.8	1.00	37.8	1.02	41.3	1.03	45.8	1.04	49.8	1.07	71
15.9	0.91	19.9	0.95	23.9	0.97	27.9	0.98	31.9	1.00	35.9	1.02	39.4	1.03	43.9	1.04	47.9	1.07	72
14.8	0.91	18.8	0.94	22.8	0.96	26.8	0.98	30.8	1.00	34.8	1.02	38.3	1.03	42.8	1.04	46.8	1.07	73
—	—	14.2	0.94	18.2	0.96	22.2	0.98	26.2	1.00	30.2	1.01	33.7	1.03	38.2	1.04	42.2	1.07	74
22.6	0.91	26.6	0.95	30.6	0.97	34.6	0.99	38.6	1.00	42.6	1.02	46.1	1.03	50.6	1.04	54.6	1.07	75

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Datum Diameter Driver	Datum Diameter Driven	Type Fix.	Type Var.	Nominal Driven Speeds and Horsepower per Belt — 3500 RPM Driver: Nominal Driven Speed	HP per Belt Super	HP per Belt Gripnotch	1750 RPM Driver: Nominal Driven Speed	HP per Belt Super	HP per Belt Gripnotch	Center Distance in Inches and "F" Factor for Browning Belts — Belt No.	C.D.	F	Belt No.	C.D.	F	Belt No.	C.D.	F
														B28			B34			B40		
1	1.09	1	6	4.0	4.4	X	—	3211	5.17	9.02	1605	4.00	6.16	8.3		0.79	11.3		0.83	14.3		0.85
2	1.09	1	2	4.9	5.4	X	X	3211	8.12	12.49	1605	6.29	8.12	6.8		0.79	9.8		0.82	12.8		0.85
3	1.09	1	2	5.1	5.6	X	X	3211	8.82	13.32	1605	6.82	8.67	6.5		0.79	9.5		0.82	12.5		0.85
4	1.09	1	10	5.8	6.4	X	—	3211	11.03	16.02	1605	8.61	10.59	—		—	8.3		0.82	11.3		0.85
5	1.09	1	10	6.0	6.6	X	X	3211	11.59	16.73	1605	9.11	11.12	—		—	8.0		0.82	11.0		0.85
														B34			B43			B52		
6	1.09	1	10	6.2	6.8	X	—	3211	12.11	17.41	1605	9.61	11.65	7.7		0.82	12.2		0.86	16.7		0.90
7	1.09	1	1	9.0	9.9	X	—	—	—	—	1605	15.87	18.55	—		—	—		—	12.1		0.89
8	1.09	1	1	9.9	10.9	X	—	—	—	—	1605	17.60	20.53	—		—	—		—	—		—
9	1.09	1	2	10.4	11.4	X	—	—	—	—	1605	18.49	21.58	—		—	—		—	—		—
10	1.09	1	10	12.4	13.6	X	—	—	—	—	1605	21.57	25.37	—		—	—		—	—		—
														B28			B34			B40		
11	1.10	1	6	3.4	3.8	X	—	3181	3.24	7.04	1590	2.73	4.85	9.2		0.79	12.2		0.83	15.2		0.85
12	1.10	1	6	3.6	4.0	X	—	3181	3.91	7.72	1590	3.16	5.29	8.9		0.79	11.9		0.83	14.9		0.85
13	1.10	1	2	4.4	4.9	X	—	3181	6.43	10.30	1590	4.95	7.00	7.6		0.79	10.6		0.82	13.6		0.85
14	1.10	1	2	4.6	5.1	X	—	3181	7.00	11.19	1590	5.49	7.42	7.3		0.79	10.3		0.82	13.3		0.85
15	1.10	1	6	5.2	5.8	X	—	3181	9.16	13.72	1590	7.08	8.95	—		—	9.3		0.82	12.3		0.85
														B28			B34			B40		
16	1.10	1	10	5.4	6.0	X	X	3181	9.82	14.51	1590	7.59	9.50	—		—	8.9		0.82	11.9		0.85
17	1.10	1	10	5.6	6.2	X	X	3181	10.44	15.28	1590	8.11	10.05	—		—	8.6		0.82	11.6		0.85
18	1.10	1	2	6.1	6.8	X	X	3181	11.86	17.08	1590	9.36	11.39	—		—	7.8		0.82	10.8		0.85
19	1.10	1	1	6.2	6.9	X	—	3181	12.11	17.41	1590	9.61	11.65	—		—	—		—	10.6		0.85
20	1.10	1	1	6.4	7.1	X	X	3181	12.60	18.07	1590	10.09	12.18	—		—	—		—	10.3		0.85
														B28			B35			B42		
21	1.10	1	1	7.1	7.9	X	X	—	—	—	1590	11.76	13.98	—		—	—		—	10.1		0.85
22	1.10	1	1	8.0	8.9	X	—	—	—	—	1590	13.78	16.20	—		—	—		—	—		—
23	1.10	1	1	8.9	9.9	X	—	—	—	—	1590	15.67	18.32	—		—	—		—	—		—
24	1.10	1	2	9.4	10.4	X	X	—	—	—	1590	16.65	19.44	—		—	—		—	—		—
25	1.10	1	1	9.9	11.0	X	—	—	—	—	1590	17.60	20.53	—		—	—		—	—		—
														B34			B44			B54		
26	1.10	3	2	13.6	15.0	X	—	—	—	—	1590	23.00	27.31	—		—	—		—	—		—
27	1.11	1	2	3.2	3.6	X	—	3153	2.56	6.34	1576	2.30	4.40	12.6		0.83	17.6		0.87	22.6		0.90
28	1.11	1	2	3.9	4.4	X	X	3153	4.95	8.70	1576	3.84	5.94	11.4		0.82	16.4		0.87	21.4		0.90
29	1.11	1	2	4.1	4.6	X	—	3153	5.56	9.33	1576	4.25	6.37	11.1		0.82	16.1		0.87	21.1		0.90
30	1.11	1	6	4.8	5.4	X	—	3153	7.75	12.06	1576	6.02	7.84	9.9		0.82	14.9		0.87	19.9		0.90
														B34			B44			B54		
31	1.11	1	6	5.0	5.6	X	—	3153	8.47	12.90	1576	6.55	8.40	9.6		0.82	14.6		0.87	19.6		0.90
32	1.11	1	2	5.9	6.6	X	X	3153	11.32	16.38	1576	8.86	10.85	8.1		0.82	13.1		0.87	18.1		0.90
33	1.11	1	10	6.6	7.4	X	X	3153	13.05	18.69	1576	10.58	12.70	—		—	11.9		0.86	16.9		0.90
34	1.11	1	2	8.4	9.4	X	X	—	—	—	1576	14.64	17.16	—		—	—		—	13.9		0.90
35	1.11	3	2	13.4	15.0	X	—	—	—	—	1576	22.78	27.01	—		—	—		—	—		—
														B28			B34			B40		
36	1.12	1	2	3.0	3.4	X	X	3125	1.86	5.61	1562	1.87	3.94	9.9		0.79	12.9		0.83	15.9		0.85
37	1.12	1	2	3.6	4.1	X	—	3125	4.00	7.72	1562	3.20	5.29	8.9		0.79	11.9		0.83	14.9		0.85
38	1.12	1	6	4.4	5.0	X	—	3125	6.51	10.50	1562	5.05	7.00	7.5		0.79	10.5		0.82	13.5		0.85
39	1.12	1	6	4.6	5.2	X	—	3125	7.20	11.39	1562	5.59	7.42	7.2		0.79	10.2		0.82	13.2		0.85
40	1.12	1	2	5.1	5.8	X	X	3125	9.02	13.51	1562	6.91	8.77	—		—	9.3		0.82	21.3		0.85
														B28			B34			B40		
41	1.12	1	2	5.2	5.9	X	—	3125	9.36	13.92	1562	7.17	9.05	—		—	9.2		0.82	12.2		0.85
42	1.12	1	2	5.4	6.1	X	X	3125	10.01	14.71	1562	7.69	9.60	—		—	8.9		0.82	11.9		0.85
43	1.12	1	10	6.0	6.8	X	X	3125	11.79	16.93	1562	9.21	11.22	—		—	7.8		0.82	10.8		0.85
44	1.12	1	1	6.1	6.9	X	X	3125	12.05	17.27	1562	9.46	11.49	—		—	7.7		0.82	10.7		0.85
45	1.12	1	10	6.2	7.0	X	—	3125	12.31	17.61	1562	9.70	11.75	—		—	—		—	10.5		0.85
														B28			B34			B40		
46	1.12	1	1	7.0	7.9	X	—	—	—	—	1562	11.62	13.82	—		—	—		—	9.2		0.84
47	1.12	1	1	7.1	8.0	X	X	—	—	—	1562	11.85	14.08	—		—	—		—	9.0		0.84
48	1.12	1	2	7.4	8.4	X	X	—	—	—	1562	12.54	14.83	—		—	—		—	—		—
49	1.12	1	1	7.9	8.9	X	—	—	—	—	1562	13.66	16.06	—		—	—		—	—		—
50	1.12	1	10	8.0	9.0	X	—	—	—	—	1562	13.88	16.30	—		—	—		—	—		—
														B36			B46			B56		
51	1.12	1	10	11.0	12.4	X	—	—	—	—	1562	19.60	22.89	—		—	—		—	—		—
52	1.12	1	10	13.6	15.4	X	—	—	—	—	1562	23.10	27.41	—		—	—		—	—		—
53	1.13	1	2	3.4	3.9	X	—	3097	3.34	7.26	1548	2.78	4.96	13.2		0.84	18.2		0.88	23.2		0.91
54	1.13	1	6	4.0	4.6	X	—	3097	5.34	9.25	1548	4.08	6.27	12.1		0.83	17.1		0.88	22.1		0.91
55	1.13	1	6	4.2	4.8	X	—	3097	5.94	9.87	1548	4.50	6.69	11.8		0.83	16.8		0.88	21.8		0.91
														B28			B34			B40		
56	1.13	1	2	4.9	5.6	X	X	3097	8.31	12.68	1548	6.39	8.21	6.6		0.79	9.7		0.82	12.7		0.85
57	1.13	1	10	5.6	6.4	X	X	3097	10.64	15.48	1548	8.20	10.14	—		—	8.5		0.82	11.5		0.85
58	1.13	1	10	5.8	6.6	X	—	3097	11.23	16.22	1548	8.71	10.68	—		—	8.2		0.82	11.2		0.85
59	1.13	1	1	6.2	7.1	X	—	3097	12.31	17.61	1548	9.70	11.75	—		—	—		—	10.4		0.85
60	1.13	1	1	6.9	7.9	X	X	—	—	—	1548	11.39	13.57	—		—	—		—	9.3		0.84
														B32			B40			B48		
61	1.13	1	10	7.0	8.0	X	—	—	—	—	1548	11.62	13.82	—		—	9.1		0.84	13.1		0.88
62	1.13	1	1	7.9	9.0	X	—	—	—	—	1548	13.66	16.06	—		—	—		—	11.6		0.87
63	1.13	1	1	10.9	12.4	X	—	—	—	—	1548	19.44	22.69	—		—	—		—	—		—
64	1.14	1	6	3.8	4.4	X	—	3070	4.72	8.61	1535	3.67	5.84	10.5		0.81	14.5		0.85	18.5		0.88
65	1.14	1	2	4.4	5.1	X	—	3070	6.58	10.50	1535	5.05	7.11	9.4		0.81	13.4		0.85	17.4		0.88
														B28			B34			B40		
66	1.14	1	2	5.1	5.9	X	X	3070	9.02	13.51	1535	6.91	8.77	—		—	9.3		0.82	12.3		0.85
67	1.14	1	6	5.2	6.0	X	—	3070	9.36	13.92	1535	7.17	9.05	—		—	9.1		0.82	12.1		0.85
68	1.14	1	10	5.4	6.2	X	X	3070	10.01	14.71	1535	7.69	9.60	—		—	8.8		0.82	11.8		0.85
69	1.14	1	2	5.9	6.8	X	X	3070	11.51	16.57	1535	8.96	10.95	—		—	7.9		0.82	10.9		0.85
70	1.14	1	1	6.0	6.9	X	X	3070	11.79	16.93	1535	9.21	11.22	—		—	7.8		0.81	10.8		0.85
														B36			B46			B56		
71	1.14	1	2	6.1	7.0	X	X	3070	12.05	17.27	1535	9.46	11.49	8.6		0.83	13.6		0.87	18.6		0.91
72	1.14	1	10	6.4	7.4	X	X	3070	12.79	18.26	1535	10.19	12.28	8.1		0.82	13.1		0.87	18.1		0.91
73	1.14	1	1	8.6	9.9	X	—	—	—	—	1535	15.15	17.72	—		—	—		—	14.4		0.90
74	1.14	1	1	9.9	11.4	X	—	—	—	—	1535	17.69	20.63	—		—	—		—	12.2		0.89
75	1.14	1	2	13.4	15.4	X	—	—	—	—	1535	22.88	27.11	—		—	—		—	—		—

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts																		Line No.
Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
B46		B52		B58		B64		B70		B77		B84		B91		B98		
17.3	0.88	20.3	0.90	23.3	0.92	26.3	0.95	29.3	0.96	32.8	0.98	36.3	0.99	39.8	1.01	43.3	1.02	1
15.8	0.88	18.8	0.90	21.8	0.92	24.8	0.95	27.8	0.96	31.3	0.98	34.8	0.99	38.3	1.01	41.8	1.02	2
15.5	0.88	18.5	0.90	21.5	0.92	24.5	0.95	27.5	0.96	31.0	0.98	34.5	0.99	38.0	1.01	41.5	1.02	3
14.3	0.87	17.3	0.90	20.3	0.91	23.3	0.95	26.3	0.96	29.8	0.98	33.3	0.99	36.8	1.01	40.3	1.02	4
14.0	0.87	17.0	0.90	20.0	0.91	23.0	0.95	26.0	0.96	29.5	0.98	33.0	0.99	36.5	1.01	40.0	1.02	5
B61		B70		B79		B88		B98		B108		B116		B124		B136		
21.2	0.92	25.7	0.96	30.2	0.98	34.7	1.00	39.7	1.02	44.7	1.04	48.7	1.06	52.7	1.08	58.7	1.09	6
16.6	0.92	21.1	0.96	25.6	0.98	30.1	1.00	35.1	1.02	40.1	1.04	44.1	1.06	48.1	1.07	54.1	1.09	7
15.1	0.92	19.6	0.96	24.1	0.98	28.6	1.00	33.6	1.02	38.6	1.03	42.6	1.06	46.6	1.07	52.6	1.09	8
14.3	0.92	18.8	0.96	23.3	0.98	27.8	1.00	32.8	1.02	37.8	1.03	41.8	1.06	45.8	1.07	51.8	1.09	9
—	—	15.5	0.95	20.0	0.98	24.5	1.00	29.5	1.02	34.5	1.03	38.5	1.06	42.5	1.07	48.5	1.09	10
B46		B52		B58		B64		B70		B77		B84		B91		B98		
18.2	0.88	21.2	0.90	24.2	0.92	27.2	0.95	30.2	0.96	33.7	0.98	37.2	0.99	40.7	1.01	44.2	1.02	11
17.9	0.88	20.9	0.90	23.9	0.92	26.9	0.95	29.9	0.96	33.4	0.98	36.9	0.99	40.4	1.01	43.9	1.02	12
16.6	0.88	19.6	0.90	22.6	0.92	25.6	0.95	28.6	0.96	32.1	0.98	35.6	0.99	39.1	1.01	42.6	1.02	13
16.3	0.88	19.3	0.90	22.3	0.92	25.3	0.95	28.3	0.96	31.8	0.98	35.3	0.99	38.8	1.01	42.3	1.02	14
15.3	0.87	18.3	0.90	21.3	0.91	24.3	0.95	27.3	0.96	30.8	0.98	34.3	0.99	37.8	1.01	41.3	1.02	15
B46		B52		B58		B64		B70		B77		B84		B91		B98		
14.9	0.87	17.9	0.90	20.9	0.91	23.9	0.95	26.9	0.96	30.4	0.98	33.9	0.99	37.4	1.01	40.9	1.02	16
14.6	0.87	17.6	0.90	20.6	0.91	23.6	0.95	26.6	0.96	30.1	0.98	33.6	0.99	37.1	1.01	40.6	1.02	17
13.8	0.87	16.8	0.89	19.8	0.91	22.8	0.95	25.8	0.96	29.3	0.98	32.8	0.99	36.3	1.01	39.8	1.02	18
13.6	0.87	16.6	0.89	19.6	0.91	22.6	0.95	25.6	0.96	29.1	0.98	32.6	0.99	36.1	1.01	39.6	1.02	19
13.3	0.87	16.3	0.89	19.3	0.91	22.3	0.95	25.3	0.96	28.8	0.98	32.3	0.99	35.8	1.01	39.3	1.02	20
B49		B56		B63		B70		B77		B84		B91		B98		B105		
13.6	0.88	17.1	0.91	20.6	0.94	24.1	0.96	27.6	0.98	31.1	0.99	34.6	1.01	38.1	1.02	41.6	1.03	21
12.1	0.88	15.6	0.90	19.1	0.94	22.6	0.96	26.1	0.98	29.6	0.99	33.1	1.01	36.6	1.02	40.1	1.03	22
10.6	0.88	14.1	0.90	17.6	0.94	21.1	0.96	24.6	0.98	28.1	0.99	31.6	1.00	35.1	1.02	38.6	1.03	23
—	—	13.3	0.90	16.8	0.94	20.4	0.96	23.9	0.98	27.4	0.99	30.9	1.00	34.4	1.02	37.9	1.03	24
—	—	12.5	0.90	16.0	0.94	19.5	0.96	23.0	0.97	26.5	0.99	30.0	1.00	33.5	1.02	37.0	1.03	25
B64		B74		B84		B94		B103		B112		B124		B136		B144		
—	—	15.4	0.96	20.4	0.99	25.4	1.01	29.9	1.02	34.4	1.04	40.4	1.07	46.4	1.09	50.4	1.10	26
27.6	0.95	32.6	0.97	37.6	0.99	42.6	1.01	47.1	1.03	51.6	1.04	57.6	1.08	63.6	1.09	67.6	1.10	27
26.4	0.95	31.4	0.97	36.4	0.99	41.4	1.01	45.9	1.03	50.4	1.04	56.4	1.08	62.4	1.09	66.4	1.10	28
26.1	0.95	31.1	0.97	36.1	0.99	41.1	1.01	45.6	1.03	50.1	1.04	56.1	1.08	62.1	1.09	66.1	1.10	29
24.9	0.95	29.9	0.97	34.9	0.99	39.9	1.01	44.4	1.03	48.9	1.04	54.9	1.08	60.9	1.09	64.9	1.10	30
B64		B74		B84		B94		B103		B112		B124		B136		B144		
24.6	0.95	29.6	0.97	34.6	0.99	39.6	1.01	44.1	1.03	48.6	1.04	54.6	1.08	60.6	1.09	64.6	1.10	31
23.1	0.95	28.1	0.97	33.1	0.99	38.1	1.01	42.6	1.03	47.1	1.04	53.1	1.08	59.1	1.09	63.1	1.10	32
21.9	0.95	26.9	0.97	31.9	0.99	36.9	1.01	41.4	1.03	45.9	1.04	51.9	1.07	57.9	1.09	61.9	1.10	33
18.9	0.94	23.9	0.97	28.9	0.99	33.9	1.01	38.4	1.03	42.9	1.04	48.9	1.07	54.9	1.09	58.9	1.10	34
—	—	15.6	0.96	20.6	0.98	25.6	1.00	30.1	1.02	34.6	1.04	40.6	1.07	46.6	1.09	50.6	1.10	35
B46		B52		B58		B64		B70		B77		B84		B91		B98		
18.9	0.88	21.9	0.90	24.9	0.92	27.9	0.95	30.9	0.96	34.4	0.98	37.9	0.99	41.4	1.01	44.9	1.02	36
17.9	0.88	20.9	0.90	23.9	0.92	26.9	0.95	29.9	0.96	33.4	0.98	36.9	0.99	40.4	1.01	43.9	1.02	37
16.5	0.88	19.5	0.90	22.5	0.92	25.5	0.95	28.5	0.96	32.0	0.98	35.5	0.99	39.0	1.01	42.5	1.02	38
16.2	0.88	19.2	0.90	22.2	0.92	25.2	0.95	28.2	0.96	31.7	0.98	35.2	0.99	38.7	1.01	42.2	1.02	39
15.3	0.87	18.3	0.90	21.3	0.91	24.3	0.95	27.3	0.96	30.8	0.98	34.3	0.99	37.8	1.01	41.3	1.02	40
B46		B52		B58		B64		B70		B77		B84		B91		B98		
15.2	0.87	18.2	0.90	21.2	0.91	24.2	0.95	27.2	0.96	30.7	0.98	34.2	0.99	37.7	1.01	41.2	1.02	41
14.9	0.87	17.9	0.90	20.9	0.91	23.9	0.95	26.9	0.96	30.4	0.98	33.9	0.99	37.4	1.01	40.9	1.02	42
13.8	0.87	16.8	0.89	19.8	0.91	22.8	0.95	25.8	0.96	29.3	0.98	32.8	0.99	36.3	1.01	39.8	1.02	43
13.7	0.87	16.7	0.89	19.7	0.91	22.7	0.95	25.7	0.96	29.2	0.98	32.7	0.99	36.2	1.01	39.7	1.02	44
13.5	0.87	16.5	0.89	19.5	0.91	22.5	0.95	25.5	0.96	29.0	0.98	32.5	0.99	36.0	1.01	39.5	1.02	45
B46		B52		B58		B64		B70		B77		B84		B91		B98		
12.2	0.87	15.2	0.89	18.2	0.91	21.2	0.94	24.2	0.96	27.7	0.98	31.2	0.99	34.7	1.01	38.2	1.02	46
12.0	0.87	15.0	0.89	18.0	0.91	21.0	0.94	24.0	0.96	27.5	0.98	31.0	0.99	34.5	1.01	38.0	1.02	47
11.5	0.87	14.5	0.89	17.5	0.91	20.5	0.94	23.5	0.96	27.0	0.98	30.5	0.99	34.0	1.01	37.5	1.02	48
10.7	0.87	13.7	0.89	16.7	0.91	19.7	0.94	22.7	0.96	26.2	0.98	29.7	0.99	33.2	1.00	36.7	1.02	49
10.5	0.87	13.5	0.89	16.5	0.91	19.5	0.94	22.5	0.96	26.1	0.98	29.6	0.99	33.1	1.00	36.6	1.02	50
B66		B76		B86		B96		B105		B116		B128		B140		B154		
15.5	0.94	20.5	0.97	25.5	0.99	30.5	1.01	35.0	1.03	40.5	1.06	46.5	1.08	52.5	1.09	59.5	1.12	51
—	—	16.1	0.96	21.1	0.99	26.1	1.01	30.6	1.02	36.1	1.06	42.1	1.08	48.1	1.09	55.1	1.12	52
28.2	0.95	33.2	0.98	38.2	1.00	43.2	1.02	47.7	1.03	53.2	1.06	59.2	1.08	65.2	1.10	72.2	1.13	53
27.1	0.95	32.1	0.98	37.1	1.00	42.1	1.02	46.6	1.03	52.1	1.06	58.1	1.08	64.1	1.10	71.1	1.13	54
26.8	0.95	31.8	0.98	36.8	1.00	41.8	1.02	46.3	1.03	51.8	1.06	57.8	1.08	63.8	1.10	70.8	1.13	55
B46		B52		B58		B64		B70		B77		B84		B91		B98		
15.7	0.87	18.7	0.90	21.7	0.91	24.7	0.95	27.7	0.96	31.2	0.98	34.7	0.99	38.2	1.01	41.7	1.02	56
14.5	0.87	17.5	0.89	20.5	0.91	23.5	0.95	26.5	0.96	30.0	0.98	33.5	0.99	37.0	1.01	40.5	1.02	57
14.2	0.87	17.2	0.89	20.2	0.91	23.2	0.95	26.2	0.96	29.7	0.98	33.2	0.99	36.7	1.01	40.2	1.02	58
13.5	0.87	16.5	0.89	19.5	0.91	22.5	0.94	25.5	0.96	29.0	0.98	32.5	0.99	36.0	1.01	39.5	1.02	59
12.3	0.87	15.3	0.89	18.3	0.91	21.3	0.94	24.3	0.96	27.8	0.98	31.3	0.99	34.8	1.01	38.3	1.02	60
B56		B64		B72		B80		B88		B96		B103		B112		B120		
17.1	0.90	21.1	0.94	25.1	0.96	29.1	0.98	33.1	1.00	37.1	1.01	40.6	1.03	45.1	1.04	49.1	1.07	61
15.6	0.90	19.6	0.94	23.6	0.96	27.6	0.98	31.6	1.00	35.6	1.01	39.1	1.03	43.6	1.04	47.6	1.07	62
—	—	14.6	0.93	18.6	0.96	22.6	0.98	26.6	0.99	30.6	1.01	34.1	1.02	38.6	1.04	42.6	1.07	63
22.5	0.91	26.5	0.95	30.5	0.97	34.5	0.99	38.5	1.00	42.5	1.02	46.0	1.03	50.5	1.04	54.5	1.07	64
21.4	0.91	25.4	0.95	29.4	0.97	33.4	0.98	37.4	1.00	41.4	1.02	44.9	1.03	49.4	1.04	53.4	1.07	65
B46		B52		B58		B64		B70		B77		B84		B91		B98		
15.3	0.87	18.3	0.89	21.3	0.91	24.3	0.95	27.3	0.96	30.8	0.98	34.3	0.99	37.8	1.01	41.3	1.02	66
15.1	0.87	18.1	0.89	21.1	0.91	24.1	0.95	27.1	0.96	30.6	0.98	34.1	0.99	37.6	1.01	41.1	1.02	67
14.8	0.87	17.8	0.89	20.8	0.91	23.8	0.95	26.8	0.96	30.3	0.98	33.8	0.99	37.3	1.01	40.8	1.02	68
13.9	0.87	16.9	0.89	19.9	0.91	22.9	0.94	25.9	0.96	29.4	0.98	32.9	0.99	36.4	1.01	39.9	1.02	69
13.8	0.87	16.8	0.89	19.8	0.91	22.8	0.94	25.8	0.96	29.3	0.98	32.8	0.99	36.3	1.01	39.8	1.02	70
B66		B76		B86		B96		B105		B116		B128		B140		B154		
23.6	0.95	28.6	0.97	33.6	1.00	38.6	1.02	43.1	1.03	48.6	1.06	54.6	1.08	60.6	1.10	67.6	1.13	71
23.1	0.95	28.1	0.97	33.1	1.00	38.1	1.01	42.6	1.03	48.1	1.06	54.1	1.08	60.1	1.10	67.1	1.13	72
19.4	0.95	24.4	0.97	29.4	0.99	34.4	1.01	38.9	1.03	44.4	1.06	50.4	1.08	56.4	1.09	63.4	1.13	73
17.2	0.94	22.2	0.97	27.2	0.99	32.2	1.01	36.7	1.03	42.2	1.06	48.2	1.08	54.2	1.09	61.2	1.12	74
—	—	16.3	0.96	21.3	0.98	26.3	1.01	30.8	1.02	36.3	1.06	42.3	1.07	48.3	1.09	55.3	1.12	75

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Datum Diameter Driver	Datum Diameter Driven	Type Fix.	Type Var.	Nominal Driven Speeds and Horsepower per Belt — 3500 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	1750 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	Center Distance in Inches and "F" Factor for Browning Belts: Belt No.	C.D.	F	Belt No.	C.D.	F	Belt No.	C.D.	F
														B28			B34			B40		
1	1.15	1	6	3.6	4.2	X	—	3043	4.08	7.95	1521	3.25	5.40	8.8		0.79	11.8		0.82	14.8		0.85
2	1.15	1	2	4.1	4.8	X	—	3043	5.71	9.56	1521	4.33	6.48	7.9		0.79	10.9		0.82	13.9		0.85
3	1.15	1	2	4.2	4.9	X	—	3043	6.01	9.87	1521	4.53	6.69	7.7		0.79	10.8		0.82	13.8		0.85
4	1.15	1	6	4.8	5.6	X	—	3043	7.95	12.26	1521	6.12	7.94	6.7		0.78	9.7		0.82	12.7		0.85
5	1.15	1	6	5.0	5.8	X	—	3043	8.67	13.10	1521	6.65	8.49	—		—	9.4		0.82	12.4		0.85
														B28			B34			B40		
6	1.15	1	10	6.0	7.0	X	X	3043	11.79	16.93	1521	9.21	11.22	—		—	7.7		0.81	10.7		0.84
7	1.15	1	1	6.1	7.1	X	X	3043	12.05	17.27	1521	9.46	11.49	—		—	—		—	10.5		0.84
8	1.15	1	1	6.8	7.9	X	—	—	—	—	1521	11.15	13.31	—		—	—		—	9.3		0.84
9	1.15	1	1	6.9	8.0	X	X	—	—	—	1521	11.39	13.57	—		—	—		—	9.2		0.84
10	1.15	1	10	7.4	8.6	X	X	—	—	—	1521	12.54	14.83	—		—	—		—	—		—
														B34			B43			B52		
11	1.15	1	2	9.0	10.4	X	—	—	—	—	1521	15.97	18.64	—		—	—		—	11.6		0.88
12	1.15	1	1	9.4	10.9	X	X	—	—	—	1521	16.75	19.54	—		—	—		—	—		—
13	1.15	1	1	12.4	14.4	X	—	—	—	—	1521	21.67	25.47	—		—	—		—	—		—
14	1.16	1	6	3.4	4.0	X	—	3017	3.42	7.26	1508	2.82	4.96	12.1		0.82	16.6		0.86	21.1		0.90
15	1.16	1	2	3.9	4.6	X	X	3017	5.11	8.93	1508	3.91	6.05	11.2		0.82	15.7		0.86	20.2		0.90
														B28			B34			B40		
16	1.16	1	6	4.6	5.4	X	—	3017	7.39	11.39	1508	5.68	7.53	7.0		0.78	10.0		0.82	13.0		0.85
17	1.16	1	2	5.0	5.9	X	—	3017	8.86	13.10	1508	6.75	8.49	—		—	9.3		0.82	12.3		0.85
18	1.16	1	2	5.1	6.0	X	X	3017	9.21	13.51	1508	7.01	8.77	—		—	9.2		0.82	12.2		0.85
19	1.16	1	2	5.2	6.1	X	—	3017	9.55	13.92	1508	7.27	9.05	—		—	9.0		0.82	12.0		0.85
20	1.16	1	10	5.6	6.6	X	X	3017	10.83	15.48	1508	8.30	10.14	—		—	8.3		0.81	11.3		0.85
														B28			B34			B40		
21	1.16	1	10	5.8	6.8	X	—	3017	11.42	16.22	1508	8.81	10.68	—		—	8.0		0.81	11.0		0.84
22	1.16	1	1	5.9	6.9	X	X	3017	11.71	16.57	1508	9.06	10.95	—		—	7.8		0.81	10.8		0.84
23	1.16	1	10	6.8	8.0	X	—	—	—	—	1508	11.25	13.31	—		—	—		—	9.3		0.84
24	1.16	1	10	8.0	9.4	X	—	—	—	—	1508	13.97	16.30	—		—	—		—	—		—
25	1.16	1	1	8.9	10.4	X	—	—	—	—	1508	15.86	18.42	—		—	—		—	—		—
														B28			B35			B42		
26	1.16	1	10	9.4	11.0	X	X	—	—	—	1508	16.85	19.54	—		—	—		—	—		—
27	1.17	1	2	3.2	3.8	X	—	2991	2.74	6.56	1495	2.39	4.51	9.4		0.79	12.9		0.83	16.4		0.86
28	1.17	1	6	4.2	5.0	X	—	2991	6.07	9.87	1495	4.60	6.69	7.7		0.79	11.2		0.83	14.7		0.86
29	1.17	1	6	4.4	5.2	X	—	2991	6.64	10.50	1495	5.14	7.11	7.4		0.78	10.9		0.83	14.4		0.86
30	1.17	1	2	4.9	5.8	X	X	2991	8.51	12.68	1495	6.48	8.21	6.5		0.78	10.0		0.82	13.5		0.86
														B28			B34			B40		
31	1.17	1	10	5.4	6.4	X	X	2991	10.21	14.71	1495	7.79	9.60	—		—	8.6		0.81	11.6		0.85
32	1.17	1	2	5.9	7.0	X	X	2991	11.71	16.57	1495	9.06	10.95	—		—	7.8		0.81	10.8		0.84
33	1.17	1	1	6.0	7.1	X	X	2991	11.98	16.93	1495	9.31	11.22	—		—	—		—	10.6		0.84
34	1.17	1	1	7.1	8.4	X	X	—	—	—	1495	11.95	14.08	—		—	—		—	—		—
35	1.17	1	1	8.4	9.9	X	X	—	—	—	1495	14.83	17.25	—		—	—		—	—		—
														B36			B47			B58		
36	1.17	1	2	11.4	13.4	X	—	—	—	—	1495	20.33	23.66	—		—	—		—	—		—
37	1.17	1	6	13.6	16.0	X	—	—	—	—	1495	23.19	27.41	—		—	—		—	—		—
38	1.18	1	2	3.0	3.6	X	X	2966	2.05	5.84	1483	1.96	4.06	13.7		0.83	19.2		0.88	24.7		0.92
39	1.18	1	2	3.4	4.1	X	—	2966	3.50	7.26	1483	2.86	4.96	13.0		0.83	18.5		0.88	24.0		0.91
40	1.18	1	6	4.0	4.8	X	—	2966	5.48	9.25	1483	4.15	6.27	12.0		0.83	17.5		0.88	23.0		0.91
														B28			B34			B40		
41	1.18	1	2	4.1	4.9	X	—	2966	5.78	9.56	1483	4.36	6.48	7.8		0.79	10.8		0.82	13.8		0.85
42	1.18	1	6	5.0	6.0	X	—	2966	8.92	13.33	1483	6.78	8.61	—		—	9.3		0.82	12.3		0.85
43	1.18	1	2	5.1	6.1	X	X	2966	9.27	13.74	1483	7.04	8.88	—		—	9.1		0.82	12.1		0.85
44	1.18	1	6	5.2	6.2	X	—	2966	9.61	14.14	1483	7.30	9.16	—		—	8.9		0.82	11.9		0.85
45	1.18	1	1	5.8	6.9	X	—	2966	11.48	16.44	1483	8.84	10.80	—		—	7.9		0.81	10.9		0.84
														B32			B41			B49		
46	1.18	1	10	6.2	7.4	X	—	2966	12.56	17.84	1483	9.83	11.86	—		—	10.7		0.85	14.7		0.88
47	1.18	1	1	6.6	7.9	X	X	2966	13.49	19.12	1483	10.80	12.91	—		—	10.0		0.84	14.0		0.88
48	1.18	1	1	7.9	9.4	X	—	—	—	—	1483	13.78	16.17	—		—	—		—	11.8		0.87
49	1.18	1	2	10.4	12.4	X	—	—	—	—	1483	18.72	21.79	—		—	—		—	—		—
50	1.18	1	2	11.4	13.6	X	—	—	—	—	1483	20.36	23.77	—		—	—		—	—		—
														B36			B47			B58		
51	1.18	1	2	13.4	16.0	X	—	—	—	—	1483	23.01	27.22	—		—	—		—	—		—
52	1.19	1	6	3.8	4.6	X	—	2941	4.86	8.61	1470	3.74	5.84	12.3		0.83	17.8		0.88	23.3		0.91
53	1.19	1	6	4.8	5.8	X	—	2941	8.20	12.48	1470	6.25	8.05	10.6		0.83	16.1		0.88	21.6		0.91
54	1.19	1	2	4.9	5.9	X	X	2941	8.56	12.91	1470	6.51	8.33	10.4		0.83	15.9		0.88	21.4		0.91
55	1.19	1	10	5.8	7.0	X	—	2941	11.48	16.44	1470	8.84	10.80	8.8		0.82	14.3		0.87	19.8		0.91
														B28			B34			B40		
56	1.19	1	1	5.9	7.1	X	X	2941	11.76	16.80	1470	9.09	11.07	—		—	7.7		0.81	10.7		0.84
57	1.19	1	2	7.0	8.4	X	—	—	—	—	1470	11.75	13.94	—		—	—		—	—		—
58	1.19	1	1	7.4	8.9	X	X	—	—	—	1470	12.67	14.94	—		—	—		—	—		—
59	1.20	1	2	3.2	3.9	X	—	2916	2.82	6.56	1458	2.43	4.51	9.3		0.79	12.3		0.82	15.3		0.85
60	1.20	1	6	3.6	4.4	X	—	2916	4.22	7.95	1458	3.32	5.40	8.6		0.79	11.6		0.82	14.6		0.85
														B28			B34			B40		
61	1.20	1	2	4.0	4.9	X	—	2916	5.54	9.27	1458	4.18	6.27	7.9		0.78	10.9		0.82	13.9		0.85
62	1.20	1	2	4.1	5.0	X	—	2916	5.84	9.57	1458	4.39	6.48	7.7		0.78	10.7		0.82	13.7		0.85
63	1.20	1	2	4.2	5.1	X	—	2916	6.13	9.88	1458	4.63	6.69	7.6		0.78	10.6		0.82	13.6		0.85
64	1.20	1	6	4.6	5.6	X	—	2916	7.45	11.62	1458	5.71	7.53	6.9		0.78	9.9		0.82	12.9		0.85
65	1.20	1	2	5.0	6.1	X	—	2916	8.92	13.33	1458	6.78	8.61	—		—	9.2		0.81	12.2		0.84
														B28			B34			B40		
66	1.20	1	2	5.1	6.2	X	X	2916	9.27	13.74	1458	7.04	8.88	—		—	9.0		0.81	12.0		0.84
67	1.20	1	10	5.6	6.8	X	X	2916	10.89	15.70	1458	8.33	10.26	—		—	8.1		0.81	11.1		0.84
68	1.20	1	2	6.1	7.4	X	X	2916	12.30	17.50	1458	9.58	11.60	—		—	—		—	10.3		0.84
69	1.20	1	10	6.6	8.0	X	X	2916	13.49	19.12	1458	10.80	12.91	—		—	—		—	9.4		0.84
70	1.20	1	1	6.9	8.4	X	X	—	—	—	1458	11.51	13.68	—		—	—		—	8.9		0.83
														B28			B35			B42		
71	1.20	1	1	7.1	8.6	X	X	—	—	—	1458	11.98	14.19	—		—	—		—	9.5		0.84
72	1.20	1	10	7.4	9.0	X	X	—	—	—	1458	12.67	14.94	—		—	—		—	—		—
73	1.20	1	2	8.6	10.4	X	—	—	—	—	1458	15.28	17.84	—		—	—		—	—		—
74	1.20	1	1	9.0	10.9	X	—	—	—	—	1458	16.09	18.76	—		—	—		—	—		—
75	1.20	1	2	9.4	11.4	X	X	—	—	—	1458	16.88	19.65	—		—	—		—	—		—

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts

Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
17.8	0.88	20.8	0.90	23.8	0.92	26.8	0.95	29.8	0.96	33.3	0.98	36.8	0.99	40.3	1.01	43.8	1.02	1
16.9	0.87	19.9	0.90	22.9	0.91	25.9	0.95	28.9	0.96	32.4	0.98	35.9	0.99	39.4	1.01	42.9	1.02	2
16.8	0.87	19.8	0.90	22.8	0.91	25.8	0.95	28.8	0.96	32.3	0.98	35.8	0.99	39.3	1.01	42.8	1.02	3
15.7	0.87	18.7	0.89	21.7	0.91	24.7	0.95	27.7	0.96	31.2	0.98	34.7	0.99	38.2	1.01	41.7	1.02	4
15.4	0.87	18.4	0.89	21.4	0.91	24.4	0.95	27.4	0.96	30.9	0.98	34.4	0.99	37.9	1.01	41.4	1.02	5
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
13.7	0.87	16.7	0.89	19.7	0.91	22.7	0.94	25.7	0.96	29.2	0.98	32.7	0.99	36.2	1.01	39.7	1.02	6
13.5	0.87	16.5	0.89	19.5	0.91	22.5	0.94	25.5	0.96	29.0	0.98	32.5	0.99	36.0	1.01	39.5	1.02	7
12.3	0.87	15.4	0.89	18.4	0.91	21.4	0.94	24.4	0.96	27.9	0.98	31.4	0.99	34.9	1.00	38.4	1.02	8
12.2	0.87	15.2	0.89	18.2	0.91	21.2	0.94	24.2	0.96	27.7	0.98	31.2	0.99	34.7	1.00	38.2	1.02	9
11.3	0.87	14.3	0.89	17.3	0.91	20.3	0.94	23.3	0.96	26.8	0.97	30.3	0.99	33.8	1.00	37.3	1.02	10
B61		**B70**		**B79**		**B88**		**B98**		**B108**		**B116**		**B124**		**B136**		
16.2	0.91	20.7	0.95	25.2	0.98	29.7	1.00	34.7	1.02	39.7	1.03	43.7	1.06	47.7	1.07	53.7	1.09	11
15.4	0.91	20.0	0.95	24.5	0.98	29.0	1.00	34.0	1.02	39.0	1.03	43.0	1.06	47.0	1.07	53.0	1.09	12
—	—	14.8	0.94	19.3	0.97	23.8	0.99	28.8	1.01	33.8	1.03	37.8	1.06	41.9	1.07	47.9	1.09	13
25.6	0.92	30.1	0.96	34.6	0.98	39.1	1.00	44.1	1.02	49.1	1.04	53.1	1.06	57.1	1.08	63.1	1.09	14
24.7	0.92	29.2	0.96	33.7	0.98	38.2	1.00	43.2	1.02	48.2	1.04	52.2	1.06	56.2	1.08	62.2	1.09	15
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
16.0	0.87	19.0	0.89	22.0	0.91	25.0	0.95	28.0	0.96	31.5	0.98	35.0	0.99	38.5	1.01	42.0	1.02	16
15.3	0.87	18.3	0.89	21.3	0.91	24.3	0.94	27.3	0.96	30.8	0.98	34.3	0.99	37.8	1.01	41.3	1.02	17
15.2	0.87	18.2	0.89	21.2	0.91	24.2	0.94	27.2	0.96	30.7	0.98	34.2	0.99	37.7	1.01	41.2	1.02	18
15.0	0.87	18.0	0.89	21.0	0.91	24.0	0.94	27.0	0.96	30.5	0.98	34.0	0.99	37.5	1.01	41.0	1.02	19
14.3	0.87	17.3	0.89	20.3	0.91	23.3	0.94	26.3	0.96	29.8	0.98	33.3	0.99	36.8	1.01	40.3	1.02	20
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
14.0	0.87	17.0	0.89	20.0	0.91	23.0	0.94	26.0	0.96	29.5	0.98	33.0	0.99	36.5	1.01	40.0	1.02	21
13.8	0.87	16.8	0.89	19.8	0.91	22.8	0.94	25.8	0.96	29.3	0.98	32.8	0.99	36.3	1.01	39.8	1.02	22
12.3	0.87	15.3	0.89	18.3	0.91	21.3	0.94	24.3	0.96	27.8	0.97	31.3	0.99	34.8	1.00	38.3	1.02	23
10.2	0.86	13.2	0.89	16.2	0.91	19.2	0.94	22.2	0.96	25.7	0.97	29.2	0.99	32.7	1.00	36.2	1.02	24
—	—	11.7	0.88	14.7	0.90	17.7	0.94	20.7	0.95	24.2	0.97	27.7	0.99	31.2	1.00	34.7	1.02	25
B49		**B56**		**B63**		**B70**		**B77**		**B84**		**B91**		**B98**		**B105**		
—	—	12.9	0.89	16.4	0.93	19.9	0.95	23.4	0.97	26.9	0.99	30.4	1.00	33.9	1.01	37.4	1.03	26
19.9	0.89	23.4	0.91	26.9	0.94	30.4	0.96	33.9	0.98	37.4	0.99	40.9	1.01	44.4	1.02	47.9	1.03	27
18.2	0.88	21.7	0.91	25.2	0.94	28.7	0.96	32.2	0.98	35.7	0.99	39.2	1.01	42.7	1.02	46.2	1.03	28
17.9	0.88	21.4	0.91	24.9	0.94	28.4	0.96	31.9	0.98	35.4	0.99	38.9	1.01	42.4	1.02	45.9	1.03	29
17.0	0.88	20.5	0.91	24.0	0.94	27.5	0.96	31.0	0.98	34.5	0.99	38.0	1.01	41.5	1.02	45.0	1.03	30
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
14.6	0.87	17.6	0.89	20.6	0.91	23.6	0.94	26.6	0.96	30.1	0.98	33.6	0.99	37.1	1.01	40.6	1.02	31
13.8	0.87	16.8	0.89	19.8	0.91	22.8	0.94	25.8	0.96	29.3	0.98	32.8	0.99	36.3	1.00	39.8	1.02	32
13.6	0.87	16.6	0.89	19.6	0.91	22.6	0.94	25.6	0.96	29.1	0.98	32.6	0.99	36.1	1.00	39.6	1.02	33
11.7	0.86	14.7	0.89	17.7	0.91	20.7	0.94	23.7	0.96	27.2	0.97	30.7	0.99	34.2	1.00	37.7	1.02	34
—	—	12.5	0.88	15.5	0.90	18.5	0.94	21.5	0.95	25.0	0.97	28.5	0.99	32.0	1.00	35.5	1.02	35
B69		**B80**		**B91**		**B103**		**B116**		**B128**		**B140**		**B150**		**B162**		
15.9	0.94	21.4	0.97	26.9	1.00	32.9	1.02	39.4	1.06	45.4	1.07	51.4	1.09	56.4	1.10	62.4	1.13	36
—	—	17.6	0.97	23.1	0.99	29.1	1.02	35.6	1.05	41.6	1.07	47.6	1.09	52.7	1.10	58.7	1.13	37
30.2	0.96	35.7	0.99	41.2	1.01	47.2	1.03	53.7	1.06	59.7	1.08	65.7	1.10	70.7	1.11	76.7	1.14	38
29.5	0.96	35.0	0.99	40.5	1.01	46.5	1.03	53.0	1.06	59.0	1.08	65.0	1.10	70.0	1.11	76.0	1.14	39
28.5	0.96	34.0	0.98	39.5	1.01	45.5	1.03	52.0	1.06	58.0	1.08	64.0	1.10	69.0	1.11	75.0	1.14	40
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
16.8	0.87	19.8	0.90	22.8	0.91	25.8	0.95	28.8	0.96	32.3	0.98	35.8	0.99	39.3	1.01	42.8	1.02	41
15.3	0.87	18.3	0.89	21.3	0.91	24.3	0.94	27.3	0.96	30.8	0.98	34.3	0.99	37.8	1.01	41.3	1.02	42
15.1	0.87	18.1	0.89	21.1	0.91	24.1	0.94	27.1	0.96	30.6	0.98	34.1	0.99	37.6	1.01	41.1	1.02	43
14.9	0.87	17.9	0.89	20.9	0.91	23.9	0.94	26.9	0.96	30.4	0.98	33.9	0.99	37.4	1.01	40.9	1.02	44
13.9	0.87	16.9	0.89	19.9	0.91	22.9	0.94	25.9	0.96	29.4	0.98	32.9	0.99	36.4	1.00	39.9	1.02	45
B58		**B67**		**B76**		**B85**		**B94**		**B103**		**B112**		**B120**		**B128**		
19.2	0.91	23.7	0.95	28.2	0.97	32.7	0.99	37.2	1.01	41.7	1.03	46.2	1.04	50.2	1.07	54.2	1.08	46
18.5	0.91	23.0	0.95	27.5	0.97	32.0	0.99	36.5	1.01	41.0	1.03	45.5	1.04	49.5	1.07	53.5	1.08	47
16.3	0.91	20.8	0.95	25.3	0.97	29.8	0.99	34.3	1.01	38.8	1.02	43.3	1.04	47.3	1.07	51.3	1.08	48
—	—	16.5	0.94	21.0	0.96	25.5	0.99	30.0	1.00	34.5	1.02	39.0	1.04	43.0	1.06	47.0	1.08	49
—	—	14.7	0.93	19.2	0.96	23.7	0.98	28.3	1.00	32.8	1.02	37.3	1.03	41.3	1.06	45.3	1.07	50
B69		**B80**		**B91**		**B103**		**B116**		**B128**		**B140**		**B150**		**B162**		
—	—	17.8	0.96	23.3	0.99	29.3	1.02	35.8	1.05	41.8	1.07	47.8	1.09	52.8	1.10	58.8	1.13	51
28.8	0.96	34.3	0.98	39.8	1.01	45.8	1.03	52.3	1.06	58.3	1.08	64.3	1.10	69.3	1.11	75.3	1.14	52
27.1	0.96	32.6	0.98	38.1	1.01	44.1	1.03	50.6	1.06	56.6	1.08	62.6	1.10	67.6	1.11	73.6	1.14	53
26.9	0.96	32.4	0.98	37.9	1.01	43.9	1.03	50.4	1.06	56.4	1.08	62.4	1.10	67.4	1.11	73.4	1.14	54
25.3	0.96	30.8	0.98	36.3	1.00	42.3	1.03	48.8	1.06	54.8	1.08	60.8	1.09	65.8	1.11	71.8	1.13	55
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
13.7	0.87	16.7	0.89	19.7	0.91	22.7	0.94	25.7	0.96	29.2	0.98	32.7	0.99	36.2	1.00	39.7	1.02	56
11.8	0.86	14.8	0.89	17.8	0.91	20.8	0.94	23.8	0.96	27.3	0.97	30.8	0.99	34.3	1.00	37.8	1.02	57
11.1	0.86	14.1	0.89	17.1	0.91	20.1	0.94	23.1	0.96	26.6	0.97	30.1	0.99	33.6	1.00	37.1	1.02	58
18.3	0.88	21.3	0.90	24.3	0.91	27.3	0.95	30.3	0.96	33.8	0.98	37.3	0.99	40.8	1.01	44.3	1.02	59
17.6	0.87	20.6	0.90	23.6	0.91	26.6	0.95	29.6	0.96	33.1	0.98	36.6	0.99	40.1	1.01	43.6	1.02	60
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
16.9	0.87	19.9	0.89	22.9	0.91	25.9	0.95	28.9	0.96	32.4	0.98	35.9	0.99	39.4	1.01	42.9	1.02	61
16.8	0.87	19.8	0.89	22.8	0.91	25.8	0.95	28.8	0.96	32.3	0.98	35.8	0.99	39.3	1.01	42.8	1.02	62
16.6	0.87	19.6	0.89	22.6	0.91	25.6	0.95	28.6	0.96	32.1	0.98	35.6	0.99	39.1	1.01	42.6	1.02	63
15.9	0.87	18.9	0.89	21.9	0.91	24.9	0.94	27.9	0.96	31.4	0.98	34.9	0.99	38.4	1.01	41.9	1.02	64
15.2	0.87	18.2	0.89	21.2	0.91	24.2	0.94	27.2	0.96	30.7	0.98	34.2	0.99	37.7	1.01	41.2	1.02	65
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
15.0	0.87	18.0	0.89	21.0	0.91	24.0	0.94	27.0	0.96	30.5	0.98	34.0	0.99	37.5	1.01	41.0	1.02	66
14.2	0.87	17.2	0.89	20.2	0.91	23.2	0.94	26.2	0.96	29.7	0.98	33.2	0.99	36.7	1.00	40.2	1.02	67
13.3	0.87	16.3	0.89	19.3	0.91	22.3	0.94	25.3	0.96	28.8	0.97	32.3	0.99	35.8	1.00	39.3	1.02	68
12.4	0.86	15.4	0.89	18.4	0.91	21.4	0.94	24.4	0.96	27.9	0.97	31.4	0.99	34.9	1.00	38.4	1.02	69
11.9	0.86	14.9	0.89	7.9	0.91	20.9	0.94	23.9	0.96	27.4	0.97	30.9	0.99	34.4	1.00	37.9	1.02	70
B49		**B56**		**B63**		**B70**		**B77**		**B84**		**B91**		**B98**		**B105**		
13.1	0.87	16.6	0.90	20.1	0.94	23.6	0.96	27.1	0.97	30.6	0.99	34.1	1.00	37.6	1.02	41.1	1.03	71
12.5	0.87	16.0	0.90	19.5	0.94	23.0	0.95	26.5	0.97	30.0	0.99	33.5	1.00	37.0	1.02	40.5	1.03	72
—	—	14.0	0.89	17.5	0.93	21.0	0.95	24.5	0.97	28.0	0.99	31.5	1.00	35.0	1.01	38.5	1.03	73
—	—	13.2	0.89	16.8	0.93	20.3	0.95	23.8	0.97	27.3	0.98	30.8	1.00	34.3	1.01	37.8	1.03	74
—	—	12.5	0.89	16.0	0.93	19.5	0.95	23.1	0.97	26.6	0.98	30.1	1.00	33.6	1.01	37.1	1.02	75

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves		Datum Diameter		Type		Nominal Driven Speeds and Horsepower per Belt						Center Distance in Inches and "F" Factor for Browning Belts					
								3500 RPM Driver			1750 RPM Driver			Belt No.		Belt No.		Belt No.	
								Nominal Driven Speed	HP per Belt		Nominal Driven Speed	HP per Belt							
		Min	Max	Driver	Driven	Fix.	Var.		Super	Gripnotch		Super	Gripnotch	C.D.	F	C.D.	F	C.D.	F
														B34		B44		B54	
1	1.20	1	2	12.4	15.0	X	—	—	—	—	1458	21.79	25.58	—	—	—	—	—	—
2	1.21	1	6	3.4	4.2	X	—	2892	3.57	7.49	1446	2.89	5.07	11.9	0.82	16.9	0.87	21.9	0.90
3	1.21	1	2	3.9	4.8	X	X	2892	5.23	9.15	1446	3.97	6.17	11.1	0.82	16.1	0.87	21.1	0.90
4	1.21	1	6	4.4	5.4	X	—	2892	6.75	10.73	1446	5.17	7.23	10.2	0.82	15.2	0.86	20.2	0.90
5	1.21	1	2	4.8	5.9	X	—	2892	8.20	12.48	1446	6.25	8.05	9.5	0.81	14.5	0.86	19.5	0.90
														B28		B34		B40	
6	1.21	1	2	4.9	6.0	X	X	2892	8.56	12.91	1446	6.51	8.33	—	—	9.3	0.81	12.3	0.84
7	1.21	1	6	5.2	6.4	X	—	2892	9.61	14.14	1446	7.30	9.16	—	—	8.8	0.81	11.8	0.84
8	1.21	1	10	5.4	6.6	X	X	2892	10.26	14.94	1446	7.82	9.71	—	—	8.5	0.81	11.5	0.84
9	1.21	1	1	5.8	7.1	X	—	2892	11.48	16.44	1446	8.84	10.80	—	—	7.7	0.81	10.8	0.84
10	1.21	1	10	7.0	8.6	X	—	—	—	—	1446	11.75	13.94	—	—	—	—	—	—
							—							B32		B40		B48	
11	1.21	1	1	8.9	10.9	X	—	—	—	—	1446	15.89	18.53	—	—	—	—	—	—
12	1.21	1	10	9.0	11.0	X	—	—	—	—	1446	16.09	18.76	—	—	—	—	—	—
13	1.21	1	2	11.0	13.4	X	—	—	—	—	1446	19.72	23.00	—	—	—	—	—	—
14	1.22	1	2	3.2	4.0	X	—	2868	2.89	6.78	1434	2.46	4.62	11.2	0.81	15.2	0.85	19.2	0.88
15	1.22	1	2	4.1	5.1	X	—	2868	5.89	9.78	1434	4.42	6.59	9.7	0.81	13.7	0.85	17.7	0.88
														B28		B34		B40	
16	1.22	1	6	4.2	5.2	X	—	2868	6.18	10.09	1434	4.69	6.81	7.5	0.78	10.5	0.82	13.5	0.85
17	1.22	1	6	5.0	6.2	X	—	2868	9.05	13.33	1434	6.84	8.61	—	—	9.1	0.81	12.1	0.84
18	1.22	1	1	5.6	6.9	X	X	2868	11.03	15.70	1434	8.40	10.26	—	—	8.1	0.81	11.1	0.84
19	1.22	1	10	6.0	7.4	X	X	2868	12.17	17.15	1434	9.40	11.33	—	—	—	—	10.4	0.84
20	1.22	1	1	6.4	7.9	X	X	2868	13.18	18.49	1434	10.39	12.39	—	—	—	—	9.6	0.84
														B32		B40		B48	
21	1.22	1	2	6.8	8.4	X	—	—	—	—	1434	11.35	13.43	—	—	8.9	0.83	12.9	0.87
22	1.22	1	1	8.0	9.9	X	—	—	—	—	1434	14.07	16.41	—	—	—	—	10.8	0.86
23	1.22	1	2	8.4	10.4	X	X	—	—	—	1434	14.93	17.37	—	—	—	—	—	—
24	1.22	1	1	8.9	11.0	X	—	—	—	—	1434	15.96	18.53	—	—	—	—	—	—
25	1.22	1	1	10.9	13.4	X	—	—	—	—	1434	19.63	22.80	—	—	—	—	—	—
														B28		B34		B40	
26	1.23	1	2	3.9	4.9	X	X	2845	5.28	9.15	1422	4.00	6.17	8.0	0.78	11.0	0.82	14.0	0.85
27	1.23	1	6	4.0	5.0	X	—	2845	5.59	9.47	1422	4.21	6.38	7.8	0.78	10.8	0.82	13.8	0.85
28	1.23	1	6	4.8	6.0	X	—	2845	8.33	12.48	1422	6.32	8.05	—	—	9.4	0.81	12.4	0.84
29	1.23	1	2	4.9	6.1	X	X	2845	8.70	12.91	1422	6.58	8.33	—	—	9.2	0.81	12.3	0.84
30	1.23	1	10	5.6	7.0	X	X	2845	11.03	15.70	1422	8.40	10.26	—	—	8.0	0.81	11.0	0.84
														B34		B44		B54	
31	1.23	1	10	6.4	8.0	X	X	2845	13.18	18.49	1422	10.39	12.39	—	—	11.6	0.85	16.6	0.89
32	1.23	1	1	6.9	8.6	X	X	—	—	—	1422	11.58	13.68	—	—	10.7	0.85	15.7	0.89
33	1.23	1	10	11.0	13.6	X	—	—	—	—	1422	19.79	23.00	—	—	—	—	—	—
34	1.23	1	10	12.4	15.4	X	—	—	—	—	1422	21.85	25.58	—	—	—	—	—	—
35	1.24	1	2	3.0	3.8	X	X	2822	2.19	6.06	1411	2.03	4.17	12.6	0.82	17.6	0.87	22.6	0.90
														B28		B34		B40	
36	1.24	1	6	3.8	4.8	X	—	2822	4.97	8.83	1411	3.79	5.95	8.1	0.78	11.1	0.82	14.1	0.85
37	1.24	1	6	4.6	5.8	X	—	2822	7.64	11.78	1411	5.81	7.64	6.7	0.78	9.7	0.81	12.7	0.84
38	1.24	1	2	5.1	6.4	X	X	2822	9.46	13.90	1411	7.14	8.97	—	—	8.8	0.81	11.9	0.84
39	1.24	1	10	5.4	6.8	X	X	2822	10.46	15.10	1411	7.91	9.79	—	—	8.3	0.81	11.3	0.84
40	1.24	1	2	5.9	7.4	X	X	2822	11.96	16.97	1411	9.18	11.15	—	—	—	—	10.4	0.84
														B32		B40		B48	
41	1.24	1	1	7.1	8.9	X	X	—	—	—	1411	12.08	14.27	—	—	—	—	12.3	0.87
42	1.24	1	1	7.9	9.9	X	—	—	—	—	1411	13.88	16.26	—	—	—	—	10.9	0.86
43	1.24	1	1	9.9	12.4	X	—	—	—	—	1411	17.92	20.82	—	—	—	—	—	—
44	1.24	1	1	10.9	13.6	X	—	—	—	—	1411	19.66	22.88	—	—	—	—	—	—
45	1.25	1	2	3.2	4.1	X	—	2800	2.95	6.78	1400	2.49	4.62	11.2	0.81	15.2	0.85	19.2	0.88
														B28		B34		B40	
46	1.25	1	6	3.6	4.6	X	—	2800	4.34	8.17	1400	3.37	5.51	8.4	0.78	11.5	0.82	14.5	0.85
47	1.25	1	2	4.0	5.1	X	—	2800	5.64	9.47	1400	4.23	6.38	7.7	0.78	10.7	0.82	13.7	0.85
48	1.25	1	2	4.1	5.2	X	—	2800	5.94	9.78	1400	4.45	6.59	7.6	0.78	10.6	0.82	13.6	0.85
49	1.25	1	6	4.4	5.6	X	—	2800	6.86	10.89	1400	5.27	7.23	7.0	0.78	10.0	0.81	13.0	0.84
50	1.25	1	2	4.8	6.1	X	—	2800	8.39	12.65	1400	6.34	8.13	—	—	9.3	0.81	12.3	0.84
														B28		B34		B40	
51	1.25	1	2	4.9	6.2	X	X	2800	8.76	13.07	1400	6.61	8.41	—	—	9.2	0.81	12.2	0.84
52	1.25	1	6	5.2	6.6	X	—	2800	9.80	14.31	1400	7.40	9.24	—	—	8.6	0.81	11.6	0.84
53	1.25	1	1	5.6	7.1	X	X	2800	11.08	15.87	1400	8.43	10.34	—	—	7.9	0.80	10.9	0.84
54	1.25	1	10	6.8	8.6	X	—	—	—	—	1400	11.37	13.51	—	—	—	—	—	—
55	1.25	1	1	7.1	9.0	X	X	—	—	—	1400	12.08	14.27	—	—	—	—	—	—
														B32		B41		B49	
56	1.25	1	10	7.4	9.4	X	X	—	—	—	1400	12.76	15.03	—	—	—	—	12.2	0.87
57	1.25	1	1	8.6	10.9	X	—	—	—	—	1400	15.37	17.92	—	—	—	—	—	—
58	1.25	1	2	9.0	11.4	X	—	—	—	—	1400	16.19	18.84	—	—	—	—	—	—
59	1.25	1	1	11.4	14.4	X	—	—	—	—	1400	20.45	23.85	—	—	—	—	—	—
60	1.26	1	2	3.8	4.9	X	—	2777	5.02	8.83	1388	3.82	5.95	10.1	0.81	14.6	0.85	18.6	0.88
														B28		B34		B40	
61	1.26	1	2	3.9	5.0	X	X	2777	5.33	9.15	1388	4.02	6.17	7.9	0.78	10.9	0.82	13.9	0.85
62	1.26	1	6	4.2	5.4	X	—	2777	6.27	10.09	1388	4.72	6.81	7.3	0.78	10.3	0.81	13.4	0.84
63	1.26	1	2	4.6	5.9	X	—	2777	7.64	11.78	1388	5.81	7.64	6.6	0.77	9.6	0.81	12.6	0.84
64	1.26	1	6	5.0	6.4	X	—	2777	9.11	13.49	1388	6.87	8.69	—	—	8.9	0.81	11.9	0.84
65	1.26	1	1	5.4	6.9	X	X	2777	10.46	15.10	1388	7.91	9.79	—	—	8.2	0.81	11.2	0.84
														B28		B34		B40	
66	1.26	1	10	5.8	7.4	X	—	2777	11.67	16.61	1388	8.93	10.88	—	—	—	—	10.5	0.84
67	1.26	1	1	6.2	7.9	X	—	2777	12.75	18.00	1388	9.93	11.95	—	—	—	—	9.8	0.83
68	1.26	1	2	6.6	8.4	X	X	2777	13.69	19.28	1388	10.90	12.99	—	—	—	—	9.1	0.83
69	1.26	1	1	7.0	8.9	X	—	—	—	—	1388	11.84	14.02	—	—	—	—	—	—
70	1.26	1	10	8.6	11.0	X	—	—	—	—	1388	15.37	17.92	—	—	—	—	—	—
														B28		B34		B40	
71	1.27	1	2	3.0	3.9	X	X	2755	2.25	6.06	1377	2.06	4.17	9.5	0.79	12.5	0.82	15.5	0.85
72	1.27	1	6	3.4	4.4	X	—	2755	3.68	7.49	1377	2.95	5.07	8.8	0.78	11.8	0.82	14.8	0.85
73	1.27	1	6	4.0	5.2	X	—	2755	5.68	9.47	1377	4.25	6.38	7.7	0.78	10.7	0.82	13.7	0.85
74	1.27	1	6	4.8	6.2	X	—	2755	8.39	12.65	1377	6.34	8.13	—	—	9.2	0.81	12.2	0.84
75	1.27	1	2	5.1	6.6	X	X	2755	9.46	13.90	1377	7.14	8.97	—	—	8.7	0.81	11.7	0.84

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc—Length Factor (F) using Browning Belts

Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
B64		**B74**		**B84**		**B94**		**B103**		**B112**		**B124**		**B136**		**B144**		
—	—	16.3	0.95	21.4	0.98	26.4	1.00	30.9	1.02	35.4	1.03	41.4	1.07	47.4	1.08	51.4	1.09	1
26.9	0.95	31.9	0.97	36.9	0.99	41.9	1.01	46.4	1.03	50.9	1.04	56.9	1.07	62.9	1.09	66.9	1.10	2
26.1	0.95	31.1	0.97	36.1	0.99	41.1	1.01	45.6	1.03	50.1	1.04	56.1	1.07	62.1	1.09	66.1	1.10	3
25.2	0.94	30.2	0.97	35.2	0.99	40.2	1.01	44.7	1.03	49.2	1.04	55.2	1.07	61.2	1.09	65.2	1.10	4
24.5	0.94	29.5	0.97	34.5	0.99	39.5	1.01	44.0	1.03	48.5	1.04	54.5	1.07	60.5	1.09	64.5	1.10	5
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
15.3	0.87	18.3	0.89	21.3	0.91	24.3	0.94	27.3	0.96	30.8	0.98	34.3	0.99	37.8	1.01	41.3	1.02	6
14.8	0.87	17.8	0.89	20.8	0.91	23.8	0.94	26.8	0.96	30.3	0.98	33.8	0.99	37.3	1.00	40.8	1.02	7
14.5	0.87	17.5	0.89	20.5	0.91	23.5	0.94	26.5	0.96	30.0	0.98	33.5	0.99	37.0	1.00	40.5	1.02	8
13.8	0.87	16.8	0.89	19.8	0.91	22.8	0.94	25.8	0.96	29.3	0.97	32.8	0.99	36.3	1.00	39.8	1.02	9
11.6	0.86	14.6	0.88	17.6	0.91	20.6	0.94	23.6	0.96	27.1	0.97	30.6	0.99	34.1	1.00	37.6	1.02	10
B56		**B64**		**B72**		**B80**		**B88**		**B96**		**B103**		**B112**		**B120**		
13.3	0.89	17.3	0.93	21.3	0.96	25.3	0.98	29.3	0.99	33.3	1.01	36.8	1.02	41.3	1.04	45.3	1.06	11
13.2	0.89	17.2	0.93	21.2	0.96	25.2	0.98	29.2	0.99	33.2	1.01	36.7	1.02	41.2	1.04	45.2	1.06	12
—	—	13.7	0.92	17.7	0.95	21.7	0.97	25.7	0.99	29.7	1.01	33.2	1.02	37.7	1.03	41.7	1.06	13
23.2	0.91	27.2	0.95	31.2	0.97	35.2	0.98	39.2	1.00	43.2	1.02	46.7	1.03	51.2	1.04	55.2	1.07	14
21.7	0.91	25.7	0.94	29.7	0.97	33.7	0.98	37.7	1.00	41.7	1.01	45.2	1.03	49.7	1.04	53.7	1.07	15
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
16.5	0.87	19.5	0.89	22.5	0.91	25.5	0.94	28.5	0.96	32.0	0.98	35.5	0.99	39.0	1.01	42.5	1.02	16
15.1	0.87	18.1	0.89	21.1	0.91	24.1	0.94	27.1	0.96	30.6	0.98	34.1	0.99	37.6	1.00	41.1	1.02	17
14.1	0.87	17.1	0.89	20.1	0.91	23.1	0.94	26.1	0.96	29.6	0.97	33.1	0.99	36.6	1.00	40.1	1.02	18
13.4	0.87	16.4	0.89	19.4	0.91	22.4	0.94	25.4	0.96	28.9	0.97	32.4	0.99	35.9	1.00	39.4	1.02	19
12.7	0.86	15.7	0.89	18.7	0.91	21.7	0.94	24.7	0.96	28.2	0.97	31.7	0.99	35.2	1.00	38.7	1.02	20
B56		**B64**		**B72**		**B80**		**B88**		**B96**		**B103**		**B112**		**B120**		
16.9	0.90	21.0	0.94	25.0	0.96	29.0	0.98	33.0	1.00	37.0	1.01	40.5	1.02	45.0	1.04	49.0	1.07	21
14.8	0.89	18.8	0.93	22.8	0.96	26.8	0.98	30.8	0.99	34.8	1.01	38.3	1.02	42.8	1.04	46.8	1.06	22
14.1	0.89	18.1	0.93	22.1	0.96	26.1	0.98	30.1	0.99	34.1	1.01	37.6	1.02	42.1	1.04	46.1	1.06	23
13.2	0.89	17.2	0.93	21.3	0.95	25.3	0.97	29.3	0.99	33.3	1.01	36.8	1.02	41.3	1.04	45.3	1.06	24
—	—	13.8	0.92	17.8	0.95	21.8	0.97	25.8	0.99	29.8	1.00	33.3	1.02	37.8	1.03	41.8	1.06	25
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
17.0	0.87	20.0	0.89	23.0	0.91	26.0	0.94	29.0	0.96	32.5	0.98	36.0	0.99	39.5	1.01	43.0	1.02	26
16.8	0.87	19.8	0.89	22.8	0.91	25.8	0.94	28.8	0.96	32.3	0.98	35.8	0.99	39.3	1.01	42.8	1.02	27
15.4	0.87	18.4	0.89	21.4	0.91	24.4	0.94	27.4	0.96	30.9	0.98	34.4	0.99	37.9	1.00	41.4	1.02	28
15.3	0.87	18.3	0.89	21.3	0.91	24.3	0.94	27.3	0.96	30.8	0.98	34.3	0.99	37.8	1.00	41.3	1.02	29
14.0	0.87	17.0	0.89	20.0	0.91	23.0	0.94	26.0	0.96	29.5	0.97	33.0	0.99	36.5	1.00	40.0	1.02	30
B64		**B74**		**B84**		**B94**		**B103**		**B112**		**B124**		**B136**		**B144**		
21.6	0.94	26.6	0.97	31.6	0.99	36.6	1.01	41.1	1.02	45.6	1.04	51.6	1.07	57.6	1.09	61.6	1.10	31
20.7	0.94	25.7	0.96	30.7	0.99	35.7	1.01	40.2	1.02	44.7	1.04	50.7	1.07	56.7	1.09	60.7	1.10	32
13.5	0.92	18.5	0.95	23.6	0.98	28.6	1.00	33.1	1.02	37.6	1.03	43.6	1.07	49.6	1.08	53.6	1.09	33
—	—	16.0	0.94	21.0	0.97	26.0	1.00	30.5	1.01	35.0	1.03	41.0	1.06	47.1	1.08	51.1	1.09	34
27.6	0.95	32.6	0.97	37.6	0.99	42.6	1.01	47.1	1.03	51.6	1.04	57.6	1.07	63.6	1.09	67.6	1.10	35
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
17.1	0.87	20.1	0.89	23.1	0.91	26.1	0.94	29.1	0.96	32.6	0.98	36.1	0.99	39.6	1.01	43.1	1.02	36
15.7	0.87	18.7	0.89	21.7	0.91	24.7	0.94	27.7	0.96	31.2	0.98	34.7	0.99	38.2	1.00	41.7	1.02	37
14.9	0.87	17.9	0.89	20.9	0.91	23.9	0.94	26.9	0.96	30.4	0.97	33.9	0.99	37.4	1.00	40.9	1.02	38
14.3	0.87	17.3	0.89	20.3	0.91	23.3	0.94	26.3	0.96	29.8	0.97	33.3	0.99	36.8	1.00	40.3	1.02	39
13.4	0.86	16.4	0.89	19.4	0.91	22.4	0.94	25.4	0.96	28.9	0.97	32.5	0.99	36.0	1.00	39.5	1.02	40
B56		**B64**		**B72**		**B80**		**B88**		**B96**		**B103**		**B112**		**B120**		
16.3	0.90	20.3	0.94	24.3	0.96	28.3	0.98	32.3	1.00	36.3	1.01	39.8	1.02	44.3	1.04	48.3	1.07	41
14.9	0.89	18.9	0.93	22.9	0.96	26.9	0.98	30.9	0.99	34.9	1.01	38.4	1.02	42.9	1.04	46.9	1.06	42
—	—	15.3	0.93	19.4	0.95	23.4	0.97	27.4	0.99	31.4	1.01	34.9	1.02	39.4	1.03	43.4	1.06	43
—	—	13.6	0.92	17.6	0.95	21.6	0.97	25.6	0.99	29.6	1.00	33.1	1.02	37.6	1.03	41.6	1.06	44
23.2	0.91	27.2	0.95	31.2	0.97	35.2	0.98	39.2	1.00	43.2	1.02	46.7	1.03	51.2	1.04	55.2	1.07	45
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
17.5	0.87	20.5	0.89	23.5	0.91	26.5	0.94	29.5	0.96	33.0	0.98	36.5	0.99	40.0	1.01	43.5	1.02	46
16.7	0.87	19.7	0.89	22.7	0.91	25.8	0.94	28.8	0.96	32.3	0.98	35.8	0.99	39.3	1.01	42.8	1.02	47
16.6	0.87	19.6	0.89	22.6	0.91	25.6	0.94	28.6	0.96	32.1	0.98	35.6	0.99	39.1	1.01	42.6	1.02	48
16.0	0.87	19.0	0.89	22.0	0.91	25.0	0.94	28.0	0.96	31.5	0.98	35.0	0.99	38.5	1.00	42.0	1.02	49
15.3	0.87	18.3	0.89	21.3	0.91	24.3	0.94	27.3	0.96	30.8	0.97	34.3	0.99	37.8	1.00	41.3	1.02	50
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
15.2	0.87	18.2	0.89	21.2	0.91	24.2	0.94	27.2	0.96	30.7	0.97	34.2	0.99	37.7	1.00	41.2	1.02	51
14.6	0.87	17.6	0.89	20.6	0.91	23.6	0.94	26.6	0.96	30.1	0.97	33.6	0.99	37.1	1.00	40.6	1.02	52
13.9	0.86	16.9	0.89	19.9	0.91	22.9	0.94	25.9	0.96	29.4	0.97	32.9	0.99	36.4	1.00	39.9	1.02	53
11.8	0.86	14.8	0.88	17.8	0.90	20.8	0.94	23.8	0.95	27.3	0.97	30.8	0.99	34.3	1.00	37.8	1.01	54
11.2	0.86	14.2	0.88	17.2	0.90	20.2	0.94	23.2	0.95	26.7	0.97	30.2	0.99	33.7	1.00	37.2	1.01	55
B58		**B67**		**B76**		**B85**		**B94**		**B103**		**B112**		**B120**		**B128**		
16.7	0.90	21.2	0.94	25.7	0.97	30.2	0.99	34.7	1.01	39.2	1.02	43.7	1.04	47.7	1.06	51.7	1.08	56
14.5	0.90	19.1	0.94	23.6	0.96	28.1	0.98	32.6	1.00	37.1	1.02	41.6	1.04	45.6	1.06	49.6	1.07	57
13.8	0.89	18.3	0.94	22.9	0.96	27.4	0.98	31.9	1.00	36.4	1.02	40.9	1.03	44.9	1.06	48.9	1.07	58
—	—	14.1	0.92	18.6	0.95	23.1	0.98	27.6	1.00	32.1	1.01	36.6	1.03	40.6	1.06	44.6	1.07	59
23.1	0.91	27.6	0.95	32.1	0.97	36.6	0.99	41.1	1.01	45.6	1.03	50.1	1.04	54.1	1.07	58.1	1.08	60
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
16.9	0.87	19.9	0.89	22.9	0.91	25.9	0.94	28.9	0.96	32.4	0.98	35.9	0.99	39.4	1.01	42.9	1.02	61
16.4	0.87	19.4	0.89	22.4	0.91	25.4	0.94	28.4	0.96	31.9	0.98	35.4	0.99	38.9	1.00	42.4	1.02	62
15.6	0.87	18.6	0.89	21.6	0.91	24.6	0.94	27.6	0.96	31.2	0.98	34.7	0.99	38.2	1.00	41.7	1.02	63
14.9	0.87	17.9	0.89	20.9	0.91	23.9	0.94	26.9	0.96	30.4	0.97	33.9	0.99	37.4	1.00	40.9	1.02	64
14.2	0.87	17.2	0.89	20.2	0.91	23.2	0.94	26.2	0.96	29.7	0.97	33.2	0.99	36.7	1.00	40.2	1.02	65
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
13.5	0.86	16.5	0.89	19.5	0.91	22.5	0.94	25.5	0.96	29.0	0.97	32.5	0.99	36.0	1.00	39.5	1.02	66
12.8	0.86	15.8	0.89	18.8	0.91	21.8	0.94	24.8	0.95	28.3	0.97	31.8	0.99	35.3	1.00	38.8	1.02	67
12.1	0.86	15.1	0.88	18.1	0.90	21.1	0.94	24.1	0.95	27.6	0.97	31.1	0.99	34.6	1.00	38.1	1.01	68
11.4	0.86	14.4	0.88	17.4	0.90	20.4	0.94	23.4	0.95	26.9	0.97	30.4	0.99	33.9	1.00	37.4	1.01	69
—	—	11.5	0.87	14.5	0.89	17.5	0.93	20.5	0.95	24.0	0.97	27.5	0.98	31.0	1.00	34.5	1.01	70
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
18.5	0.87	21.5	0.89	24.5	0.91	27.5	0.95	30.5	0.96	34.0	0.98	37.5	0.99	41.0	1.01	44.5	1.02	71
17.8	0.87	20.8	0.89	23.8	0.91	26.8	0.94	29.8	0.96	33.3	0.98	36.8	0.99	40.3	1.01	43.8	1.02	72
16.7	0.87	19.7	0.89	22.7	0.91	25.7	0.94	28.7	0.96	32.2	0.98	35.7	0.99	39.2	1.00	42.7	1.02	73
15.2	0.87	18.3	0.89	21.3	0.91	24.3	0.94	27.3	0.96	30.8	0.97	34.3	0.99	37.8	1.00	41.3	1.02	74
14.7	0.87	17.7	0.89	20.7	0.91	23.7	0.94	26.7	0.96	30.2	0.97	33.7	0.99	37.2	1.00	40.7	1.02	75

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Datum Diameter Driver	Datum Diameter Driven	Type Fix.	Type Var.	Nominal Driven Speeds and Horsepower per Belt — 3500 RPM Driver: Nominal Driven Speed	3500 RPM Driver: HP per Belt Super	3500 RPM Driver: HP per Belt Gripnotch	1750 RPM Driver: Nominal Driven Speed	1750 RPM Driver: HP per Belt Super	1750 RPM Driver: HP per Belt Gripnotch	Center Distance in Inches and "F" Factor for Browning Belts: Belt No.	C.D.	F	Belt No.	C.D.	F	Belt No.	C.D.	F
														B28			B35			B42		
1	1.27	1	10	6.2	8.0	X	—	2755	12.75	18.00	1377	9.93	11.95	—	—		—	—		10.7	0.84	
2	1.27	1	1	6.9	8.9	X	X	—	—	—	1377	11.61	13.77	—	—		—	—		9.4	0.84	
3	1.27	1	10	7.0	9.0	X	—	—	—	—	1377	11.84	14.02	—	—		—	—		9.3	0.83	
4	1.27	1	1	8.9	11.4	X	—	—	—	—	1377	15.99	18.61	—	—		—	—		—	—	
5	1.28	1	2	3.2	4.2	X	—	2734	3.00	6.78	1367	2.52	4.62	9.1	0.78		12.6	0.82		16.1	0.86	
														B28			B34			B40		
6	1.28	1	2	3.9	5.1	X	X	2734	5.37	9.15	1367	4.05	6.17	7.8	0.78		10.8	0.82		13.8	0.85	
7	1.28	1	6	4.6	6.0	X	—	2734	7.64	11.78	1367	5.81	7.64	6.5	0.77		9.6	0.81		12.6	0.84	
8	1.28	1	2	4.9	6.4	X	X	2734	8.76	13.07	1367	6.61	8.41	—	—		9.0	0.81		12.0	0.84	
9	1.28	1	10	5.4	7.0	X	X	2734	10.46	15.10	1367	7.91	9.79	—	—		8.1	0.80		11.1	0.84	
10	1.28	1	1	6.1	7.9	X	X	2734	12.50	17.66	1367	9.68	11.68	—	—		—	—		9.9	0.83	
														B34			B44			B54		
11	1.28	1	10	6.6	8.6	X	X	2734	13.69	19.28	1367	10.90	12.99	—	—		10.9	0.85		15.9	0.89	
12	1.28	1	2	8.0	10.4	X	—	—	—	—	1367	14.10	16.50	—	—		—	—		13.4	0.88	
13	1.28	1	1	8.4	10.9	X	X	—	—	—	1367	14.96	17.45	—	—		—	—		12.7	0.88	
14	1.28	1	2	10.4	13.4	X	—	—	—	—	1367	18.81	21.87	—	—		—	—		—	—	
15	1.28	1	6	12.4	16.0	X	—	—	—	—	1367	21.89	25.67	—	—		—	—		—	—	
														B28			B34			B40		
16	1.29	1	6	3.8	5.0	X	—	2713	5.06	8.83	1356	3.84	5.95	8.0	0.78		11.0	0.82		14.0	0.85	
17	1.29	1	2	4.1	5.4	X	—	2713	6.02	9.78	1356	4.48	6.59	7.4	0.78		10.4	0.81		13.4	0.84	
18	1.29	1	6	4.4	5.8	X	—	2713	6.92	10.89	1356	5.27	7.23	6.9	0.77		9.9	0.81		12.9	0.84	
19	1.29	1	6	5.2	6.8	X	—	2713	9.80	14.31	1356	7.40	9.24	—	—		8.4	0.80		11.5	0.84	
20	1.29	1	1	5.4	7.1	X	X	2713	10.46	15.10	1356	7.91	9.79	—	—		8.0	0.80		11.1	0.84	
														B28			B34			B40		
21	1.29	1	2	6.1	8.0	X	X	2713	12.50	17.66	1356	9.68	11.68	—	—		—	—		9.8	0.83	
22	1.29	1	2	6.4	8.4	X	X	2713	13.24	18.66	1356	10.41	12.47	—	—		—	—		9.2	0.83	
23	1.29	1	1	6.8	8.9	X	—	—	—	—	1356	11.37	13.51	—	—		—	—		—	—	
24	1.29	1	1	6.9	9.0	X	X	—	—	—	1356	11.61	13.77	—	—		—	—		—	—	
25	1.29	1	2	8.4	11.0	X	X	—	—	—	1356	14.96	17.45	—	—		—	—		—	—	
														B32			B40			B48		
26	1.29	1	2	10.4	13.6	X	—	—	—	—	1356	18.81	21.87	—	—		—	—		—	—	
27	1.30	1	2	3.0	4.0	X	X	2692	2.30	6.28	1346	2.09	4.28	11.4	0.81		15.4	0.85		19.4	0.88	
28	1.30	1	6	3.6	4.8	X	—	2692	4.42	8.39	1346	3.42	5.63	10.3	0.81		14.3	0.85		18.3	0.88	
29	1.30	1	2	3.9	5.2	X	X	2692	5.41	9.38	1346	4.07	6.28	9.7	0.80		13.7	0.84		17.7	0.88	
30	1.30	1	2	4.6	6.1	X	—	2692	7.64	11.78	1346	5.81	7.75	8.5	0.80		12.5	0.84		16.5	0.87	
														B28			B34			B40		
31	1.30	1	6	5.0	6.6	X	—	2692	9.11	13.49	1346	6.87	8.69	—	—		8.8	0.81		11.8	0.84	
32	1.30	1	1	5.2	6.9	X	—	2692	9.80	14.31	1346	7.40	9.24	—	—		8.4	0.80		11.4	0.84	
33	1.30	1	10	5.6	7.4	X	X	2692	11.08	15.87	1346	8.43	10.34	—	—		7.6	0.80		10.7	0.83	
34	1.30	1	1	6.0	7.9	X	X	2692	12.23	17.32	1346	9.43	11.42	—	—		—	—		9.9	0.83	
35	1.30	1	10	6.8	9.0	X	—	—	—	—	1346	11.37	13.51	—	—		—	—		—	—	
														B34			B43			B52		
36	1.30	1	1	7.9	10.4	X	—	—	—	—	1346	13.88	16.26	—	—		—	—		12.5	0.87	
37	1.30	1	10	9.4	12.4	X	X	—	—	—	1346	16.97	19.74	—	—		—	—		—	—	
38	1.30	1	1	11.0	14.4	X	—	—	—	—	1346	19.82	23.08	—	—		—	—		—	—	
39	1.30	3	2	11.4	15.0	X	—	—	—	—	1346	20.45	23.85	—	—		—	—		—	—	
40	1.31	1	2	3.8	5.1	X	—	2671	5.10	9.05	1335	3.86	6.06	10.9	0.81		15.4	0.86		19.9	0.89	
														B28			B34			B40		
41	1.31	1	6	4.2	5.6	X	—	2671	6.35	10.31	1335	4.72	6.92	7.2	0.77		10.2	0.81		13.2	0.84	
42	1.31	1	2	4.4	5.9	X	—	2671	6.95	10.91	1335	5.27	7.34	6.8	0.77		9.8	0.81		12.8	0.84	
43	1.31	1	6	4.8	6.4	X	—	2671	8.39	12.65	1335	6.34	8.16	—	—		9.1	0.81		12.1	0.84	
44	1.31	1	2	5.1	6.8	X	X	2671	9.46	13.90	1335	7.14	8.97	—	—		8.5	0.80		11.5	0.84	
45	1.31	1	10	6.0	8.0	X	X	2671	12.23	17.32	1335	9.43	11.42	—	—		—	—		9.9	0.83	
														B32			B41			B49		
46	1.31	1	1	7.1	9.4	X	X	—	—	—	1335	12.08	14.27	—	—		—	—		12.4	0.86	
47	1.31	1	2	8.6	11.4	X	—	—	—	—	1335	15.37	17.92	—	—		—	—		—	—	
48	1.31	1	1	10.9	14.4	X	—	—	—	—	1335	19.66	22.88	—	—		—	—		—	—	
49	1.32	1	6	3.4	4.6	X	—	2651	3.76	7.71	1325	2.99	5.18	10.6	0.81		15.1	0.85		19.1	0.88	
50	1.32	1	6	4.0	5.4	X	—	2651	5.75	9.69	1325	4.29	6.49	9.5	0.80		14.0	0.85		18.0	0.88	
														B28			B34			B40		
51	1.32	1	6	4.6	6.2	X	—	2651	7.78	11.78	1325	5.88	7.75	—	—		9.4	0.81		12.4	0.84	
52	1.32	1	2	4.9	6.6	X	X	2651	8.89	13.07	1325	6.68	8.41	—	—		8.8	0.80		11.8	0.84	
53	1.32	1	6	5.2	7.0	X	—	2651	9.94	14.31	1325	7.47	9.24	—	—		8.3	0.80		11.3	0.83	
54	1.32	1	1	5.9	7.9	X	X	2651	12.10	16.97	1325	9.25	11.15	—	—		—	—		10.0	0.83	
55	1.32	1	10	6.4	8.6	X	X	2651	13.38	18.66	1325	10.48	12.47	—	—		—	—		9.1	0.82	
														B28			B34			B40		
56	1.32	1	10	7.0	9.4	X	—	—	—	—	1325	11.91	14.02	—	—		—	—		—	—	
57	1.32	1	1	7.4	9.9	X	X	—	—	—	1325	12.83	15.03	—	—		—	—		—	—	
58	1.33	1	2	3.0	4.1	X	X	2631	2.34	6.28	1315	2.11	4.28	9.3	0.78		12.3	0.82		15.3	0.85	
59	1.33	1	2	3.6	4.9	X	—	2631	4.46	8.39	1315	3.44	5.63	8.2	0.78		11.2	0.81		14.2	0.84	
60	1.33	1	6	5.0	6.8	X	—	2631	9.25	13.49	1315	6.94	8.69	—	—		8.6	0.80		11.6	0.84	
														B28			B34			B40		
61	1.33	1	1	5.1	6.9	X	X	2631	9.60	13.90	1315	7.20	8.97	—	—		8.4	0.80		11.4	0.84	
62	1.33	1	2	5.9	8.0	X	X	2631	12.10	16.97	1315	9.25	11.15	—	—		—	—		9.9	0.83	
63	1.33	1	2	6.2	8.4	X	—	2631	12.89	18.00	1315	10.00	11.95	—	—		—	—		9.4	0.82	
64	1.33	1	1	6.6	8.9	X	X	2631	13.83	19.28	1315	10.97	12.99	—	—		—	—		—	—	
65	1.34	1	2	3.2	4.4	X	—	2611	3.08	7.01	1305	2.56	4.74	8.9	0.78		11.9	0.82		14.9	0.85	
														B28			B34			B40		
66	1.34	1	6	3.8	5.2	X	—	2611	5.14	9.05	1305	3.87	6.06	7.8	0.78		10.8	0.81		13.8	0.84	
67	1.34	1	2	4.1	5.6	X	—	2611	6.09	10.01	1305	4.56	6.71	7.2	0.77		10.3	0.81		13.3	0.84	
68	1.34	1	6	4.4	6.0	X	—	2611	7.08	11.08	1305	5.38	7.34	6.7	0.77		9.7	0.81		12.7	0.84	
69	1.34	1	1	5.2	7.1	X	—	2611	10.02	14.50	1305	7.51	9.34	—	—		8.2	0.80		11.2	0.83	
70	1.34	1	1	5.8	7.9	X	—	2611	11.89	16.80	1305	9.04	10.97	—	—		—	—		10.1	0.83	
														B32			B40			B48		
71	1.34	1	10	6.6	9.0	X	X	2611	13.91	19.47	1305	11.01	13.09	—	—		—	—		12.6	0.86	
72	1.34	1	1	6.9	9.4	X	X	—	—	—	1305	11.72	13.86	—	—		—	—		12.0	0.86	
73	1.34	1	1	8.0	10.9	X	—	—	—	—	1305	14.21	16.59	—	—		—	—		—	—	
74	1.34	1	2	8.4	11.4	X	X	—	—	—	1305	15.06	17.55	—	—		—	—		—	—	
75	1.34	1	1	9.9	13.4	X	—	—	—	—	1305	18.03	20.92	—	—		—	—		—	—	

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts

Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D. F		C.D.	F	C.D.	F	C.D.	F	
B49		**B56**		**B63**		**B70**		**B77**		**B84**		**B91**		**B98**		**B105**		
14.2	0.87	17.7	0.90	21.2	0.93	24.7	0.95	28.2	0.97	31.7	0.99	35.2	1.00	38.7	1.01	42.2	1.03	1
13.0	0.87	16.5	0.90	20.0	0.93	23.5	0.95	27.0	0.97	30.5	0.99	34.0	1.00	37.5	1.01	41.0	1.03	2
12.8	0.87	16.3	0.89	19.8	0.93	23.3	0.95	26.8	0.97	30.3	0.99	33.8	1.00	37.3	1.01	40.8	1.03	3
—	—	12.9	0.88	16.4	0.92	19.9	0.95	23.4	0.96	26.9	0.98	30.4	1.00	33.9	1.01	37.4	1.02	4
19.6	0.88	23.1	0.91	26.6	0.94	30.1	0.96	33.6	0.98	37.1	0.99	40.6	1.01	44.1	1.02	47.6	1.03	5
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
16.8	0.87	19.8	0.89	22.8	0.91	25.8	0.94	28.8	0.96	32.3	0.98	35.8	0.99	39.3	1.00	42.8	1.02	6
15.6	0.87	18.6	0.89	21.6	0.91	24.6	0.94	27.6	0.96	31.1	0.97	34.6	0.99	38.1	1.00	41.6	1.02	7
15.0	0.87	18.0	0.89	21.0	0.91	24.0	0.94	27.0	0.96	30.5	0.97	34.0	0.99	37.5	1.00	41.0	1.02	8
14.1	0.86	17.1	0.89	20.2	0.91	23.2	0.94	26.2	0.96	29.7	0.97	33.2	0.99	36.7	1.00	40.2	1.02	9
12.9	0.86	15.9	0.88	18.9	0.90	21.9	0.94	24.9	0.95	28.4	0.97	31.9	0.99	35.4	1.00	38.9	1.01	10
B64		**B74**		**B84**		**B94**		**B103**		**B112**		**B124**		**B136**		**B144**		
20.9	0.94	25.9	0.96	31.0	0.99	36.0	1.01	40.5	1.02	45.0	1.04	51.0	1.07	57.0	1.09	61.0	1.10	11
18.4	0.93	23.4	0.96	28.4	0.98	33.4	1.00	37.9	1.02	42.4	1.04	48.4	1.07	54.4	1.09	58.4	1.10	12
17.7	0.93	22.7	0.96	27.7	0.98	32.7	1.00	37.2	1.02	41.7	1.03	47.7	1.07	53.7	1.08	57.7	1.09	13
14.1	0.92	19.2	0.95	24.2	0.98	29.2	1.00	33.7	1.02	38.2	1.03	44.2	1.07	50.2	1.08	54.2	1.09	14
—	—	15.5	0.94	20.5	0.97	25.5	0.99	30.1	1.01	34.6	1.03	40.6	1.06	46.6	1.08	50.6	1.09	15
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
17.0	0.87	20.0	0.89	23.0	0.91	26.0	0.94	29.0	0.96	32.5	0.98	36.0	0.99	39.5	1.00	43.0	1.02	16
16.4	0.87	19.4	0.89	22.4	0.91	25.4	0.94	28.4	0.96	31.9	0.98	35.4	0.99	38.9	1.00	42.4	1.02	17
15.9	0.87	18.9	0.89	21.9	0.91	24.9	0.94	27.9	0.96	31.4	0.97	34.9	0.99	38.4	1.00	41.9	1.02	18
14.5	0.86	17.5	0.89	20.5	0.91	23.5	0.94	26.5	0.96	30.0	0.97	33.5	0.99	37.0	1.00	40.5	1.02	19
14.1	0.86	17.1	0.89	20.1	0.91	23.1	0.94	26.1	0.96	29.6	0.97	33.1	0.99	36.6	1.00	40.1	1.02	20
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
12.8	0.86	15.8	0.88	18.8	0.90	21.8	0.94	24.8	0.95	28.3	0.97	31.8	0.99	35.3	1.00	38.8	1.01	21
12.2	0.86	15.2	0.88	18.3	0.90	21.3	0.94	24.3	0.95	27.8	0.97	31.3	0.99	34.8	1.00	38.3	1.01	22
11.5	0.85	14.5	0.88	17.5	0.90	20.5	0.93	23.6	0.95	27.1	0.97	30.6	0.99	34.1	1.00	37.6	1.01	23
11.4	0.85	14.4	0.88	17.4	0.90	20.4	0.93	23.4	0.95	26.9	0.97	30.4	0.99	33.9	1.00	37.4	1.01	24
—	—	11.6	0.87	14.6	0.89	17.6	0.93	20.6	0.95	24.1	0.96	27.6	0.98	31.1	1.00	34.6	1.01	25
B56		**B64**		**B72**		**B80**		**B88**		**B96**		**B103**		**B112**		**B120**		
—	—	14.0	0.91	18.0	0.94	22.0	0.96	26.0	0.98	30.0	1.00	33.5	1.01	38.0	1.03	42.0	1.06	26
23.4	0.91	27.4	0.95	31.4	0.97	35.4	0.98	39.4	1.00	43.4	1.02	46.9	1.03	51.4	1.04	55.4	1.07	27
22.3	0.91	26.3	0.94	30.3	0.96	34.3	0.98	38.3	1.00	42.3	1.01	45.8	1.03	50.3	1.04	54.3	1.07	28
21.7	0.90	25.7	0.94	29.7	0.96	33.8	0.98	37.8	1.00	41.8	1.01	45.3	1.03	49.8	1.04	53.8	1.07	29
20.5	0.90	24.5	0.94	28.5	0.96	32.5	0.98	36.5	1.00	40.5	1.01	44.0	1.03	48.5	1.04	52.5	1.07	30
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
14.8	0.86	17.8	0.89	20.8	0.91	23.8	0.94	26.8	0.96	30.3	0.97	33.8	0.99	37.3	1.00	40.8	1.02	31
14.4	0.86	17.4	0.89	20.4	0.91	23.4	0.94	26.4	0.96	29.9	0.97	33.4	0.99	36.9	1.00	40.4	1.02	32
13.7	0.86	16.7	0.88	19.7	0.91	22.7	0.94	25.7	0.95	29.2	0.97	32.7	0.99	36.2	1.00	39.7	1.01	33
13.0	0.86	16.0	0.88	19.0	0.90	22.0	0.94	25.0	0.95	28.5	0.97	32.0	0.99	35.5	1.00	39.0	1.01	34
11.4	0.85	14.5	0.88	17.5	0.90	20.5	0.93	23.5	0.95	27.0	0.97	30.5	0.98	34.0	1.00	37.5	1.01	35
B61		**B70**		**B79**		**B88**		**B98**		**B108**		**B116**		**B124**		**B136**		
17.0	0.91	21.5	0.95	26.0	0.97	30.5	0.99	35.5	1.01	40.5	1.03	44.5	1.06	48.5	1.07	54.5	1.08	36
14.2	0.90	18.7	0.94	23.2	0.97	27.7	0.99	32.8	1.01	37.8	1.03	41.8	1.05	45.8	1.07	51.8	1.08	37
—	—	15.9	0.93	20.4	0.96	24.9	0.98	29.9	1.00	34.9	1.02	38.9	1.05	42.9	1.06	48.9	1.08	38
—	—	15.1	0.93	19.6	0.96	24.1	0.98	29.1	1.00	34.1	1.02	38.1	1.05	42.1	1.06	48.1	1.08	39
24.4	0.92	28.9	0.96	33.4	0.98	37.9	1.00	42.9	1.02	47.9	1.03	51.9	1.06	55.9	1.07	61.9	1.09	40
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
16.2	0.87	19.2	0.89	22.2	0.91	25.2	0.94	28.2	0.96	31.7	0.97	35.2	0.99	38.7	1.00	42.2	1.02	41
15.8	0.87	18.8	0.89	21.8	0.91	24.8	0.94	27.8	0.96	31.3	0.97	34.8	0.99	38.3	1.00	41.8	1.02	42
15.1	0.87	18.1	0.89	21.1	0.91	24.1	0.94	27.1	0.96	30.6	0.97	34.1	0.99	37.6	1.00	41.1	1.02	43
14.5	0.86	17.5	0.89	20.5	0.91	23.5	0.94	26.5	0.96	30.0	0.97	33.5	0.99	37.0	1.00	40.5	1.02	44
12.9	0.86	15.9	0.88	18.9	0.90	21.9	0.94	24.9	0.95	28.4	0.97	31.9	0.99	35.4	1.00	38.9	1.01	45
B58		**B67**		**B76**		**B85**		**B94**		**B103**		**B112**		**B120**		**B128**		
16.9	0.90	21.4	0.94	25.9	0.97	30.4	0.99	34.9	1.00	39.4	1.02	43.9	1.04	47.9	1.06	51.9	1.07	46
14.1	0.89	18.6	0.93	23.2	0.97	27.7	0.98	32.2	1.00	36.7	1.02	41.2	1.03	45.2	1.06	49.2	1.07	47
—	—	14.4	0.92	19.0	0.96	23.5	0.97	28.0	0.99	32.5	1.01	37.0	1.03	41.0	1.06	45.0	1.07	48
23.6	0.91	28.1	0.95	32.6	0.97	37.1	0.99	41.6	1.01	46.1	1.03	50.6	1.04	54.6	1.07	58.6	1.08	49
22.5	0.91	27.0	0.95	31.5	0.97	36.0	0.99	40.5	1.01	45.0	1.03	49.5	1.04	53.5	1.07	57.5	1.08	50
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
15.4	0.87	18.4	0.89	21.4	0.91	24.4	0.94	27.4	0.96	30.9	0.97	34.4	0.99	37.9	1.00	41.4	1.02	51
14.8	0.86	17.9	0.89	20.9	0.91	23.9	0.94	26.9	0.96	30.4	0.97	33.9	0.99	37.4	1.00	40.9	1.02	52
14.3	0.86	17.3	0.89	20.3	0.91	23.3	0.94	26.3	0.95	29.8	0.97	33.3	0.99	36.8	1.00	40.3	1.01	53
13.0	0.86	16.0	0.88	19.0	0.90	22.0	0.94	25.0	0.95	28.5	0.97	32.1	0.99	35.6	1.00	39.1	1.01	54
12.1	0.85	15.1	0.88	18.1	0.90	21.1	0.93	24.1	0.95	27.6	0.97	31.1	0.98	34.6	1.00	38.1	1.01	55
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
11.0	0.85	14.0	0.88	17.0	0.90	20.0	0.93	23.0	0.95	26.5	0.97	30.0	0.98	33.5	1.00	37.0	1.01	56
10.2	0.85	13.3	0.87	16.3	0.90	19.3	0.93	22.3	0.95	25.8	0.97	29.3	0.98	32.8	1.00	36.3	1.01	57
18.3	0.87	21.3	0.89	24.3	0.91	27.3	0.94	30.3	0.96	33.8	0.98	37.3	0.99	40.8	1.01	44.3	1.02	58
17.2	0.87	20.2	0.89	23.2	0.91	26.2	0.94	29.2	0.96	32.7	0.98	36.2	0.99	39.7	1.00	43.2	1.02	59
14.6	0.86	17.6	0.89	20.6	0.91	23.6	0.94	26.6	0.96	30.1	0.97	33.6	0.99	37.1	1.00	40.6	1.02	60
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
14.5	0.86	17.5	0.89	20.5	0.91	23.5	0.94	26.5	0.95	30.0	0.97	33.5	0.99	37.0	1.00	40.5	1.01	61
12.9	0.86	16.0	0.88	19.0	0.90	22.0	0.94	25.0	0.95	28.5	0.97	32.0	0.99	35.5	1.00	39.0	1.01	62
12.4	0.85	15.4	0.88	18.4	0.90	21.4	0.93	24.4	0.95	27.9	0.97	31.4	0.98	34.9	1.00	38.4	1.01	63
11.7	0.85	14.7	0.88	17.7	0.90	20.7	0.93	23.7	0.95	27.2	0.97	30.7	0.98	34.2	1.00	37.7	1.01	64
17.9	0.87	20.9	0.89	23.9	0.91	26.9	0.94	29.9	0.96	33.4	0.98	36.9	0.99	40.4	1.01	43.9	1.02	65
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
16.8	0.87	19.8	0.89	22.8	0.91	25.8	0.94	28.8	0.96	32.3	0.97	35.8	0.99	39.3	1.00	42.8	1.02	66
16.3	0.87	19.3	0.89	22.3	0.91	25.3	0.94	28.3	0.96	31.8	0.97	35.3	0.99	38.8	1.00	42.3	1.02	67
15.7	0.87	18.7	0.89	21.7	0.91	24.7	0.94	27.7	0.96	31.2	0.97	34.7	0.99	38.2	1.00	41.7	1.02	68
14.2	0.86	17.2	0.88	20.2	0.90	23.2	0.94	26.2	0.95	29.7	0.97	33.2	0.99	36.7	1.00	40.2	1.01	69
13.1	0.86	16.1	0.88	19.1	0.90	22.1	0.94	25.1	0.95	28.6	0.97	32.1	0.99	35.6	1.00	39.1	1.01	70
B56		**B64**		**B72**		**B80**		**B88**		**B96**		**B103**		**B112**		**B120**		
16.6	0.89	20.6	0.93	24.6	0.95	28.6	0.97	32.6	0.99	36.6	1.01	40.1	1.02	44.6	1.04	48.6	1.06	71
16.1	0.89	20.1	0.93	24.1	0.95	28.1	0.97	32.1	0.99	36.1	1.01	39.6	1.02	44.1	1.04	48.1	1.06	72
14.0	0.88	18.0	0.93	22.0	0.95	26.0	0.97	30.0	0.99	34.0	1.00	37.5	1.02	42.0	1.03	46.0	1.06	73
13.3	0.88	17.3	0.92	21.3	0.95	25.3	0.97	29.3	0.99	33.3	1.00	36.8	1.02	41.3	1.03	45.3	1.06	74
—	—	14.5	0.91	18.5	0.94	22.5	0.96	26.6	0.98	30.6	1.00	34.1	1.01	38.6	1.03	42.6	1.06	75

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Datum Diameter Driver	Datum Diameter Driven	Type Fix.	Type Var.	Nominal Driven Speeds and Horsepower per Belt — 3500 RPM Driver: Nominal Driven Speed	3500 RPM Driver: HP per Belt Super	3500 RPM Driver: HP per Belt Gripnotch	1750 RPM Driver: Nominal Driven Speed	1750 RPM Driver: HP per Belt Super	1750 RPM Driver: HP per Belt Gripnotch	Center Distance in Inches and "F" Factor for Browning Belts: Belt No	C.D.	F	Belt No	C.D.	F	Belt No	C.D.	F
														B38			B50			B62		
1	1.34	1	2	11.4	15.4	X	—	—	—	—	1305	20.56	23.95	—	—		—	—		—	—	
2	1.34	1	10	13.6	18.4	X	—	—	—	—	1305	23.43	27.70	—	—		—	—		—	—	
3	1.35	1	6	3.6	5.0	X	—	2592	4.50	8.39	1296	3.45	5.63	13.1	0.83		19.1	0.88		25.1	0.94	
4	1.35	1	2	3.9	5.4	X	X	2592	5.48	9.38	1296	4.10	6.28	12.6	0.83		18.6	0.88		24.6	0.94	
5	1.35	1	6	4.2	5.8	X	—	2592	6.41	10.31	1296	4.83	6.92	12.0	0.83		18.0	0.88		24.0	0.94	
														B28			B34			B40		
6	1.35	1	6	4.8	6.6	X	—	2592	8.61	12.84	1296	6.45	8.22	—	—		8.9	0.80		11.9	0.84	
7	1.35	1	1	5.0	6.9	X	—	2592	9.33	13.68	1296	6.98	8.78	—	—		8.5	0.80		11.5	0.83	
8	1.35	1	2	5.1	7.0	X	X	2592	9.68	14.09	1296	7.24	9.06	—	—		8.3	0.80		11.4	0.83	
9	1.35	1	10	5.4	7.4	X	X	2592	10.68	15.29	1296	8.02	9.89	—	—		7.8	0.80		10.8	0.83	
10	1.35	1	2	6.1	8.4	X	X	2592	12.72	17.85	1296	9.79	11.78	—	—		—	—		9.4	0.82	
														B34			B43			B52		
11	1.35	3	2	11.0	15.0	X	—	—	—	—	1296	19.93	23.18	—	—		—	—		—	—	
12	1.36	1	2	3.0	4.2	X	X	2573	2.38	6.28	1286	2.13	4.28	12.2	0.82		16.7	0.86		21.2	0.89	
13	1.36	1	2	4.4	6.1	X	—	2573	7.08	11.08	1286	5.38	7.34	9.6	0.81		14.1	0.85		18.6	0.89	
14	1.36	1	6	4.6	6.4	X	—	2573	7.86	11.97	1286	5.92	7.75	9.2	0.80		13.7	0.85		18.2	0.89	
15	1.36	1	2	4.9	6.8	X	X	2573	8.97	13.26	1286	6.72	8.50	8.7	0.80		13.2	0.85		17.7	0.89	
														B28			B34			B40		
16	1.36	1	10	5.8	8.0	X	—	2573	11.89	16.80	1286	9.04	10.97	—	—		—	—		10.0	0.83	
17	1.36	1	10	6.2	8.6	X	—	2573	12.97	18.19	1286	10.04	12.04	—	—		—	—		9.2	0.82	
18	1.36	1	10	6.8	9.4	X	—	—	—	—	1286	11.48	13.60	—	—		—	—		—	—	
19	1.36	1	1	7.9	10.9	X	—	—	—	—	1286	13.99	16.35	—	—		—	—		—	—	
20	1.36	1	10	8.0	11.0	X	—	—	—	—	1286	14.21	16.59	—	—		—	—		—	—	
														B38			B50			B62		
21	1.36	1	10	9.0	12.4	X	—	—	—	—	1286	16.30	18.93	—	—		—	—		15.0	0.91	
22	1.36	1	1	9.9	13.6	X	—	—	—	—	1286	18.03	20.92	—	—		—	—		13.3	0.90	
23	1.36	1	2	13.4	18.4	X	—	—	—	—	1286	23.21	27.40	—	—		—	—		—	—	
24	1.37	1	6	3.4	4.8	X	—	2554	3.84	7.71	1277	3.03	5.18	13.4	0.83		19.5	0.88		25.5	0.94	
25	1.37	1	6	4.0	5.6	X	—	2554	5.82	9.69	1277	4.32	6.49	12.3	0.83		18.3	0.88		24.4	0.94	
														B28			B34			B40		
26	1.37	1	2	4.2	5.9	X	—	2554	6.44	10.31	1277	4.83	6.92	6.9	0.77		9.9	0.81		12.9	0.84	
27	1.37	1	6	5.0	7.0	X	—	2554	9.33	13.68	1277	6.98	8.78	—	—		8.4	0.80		11.4	0.83	
28	1.37	1	1	5.1	7.1	X	X	2554	9.68	14.09	1277	7.24	9.06	—	—		8.3	0.80		11.3	0.83	
29	1.37	1	1	6.4	8.9	X	X	2554	13.46	18.85	1277	10.52	12.57	—	—		—	—		8.8	0.82	
30	1.37	1	1	7.1	9.9	X	X	—	—	—	1277	12.19	14.37	—	—		—	—		—	—	
														B32			B41			B49		
31	1.37	1	1	7.9	11.0	X	—	—	—	—	1277	13.99	16.35	—	—		—	—		—	—	
32	1.37	1	1	10.4	14.4	X	—	—	—	—	1277	18.92	21.97	—	—		—	—		—	—	
33	1.38	1	2	3.6	5.1	X	—	2536	4.53	8.39	1268	3.47	5.63	10.0	0.80		14.6	0.85		18.6	0.88	
34	1.38	1	2	4.1	5.8	X	—	2536	6.14	10.01	1268	4.56	6.71	9.1	0.80		13.6	0.84		17.6	0.88	
35	1.38	1	6	4.4	6.2	X	—	2536	7.08	11.08	1268	5.38	7.34	8.5	0.79		13.0	0.84		17.1	0.88	
														B28			B34			B40		
36	1.38	1	1	4.9	6.9	X	X	2536	8.97	13.26	1268	6.72	8.50	—	—		8.6	0.80		11.6	0.83	
37	1.38	1	1	5.6	7.9	X	X	2536	11.30	16.06	1268	8.54	10.43	—	—		—	—		10.2	0.83	
38	1.38	1	2	6.0	8.4	X	X	2536	12.45	17.51	1268	9.54	11.51	—	—		—	—		9.5	0.82	
39	1.38	1	10	6.4	9.0	X	X	2536	13.46	18.85	1268	10.52	12.57	—	—		—	—		—	—	
40	1.38	1	2	7.4	10.4	X	X	—	—	—	1268	12.87	15.12	—	—		—	—		—	—	
														B34			B43			B52		
41	1.38	1	1	8.9	12.4	X	—	—	—	—	1268	16.10	18.71	—	—		—	—		—	—	
42	1.38	1	10	11.0	15.4	X	—	—	—	—	1268	19.93	23.18	—	—		—	—		—	—	
43	1.39	1	6	3.8	5.4	X	—	2517	5.20	9.05	1258	3.90	6.06	10.6	0.81		15.2	0.85		19.7	0.89	
44	1.39	1	6	4.8	6.8	X	—	2517	8.61	12.84	1258	6.45	8.22	8.7	0.80		13.3	0.85		17.8	0.88	
45	1.39	1	1	5.0	7.1	X	—	2517	9.33	13.68	1258	6.98	8.78	8.3	0.80		12.9	0.85		17.4	0.88	
														B34			B44			B54		
46	1.39	1	2	6.1	8.6	X	X	2517	12.72	17.85	1258	9.79	11.78	—	—		11.3	0.84		16.3	0.88	
47	1.39	1	1	7.0	9.9	X	—	—	—	—	1258	11.95	14.11	—	—		—	—		14.6	0.88	
48	1.39	1	2	11.4	16.0	X	—	—	—	—	1258	20.56	23.95	—	—		—	—		—	—	
49	1.40	1	2	3.2	4.6	X	—	2500	3.15	7.01	1250	2.60	4.74	11.8	0.81		16.8	0.86		21.8	0.90	
50	1.40	1	2	3.4	4.9	X	—	2500	3.87	7.71	1250	3.04	5.18	11.4	0.81		16.4	0.86		21.4	0.90	
														B28			B34			B40		
51	1.40	1	2	3.9	5.6	X	X	2500	5.53	9.38	1250	4.13	6.28	7.4	0.77		10.4	0.81		13.4	0.84	
52	1.40	1	2	4.1	5.9	X	—	2500	6.17	10.01	1250	4.56	6.71	7.0	0.77		10.0	0.81		13.0	0.84	
53	1.40	1	6	4.2	6.0	X	—	2500	6.46	10.31	1250	4.83	6.92	6.8	0.76		9.9	0.81		12.9	0.84	
54	1.40	1	6	4.6	6.6	X	—	2500	7.86	11.97	1250	5.92	7.75	—	—		9.1	0.80		12.1	0.83	
55	1.40	1	2	4.9	7.0	X	X	2500	8.97	13.26	1250	6.72	8.50	—	—		8.5	0.80		11.5	0.83	
														B28			B34			B40		
56	1.40	1	6	5.2	7.4	X	—	2500	10.02	14.50	1250	7.51	9.34	—	—		7.9	0.79		11.0	0.83	
57	1.40	1	10	5.6	8.0	X	X	2500	11.30	16.06	1250	8.54	10.43	—	—		—	—		10.2	0.82	
58	1.40	1	2	5.9	8.4	X	X	2500	12.18	17.16	1250	9.29	11.24	—	—		—	—		9.6	0.82	
59	1.40	1	10	6.6	9.4	X	X	2500	13.91	19.47	1250	11.01	13.09	—	—		—	—		—	—	
60	1.40	1	2	8.0	11.4	X	—	—	—	—	1250	14.21	16.59	—	—		—	—		—	—	
														B34			B43			B52		
61	1.40	1	1	10.9	15.4	X	—	—	—	—	1250	19.77	22.98	—	—		—	—		—	—	
62	1.41	1	6	3.6	5.2	X	—	2482	4.55	8.39	1241	3.48	5.63	11.0	0.81		15.5	0.85		20.0	0.89	
63	1.41	1	6	4.0	5.8	X	—	2482	5.87	9.69	1241	4.35	6.49	10.2	0.81		14.7	0.85		19.2	0.89	
64	1.41	1	1	4.8	6.9	X	—	2482	8.61	12.84	1241	6.45	8.22	8.7	0.80		13.2	0.85		17.7	0.88	
65	1.41	1	10	6.0	8.6	X	X	2482	12.45	17.51	1241	9.54	11.51	—	—		10.9	0.84		15.4	0.88	
														B32			B40			B48		
66	1.41	1	1	6.2	8.9	X	—	2482	12.97	18.19	1241	10.04	12.04	—	—		8.9	0.81		13.0	0.86	
67	1.41	1	1	6.9	9.9	X	X	—	—	—	1241	11.72	13.86	—	—		—	—		11.6	0.85	
68	1.41	1	2	9.4	13.4	X	X	—	—	—	1241	17.08	19.83	—	—		—	—		—	—	
69	1.42	1	2	3.0	4.4	X	X	2464	2.45	6.28	1232	2.16	4.28	11.1	0.80		15.1	0.84		19.1	0.88	
70	1.42	1	2	4.2	6.1	X	—	2464	6.49	10.31	1232	4.83	6.92	8.8	0.79		12.8	0.84		16.8	0.87	
														B28			B34			B40		
71	1.42	1	6	4.4	6.4	X	—	2464	7.08	11.08	1232	5.38	7.34	—	—		9.4	0.80		12.4	0.83	
72	1.42	1	1	4.9	7.1	X	X	2464	8.97	13.26	1232	6.72	8.50	—	—		8.4	0.79		11.4	0.83	
73	1.42	1	2	5.1	7.4	X	X	2464	9.68	14.09	1232	7.24	9.06	—	—		8.0	0.79		11.0	0.83	
74	1.42	1	2	5.8	8.4	X	—	2464	11.89	16.80	1232	9.04	10.97	—	—		—	—		9.7	0.82	
75	1.42	1	1	7.9	11.4	X	—	—	—	—	1232	13.99	16.35	—	—		—	—		—	—	

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts

Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
B74		**B86**		**B98**		**B108**		**B120**		**B133**		**B144**		**B158**		**B173**		
16.7	0.94	22.8	0.97	28.8	1.00	33.8	1.02	39.8	1.05	46.3	1.07	51.8	1.09	58.8	1.12	66.3	1.14	1
—	—	18.6	0.96	24.7	0.99	29.7	1.01	35.7	1.05	42.2	1.07	47.7	1.08	54.7	1.12	62.2	1.13	2
31.1	0.97	37.1	0.99	43.1	1.02	48.1	1.03	54.1	1.07	60.6	1.09	66.1	1.10	73.1	1.13	80.6	1.15	3
30.6	0.97	36.6	0.99	42.6	1.02	47.6	1.03	53.6	1.07	60.1	1.08	65.6	1.10	72.6	1.13	80.1	1.15	4
30.0	0.97	36.0	0.99	42.0	1.02	47.0	1.03	53.0	1.07	59.5	1.08	65.0	1.10	72.0	1.13	79.5	1.15	5
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
14.9	0.86	17.9	0.89	20.9	0.91	23.9	0.94	26.9	0.96	30.4	0.97	33.9	0.99	37.4	1.00	40.9	1.02	6
14.5	0.86	17.5	0.88	20.5	0.91	23.5	0.94	26.5	0.95	30.0	0.97	33.5	0.99	37.0	1.00	40.5	1.01	7
14.4	0.86	17.4	0.88	20.4	0.91	23.4	0.94	26.4	0.95	29.9	0.97	33.4	0.99	36.9	1.00	40.4	1.01	8
13.8	0.86	16.8	0.88	19.8	0.90	22.8	0.94	25.8	0.95	29.3	0.97	32.8	0.99	36.3	1.00	39.8	1.01	9
12.5	0.85	15.5	0.88	18.5	0.90	21.5	0.93	24.5	0.95	28.0	0.97	31.5	0.98	35.0	1.00	38.5	1.01	10
B61		**B70**		**B79**		**B88**		**B98**		**B108**		**B116**		**B124**		**B136**		
—	—	15.4	0.92	19.9	0.95	24.4	0.98	29.4	1.00	34.4	1.02	38.4	1.05	42.4	1.06	48.4	1.08	11
25.7	0.92	30.2	0.96	34.7	0.98	39.2	1.00	44.2	1.02	49.2	1.03	53.2	1.06	57.2	1.07	63.2	1.09	12
23.1	0.92	27.6	0.96	32.1	0.98	36.6	1.00	41.6	1.02	46.6	1.03	50.7	1.06	54.7	1.07	60.7	1.09	13
22.7	0.92	27.3	0.96	31.8	0.98	36.3	1.00	41.3	1.02	46.3	1.03	50.3	1.06	54.3	1.07	60.3	1.09	14
22.2	0.91	26.7	0.95	31.2	0.98	35.7	1.00	40.7	1.01	45.7	1.03	49.7	1.06	53.7	1.07	59.7	1.09	15
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
13.0	0.86	16.0	0.88	19.0	0.90	22.0	0.94	25.0	0.95	28.5	0.97	32.0	0.99	35.5	1.00	39.1	1.01	16
12.2	0.85	15.2	0.88	18.2	0.90	21.2	0.93	24.3	0.95	27.8	0.97	31.3	0.98	34.8	1.00	38.3	1.01	17
11.1	0.85	14.1	0.87	17.1	0.90	20.1	0.93	23.1	0.95	26.7	0.97	30.2	0.98	33.7	1.00	37.2	1.01	18
—	—	12.0	0.86	15.1	0.89	18.1	0.92	21.1	0.94	24.6	0.96	28.1	0.98	31.6	0.99	35.1	1.01	19
—	—	11.9	0.86	14.9	0.89	17.9	0.92	20.9	0.94	24.4	0.96	27.9	0.98	31.4	0.99	35.0	1.01	20
B74		**B86**		**B98**		**B108**		**B120**		**B133**		**B144**		**B158**		**B173**		
21.0	0.95	27.0	0.98	33.1	1.01	38.1	1.02	44.1	1.06	50.6	1.08	56.1	1.09	63.1	1.12	70.6	1.14	21
19.4	0.94	25.4	0.98	31.4	1.00	36.4	1.02	42.4	1.06	48.9	1.08	54.4	1.09	61.4	1.12	68.9	1.14	22
—	—	18.8	0.96	24.8	0.99	29.8	1.01	35.8	1.05	42.4	1.07	47.9	1.08	54.9	1.12	62.4	1.13	23
31.5	0.97	37.5	0.99	43.5	1.02	48.5	1.03	54.5	1.07	61.0	1.09	66.5	1.10	73.5	1.13	81.0	1.15	24
30.4	0.97	36.4	0.99	42.4	1.02	47.4	1.03	53.4	1.07	59.9	1.08	65.4	1.10	72.4	1.13	79.9	1.15	25
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
15.9	0.87	19.0	0.89	22.0	0.91	25.0	0.94	28.0	0.96	31.5	0.97	35.0	0.99	38.5	1.00	42.0	1.02	26
14.4	0.86	17.5	0.88	20.5	0.90	23.5	0.94	26.5	0.95	30.0	0.97	33.5	0.99	37.0	1.00	40.5	1.01	27
14.3	0.86	17.3	0.88	20.3	0.90	23.3	0.94	26.3	0.95	29.8	0.97	33.3	0.99	36.8	1.00	40.3	1.01	28
11.8	0.85	14.8	0.88	17.8	0.90	20.9	0.93	23.9	0.95	27.4	0.97	30.9	0.98	34.4	1.00	37.9	1.01	29
10.5	0.84	13.5	0.87	16.5	0.89	19.5	0.93	22.5	0.95	26.0	0.96	29.5	0.98	33.0	1.00	36.5	1.01	30
B58		**B67**		**B76**		**B85**		**B94**		**B103**		**B112**		**B120**		**B128**		
15.0	0.89	19.5	0.93	24.0	0.96	28.5	0.98	33.0	1.00	37.5	1.02	42.0	1.03	46.0	1.06	50.0	1.07	31
—	—	14.8	0.92	19.3	0.95	23.8	0.97	28.4	0.99	32.9	1.01	37.4	1.03	41.4	1.05	45.4	1.07	32
23.1	0.91	27.6	0.95	32.1	0.97	36.6	0.99	41.1	1.01	45.6	1.03	50.1	1.04	54.1	1.07	58.1	1.08	33
22.1	0.91	26.6	0.95	31.1	0.97	35.6	0.99	40.1	1.01	44.6	1.02	49.1	1.04	53.1	1.07	57.1	1.08	34
21.6	0.91	26.1	0.95	30.6	0.97	35.1	0.99	39.6	1.01	44.1	1.02	48.6	1.04	52.6	1.07	56.6	1.08	35
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
14.6	0.86	17.6	0.88	20.6	0.90	23.6	0.94	26.6	0.95	30.1	0.97	33.6	0.99	37.1	1.00	40.6	1.01	36
13.3	0.86	16.3	0.08	19.3	0.90	22.3	0.93	25.3	0.95	28.8	0.97	32.3	0.98	35.8	1.00	39.3	1.01	37
12.5	0.85	15.5	0.88	18.6	0.90	21.6	0.93	24.6	0.95	28.1	0.97	31.6	0.98	35.1	1.00	38.6	1.01	38
11.7	0.85	14.8	0.87	17.8	0.90	20.8	0.93	23.8	0.95	27.3	0.97	30.8	0.98	34.3	1.00	37.8	1.01	39
—	—	12.8	0.87	15.9	0.89	18.9	0.93	21.9	0.94	25.4	0.96	28.9	0.98	32.4	0.99	35.9	1.01	40
B61		**B70**		**B79**		**B88**		**B98**		**B108**		**B116**		**B124**		**B136**		
14.6	0.89	19.1	0.94	23.6	0.96	28.1	0.98	33.1	1.00	38.1	1.02	42.1	1.05	46.1	1.06	52.2	1.08	41
—	—	15.0	0.92	19.6	0.95	24.1	0.97	29.1	1.00	34.1	1.02	38.1	1.05	42.1	1.06	48.1	1.08	42
24.2	0.92	28.7	0.96	33.2	0.98	37.7	1.00	42.7	1.02	47.7	1.03	51.7	1.06	55.7	1.07	61.7	1.09	43
22.3	0.91	26.8	0.95	31.3	0.98	35.8	1.00	40.8	1.01	45.8	1.03	49.8	1.06	53.8	1.07	59.8	1.09	44
21.9	0.91	26.4	0.95	30.9	0.98	35.4	0.99	40.4	1.01	45.4	1.03	49.4	1.06	53.4	1.07	59.4	1.09	45
B64		**B74**		**B84**		**B94**		**B103**		**B112**		**B124**		**B136**		**B144**		
21.3	0.93	26.3	0.96	31.3	0.98	36.3	1.00	40.8	1.02	45.3	1.04	51.3	1.07	57.3	1.09	61.3	1.10	46
19.6	0.93	24.6	0.96	29.6	0.98	34.6	1.00	39.1	1.02	43.6	1.03	49.6	1.07	55.6	1.08	59.6	1.09	47
—	—	16.2	0.93	21.3	0.96	26.3	0.99	30.8	1.01	35.3	1.02	41.3	1.06	47.3	1.08	51.3	1.09	48
26.8	0.94	31.8	0.97	36.8	0.99	41.8	1.01	46.3	1.03	50.8	1.04	56.8	1.07	62.8	1.09	66.8	1.10	49
26.4	0.94	31.4	0.97	36.4	0.99	41.4	1.01	45.9	1.03	50.4	1.04	56.4	1.07	62.4	1.09	66.4	1.10	50
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
16.4	0.87	19.4	0.89	22.4	0.91	25.4	0.94	28.4	0.96	31.9	0.97	35.4	0.99	38.9	1.00	42.4	1.02	51
16.0	0.86	19.0	0.89	22.0	0.91	25.0	0.94	28.0	0.96	31.5	0.97	35.0	0.99	38.5	1.00	42.0	1.02	52
15.9	0.86	18.9	0.89	21.9	0.91	24.9	0.94	27.9	0.96	31.4	0.97	34.9	0.99	38.4	1.00	41.9	1.02	53
15.1	0.86	18.1	0.88	21.1	0.90	24.1	0.94	27.1	0.95	30.6	0.97	34.1	0.99	37.6	1.00	41.1	1.01	54
14.5	0.86	17.5	0.88	20.5	0.90	23.5	0.94	26.5	0.95	30.0	0.97	33.5	0.99	37.0	1.00	40.5	1.01	55
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
14.0	0.86	17.0	0.80	20.0	0.90	23.0	0.94	26.0	0.95	29.5	0.97	33.0	0.99	36.5	1.00	40.0	1.01	56
13.2	0.85	16.2	0.88	19.2	0.90	22.2	0.93	25.2	0.95	28.7	0.97	32.2	0.98	35.7	1.00	39.2	1.01	57
12.6	0.85	15.6	0.88	18.6	0.90	21.6	0.93	24.6	0.95	28.1	0.97	31.6	0.98	35.2	1.00	38.7	1.01	58
11.3	0.84	14.3	0.87	17.3	0.89	20.3	0.93	23.3	0.95	26.8	0.96	30.3	0.98	33.8	1.00	37.3	1.01	59
—	—	11.5	0.86	14.6	0.88	17.6	0.92	20.6	0.94	24.1	0.96	27.6	0.98	31.1	0.99	34.6	1.01	60
B61		**B70**		**B79**		**B88**		**B98**		**B108**		**B116**		**B124**		**B136**		
—	—	15.1	0.92	19.6	0.95	24.1	0.97	29.2	1.00	34.2	1.02	38.2	1.05	42.2	1.06	48.2	1.08	61
24.5	0.92	29.0	0.96	33.5	0.98	38.0	1.00	43.0	1.02	48.0	1.03	52.0	1.06	56.0	1.07	62.0	1.09	62
23.7	0.92	28.2	0.96	32.7	0.98	37.2	1.00	42.2	1.02	47.2	1.03	51.2	1.06	55.2	1.07	61.2	1.09	63
22.2	0.91	26.7	0.95	31.2	0.98	35.7	0.99	40.7	1.01	45.7	1.03	49.7	1.06	53.7	1.07	59.7	1.09	64
19.9	0.91	24.4	0.95	28.9	0.97	33.4	0.99	38.4	1.01	43.4	1.03	47.4	1.06	51.4	1.07	57.4	1.08	65
B56		**B64**		**B72**		**B80**		**B88**		**B96**		**B103**		**B112**		**B120**		
17.0	0.89	21.0	0.93	25.0	0.95	29.0	0.97	33.0	0.99	37.0	1.01	40.5	1.02	45.0	1.03	49.0	1.06	66
15.6	0.88	19.7	0.93	23.7	0.95	27.7	0.97	31.7	0.99	35.7	1.00	39.2	1.02	43.7	1.03	47.7	1.06	67
—	—	14.9	0.91	18.9	0.94	22.9	0.96	26.9	0.98	30.9	1.00	34.4	1.01	39.0	1.03	43.0	1.06	68
23.1	0.90	27.1	0.94	31.1	0.96	35.1	0.98	39.1	1.00	43.1	1.01	46.6	1.03	51.1	1.04	55.1	1.07	69
20.8	0.90	24.8	0.94	28.8	0.96	32.8	0.98	36.8	1.00	40.8	1.01	44.3	1.02	48.8	1.04	52.8	1.07	70
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
15.4	0.86	18.4	0.88	21.4	0.91	24.4	0.94	27.4	0.95	30.9	0.97	34.4	0.99	37.9	1.00	41.4	1.01	71
14.4	0.86	17.4	0.88	20.5	0.90	23.5	0.94	26.5	0.95	30.0	0.97	33.5	0.99	37.0	1.00	40.5	1.01	72
14.0	0.86	17.0	0.88	20.1	0.90	23.1	0.94	26.1	0.95	29.6	0.97	33.1	0.99	36.6	1.00	40.1	1.01	73
12.7	0.85	15.7	0.88	18.7	0.90	21.7	0.93	24.7	0.95	28.2	0.97	31.7	0.98	35.2	1.00	38.7	1.01	74
—	—	11.6	0.86	14.6	0.88	17.7	0.92	20.7	0.94	24.2	0.96	27.7	0.98	31.2	0.99	34.7	1.01	75

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Datum Diameter Driver	Datum Diameter Driven	Type Fix.	Type Var.	Nominal Driven Speeds and Horsepower per Belt — 3500 RPM Driver: Nominal Driven Speeds	HP per Belt: Super	HP per Belt: Gripnotch	1750 RPM Driver: Nominal Driven Speeds	HP per Belt: Super	HP per Belt: Gripnotch	Center Distance in Inches and "F" Factor for Browning Belts: Belt No.	C.D.	F	Belt No.	C.D.	F	Belt No.	C.D.	F
														B32			B41			B49		
1	1.42	1	10	8.6	12.4	X	—	—	—	—	1232	15.48	18.01	—	—		—	—		—	—	
2	1.42	3	3	10.4	15.0	X	—	—	—	—	1232	18.92	21.97	—	—		—	—		—	—	
3	1.43	1	6	3.4	5.0	X	—	2447	3.89	7.71	1223	3.06	5.18	10.3	0.80		14.8	0.85		18.8	0.88	
4	1.43	1	6	3.8	5.6	X	—	2447	5.25	9.05	1223	3.93	6.06	9.5	0.80		14.0	0.84		18.0	0.88	
5	1.43	1	2	4.1	6.0	X	—	2447	6.19	10.01	1223	4.56	6.71	8.9	0.79		13.4	0.84		17.4	0.88	
														B28			B34			B40		
6	1.43	1	6	4.8	7.0	X	—	2447	8.61	12.84	1223	6.45	8.22	—	—		8.6	0.80		11.6	0.83	
7	1.43	1	1	5.4	7.9	X	X	2447	10.68	15.29	1223	8.02	9.89	—	—		—	—		10.4	0.82	
8	1.43	1	2	5.9	8.6	X	X	2447	12.18	17.16	1223	9.29	11.24	—	—		—	—		9.4	0.82	
9	1.43	1	1	6.1	8.9	X	X	2447	12.72	17.85	1223	9.79	11.78	—	—		—	—		9.0	0.81	
10	1.43	1	10	6.2	9.0	X	—	2447	12.97	18.19	1223	10.04	12.04	—	—		—	—		8.9	0.81	
														B32			B40			B48		
11	1.43	1	1	6.8	9.9	X	—	—	—	—	1223	11.48	13.60	—	—		—	—		11.7	0.85	
12	1.43	1	10	9.4	13.6	X	—	—	—	—	1223	17.08	19.83	—	—		—	—		—	—	
13	1.44	1	2	4.0	5.9	X	X	2430	5.89	9.92	1215	4.36	6.61	9.1	0.79		13.1	0.84		17.1	0.87	
14	1.44	1	6	4.2	6.2	X	—	2430	6.51	10.54	1215	4.83	7.03	8.7	0.79		12.7	0.84		16.7	0.87	
15	1.44	1	6	4.6	6.8	X	—	2430	7.86	11.97	1215	5.92	7.87	7.9	0.78		11.9	0.83		15.9	0.87	
														B34			B44			B54		
16	1.44	1	10	6.4	9.4	X	X	2430	13.46	18.85	1215	10.52	12.57	—	—		10.4	0.83		15.4	0.88	
17	1.44	1	1	7.1	10.4	X	X	—	—	—	1215	12.19	14.37	—	—		—	—		14.1	0.87	
18	1.44	1	1	9.9	14.4	X	—	—	—	—	1215	18.03	20.92	—	—		—	—		—	—	
19	1.44	1	6	11.0	16.0	X	—	—	—	—	1215	19.93	23.18	—	—		—	—		—	—	
20	1.45	1	2	3.2	4.8	X	—	2413	3.21	7.23	1206	2.62	4.85	11.6	0.81		16.6	0.86		21.6	0.90	
														B28			B34			B40		
21	1.45	1	2	3.4	5.1	X	—	2413	3.92	7.94	1206	3.07	5.30	8.2	0.77		11.2	0.81		14.2	0.84	
22	1.45	1	2	3.9	5.8	X	X	2413	5.58	9.60	1206	4.15	6.39	7.2	0.76		10.2	0.81		13.3	0.84	
23	1.45	1	2	4.1	6.1	X	—	2413	6.21	10.23	1206	4.57	6.82	6.8	0.76		9.8	0.80		12.9	0.84	
24	1.45	1	1	4.8	7.1	X	—	2413	8.61	12.84	1206	6.45	8.27	—	—		8.5	0.79		11.5	0.83	
25	1.45	1	6	5.0	7.4	X	—	2413	9.33	13.68	1206	6.98	8.78	—	—		8.1	0.79		11.1	0.83	
														B28			B35			B42		
26	1.45	1	10	5.4	8.0	X	X	2413	10.68	15.29	1206	8.02	9.89	—	—		—	—		11.3	0.83	
27	1.45	1	10	5.8	8.6	X	—	2413	11.89	16.80	1206	9.04	10.97	—	—		—	—		10.5	0.83	
28	1.45	1	2	6.1	9.0	X	X	2413	12.72	17.85	1206	9.79	11.78	—	—		—	—		9.9	0.82	
29	1.45	1	1	7.4	10.9	X	X	—	—	—	1206	12.87	15.12	—	—		—	—		—	—	
30	1.45	1	2	8.4	12.4	X	X	—	—	—	1206	15.06	17.55	—	—		—	—		—	—	
														B34			B44			B54		
31	1.45	1	1	10.9	16.0	X	—	—	—	—	1206	19.77	22.98	—	—		—	—		—	—	
32	1.46	1	6	3.6	5.4	X	—	2397	4.60	8.62	1198	3.51	5.74	10.8	0.81		15.8	0.86		20.8	0.89	
33	1.46	1	6	4.0	6.0	X	—	2397	5.91	9.92	1198	4.37	6.61	10.0	0.80		15.0	0.85		20.0	0.89	
34	1.46	1	6	4.4	6.6	X	—	2397	7.12	11.13	1198	5.38	7.45	9.2	0.80		14.2	0.85		19.2	0.89	
35	1.46	1	1	4.6	6.9	X	—	2397	7.86	11.97	1198	5.92	7.87	8.8	0.79		13.8	0.85		18.8	0.89	
														B40			B52			B64		
36	1.46	1	1	6.0	8.9	X	X	2397	12.45	17.51	1198	9.54	11.51	9.1	0.81		15.1	0.87		21.2	0.93	
37	1.46	1	2	7.0	10.4	X	—	—	—	—	1198	11.95	14.11	—	—		13.1	0.86		19.2	0.92	
38	1.46	1	10	7.4	11.0	X	X	—	—	—	1198	12.87	15.12	—	—		12.3	0.86		18.4	0.92	
39	1.46	1	2	10.4	15.4	X	—	—	—	—	1198	18.92	21.97	—	—		—	—		—	—	
40	1.46	1	10	13.6	20.0	X	—	—	—	—	1198	23.43	27.70	—	—		—	—		—	—	
														B28			B34			B40		
41	1.47	1	2	3.9	5.9	X	X	2380	5.60	9.60	1190	4.16	6.39	7.1	0.76		10.2	0.80		13.2	0.84	
42	1.47	1	2	4.1	6.2	X	—	2380	6.23	10.23	1190	4.58	6.82	6.7	0.76		9.8	0.80		12.8	0.83	
43	1.47	1	2	5.6	8.4	X	X	2380	11.30	16.06	1190	8.54	10.43	—	—		—	—		9.8	0.82	
44	1.47	1	10	6.0	9.0	X	X	2380	12.45	17.51	1190	9.54	11.51	—	—		—	—		9.0	0.81	
45	1.47	1	1	6.6	9.9	X	X	2380	13.91	19.47	1190	11.01	13.09	—	—		—	—		—	—	
														B38			B50			B62		
46	1.47	1	2	9.0	13.4	X	—	—	—	—	1190	16.30	18.93	—	—		—	—		14.1	0.90	
47	1.47	1	10	12.4	18.4	X	—	—	—	—	1190	22.00	25.76	—	—		—	—		—	—	
48	1.48	1	2	3.0	4.6	X	X	2364	2.50	6.51	1182	2.19	4.39	13.9	0.83		19.9	0.88		25.9	0.94	
49	1.48	1	2	3.2	4.9	X	—	2364	3.23	7.23	1182	2.64	4.85	13.5	0.83		19.5	0.88		25.5	0.94	
50	1.48	1	6	3.4	5.2	X	—	2364	3.94	7.94	1182	3.08	5.30	13.1	0.83		19.1	0.88		25.1	0.93	
														B28			B34			B40		
51	1.48	1	6	3.8	5.8	X	—	2364	5.29	9.28	1182	3.95	6.17	7.3	0.76		10.3	0.80		13.3	0.84	
52	1.48	1	2	4.0	6.1	X	—	2364	5.93	9.92	1182	4.38	6.61	6.9	0.76		9.9	0.80		12.9	0.83	
53	1.48	1	6	4.2	6.4	X	—	2364	6.54	10.54	1182	4.83	7.03	6.5	0.75		9.5	0.80		12.5	0.83	
54	1.48	1	6	4.6	7.0	X	—	2364	7.86	11.97	1182	5.92	7.87	—	—		8.7	0.79		11.7	0.83	
55	1.48	1	2	4.9	7.4	X	X	2364	8.97	13.26	1182	6.72	8.50	—	—		8.1	0.79		11.2	0.83	
														B40			B52			B64		
56	1.48	1	1	5.9	8.9	X	X	2364	12.18	17.16	1182	9.29	11.24	9.2	0.81		15.2	0.87		21.2	0.93	
57	1.48	1	1	6.9	10.4	X	X	—	—	—	1182	11.72	13.86	—	—		13.2	0.86		19.2	0.92	
58	1.48	1	1	8.9	13.4	X	—	—	—	—	1182	16.10	18.71	—	—		—	—		15.2	0.90	
59	1.48	1	2	13.4	20.0	X	—	—	—	—	1182	23.21	27.40	—	—		—	—		—	—	
60	1.49	1	1	5.2	7.9	X	—	2348	10.02	14.50	1174	7.51	9.34	10.5	0.82		16.6	0.88		22.6	0.96	
														B28			B36			B44		
61	1.49	1	10	6.2	9.4	X	—	2348	12.97	18.19	1174	10.04	12.04	—	—		—	—		10.5	0.83	
62	1.49	1	10	9.0	13.6	X	—	—	—	—	1174	16.30	18.93	—	—		—	—		—	—	
63	1.50	1	2	3.9	6.0	X	X	2333	5.62	9.60	1166	4.17	6.39	7.1	0.76		11.1	0.81		15.1	0.85	
64	1.50	1	6	4.8	7.4	X	—	2333	8.72	12.84	1166	6.51	8.27	—	—		9.2	0.80		13.3	0.84	
65	1.50	1	6	5.2	8.0	X	—	2333	10.13	14.50	1166	7.56	9.34	—	—		8.4	0.79		12.5	0.84	
														B28			B34			B40		
66	1.50	1	10	5.6	8.6	X	X	2333	11.42	16.06	1166	8.59	10.43	—	—		—	—		9.6	0.81	
67	1.50	1	1	5.8	8.9	X	—	2333	12.01	16.80	1166	9.10	10.97	—	—		—	—		9.2	0.81	
68	1.50	1	2	5.9	9.0	X	X	2333	12.29	17.16	1166	9.35	11.24	—	—		—	—		9.1	0.81	
69	1.50	1	2	6.8	10.4	X	—	—	—	—	1166	11.54	13.60	—	—		—	—		—	—	
70	1.51	1	2	3.2	5.0	X	—	2317	3.25	7.23	1158	2.65	4.85	8.4	0.77		11.4	0.81		14.4	0.84	
														B28			B34			B40		
71	1.51	1	6	3.6	5.6	X	—	2317	4.64	8.62	1158	3.53	5.74	7.6	0.76		10.6	0.81		13.6	0.84	
72	1.51	1	2	3.8	5.9	X	—	2317	5.30	9.28	1158	3.96	6.17	7.2	0.76		10.2	0.80		13.2	0.84	
73	1.51	1	6	4.0	6.2	X	—	2317	5.94	9.92	1158	4.39	6.61	6.8	0.76		9.8	0.80		12.8	0.83	
74	1.51	1	6	4.4	6.8	X	—	2317	7.29	11.26	1158	5.48	7.45	—	—		9.0	0.79		12.0	0.83	
75	1.51	1	1	4.6	7.1	X	—	2317	8.07	12.15	1158	6.02	7.87	—	—		8.6	0.79		11.6	0.83	

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts

Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	CD.	F	C.D.	F	C.D.	F	C.D.	F	
B58		**B67**		**B76**		**B85**		**B94**		**B103**		**B112**		**B120**		**B128**		
13.3	0.88	17.8	0.92	22.3	0.95	26.8	0.98	31.4	1.00	35.9	1.01	40.4	1.03	44.4	1.06	48.4	1.07	1
—	—	14.3	0.91	18.8	0.94	23.3	0.97	27.9	0.99	32.4	1.01	36.9	1.02	40.9	1.05	44.9	1.06	2
23.3	0.91	27.8	0.95	32.3	0.97	36.8	0.99	41.3	1.01	45.8	1.02	50.3	1.04	54.3	1.07	58.3	1.08	3
22.5	0.91	27.0	0.95	31.5	0.97	36.0	0.99	40.5	1.01	45.0	1.02	49.5	1.04	53.5	1.07	57.5	1.08	4
22.0	0.91	26.5	0.95	31.0	0.97	35.5	0.99	40.0	1.01	44.5	1.02	49.0	1.04	53.0	1.07	57.0	1.08	5
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
14.6	0.86	17.6	0.85	20.6	0.90	23.6	0.94	26.6	0.95	30.1	0.97	33.6	0.99	37.1	1.00	40.6	1.01	6
13.4	0.85	16.4	0.88	19.4	0.90	22.4	0.93	25.4	0.95	28.9	0.97	32.4	0.98	35.9	1.00	39.4	1.01	7
12.4	0.85	15.5	0.87	18.5	0.90	21.5	0.93	24.5	0.95	28.0	0.97	31.5	0.98	35.0	1.00	38.5	1.01	8
12.0	0.85	15.1	0.87	18.1	0.90	21.1	0.93	24.1	0.95	27.6	0.97	31.1	0.98	34.6	1.00	38.1	1.01	9
11.9	0.85	14.9	0.87	17.9	0.90	20.9	0.93	23.9	0.95	27.4	0.97	30.9	0.98	34.4	1.00	37.9	1.01	10
B56		**B64**		**B72**		**B80**		**B88**		**B96**		**B103**		**B112**		**B120**		
15.7	0.88	19.7	0.93	23.7	0.95	27.7	0.97	31.8	0.99	35.8	1.00	39.3	1.02	43.8	1.03	47.8	1.06	11
—	—	14.7	0.91	18.7	0.93	22.7	0.96	26.8	0.98	30.8	1.00	34.3	1.01	38.8	1.03	42.8	1.05	12
21.1	0.90	25.1	0.94	29.1	0.96	33.1	0.98	37.1	1.00	41.1	1.01	44.6	1.02	49.1	1.04	53.1	1.07	13
20.7	0.90	24.7	0.94	28.7	0.96	32.7	0.98	36.7	1.00	40.7	1.01	44.2	1.02	48.7	1.04	52.7	1.07	14
19.9	0.90	23.9	0.94	27.9	0.96	31.9	0.98	35.9	0.99	39.9	1.01	43.4	1.02	47.9	1.04	51.9	1.06	15
B64		**B74**		**B84**		**B94**		**B103**		**B112**		**B124**		**B136**		**B144**		
20.4	0.93	25.5	0.96	30.5	0.98	35.5	1.00	40.0	1.02	44.5	1.03	50.5	1.07	56.5	1.08	60.5	1.09	16
19.1	0.92	24.1	0.95	29.1	0.98	34.1	1.00	38.6	1.02	43.1	1.03	49.1	1.07	55.1	1.08	59.1	1.09	17
13.6	0.90	18.7	0.94	23.7	0.97	28.7	0.99	33.2	1.01	37.8	1.02	43.8	1.06	49.8	1.08	53.8	1.09	18
—	—	16.5	0.93	21.6	0.96	26.6	0.98	31.1	1.00	35.6	1.02	41.6	1.06	47.6	1.07	51.6	1.09	19
26.6	0.94	31.6	0.97	36.6	0.99	41.6	1.01	46.1	1.03	50.6	1.04	56.6	1.07	62.6	1.09	66.6	1.10	20
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
17.2	0.87	20.2	0.89	23.2	0.91	26.2	0.94	29.2	0.96	32.7	0.97	36.2	0.99	39.7	1.00	43.2	1.02	21
16.3	0.86	19.3	0.89	22.3	0.91	25.3	0.94	28.3	0.96	31.8	0.97	35.3	0.99	38.8	1.00	42.3	1.01	22
15.9	0.86	18.9	0.89	21.9	0.91	24.9	0.94	27.9	0.95	31.4	0.97	34.9	0.99	38.4	1.00	41.9	1.01	23
14.5	0.86	17.5	0.88	20.5	0.90	23.5	0.94	26.5	0.95	30.0	0.97	33.5	0.99	37.0	1.00	40.5	1.01	24
14.1	0.86	17.1	0.88	20.1	0.90	23.1	0.93	26.1	0.95	29.6	0.97	33.1	0.98	36.6	1.00	40.1	1.01	25
B49		**B56**		**B63**		**B70**		**B77**		**B84**		**B91**		**B98**		**B105**		
14.8	0.87	18.3	0.89	21.8	0.93	25.3	0.95	28.9	0.97	32.4	0.98	35.9	1.00	39.4	1.01	42.9	1.02	26
14.0	0.86	17.5	0.89	21.0	0.93	24.6	0.95	28.1	0.97	31.6	0.98	35.1	1.00	38.6	1.01	42.1	1.02	27
13.5	0.86	17.0	0.89	20.5	0.93	24.0	0.95	27.5	0.96	31.0	0.98	34.5	1.00	38.0	1.01	41.5	1.02	28
10.9	0.84	14.4	0.88	17.9	0.92	21.5	0.94	25.0	0.96	28.5	0.98	32.0	0.99	35.5	1.01	39.0	1.02	29
—	—	12.4	0.86	15.9	0.91	19.5	0.93	23.0	0.95	26.5	0.97	30.0	0.99	33.5	1.00	37.0	1.02	30
B64		**B74**		**B84**		**B94**		**B103**		**B112**		**B124**		**B136**		**B144**		
—	—	16.6	0.93	21.6	0.96	26.7	0.98	31.2	1.00	35.7	1.02	41.7	1.06	47.7	1.07	51.7	1.08	31
25.8	0.94	30.8	0.97	35.8	0.99	40.8	1.01	45.3	1.02	49.8	1.04	55.8	1.07	61.8	1.09	65.8	1.10	32
25.0	0.94	30.0	0.96	35.0	0.99	40.0	1.01	44.5	1.02	49.0	1.04	55.0	1.07	61.0	1.09	65.0	1.10	33
24.2	0.94	29.2	0.96	34.2	0.99	39.2	1.01	43.8	1.02	48.3	1.04	54.3	1.07	60.3	1.09	64.3	1.10	34
23.8	0.94	28.8	0.96	33.9	0.99	38.9	1.01	43.4	1.02	47.9	1.04	53.9	1.07	59.9	1.09	63.9	1.10	35
B76		**B88**		**B100**		**B112**		**B124**		**B136**		**B150**		**B162**		**B180**		
27.2	0.96	33.2	0.99	39.2	1.01	45.2	1.03	51.2	1.07	57.2	1.08	64.2	1.10	70.2	1.13	79.2	1.15	36
25.2	0.96	31.2	0.99	37.2	1.01	43.2	1.03	49.2	1.07	55.2	1.08	62.2	1.10	68.2	1.13	77.2	1.15	37
24.4	0.96	30.4	0.98	36.4	1.01	42.4	1.03	48.4	1.06	54.4	1.08	61.4	1.10	67.4	1.13	76.4	1.15	38
18.5	0.94	24.5	0.97	30.5	1.00	36.6	1.02	42.6	1.06	48.6	1.07	55.6	1.09	61.6	1.12	70.6	1.14	39
—	—	18.2	0.95	24.3	0.98	30.4	1.01	36.4	1.05	42.4	1.07	49.4	1.09	55.4	1.12	64.4	1.14	40
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
16.2	0.86	19.2	0.89	22.2	0.91	25.2	0.94	28.2	0.96	31.7	0.97	35.2	0.99	38.7	1.00	42.2	1.01	41
15.8	0.86	18.8	0.88	21.8	0.90	24.8	0.94	27.8	0.95	31.3	0.97	34.8	0.99	38.3	1.00	41.8	1.01	42
12.8	0.85	15.8	0.87	18.9	0.90	21.9	0.93	24.9	0.95	28.4	0.97	31.9	0.98	35.4	1.00	38.9	1.01	43
12.0	0.84	15.1	0.87	18.1	0.89	21.1	0.93	24.1	0.95	27.6	0.96	31.1	0.98	34.6	1.00	38.1	1.01	44
10.8	0.84	13.8	0.87	16.9	0.89	19.9	0.92	22.9	0.96	26.4	0.96	29.9	0.98	33.4	0.99	36.9	1.01	45
B74		**B86**		**B98**		**B108**		**B120**		**B133**		**B144**		**B158**		**B173**		
20.2	0.94	26.2	0.97	32.2	1.00	37.3	1.02	43.3	1.05	49.8	1.07	55.3	1.09	62.3	1.12	69.8	1.14	46
—	—	19.5	0.95	25.5	0.98	30.6	1.01	36.6	1.04	43.1	1.06	48.6	1.08	55.6	1.11	63.2	1.13	47
31.9	0.97	37.9	0.99	43.9	1.02	48.9	1.03	54.9	1.07	61.4	1.08	66.9	1.10	73.9	1.13	81.4	1.15	48
31.5	0.97	37.5	0.99	43.5	1.02	48.5	1.03	54.5	1.07	61.0	1.08	66.5	1.10	73.5	1.13	81.0	1.15	49
31.1	0.97	37.1	0.99	43.1	1.02	48.1	1.04	54.1	1.07	60.6	1.08	66.1	1.10	73.1	1.13	80.6	1.14	50
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
16.3	0.86	19.3	0.89	22.3	0.91	25.3	0.94	28.3	0.95	31.8	0.97	35.3	0.99	38.9	1.00	42.4	1.01	51
15.9	0.86	18.9	0.88	21.9	0.90	24.9	0.94	28.0	0.95	31.5	0.97	35.0	0.99	38.5	1.00	42.0	1.01	52
15.5	0.86	18.5	0.88	21.6	0.90	24.6	0.94	27.6	0.95	31.1	0.97	34.6	0.99	38.1	1.00	41.6	1.01	53
14.7	0.86	17.8	0.88	20.8	0.90	23.8	0.93	26.8	0.95	30.3	0.97	33.8	0.98	37.3	1.00	40.8	1.01	54
14.2	0.86	17.2	0.88	20.2	0.90	23.2	0.93	26.2	0.95	29.7	0.97	33.2	0.98	36.7	1.00	40.2	1.01	55
B76		**B88**		**B100**		**B112**		**B124**		**B136**		**B150**		**B162**		**B180**		
27.2	0.96	33.2	0.99	39.3	1.01	45.3	1.03	51.3	1.07	57.3	1.08	64.3	1.10	70.3	1.13	79.3	1.15	56
25.3	0.96	31.3	0.99	37.3	1.01	43.3	1.03	49.3	1.06	55.3	1.08	62.3	1.10	68.3	1.13	77.3	1.15	57
21.3	0.95	27.3	0.98	33.3	1.00	39.3	1.03	45.3	1.06	51.3	1.08	58.4	1.10	64.4	1.12	73.4	1.14	58
—	—	18.4	0.94	24.5	0.98	30.5	1.01	36.5	1.05	42.6	1.07	49.6	1.09	55.6	1.12	64.6	1.14	59
28.6	0.96	34.6	0.99	40.6	1.01	46.6	1.04	52.6	1.07	58.6	1.08	65.6	1.10	71.6	1.13	80.6	1.15	60
B52		**B59**		**B66**		**B73**		**B80**		**B87**		**B94**		**B103**		**B112**		
14.6	0.87	18.1	0.90	21.6	0.93	25.1	0.95	28.6	0.97	32.1	0.99	35.6	1.00	40.1	1.02	44.6	1.03	61
—	—	12.4	0.87	16.0	0.91	19.5	0.93	23.0	0.96	26.6	0.97	30.1	0.99	34.6	1.01	39.1	1.02	62
19.1	0.88	22.6	0.91	26.1	0.94	29.6	0.96	33.1	0.98	36.6	0.99	40.1	1.01	44.6	1.02	49.1	1.04	63
17.3	0.88	20.8	0.90	24.3	0.94	27.8	0.96	31.3	0.97	34.8	0.99	38.3	1.00	42.8	1.02	47.3	1.04	64
16.5	0.88	20.0	0.90	23.5	0.94	27.0	0.96	30.5	0.97	34.0	0.99	37.5	1.00	42.0	1.02	46.5	1.03	65
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
12.7	0.85	15.7	0.87	18.7	0.89	21.7	0.93	24.7	0.95	28.2	0.96	31.7	0.98	35.2	1.00	38.7	1.01	66
12.3	0.84	15.3	0.87	18.3	0.89	21.3	0.93	24.3	0.95	27.8	0.96	31.3	0.98	34.8	1.00	38.3	1.01	67
12.1	0.84	15.1	0.87	18.1	0.89	21.1	0.93	24.2	0.95	27.7	0.96	31.2	0.98	34.7	1.00	38.2	1.01	68
10.2	0.83	13.3	0.86	16.3	0.89	19.3	0.92	22.3	0.94	25.8	0.96	29.3	0.98	32.8	0.99	36.4	1.01	69
17.4	0.87	20.4	0.89	23.4	0.91	26.4	0.94	29.4	0.96	33.0	0.97	36.5	0.99	40.0	1.00	43.5	1.02	70
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
16.6	0.86	19.7	0.89	22.7	0.91	25.7	0.94	28.7	0.95	32.2	0.97	35.7	0.99	39.2	1.00	42.7	1.01	71
16.3	0.86	19.3	0.88	22.3	0.90	25.3	0.94	28.3	0.95	31.8	0.97	35.3	0.99	38.8	1.00	42.3	1.01	72
15.9	0.86	18.9	0.88	21.9	0.90	24.9	0.94	27.9	0.95	31.4	0.97	34.9	0.99	38.4	1.00	41.9	1.01	73
15.1	0.86	18.1	0.88	21.1	0.90	24.1	0.94	27.1	0.95	30.6	0.97	34.1	0.98	37.6	1.00	41.1	1.01	74
14.7	0.86	17.7	0.88	20.7	0.90	23.7	0.93	26.7	0.95	30.2	0.97	33.7	0.98	37.2	1.00	40.7	1.01	75

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves		Datum Diameter		Type		Nominal Driven Speeds and Horsepower per Belt						Center Distance in Inches and "F" Factor for Browning Belts					
								3500 RPM Driver			1750 RPM Driver								
								Nominal Driven Speed	HP per Belt		Nominal Driven Speed	HP per Belt		Belt No		Belt No.		Belt No.	
		Min	Max	Driver	Driven	Fix.	Var.		Super	Gripnotch		Super	Gripnotch	C.D.	F	C.D.	F	C.D.	F
														B28		B36		B44	
1	1.51	1	1	5.1	7.9	X	X	2317	9.89	14.27	1158	7.35	9.15	—	—	8.6	0.79	12.6	0.84
2	1.51	1	2	6.1	9.4	X	X	2317	12.92	18.03	1158	9.89	11.87	—	—	—	—	10.6	0.83
3	1.51	1	1	7.1	10.9	X	X	—	—	—	1158	12.29	14.46	—	—	—	—	—	—
4	1.51	1	2	7.4	11.4	X	X	—	—	—	1158	12.98	15.21	—	—	—	—	—	—
5	1.51	1	1	8.9	13.6	X	—	—	—	—	1158	16.20	18.80	—	—	—	—	—	—
														B32		B40		B48	
6	1.51	1	1	9.4	14.4	X	X	—	—	—	1158	17.19	19.92	—	—	—	—	—	—
7	1.52	1	2	3.9	6.1	X	X	2302	5.63	9.60	1151	4.18	6.39	9.0	0.79	13.0	0.83	17.0	0.87
8	1.52	1	2	4.1	6.4	X	—	2302	6.26	10.23	1151	4.66	6.82	8.6	0.78	12.6	0.83	16.6	0.87
9	1.52	1	2	5.4	8.4	X	X	2302	10.89	15.47	1151	8.13	9.98	—	—	10.0	0.81	14.0	0.86
10	1.52	1	10	5.8	9.0	X	—	2302	12.10	16.98	1151	9.15	11.06	—	—	9.1	0.81	13.2	0.85
														B34		B43		B52	
11	1.52	1	1	6.4	9.9	X	X	2302	13.67	19.02	1151	10.63	12.66	—	—	9.4	0.82	14.0	0.86
12	1.52	1	1	7.1	11.0	X	X	—	—	—	1151	12.29	14.46	—	—	—	—	12.5	0.85
13	1.52	1	2	10.4	16.0	X	—	—	—	—	1151	19.03	22.06	—	—	—	—	—	—
14	1.53	1	6	3.8	6.0	X	—	2287	5.32	9.28	1143	3.97	6.17	10.1	0.80	14.7	0.85	19.2	0.88
15	1.53	1	6	4.2	6.6	X	—	2287	6.58	I 0.54	1143	4.94	7.03	9.3	0.80	13.9	0.84	18.4	0.88
														B28		B35		B42	
16	1.53	1	1	4.4	6.9	X	—	2287	7.29	11.26	1143	5.48	7.45	—	—	9.4	0.80	13.0	0.84
17	1.53	1	2	5.1	8.0	X	X	2287	9.89	14.27	1143	7.35	9.15	—	—	8.0	0.79	11.5	0.83
18	1.53	1	10	6.0	9.4	X	X	2287	12.66	17.69	1143	9.65	11.60	—	—	—	—	9.7	0.82
19	1.53	1	1	7.0	10.9	X	—	—	—	—	1143	12.06	14.20	—	—	—	—	—	—
20	1.53	1	10	8.0	12.4	X	—	—	—	—	1143	14.31	16.68	—	—	—	—	—	—
														B32		B41		B49	
21	1.53	1	2	8.6	13.4	X	—	—	—	—	1143	15.59	18.10	—	—	—	—	—	—
22	1.53	1	1	9.9	15.4	X	—	—	—	—	1143	18.13	21.01	—	—	—	—	—	—
23	1.54	1	2	3.0	4.8	X	X	2272	2.55	6.51	1136	2.21	4.39	10.7	0.80	15.3	0.84	19.3	0.88
24	1.54	1	2	3.2	5.1	X	—	2272	3.27	7.23	1136	2.66	4.85	10.3	0.80	14.9	0.84	18.9	0.88
25	1.54	1	6	3.4	5.4	X	—	2272	3.98	7.94	1136	3.10	5.30	9.9	0.79	14.5	0.84	18.5	0.88
														B28		B35		B42	
26	1.54	1	2	3.9	6.2	X	X	2272	5.65	9.60	1136	4.18	6.39	6.9	0.76	10.4	0.81	13.9	0.84
27	1.54	1	1	5.0	7.9	X	—	2272	9.54	13.86	1136	7.09	8.87	—	—	8.1	0.79	11.7	0.83
28	1.54	1	10	7.0	11.0	X	—	—	—	—	1136	12.06	14.20	—	—	—	—	—	—
29	1.54	1	1	7.9	12.4	X	—	—	—	—	1136	14.09	16.44	—	—	—	—	—	—
30	1.55	1	6	4.0	6.4	X	—	2258	5.97	9.92	1129	4.40	6.61	6.6	0.75	10.2	0.80	13.7	0.84
														B28		B34		B40	
31	1.55	1	6	4.4	7.0	X	—	2258	7.29	11.26	1129	5.48	7.45	—	—	8.9	0.79	11.9	0.83
32	1.55	1	1	5.6	8.9	X	X	2258	11.51	16.24	1129	8.64	10.52	—	—	—	—	9.4	0.81
33	1.55	1	2	6.6	10.4	X	X	2258	14.12	19.65	1129	11.11	13.18	—	—	—	—	—	—
34	1.55	1	1	6.9	10.9	X	X	—	—	—	1129	11.82	13.95	—	—	—	—	—	—
35	1.56	1	6	3.6	5.8	X	—	2243	4.67	8.62	1121	3.54	5.74	7.4	0.76	10.5	0.80	13.5	0.83
														B28		B34		B40	
36	1.56	1	2	3.8	6.1	X	—	2243	5.33	9.28	1121	3.97	6.17	7.0	0.76	10.1	0.80	13.1	0.83
37	1.56	1	2	4.1	6.6	X	—	2243	6.29	10.23	1121	4.66	6.82	—	—	9.4	0.79	12.4	0.83
38	1.56	1	6	5.0	8.0	X	—	2243	9.54	13.86	1121	7.09	8.87	—	—	—	—	10.6	0.82
39	1.56	1	10	5.4	8.6	X	X	2243	10.89	15.47	1121	8.13	9.98	—	—	—	—	9.8	0.81
40	1.56	1	2	5.9	9.4	X	X	2243	12.38	17.33	1121	9.40	11.33	—	—	—	—	—	—
														B28		B36		B44	
41	1.56	1	1	6.2	9.9	X	—	2243	13.18	18.37	1121	10.14	12.13	—	—	—	—	10.1	0.82
42	1.56	1	1	6.9	11.0	X	X	—	—	—	1121	11.82	13.95	—	—	—	—	—	—
43	1.56	1	10	8.6	13.6	X	—	—	—	—	1121	15.59	18.10	—	—	—	—	—	—
44	1.57	1	2	3.0	4.9	X	X	2229	2.56	6.51	1114	2.22	4.39	8.6	0.77	12.7	0.82	16.7	0.86
45	1.57	1	2	3.2	5.2	X	—	2229	3.29	7.23	1114	2.66	4.85	8.2	0.77	12.3	0.82	16.3	0.86
														B28		B34		B40	
46	1.57	1	6	4.2	6.8	X	—	2229	6.60	10.54	1114	4.94	7.03	—	—	9.2	0.79	12.2	0.83
47	1.57	1	1	4.4	7.1	X	—	2229	7.29	11.26	1114	5.48	7.45	—	—	8.8	0.79	11.8	0.83
48	1.57	1	6	4.6	7.4	X	—	2229	8.07	12.15	1114	6.02	7.87	—	—	8.4	0.78	11.4	0.82
49	1.57	1	1	4.9	7.9	X	X	2229	9.18	13.44	1114	6.82	8.59	—	—	7.7	0.78	10.7	0.82
50	1.57	1	10	5.6	9.0	X	X	2229	11.51	16.24	1114	8.64	10.52	—	—	—	—	9.3	0.81
														B32		B40		B48	
51	1.57	1	1	6.8	10.9	X	—	—	—	—	1114	11.59	13.69	—	—	—	—	10.8	0.83
52	1.57	1	2	8.4	13.4	X	X	—	—	—	1114	15.17	17.63	—	—	—	—	—	—
53	1.57	3	2	9.4	15.0	X	X	—	—	—	1114	17.19	19.92	—	—	—,	—	—	—
54	1.58	1	2	3.6	5.9	X	—	2215	4.69	8.62	1107	3.55	5.74	9.4	0.79	13.4	0.83	17.4	0.87
55	1.58	1	6	3.8	6.2	X	—	2215	5.35	9.28	1107	3.98	6.17	9.0	0.78	13.0	0.83	17.0	0.87
														B32		B40		B48	
56	1.58	1	2	5.2	8.4	X	—	2215	10.23	14.68	1107	7.61	9.43	—	—	10.1	0.81	14.1	0.85
57	1.58	1	1	7.1	11.4	X	X	—	—	—	1107	12.29	14.46	—	—	—	—	—	—
58	1.58	1	1	9.0	14.4	X	—	—	—	—	1107	16.40	19.02	—	—	—	—	—	—
59	1.59	1	6	3.4	5.6	X	—	2201	4.01	7.94	1100	3.11	5.30	9.8	0.79	13.8	0.83	17.8	0.87
60	1.59	1	2	3.9	6.4	X	X	2201	5.68	9.60	1100	4.20	6.39	8.7	0.78	12.8	0.83	16.8	0.87
														B28		B34		B40	
61	1.59	1	2	4.9	8.0	X	X	2201	9.18	13.44	1100	6.82	8.59	—	—	7.6	0.77	10.7	0.82
62	1.59	1	10	5.8	9.4	X	—	2201	12.10	16.98	1100	9.15	11.06	—	—	—	—	8.8	0.80
63	1.59	1	1	6.1	9.9	X	X	2201	12.92	18.03	1100	9.89	11.87	—	—	—	—	—	—
64	1.59	1	2	6.4	10.4	X	X	2201	13.67	19.02	1100	10.63	12.66	—	—	—	—	—	—
65	1.59	1	10	6.8	11.0	X	—	—	—	—	1100	11.59	13.69	—	—	—	—	—	—
														B38		B50		B62	
66	1.59	1	2	8.4	13.6	X	X	—	—	—	1100	15.17	17.63	—	—	—	—	14.4	0.89
67	1.59	1	1	8.9	14.4	X	—	—	—	—	1100	16.20	18.80	—	—	—	—	13.3	0.88
68	1.59	1	1	9.9	16.0	X	—	—	—	—	1100	18.13	21.01	—	—	—	—	—	—
69	1.59	1	2	11.4	18.4	X	—	—	—	—	1100	20.67	24.04	—	—	—	—	—	—
70	1.59	1	10	12.4	20.0	X	—	—	—	—	1100	22.10	25.85	—	—	—	—	—	—
														B28		B34		B40	
71	1.60	1	2	3.0	5.0	X	X	2187	2.58	6.51	1093	2.23	4.39	8.6	0.77	11.6	0.81	14.6	0.84
72	1.60	1	6	4.0	6.6	X	—	2187	6.00	9.92	1093	4.41	6.61	6.4	0.75	9.5	0.79	12.5	0.83
73	1.60	1	1	4.2	6.9	X	—	2187	6.61	10.54	1093	4.94	7.03	—	—	9.1	0.79	12.1	0.83
74	1.60	1	1	4.8	7.9	X	—	2187	8.82	13.02	1093	6.56	8.31	—	—	7.8	0.78	10.8	0.82
75	1.60	1	2	7.0	11.4	X	—	—	—	—	1093	12.06	14.20	—	—	—	—	—	—

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) In Inches and Arc-Length Factor (F) using Browning Belts

Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
B52		**B59**		**B66**		**B73**		**B80**		**B87**		**B94**		**B103**		**B112**		
16.6	0.88	20.1	0.90	23.7	0.94	27.2	0.96	30.7	0.97	34.2	0.99	37.7	1.00	42.2	1.02	46.7	1.03	1
14.6	0.87	18.2	0.89	21.7	0.93	25.2	0.95	28.7	0.97	32.2	0.99	35.7	1.00	40.2	1.02	44.7	1.03	2
12.6	0.86	16.2	0.89	19.7	0.93	23.2	0.95	26.7	0.96	30.2	0.98	33.7	1.00	38.2	1.01	42.7	1.03	3
12.0	0.85	15.5	0.88	19.0	0.92	22.6	0.94	26.1	0.96	29.6	0.98	33.1	1.00	37.6	1.01	42.1	1.03	4
—	—	12.5	0.86	16.1	0.91	19.6	0.93	23.1	0.95	26.6	0.97	30.1	0.99	34.7	1.01	39.2	1.02	5
B56		**B64**		**B72**		**B80**		**B88**		**B96**		**B103**		**B112**		**B120**		
—	—	14.0	0.89	18.0	0.93	22.1	0.95	26.1	0.97	30.1	0.99	33.6	1.01	38.1	1.02	42.1	1.05	6
21.0	0.90	25.0	0.94	29.0	0.96	33.0	0.98	37.0	0.99	41.0	1.01	44.5	1.02	49.0	1.04	53.0	1.06	7
20.6	0.90	24.6	0.94	28.6	0.96	32.6	0.98	36.6	0.99	40.6	1.01	44.1	1.02	48.6	1.04	52.6	1.06	8
18.0	0.89	22.0	0.93	26.0	0.95	30.0	0.97	34.0	0.99	38.0	1.01	41.5	1.02	46.0	1.03	50.0	1.06	9
17.2	0.89	21.2	0.93	25.2	0.95	29.2	0.97	33.2	0.99	37.2	1.00	40.8	1.02	45.3	1.03	49.3	1.06	10
B61		**B70**		**B79**		**B88**		**B98**		**B108**		**B116**		**B124**		**B136**		
18.5	0.90	23.0	0.94	27.5	0.97	32.1	0.99	37.1	1.01	42.1	1.02	46.1	1.05	50.1	1.06	56.1	1.08	11
17.1	0.89	21.6	0.94	26.1	0.96	30.6	0.98	35.6	1.00	40.6	1.02	44.6	1.05	48.7	1.06	54.7	1.08	12
—	—	14.9	0.91	19.5	0.94	24.0	0.97	29.0	0.99	34.1	1.01	38.1	1.04	42.1	1.05	48.1	1.07	13
23.7	0.91	28.2	0.95	32.7	0.98	37.2	0.99	42.2	1.01	47.2	1.03	51.2	1.06	55.2	1.07	61.2	1.09	14
22.9	0.91	27.4	0.95	31.9	0.97	36.4	0.99	41.4	1.01	46.4	1.03	50.4	1.06	54.4	1.07	60.4	1.09	15
B49		**B56**		**B63**		**B70**		**B77**		**B84**		**B91**		**B98**		**B105**		
16.5	0.87	20.0	0.89	23.5	0.93	27.0	0.95	30.5	0.97	34.0	0.98	37.5	1.00	41.0	1.01	44.5	1.02	16
15.0	0.86	18.6	0.89	22.1	0.93	25.6	0.95	29.1	0.97	32.6	0.98	36.1	1.00	39.6	1.01	43.1	1.02	17
13.2	0.85	16.7	0.88	20.2	0.92	23.8	0.94	27.3	0.96	30.8	0.98	34.3	0.99	37.8	1.01	41.3	1.02	18
11.2	0.84	14.7	0.87	18.2	0.91	21.8	0.94	25.3	0.96	28.8	0.97	32.3	0.99	35.8	1.00	39.3	1.02	19
—	—	12.7	0.86	16.2	0.91	19.8	0.93	23.3	0.95	26.8	0.97	30.3	0.99	33.8	1.00	37.3	1.01	20
B58		**B67**		**B76**		**B85**		**B94**		**B103**		**B112**		**B120**		**B128**		
12.4	0.86	17.0	0.91	21.5	0.94	26.0	0.97	30.5	0.99	35.0	1.01	39.6	1.02	43.6	1.05	47.6	1.06	21
—	—	14.3	0.90	18.8	0.93	23.4	0.96	27.9	0.98	32.4	1.00	36.9	1.02	40.9	1.05	45.0	1.06	22
23.8	0.91	28.3	0.95	32.8	0.97	37.3	0.99	41.8	1.01	46.3	1.02	50.8	1.04	54.8	1.07	58.8	1.08	23
23.4	0.91	27.9	0.95	32.4	0.97	36.9	0.99	41.4	1.01	45.9	1.02	50.4	1.04	54.4	1.07	58.4	1.08	24
23.0	0.91	27.5	0.95	32.0	0.97	36.5	0.99	41.0	1.01	45.5	1.02	50.0	1.04	54.0	1.07	58.0	1.08	25
B49		**B56**		**B63**		**B70**		**B77**		**B84**		**B91**		**B98**		**B105**		
17.4	0.87	20.9	0.90	24.4	0.93	27.9	0.95	31.5	0.97	35.0	0.99	38.5	1.00	42.0	1.01	45.5	1.03	26
15.2	0.86	18.7	0.89	22.2	0.93	25.7	0.95	29.2	0.97	32.7	0.98	36.2	1.00	39.7	1.01	43.2	1.02	27
11.1	0.84	14.6	0.87	18.2	0.91	21.7	0.94	25.2	0.96	28.7	0.97	32.2	0.99	35.7	1.00	39.2	1.02	28
—	—	12.8	0.86	16.3	0.90	19.8	0.93	23.4	0.95	26.9	0.97	30.4	0.99	33.9	1.00	37.4	1.01	29
17.2	0.87	20.7	0.90	24.2	0.93	27.7	0.95	31.2	0.97	34.7	0.99	38.2	1.00	41.7	1.01	45.2	1.03	30
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
14.9	0.86	17.9	0.88	20.9	0.90	23.9	0.93	26.9	0.95	30.4	0.97	33.9	0.98	37.4	1.00	40.9	1.01	31
12.4	0.84	15.4	0.87	18.4	0.89	21.5	0.93	24.5	0.94	28.0	0.96	31.5	0.98	35.0	0.99	38.5	1.01	32
10.4	0.83	13.4	0.86	16.4	0.88	19.5	0.92	22.5	0.94	26.0	0.96	29.5	0.98	33.0	0.99	36.5	1.00	33
—	—	12.8	0.85	15.8	0.88	18.8	0.92	21.8	0.94	25.3	0.96	28.9	0.97	32.4	0.99	35.9	1.00	34
16.5	0.86	19.5	0.88	22.5	0.90	25.5	0.94	28.5	0.95	32.0	0.97	35.5	0.99	39.0	1.00	42.5	1.01	35
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
16.1	0.86	19.1	0.88	22.1	0.90	25.1	0.94	28.1	0.95	31.6	0.97	35.1	0.99	38.6	1.00	42.1	1.01	36
15.4	0.86	18.5	0.88	21.5	0.90	24.5	0.93	27.5	0.95	31.0	0.97	34.5	0.98	38.0	1.00	41.5	1.01	37
13.6	0.85	16.6	0.87	19.6	0.90	22.6	0.93	25.7	0.95	29.2	0.97	32.7	0.98	36.2	1.00	39.7	1.01	38
12.8	0.84	15.8	0.87	18.8	0.89	21.9	0.93	24.9	0.95	28.4	0.96	31.9	0.98	35.4	0.99	38.9	1.01	39
11.8	0.84	14.8	0.87	17.8	0.89	20.8	0.92	23.8	0.94	27.3	0.96	30.8	0.98	34.3	0.99	37.8	1.01	40
B52		**B59**		**B66**		**B73**		**B80**		**B87**		**B94**		**B103**		**B112**		
14.1	0.86	17.7	0.89	21.2	0.93	24.7	0.95	28.2	0.97	31.7	0.98	35.2	1.00	39.7	1.02	44.2	1.03	41
12.7	0.85	16.2	0.88	19.7	0.92	23.3	0.94	26.8	0.96	30.3	0.98	33.8	1.00	38.3	1.01	42.8	1.03	42
—	—	12.7	0.86	16.3	0.91	19.8	0.93	23.3	0.95	26.9	0.97	30.4	0.99	34.9	1.01	39.4	1.02	43
20.7	0.89	24.2	0.91	27.7	0.95	31.2	0.96	34.7	0.98	38.2	0.99	41.7	1.01	46.2	1.02	50.7	1.04	44
20.3	0.89	23.8	0.91	27.3	0.94	30.8	0.96	34.3	0.98	37.8	0.99	41.3	1.01	45.8	1.02	50.3	1.04	45
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
15.2	0.86	18.2	0.88	21.2	0.90	24.2	0.93	27.2	0.95	30.7	0.97	34.2	0.98	37.7	1.00	41.2	1.01	46
14.8	0.85	17.8	0.88	20.8	0.90	23.8	0.93	26.8	0.95	30.3	0.97	33.8	0.98	37.3	1.00	40.9	1.01	47
14.4	0.85	17.4	0.88	20.4	0.90	23.4	0.93	26.4	0.95	29.9	0.97	33.5	0.98	37.0	1.00	40.5	1.01	48
13.8	0.85	16.8	0.87	19.8	0.90	22.8	0.93	25.8	0.95	29.3	0.97	32.8	0.98	36.3	1.00	39.8	1.01	49
12.3	0.84	15.3	0.87	18.4	0.89	21.4	0.93	24.4	0.94	27.9	0.96	31.4	0.98	34.9	0.99	38.4	1.01	50
B56		**B64**		**B72**		**B80**		**B88**		**B96**		**B103**		**B112**		**B120**		
14.9	0.87	18.9	0.92	22.9	0.94	26.9	0.96	30.9	0.98	34.9	1.00	38.5	1.01	43.0	1.03	47.0	1.06	51
—	—	15.6	0.90	19.6	0.93	23.7	0.95	27.7	0.97	31.7	0.99	35.2	1.01	39.7	1.02	43.7	1.05	52
—	—	13.5	0.89	17.5	0.92	21.6	0.95	25.6	0.97	29.6	0.99	33.1	1.00	37.6	1.02	41.7	1.05	53
21.4	0.90	25.4	0.94	29.4	0.96	33.4	0.98	37.4	0.99	41.4	1.01	44.9	1.02	49.4	1.04	53.4	1.06	54
21.0	0.90	25.0	0.94	29.0	0.96	33.0	0.98	37.0	0.99	41.0	1.01	44.5	1.02	49.0	1.04	53.0	1.06	55
B56		**B64**		**B72**		**B80**		**B88**		**B96**		**B103**		**B112**		**B120**		
18.2	0.89	22.2	0.93	26.2	0.95	30.2	0.97	34.2	0.99	38.2	1.00	41.7	1.02	46.2	1.03	50.2	1.06	56
14.2	0.87	18.3	0.91	22.3	0.94	26.3	0.96	30.3	0.98	34.3	1.00	37.8	1.01	42.3	1.03	46.3	1.06	57
—	—	14.3	0.89	18.3	0.92	22.4	0.95	26.4	0.97	30.4	0.99	33.9	1.00	38.4	1.02	42.4	1.05	58
21.8	0.90	25.8	0.94	29.8	0.96	33.8	0.98	37.8	0.99	41.8	1.01	45.3	1.02	49.8	1.04	53.8	1.06	59
20.8	0.90	24.8	0.93	28.8	0.96	32.8	0.98	36.8	0.99	40.8	1.01	44.3	1.02	48.8	1.04	52.8	1.06	60
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
13.7	0.85	16.7	0.87	19.7	0.90	22.7	0.93	25.7	0.95	29.2	0.96	32.7	0.98	36.2	1.00	39.7	1.01	61
11.8	0.84	14.9	0.86	17.9	0.89	20.9	0.92	23.9	0.94	27.4	0.96	30.9	0.98	34.4	0.99	37.9	1.01	62
11.2	0.83	14.2	0.86	17.2	0.89	20.3	0.92	23.3	0.94	26.8	0.96	30.3	0.98	33.8	0.99	37.3	1.01	63
10.5	0.83	13.6	0.86	16.6	0.88	19.6	0.92	22.6	0.94	26.1	0.96	29.6	0.97	33.2	0.99	36.7	1.00	64
—	—	12.8	0.85	15.8	0.88	18.8	0.92	21.8	0.94	25.3	0.95	28.9	0.97	32.4	0.99	35.9	1.00	65
B74		**B86**		**B98**		**B108**		**B120**		**B133**		**B144**		**B158**		**B173**		
20.5	0.93	26.5	0.97	32.5	1.00	37.5	1.02	43.6	1.05	50.1	1.07	55.6	1.09	62.6	1.12	70.1	1.14	66
19.4	0.93	25.5	0.96	31.5	0.99	36.5	1.01	42.5	1.05	49.0	1.07	54.5	1.08	61.5	1.12	69.1	1.13	67
17.3	0.92	23.4	0.96	29.4	0.99	34.4	1.01	40.5	1.05	47.0	1.07	52.5	1.08	59.5	1.11	67.0	1.13	68
—	—	20.2	0.94	26.3	0.98	31.3	1.00	37.3	1.04	43.9	1.06	49.4	1.08	56.4	1.11	63.9	1.13	69
—	—	18.1	0.93	24.2	0.97	29.2	0.99	35.3	1.03	41.8	1.06	47.3	1.07	54.3	1.11	61.8	1.13	70
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
17.6	0.86	20.6	0.89	23.6	0.91	26.6	0.94	29.6	0.96	33.1	0.97	36.6	0.99	40.1	1.00	43.6	1.01	71
15.5	0.86	18.5	0.88	21.5	0.90	24.5	0.93	27.5	0.95	31.1	0.97	34.6	0.98	38.1	1.00	41.6	1.01	72
15.1	0.85	18.1	0.88	21.1	0.90	24.1	0.93	27.2	0.95	30.7	0.97	34.2	0.98	37.7	1.00	41.2	1.01	73
13.8	0.85	16.9	0.87	19.9	0.90	22.9	0.93	25.9	0.95	29.4	0.96	32.9	0.98	36.4	1.00	39.9	1.01	74
—	—	12.3	0.85	15.3	0.88	18.3	0.91	21.3	0.93	24.9	0.95	28.4	0.97	31.9	0.99	35.4	1.00	75

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Datum Diameter Driver	Datum Diameter Driven	Type Fix.	Type Var.	Nominal Driven Speeds and Horsepower per Belt — 3500 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	1750 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	Center Distance in Inches and "F" Factor for Browning Belts: Belt No.	C.D.	F	Belt No.	C.D.	F	Belt No.	C.D.	F
														B28			B34			B40		
1	1.61	1	6	3.6	6.0	X	—	2173	4.70	8.62	1086	3.56	5.74	7.3	0.76		10.3	0.80		13.3	0.83	
2	1.61	1	2	4.1	6.8	X	—	2173	6.31	10.23	1086	4.66	6.82	—	—		9.2	0.79		12.3	0.83	
3	1.61	1	2	5.1	8.4	X	X	2173	9.89	14.27	1086	7.35	9.15	—	—		—	—		10.2	0.81	
4	1.61	1	6	5.2	8.6	X	—	2173	10.23	14.68	1086	7.61	9.43	—	—		—	—		9.9	0.81	
5	1.61	1	1	5.4	8.9	X	X	2173	10.89	15.47	1086	8.13	9.98	—	—		—	—		9.5	0.81	
														B32			B41			B49		
6	1.61	1	1	6.0	9.9	X	X	2173	12.66	17.69	1086	9.65	11.60	—	—		—	—		12.8	0.85	
7	1.61	1	10	9.4	15.4	X	X	—	—	—	1086	17.19	19.92	—	—		—	—		—	—	
8	1.62	1	2	3.2	5.4	X	—	2160	3.32	7.23	1080	2.68	4.85	10.1	0.79		14.6	0.84		18.6	0.87	
9	1.62	1	6	4.2	7.0	X	—	2160	6.62	10.54	1080	4.94	7.03	8.0	0.77		12.5	0.83		16.5	0.87	
10	1.62	1	6	4.8	8.0	X	—	2160	8.82	13.02	1080	6.56	8.31	—	—		11.2	0.82		15.3	0.86	
														B28			B34			B40		
11	1.62	1	1	6.6	10.9	X	X	2160	14.12	19.65	1080	11.11	13.18	—	—		—	—		—	—	
12	1.62	1	1	6.9	11.4	X	X	—	—	—	1080	11.82	13.95	—	—		—	—		—	—	
13	1.63	1	2	3.0	5.1	X	X	2147	2.59	6.51	1073	2.23	4.39	8.5	0.77		11.5	0.81		14.5	0.84	
14	1.63	1	6	3.8	6.4	X	—	2147	5.37	9.28	1073	3.99	6.17	6.8	0.75		9.8	0.79		12.8	0.83	
15	1.63	1	1	4.1	6.9	X	—	2147	6.33	10.23	1073	4.66	6.82	—	—		9.2	0.79		12.2	0.82	
														B28			B34			B40		
16	1.63	1	6	4.4	7.4	X	—	2147	7.29	11.26	1073	5.48	7.45	—	—		8.5	0.78		11.5	0.82	
17	1.63	1	10	5.4	9.0	X	X	2147	10.89	15.47	1073	8.13	9.98	—	—		—	—		9.4	0.80	
18	1.63	1	10	6.6	11.0	X	X	2147	14.12	19.65	1073	11.11	13.18	—	—		—	—		—	—	
19	1.64	1	6	3.4	5.8	X	—	2134	4.03	8.16	1067	3.13	5.41	7.6	0.76		10.6	0.80		13.6	0.83	
20	1.64	1	2	3.6	6.1	X	—	2134	4.71	8.84	1067	3.56	5.85	7.2	0.75		10.2	0.80		13.2	0.83	
														B28			B34			B40		
21	1.64	1	2	3.9	6.6	X	X	2134	5.70	9.83	1067	4.21	6.50	6.5	0.74		9.6	0.79		12.6	0.83	
22	1.64	1	1	4.2	7.1	X	—	2134	6.63	10.76	1067	4.94	7.14	—	—		8.9	0.79		11.9	0.82	
23	1.64	1	2	5.0	8.4	X	—	2134	9.54	13.86	1067	7.09	8.87	—	—		—	—		10.2	0.81	
24	1.64	1	2	5.1	8.6	X	X	2134	9.89	14.27	1067	7.35	9.15	—	—		—	—		10.0	0.81	
25	1.64	1	10	5.6	9.4	X	X	2134	11.51	16.24	1067	8.64	10.52	—	—		—	—		8.9	0.80	
														B32			B40			B48		
26	1.64	1	1	5.9	9.9	X	X	2134	12.38	17.33	1067	9.40	11.33	—	—		—	—		12.3	0.84	
27	1.64	1	2	6.2	10.4	X	—	2134	13.18	18.37	1067	10.14	12.13	—	—		—	—		11.7	0.83	
28	1.64	1	2	6.8	11.4	X	—	—	—	—	1067	11.59	13.69	—	—		—	—		10.4	0.82	
29	1.64	1	10	7.4	12.4	X	X	—	—	—	1067	12.98	15.21	—	—		—	—		—	—	
30	1.64	3	2	9.0	15.0	X	—	—	—	—	1067	16.40	19.02	—	—		—	—		—	—	
														B36			B47			B58		
31	1.65	1	6	4.0	6.8	X	—	2121	6.02	10.14	1060	4.42	6.72	10.3	0.80		15.9	0.86		21.4	0.90	
32	1.65	1	2	4.1	7.0	X	—	2121	6.33	10.46	1060	4.66	6.93	10.1	0.80		15.6	0.86		21.1	0.90	
33	1.65	1	2	8.0	13.4	X	—	—	—	—	1060	14.31	16.68	—	—		—	—		12.8	0.86	
34	1.65	1	1	8.6	14.4	X	—	—	—	—	1060	15.59	18.10	—	—		—	—		—	—	
35	1.65	1	10	11.0	18.4	X	—	—	—	—	1060	20.04	23.27	—	—		—	—		—	—	
														B36			B47			B58		
36	1.66	1	2	3.0	5.2	X	X	2108	2.61	6.73	1054	2.24	4.50	12.4	0.82		17.9	0.87		23.4	0.90	
37	1.66	1	6	3.6	6.2	X	—	2108	4.72	8.84	1054	3.57	5.85	11.1	0.81		16.7	0.86		22.2	0.90	
38	1.66	1	1	10.9	18.4	X	—	—	—	—	1054	19.87	23.07	—	—		—	—		—	—	
39	1.67	1	2	3.4	5.9	X	—	2095	4.04	8.16	1047	3.13	5.41	11.5	0.81		17.1	0.86		22.6	0.90	
40	1.67	1	1	4.0	6.9	X	—	2095	6.03	10.14	1047	4.43	6.72	10.2	0.80		15.8	0.86		21.3	0.90	
														B28			B34			B40		
41	1.67	1	1	4.6	7.9	X	—	2095	8.07	12.15	1047	6.02	7.98	—	—		7.9	0.77		11.0	0.81	
42	1.67	1	2	4.9	8.4	X	X	2095	9.18	13.44	1047	6.82	8.59	—	—		—	—		10.3	0.81	
43	1.67	1	6	5.0	8.6	X	—	2095	9.54	13.86	1047	7.09	8.87	—	—		—	—		10.1	0.81	
44	1.67	1	1	5.2	8.9	X	—	2095	10.23	14.68	1047	7.61	9.43	—	—		—	—		9.7	0.80	
45	1.67	1	1	5.8	9.9	X	—	2095	12.10	16.98	1047	9.15	11.06	—	—		—	—		—	—	
														B28			B36			B44		
46	1.67	1	2	6.1	10.4	X	X	2095	12.92	18.03	1047	9.89	11.87	—	—		—	—		9.7	0.81	
47	1.67	1	1	6.4	10.9	X	X	2095	13.67	19.02	1047	10.63	12.66	—	—		—	—		—	—	
48	1.67	1	1	7.9	13.4	X	—	—	—	—	1047	14.09	16.44	—	—		—	—		—	—	
49	1.67	1	10	8.0	13.6	X	—	—	—	—	1047	14.31	16.68	—	—		—	—		—	—	
50	1.68	1	2	3.2	5.6	X	—	2083	3.34	7.46	1041	2.69	4.96	7.9	0.76		11.9	0.81		15.9	0.85	
														B32			B40			B48		
51	1.68	1	6	3.8	6.6	X	—	2083	5.39	9.50	1041	4.00	6.29	8.6	0.78		12.7	0.83		16.7	0.86	
52	1.68	1	1	4.1	7.1	X	—	2083	6.34	10.46	1041	4.66	6.93	8.0	0.77		12.0	0.82		16.0	0.86	
53	1.68	1	10	6.4	11.0	X	X	2083	13.67	19.02	1041	10.63	12.66	—	—		—	—		11.0	0.83	
54	1.68	1	1	8.4	14.4	X	X	—	—	—	1041	15.17	17.63	—	—		—	—		—	—	
55	1.68	1	10	9.0	15.4	X	—	—	—	—	1041	16.40	19.02	—	—		—	—		—	—	
														B32			B41			B49		
56	1.68	1	6	9.4	16.0	X	X	—	—	—	1041	17.19	19.92	—	—		—	—		—	—	
57	1.69	1	2	3.9	6.8	X	X	2071	5.72	9.83	1035	4.22	6.50	8.4	0.77		12.9	0.83		16.9	0.87	
58	1.69	1	6	4.0	7.0	X	—	2071	6.04	10.14	1035	4.43	6.72	8.1	0.77		12.7	0.83		16.7	0.86	
59	1.69	1	6	4.6	8.0	X	—	2071	8.07	12.15	1035	6.02	7.98	—	—		11.4	0.82		15.4	0.86	
60	1.69	1	6	5.2	9.0	X	—	2071	10.23	14.68	1035	7.61	9.43	—	—		10.1	0.81		14.1	0.85	
														B28			B36			B44		
61	1.69	1	2	6.0	10.4	X	X	2071	12.66	17.69	1035	9.65	11.60	—	—		—	—		9.8	0.81	
62	1.69	1	2	6.6	11.4	X	X	2071	14.12	19.65	1035	11.11	13.18	—	—		—	—		—	—	
63	1.69	1	1	7.9	13.6	X	—	—	—	—	1035	14.09	16.44	—	—		—	—		—	—	
64	1.70	1	6	3.4	6.0	X	—	2058	4.05	8.16	1029	3.14	5.41	7.4	0.75		11.4	0.81		15.5	0.85	
65	1.70	1	2	4.8	8.4	X	—	2058	8.82	13.02	1029	6.56	8.39	—	—		8.3	0.78		12.4	0.83	
														B42			B55			B70		
66	1.70	1	1	5.1	8.9	X	X	2058	9.89	14.27	1029	7.35	9.15	10.7	0.81		17.3	0.88		24.8	0.94	
67	1.70	1	10	5.4	9.4	X	X	2058	10.89	15.47	1029	8.13	9.98	10.1	0.81		16.7	0.87		24.2	0.94	
68	1.70	1	1	8.9	15.4	X	—	—	—	—	1029	16.20	18.80	—	—		—	—		16.5	0.90	
69	1.70	1	4	13.6	23.4	X	—	—	—	—	1029	23.53	27.79	—	—		—	—		—	—	
70	1.71	1	6	3.6	6.4	X	—	2046	4.74	8.84	1023	3.58	5.85	14.0	0.84		20.5	0.89		28.0	0.95	
														B32			B40			B48		
71	1.71	1	1	3.9	6.9	X	X	2046	5.73	9.83	1023	4.22	6.50	8.3	0.77		12.3	0.82		16.4	0.86	
72	1.71	1	6	4.2	7.4	X	—	2046	6.66	10.76	1023	4.94	7.14	7.6	0.76		11.7	0.82		15.7	0.86	
73	1.71	1	2	4.9	8.6	X	X	2046	9.18	13.44	1023	6.82	8.59	—	—		10.1	0.81		14.2	0.85	
74	1.71	1	1	7.1	12.4	X	X	—	—	—	1023	12.29	14.46	—	—		—	—		—	—	
75	1.71	3	2	8.6	15.0	X	—	—	—	—	1023	15.59	18.10	—	—		—	—		—	—	

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts

Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
16.3	0.86	19.3	0.88	22.3	0.90	25.3	0.94	28.3	0.95	31.8	0.97	35.3	0.99	38.8	1.00	42.3	1.01	1
15.3	0.85	18.3	0.88	21.3	0.90	24.3	0.93	27.3	0.95	30.8	0.97	34.3	0.98	37.8	1.00	41.3	1.01	2
13.2	0.84	16.2	0.87	19.2	0.89	22.2	0.93	25.2	0.94	28.8	0.96	32.3	0.98	35.8	0.99	39.3	1.01	3
13.0	0.84	16.0	0.87	19.0	0.89	22.0	0.93	25.0	0.94	28.5	0.96	32.0	0.98	35.5	0.99	39.0	1.01	4
12.6	0.84	15.6	0.87	18.6	0.89	21.6	0.93	24.6	0.94	28.1	0.96	31.6	0.98	35.1	0.99	38.6	1.01	5
B58		**B67**		**B76**		**B85**		**B94**		**B103**		**B112**		**B120**		**B128**		
17.3	0.88	21.8	0.93	26.3	0.96	30.9	0.98	35.4	1.00	39.9	1.01	44.4	1.03	48.4	1.06	52.4	1.07	6
—	—	14.6	0.89	19.2	0.93	23.7	0.96	28.3	0.98	32.8	1.00	37.3	1.02	41.3	1.05	45.3	1.06	7
23.1	0.90	27.6	0.95	32.1	0.97	36.6	0.99	41.1	1.01	45.6	1.02	50.1	1.04	54.1	1.06	58.1	1.08	8
21.1	0.90	25.6	0.94	30.1	0.96	34.6	0.99	39.1	1.00	43.6	1.02	48.1	1.04	52.1	1.06	56.1	1.07	9
19.8	0.89	24.3	0.94	28.8	0.96	33.3	0.98	37.8	1.00	42.3	1.02	46.8	1.03	50.8	1.06	54.8	1.07	10
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
9.9	0.82	13.0	0.85	16.0	0.88	19.0	0.92	22.1	0.93	25.6	0.95	29.1	0.97	32.6	0.99	36.1	1.00	11
—	—	12.3	0.85	15.4	0.87	18.4	0.91	21.4	0.93	24.9	0.95	28.4	0.97	32.0	0.99	35.5	1.00	12
17.5	0.86	20.5	0.89	23.5	0.91	26.5	0.94	29.5	0.95	33.0	0.97	36.5	0.99	40.0	1.00	43.5	1.01	13
15.8	0.86	18.8	0.88	21.9	0.90	24.9	0.93	27.9	0.95	31.4	0.97	34.9	0.98	38.4	1.00	41.9	1.01	14
15.2	0.85	18.2	0.88	21.2	0.90	24.2	0.93	27.2	0.95	30.7	0.97	34.2	0.98	37.7	1.00	41.2	1.01	15
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
14.6	0.85	17.6	0.88	20.6	0.90	23.6	0.93	26.6	0.95	30.1	0.97	33.6	0.98	37.1	1.00	40.6	1.01	16
12.5	0.84	15.5	0.87	18.5	0.89	21.5	0.92	24.5	0.94	28.0	0.96	31.5	0.98	35.0	0.99	38.6	1.01	17
—	—	12.9	0.85	15.9	0.88	19.0	0.91	22.0	0.93	25.5	0.95	29.0	0.97	32.5	0.99	36.0	1.00	18
16.6	0.86	19.6	0.88	22.6	0.90	25.6	0.94	28.7	0.95	32.2	0.97	35.7	0.99	39.2	1.00	42.7	1.01	19
16.2	0.86	19.2	0.88	22.3	0.90	25.3	0.94	28.3	0.95	31.8	0.97	35.3	0.98	38.8	1.00	42.3	1.01	20
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
15.6	0.86	18.6	0.88	21.6	0.90	24.6	0.93	27.6	0.95	31.1	0.97	34.6	0.98	38.1	1.00	41.6	1.01	21
15.0	0.85	18.0	0.88	21.0	0.90	24.0	0.93	27.0	0.95	30.5	0.97	34.0	0.98	37.5	1.00	41.0	1.01	22
13.3	0.84	16.3	0.87	19.3	0.89	22.3	0.93	25.3	0.94	28.8	0.96	32.3	0.98	35.8	0.99	39.3	1.01	23
13.0	0.84	16.1	0.87	19.1	0.89	22.1	0.93	25.1	0.94	28.6	0.96	32.1	0.98	35.6	0.99	39.1	1.01	24
12.0	0.83	15.0	0.86	18.0	0.89	21.0	0.92	24.0	0.94	27.6	0.96	31.1	0.98	34.6	0.99	38.1	1.01	25
B56		**B64**		**B72**		**B80**		**B88**		**B96**		**B103**		**B112**		**B120**		
16.4	0.88	20.4	0.92	24.4	0.94	28.4	0.97	32.4	0.98	36.4	1.00	39.9	1.01	44.5	1.03	48.5	1.06	26
15.7	0.87	19.8	0.92	23.8	0.94	27.8	0.96	31.8	0.98	35.8	1.00	39.3	1.01	43.8	1.03	47.8	1.06	27
14.4	0.87	18.5	0.91	22.5	0.94	26.5	0.96	30.5	0.98	34.5	1.00	38.0	1.01	42.6	1.03	46.6	1.05	28
13.1	0.86	17.2	0.90	21.2	0.93	25.2	0.96	29.3	0.98	33.3	0.99	36.8	1.01	41.3	1.02	45.3	1.05	29
—	—	13.7	0.88	17.8	0.92	21.9	0.94	25.9	0.97	29.9	0.99	33.4	1.00	37.9	1.02	42.0	1.05	30
B69		**B80**		**B91**		**B103**		**B116**		**B128**		**B140**		**B150**		**B162**		
26.9	0.95	32.4	0.97	37.9	1.00	43.9	1.02	50.4	1.06	56.4	1.07	62.4	1.09	67.4	1.10	73.4	1.13	31
26.6	0.95	32.2	0.97	37.7	1.00	43.7	1.02	50.2	1.06	56.2	1.07	62.2	1.09	67.2	1.10	73.2	1.13	32
18.4	0.92	23.9	0.95	29.5	0.98	35.5	1.00	42.0	1.04	48.0	1.06	54.0	1.08	59.0	1.09	65.0	1.12	33
17.1	0.91	22.7	0.95	28.2	0.98	34.2	1.00	40.7	1.04	46.8	1.06	52.8	1.08	57.8	1.09	63.8	1.12	34
—	—	17.4	0.92	23.0	0.96	29.1	0.99	35.6	1.03	41.7	1.05	47.7	1.07	52.7	1.08	58.7	1.11	35
B69		**B80**		**B91**		**B103**		**B116**		**B128**		**B140**		**B150**		**B162**		
28.9	0.95	34.4	0.98	39.9	1.00	45.9	1.02	52.5	1.06	58.5	1.08	64.5	1.09	69.5	1.10	75.5	1.13	36
27.7	0.95	33.2	0.98	38.7	1.00	44.7	1.02	51.2	1.06	57.2	1.07	63.2	1.09	68.2	1.10	74.2	1.13	37
—	—	17.5	0.92	23.1	0.96	29.2	0.99	35.7	1.03	41.7	1.05	47.8	1.07	52.8	1.08	58.8	1.11	38
28.1	0.95	33.6	0.98	39.1	1.00	45.1	1.02	51.6	1.06	57.6	1.08	63.6	1.09	68.6	1.10	74.6	1.13	39
26.8	0.95	32.3	0.97	37.8	1.00	43.8	1.02	50.3	1.06	56.3	1.07	62.3	1.09	67.3	1.10	73.3	1.13	40
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
14.0	0.85	17.0	0.87	20.0	0.89	23.0	0.93	26.0	0.95	29.5	0.96	33.0	0.98	36.6	0.99	40.1	1.01	41
3.3	0.84	16.4	0.87	19.4	0.89	22.4	0.93	25.4	0.94	28.9	0.96	32.4	0.98	35.9	0.99	39.4	1.01	42
13.1	0.84	16.1	0.87	19.1	0.89	22.2	0.93	25.2	0.94	28.7	0.96	32.2	0.98	35.7	0.99	39.2	1.01	43
12.7	0.84	15.7	0.87	18.7	0.89	21.8	0.92	24.8	0.94	28.3	0.96	31.8	0.98	35.3	0.99	38.8	1.01	44
11.4	0.83	14.4	0.86	17.5	0.88	20.5	0.92	23.5	0.94	27.0	0.96	30.5	0.97	34.0	0.99	37.5	1.00	45
B52		**B59**		**B66**		**B73**		**B80**		**B87**		**B94**		**B103**		**B112**		
13.8	0.85	17.3	0.88	20.8	0.92	24.4	0.94	27.9	0.96	31.4	0.98	34.9	0.99	39.4	1.01	43.9	1.03	46
13.1	0.85	16.7	0.88	20.2	0.92	23.7	0.94	27.2	0.96	30.7	0.98	34.2	0.99	38.8	1.01	43.3	1.03	47
—	—	13.4	0.86	17.0	0.90	20.5	0.93	24.0	0.95	27.5	0.97	31.1	0.99	35.6	1.00	40.1	1.02	48
—	—	13.1	0.86	16.7	0.90	20.3	0.93	23.8	0.95	27.3	0.97	30.8	0.98	35.3	1.00	39.8	1.02	49
20.0	0.88	23.5	0.91	27.0	0.94	30.5	0.96	34.0	0.98	37.5	0.99	41.0	1.01	45.5	1.02	50.0	1.04	50
B56		**B64**		**B72**		**B80**		**B88**		**B96**		**B103**		**B112**		**B120**		
20.7	0.89	24.7	0.93	28.7	0.95	32.7	0.97	36.7	0.99	40.7	1.01	44.2	1.02	48.7	1.04	52.7	1.06	51
20.1	0.89	24.1	0.93	28.1	0.95	32.1	0.97	36.1	0.99	40.1	1.01	43.6	1.02	48.1	1.03	52.1	1.06	52
15.1	0.87	19.1	0.91	23.1	0.94	27.1	0.96	31.2	0.98	35.2	1.00	38.7	1.01	43.2	1.03	47.2	1.05	53
—	—	14.7	0.89	18.8	0.92	22.8	0.95	26.8	0.97	30.9	0.99	34.4	1.00	38.9	1.02	42.9	1.05	54
—	—	13.4	0.88	17.5	0.91	21.5	0.94	25.5	0.96	29.6	0.98	33.1	1.00	37.6	1.02	41.6	1.04	55
B58		**B67**		**B76**		**B85**		**B94**		**B103**		**B112**		**B120**		**B128**		
—	—	14.1	0.88	18.7	0.92	23.2	0.95	27.8	0.98	32.3	1.00	36.8	1.01	40.8	1.04	44.8	1.06	56
21.5	0.90	26.0	0.94	30.5	0.96	35.0	0.98	39.5	1.00	44.0	1.02	48.5	1.03	52.5	1.06	56.5	1.07	57
21.2	0.90	25.7	0.94	30.2	0.96	34.7	0.98	39.2	1.00	43.7	1.02	48.2	1.03	52.2	1.06	56.2	1.07	58
19.9	0.89	24.4	0.94	29.0	0.96	33.5	0.98	38.0	1.00	42.5	1.02	47.0	1.03	51.0	1.06	55.0	1.07	59
18.7	0.89	23.2	0.93	27.7	0.96	32.2	0.98	36.7	1.00	41.2	1.02	45.7	1.03	49.7	1.06	53.7	1.07	60
B52		**B59**		**B66**		**B73**		**B80**		**B87**		**B94**		**B103**		**B112**		
13.9	0.85	17.4	0.88	20.9	0.92	24.4	0.94	27.9	0.96	31.4	0.98	35.0	0.99	39.5	1.01	44.0	1.03	61
12.5	0.84	16.1	0.88	19.6	0.92	23.1	0.94	26.7	0.96	30.2	0.98	33.7	0.99	38.2	1.01	42.7	1.03	62
—	—	13.2	0.86	16.8	0.90	20.3	0.93	23.9	0.95	27.4	0.97	30.9	0.98	35.4	1.00	39.9	1.02	63
19.5	0.88	23.0	0.90	26.5	0.94	30.0	0.96	33.5	0.98	37.0	0.99	40.5	1.00	45.0	1.02	49.5	1.04	64
16.4	0.87	20.0	0.89	23.5	0.93	27.0	0.95	30.5	0.97	34.0	0.98	37.5	1.00	42.0	1.02	46.5	1.03	65
B85		**B100**		**B116**		**B128**		**B144**		**B154**		**B162**		**B173**		**B195**		
32.4	0.98	39.9	1.01	47.9	1.05	53.9	1.07	61.9	1.09	66.9	1.12	70.9	1.13	76.4	1.14	87.4	1.16	66
31.7	0.98	39.2	1.01	47.2	1.05	53.2	1.07	61.2	1.09	66.3	1.12	70.3	1.13	75.8	1.14	86.8	1.16	67
24.1	0.95	31.7	0.99	39.7	1.04	45.7	1.06	53.7	1.08	58.7	1.11	62.7	1.12	68.2	1.13	79.3	1.15	68
—	—	21.3	0.95	29.4	1.01	35.5	1.03	43.6	1.06	48.6	1.09	52.6	1.10	58.1	1.12	69.2	1.14	69
35.5	0.99	43.0	1.01	51.0	1.06	57.0	1.07	65.0	1.09	70.0	1.12	74.0	1.13	79.5	1.14	90.5	1.16	70
B56		**B64**		**B72**		**B80**		**B88**		**B96**		**B103**		**B112**		**B120**		
20.4	0.89	24.4	0.93	28.4	0.95	32.4	0.97	36.4	0.99	40.4	1.01	43.9	1.02	48.4	1.03	52.4	1.06	71
19.7	0.89	23.7	0.93	27.7	0.95	31.8	0.97	35.8	0.99	39.8	1.01	43.3	1.02	47.8	1.03	51.8	1.06	72
18.2	0.88	22.2	0.92	26.2	0.95	30.2	0.97	34.3	0.99	38.3	1.00	41.8	1.02	46.3	1.03	50.3	1.06	73
13.3	0.85	17.4	0.90	21.4	0.93	25.5	0.95	29.5	0.97	33.5	0.99	37.0	1.01	41.5	1.02	45.5	1.05	74
—	—	14.0	0.88	18.1	0.91	22.1	0.94	26.2	0.96	30.2	0.98	33.7	1.00	38.2	1.02	42.3	1.05	75

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Datum Diameter Driver	Datum Diameter Driven	Type Fix.	Type Var.	Nominal Driven Speeds and Horsepower per Belt — 3500 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	1750 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	Center Distance in Inches and "F" Factor for Browning Belts: Belt No.	C.D.	F	Belt No.	C.D.	F	Belt No.	C.D.	F
														B28			B34			B40		
1	1.72	1	2	3.0	5.4	X	X	2034	2.63	6.73	1017	2.25	4.50	8.2	0.76		11.2	0.80		14.3	0.83	
2	1.72	1	2	3.4	6.1	X	—	2034	4.06	8.16	1017	3.14	5.41	7.3	0.75		10.4	0.80		13.4	0.83	
3	1.72	1	1	4.0	7.1	X	—	2034	6.05	10.14	1017	4.44	6.72	—	—		9.1	0.78		12.1	0.82	
4	1.72	1	2	5.1	9.0	X	X	2034	9.89	14.27	1017	7.35	9.15	—	—		—	—		9.6	0.80	
5	1.72	1	1	5.6	9.9	X	X	2034	11.51	16.24	1017	8.64	10.52	—	—		—	—		—	—	
														B42			B55			B70		
6	1.72	1	2	5.9	10.4	X	X	2034	12.38	17.33	1017	9.40	11.33	—	—		15.4	0.87		23.0	0.93	
7	1.72	1	1	6.2	10.9	X	—	2034	13.18	18.37	1017	10.14	12.13	—	—		14.8	0.86		22.4	0.93	
8	1.72	1	2	13.4	23.4	X	—	—	—	—	1017	23.32	27.49	—	—		—	—		—	—	
9	1.73	1	6	3.8	6.8	X	—	2023	5.41	9.50	1011	4.01	6.29	13.5	0.83		20.0	0.89		27.5	0.95	
10	1.73	1	2	3.9	7.0	X	X	2023	5.74	9.83	1011	4.23	6.50	13.3	0.83		19.8	0.89		27.3	0.95	
														B38			B50			B62		
11	1.73	1	1	5.0	8.9	X	—	2023	9.54	13.86	1011	7.09	8.87	8.8	0.79		14.9	0.86		20.9	0.92	
12	1.73	1	10	6.2	11.0	X	—	2023	13.18	18.37	1011	10.14	12.13	—	—		12.2	0.84		18.2	0.90	
13	1.73	1	10	7.0	12.4	X	—	—	—	—	1011	12.06	14.20	—	—		—	—		16.4	0.89	
14	1.73	1	2	11.4	20.0	X	—	—	—	—	1011	20.67	24.04	—	—		—	—		—	—	
15	1.74	1	2	3.2	5.8	X	—	2011	3.36	7.46	1005	2.70	4.96	12.8	0.82		18.8	0.87		24.8	0.93	
														B36			B46			B56		
16	1.74	1	1	4.4	7.9	X	—	2011	7.29	11.36	1005	5.48	7.56	9.1	0.79		14.1	0.84		19.2	0.89	
17	1.74	1	6	4.8	8.6	X	—	2011	8.82	13.02	1005	6.56	8.39	8.2	0.78		13.2	0.84		18.3	0.88	
18	1.74	1	2	6.4	11.4	X	X	2011	13.67	19.02	1005	10.63	12.66	—	—		—	—		14.7	0.86	
19	1.74	1	2	10.4	18.4	X	—	—	—	—	1005	19.03	22.06	—	—		—	—		—	—	
20	1.75	1	6	3.4	6.2	X	—	2000	4.07	8.16	1000	3.15	5.41	11.3	0.81		16.3	0.86		21.3	0.89	
														B28			B34			B40		
21	1.75	1	1	3.8	6.9	X	—	2000	5.42	9.50	1000	4.01	6.29	—	—		9.4	0.79		12.4	0.82	
22	1.75	1	2	4.1	7.4	X	—	2000	6.37	10.46	1000	4.66	6.93	—	—		8.7	0.78		11.8	0.82	
23	1.75	1	6	5.0	9.0	X	—	2000	9.54	13.86	1000	7.09	8.87	—	—		—	—		9.7	0.80	
24	1.75	1	2	5.8	10.4	X	—	2000	12.10	16.98	1000	9.15	11.06	—	—		—	—		—	—	
25	1.75	1	1	6.1	10.9	X	X	2000	12.92	18.03	1000	9.89	11.87	—	—		—	—		—	—	
														B32			B41			B49		
26	1.75	3	2	8.4	15.0	X	X	—	—	—	1000	15.17	17.63	—	—		—	—		—	—	
27	1.75	1	6	9.0	16.0	X	—	—	—	—	1000	16.40	19.02	—	—		—	—		—	—	
28	1.76	1	6	3.6	6.6	X	—	1988	4.76	8.84	994	3.58	5.85	8.8	0.77		13.3	0.83		17.3	0.87	
29	1.76	1	1	3.9	7.1	X	X	1988	5.74	9.83	994	4.23	6.50	8.1	0.77		12.7	0.83		16.7	0.86	
30	1.76	1	6	4.4	8.0	X	—	1988	7.29	11.36	994	5.48	7.56	—	—		11.5	0.82		15.6	0.86	
														B32			B40			B48		
31	1.76	1	1	4.9	8.9	X	X	1988	9.18	13.44	994	6.82	8.59	—	—		9.9	0.80		13.9	0.85	
32	1.76	1	6	5.2	9.4	X	—	1988	10.23	14.68	994	7.61	9.43	—	—		9.2	0.79		13.3	0.84	
33	1.76	1	2	6.1	11.0	X	X	1988	12.92	18.03	994	9.89	11.87	—	—		—	—		11.2	0.82	
34	1.76	1	1	6.9	12.4	X	X	—	—	—	994	11.82	13.95	—	—		—	—		—	—	
35	1.76	1	10	8.6	15.4	X	—	—	—	—	994	15.59	18.10	—	—		—	—		—	—	
														B28			B36			B44		
36	1.77	1	2	3.2	5.9	X	—	1977	3.37	7.46	988	2.71	4.96	7.6	0.75		11.7	0.81		15.7	0.85	
37	1.77	1	2	4.6	8.4	X	—	1977	8.07	12.15	988	6.02	7.98	—	—		8.5	0.78		12.6	0.83	
38	1.77	1	1	6.0	10.9	X	X	1977	12.66	17.69	988	9.65	11.60	—	—		—	—		—	—	
39	1.77	1	2	7.4	13.4	X	X	—	—	—	988	12.98	15.21	—	—		—	—		—	—	
40	1.77	1	1	8.0	14.4	X	—	—	—	—	988	14.31	16.68	—	—		—	—		—	—	
														B32			B41			B49		
41	1.77	1	1	8.9	16.0	X	—	—	—	—	988	16.20	18.80	—	—		—	—		—	—	
42	1.78	1	2	3.0	5.6	X	X	1966	2.65	6.73	983	2.26	4.50	10.1	0.79		14.6	0.84		18.6	0.87	
43	1.78	1	6	3.8	7.0	X	—	1966	5.43	9.50	983	4.02	6.29	8.3	0.77		12.8	0.83		16.8	0.86	
44	1.78	1	2	4.9	9.0	X	X	1966	9.18	13.44	983	6.82	8.59	—	—		10.3	0.80		14.3	0.85	
45	1.78	1	1	5.4	9.9	X	X	1966	10.89	15.47	983	8.13	9.98	—	—		9.1	0.79		13.2	0.84	
														B28			B36			B44		
46	1.78	1	10	6.8	12.4	X	—	—	—	—	983	11.59	13.69	—	—		—	—		—	—	
47	1.79	1	6	4.0	7.4	X	—	1955	6.07	10.14	977	4.45	6.72	—	—		9.8	0.79		13.8	0.84	
48	1.79	1	2	5.1	9.4	X	X	1955	9.89	14.27	977	7.35	9.15	—	—		—	—		11.3	0.82	
49	1.79	1	10	6.0	11.0	X	X	1955	12.66	17.69	977	9.65	11.60	—	—		—	—		—	—	
50	1.79	1	1	7.9	14.4	X	—	—	—	—	977	14.09	16.44	—	—		—	—		—	—	
														B38			B50			B62		
51	1.79	1	10	11.0	20.0	X	—	—	—	—	977	20.04	23.27	—	—		—	—		—	—	
52	1.80	1	2	3.2	6.0	X	—	1944	3.38	7.46	972	2.71	4.96	12.6	0.82		18.6	0.87		24.6	0.93	
53	1.80	1	1	3.8	7.1	X	—	1944	5.43	9.50	972	4.02	6.29	11.2	0.81		17.3	0.87		23.3	0.92	
54	1.80	1	1	4.8	8.9	X	—	1944	8.82	13.02	972	6.56	8.39	8.9	0.78		15.0	0.85		21.0	0.91	
55	1.80	1	1	5.9	10.9	X	X	1944	12.38	17.33	972	9.40	11.33	—	—		12.5	0.84		18.5	0.90	
														B32			B40			B48		
56	1.80	1	2	6.2	11.4	X	—	1944	13.18	18.37	972	10.14	12.13	—	—		—	—		10.8	0.82	
57	1.80	1	10	7.4	13.6	X	X	—	—	—	972	12.98	15.21	—	—		—	—		—	—	
58	1.80	1	2	8.4	15.4	X	X	—	—	—	972	15.17	17.63	—	—		—	—		—	—	
59	1.81	1	6	3.4	6.4	X	—	1933	4.09	8.16	966	3.15	5.41	9.1	0.78		13.1	0.83		17.1	0.86	
60	1.81	1	6	4.6	8.6	X	—	1933	8.07	12.15	966	6.02	7.98	—	—		10.3	0.80		14.4	0.85	
														B38			B50			B62		
61	1.81	1	2	5.6	10.4	X	X	1933	11.51	16.24	966	8.64	10.52	—	—		13.1	0.84		19.2	0.91	
62	1.81	1	1	10.9	20.0	X	—	—	—	—	966	19.87	23.07	—	—		—	—		—	—	
63	1.82	1	2	3.2	6.1	X	—	1923	3.38	7.46	961	2.71	4.96	12.5	0.82		18.5	0.87		24.6	0.93	
64	1.82	1	6	3.6	6.8	X	—	1923	4.77	8.84	961	3.59	5.85	11.6	0.81		17.7	0.87		23.7	0.92	
65	1.82	1	1	4.2	7.9	X	—	1923	6.69	10.76	961	4.94	7.14	10.2	0.80		16.3	0.86		22.3	0.92	
														B44			B59			B74		
66	1.82	1	6	4.8	9.0	X	—	1923	8.82	13.02	961	6.56	8.39	11.9	0.82		19.5	0.89		27.0	0.95	
67	1.82	1	2	5.9	11.0	X	X	1923	12.38	17.33	961	9.40	11.33	—	—		16.9	0.88		24.5	0.94	
68	1.82	1	2	6.1	11.4	X	X	1923	12.92	18.03	961	9.89	11.87	—	—		16.4	0.87		24.0	0.94	
69	1.82	1	10	13.6	25.0	X	—	—	—	—	961	23.53	27.79	—	—		—	—		—	—	
70	1.83	1	2	3.9	7.4	X	X	1912	5.76	9.83	956	4.24	6.50	13.9	0.84		21.5	0.90		29.0	0.96	
														B36			B46			B56		
71	1.83	1	6	5.0	9.4	X	—	1912	9.54	13.86	956	7.09	8.87	—	—		12.4	0.83		17.5	0.88	
72	1.83	1	1	5.8	10.9	X	—	1912	12.10	16.98	956	9.15	11.06	—	—		10.5	0.81		15.6	0.86	
73	1.83	1	6	8.6	16.0	X	—	—	—	—	956	15.59	18.10	—	—		—	—		—	—	
74	1.83	1	1	9.9	18.4	X	—	—	—	—	956	18.13	21.01	—	—		—	—		—	—	
75	1.84	1	2	3.0	5.8	X	X	1902	2.66	6.73	951	2.27	4.50	11.9	0.81		16.9	0.86		21.9	0.89	

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts

Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
17.3	0.86	20.3	0.88	23.3	0.90	26.3	0.94	29.3	0.95	32.8	0.97	36.3	0.99	39.8	1.00	43.3	1.01	1
16.4	0.86	19.4	0.88	22.4	0.90	25.4	0.93	28.4	0.95	31.9	0.97	35.4	0.98	38.9	1.00	42.4	1.01	2
15.1	0.85	18.1	0.88	21.1	0.90	24.1	0.93	27.1	0.95	30.6	0.97	34.2	0.98	37.7	1.00	41.2	1.01	3
12.7	0.84	15.7	0.86	18.7	0.89	21.7	0.92	24.8	0.94	28.3	0.96	31.8	0.98	35.3	0.99	38.8	1.01	4
11.5	0.83	14.6	0.86	17.6	0.88	20.6	0.92	23.6	0.94	27.1	0.96	30.7	0.97	34.2	0.99	37.7	1.00	5
B85		**B100**		**B116**		**B128**		**B144**		**B154**		**B162**		**B173**		**B195**		
30.5	0.97	38.0	1.01	46.0	1.05	52.1	1.07	60.1	1.09	65.1	1.12	69.1	1.13	74.6	1.14	85.6	1.16	6
29.9	0.97	37.4	1.00	45.4	1.05	51.4	1.07	59.4	1.09	64.4	1.12	68.4	1.13	73.9	1.14	84.9	1.16	7
—	—	21.4	0.95	29.6	1.01	35.7	1.03	43.7	1.06	48.8	1.09	52.8	1.10	58.3	1.12	69.3	1.14	8
35.0	0.98	42.6	1.01	50.6	1.06	56.6	1.07	64.6	1.09	69.6	1.12	73.6	1.13	79.1	1.14	90.1	1.16	9
34.8	0.98	42.3	1.01	50.3	1.06	56.3	1.07	64.3	1.09	69.3	1.12	73.3	1.13	78.8	1.14	89.8	1.16	10
B74		**B86**		**B98**		**B108**		**B120**		**B133**		**B144**		**B158**		**B173**		
26.9	0.95	32.9	0.98	38.9	1.01	43.9	1.02	50.0	1.06	56.5	1.08	62.0	1.09	69.0	1.12	76.5	1.14	11
24.3	0.94	30.3	0.97	36.3	1.00	41.3	1.02	47.3	1.05	53.8	1.07	59.3	1.09	66.4	1.12	73.9	1.14	12
22.5	0.94	28.5	0.97	34.6	1.00	39.6	1.02	45.6	1.05	52.1	1.07	57.6	1.09	64.6	1.12	72.1	1.13	13
—	—	18.8	0.92	24.9	0.96	29.9	0.99	36.0	1.03	42.5	1.05	48.1	1.07	55.1	1.10	62.6	1.12	14
30.8	0.96	36.8	0.99	42.8	1.01	47.8	1.03	53.8	1.06	60.3	1.08	65.8	1.10	72.8	1.13	80.3	1.14	15
B66		**B76**		**B86**		**B96**		**B105**		**B116**		**B128**		**B140**		**B154**		
24.2	0.93	29.2	0.96	34.2	0.98	39.2	1.00	43.7	1.02	49.2	1.05	55.2	1.07	61.2	1.09	68.2	1.12	16
23.3	0.93	28.3	0.96	33.3	0.98	38.3	1.00	42.8	1.02	48.3	1.05	54.3	1.07	60.4	1.09	67.4	1.12	17
19.8	0.92	24.8	0.95	29.8	0.97	34.8	0.99	39.3	1.01	44.9	1.05	50.9	1.07	56.9	1.08	63.9	1.11	18
—	—	15.8	0.90	20.9	0.94	26.0	0.97	30.5	0.99	36.1	1.03	42.1	1.05	48.1	1.07	55.1	1.10	19
26.3	0.94	31.3	0.97	36.3	0.99	41.3	1.01	45.8	1.02	51.3	1.06	57.3	1.07	63.3	1.09	70.4	1.12	20
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
15.4	0.85	18.4	0.88	21.4	0.90	24.5	0.93	27.5	0.95	31.0	0.97	34.5	0.98	38.0	1.00	41.5	1.01	21
14.8	0.85	17.8	0.87	20.8	0.90	23.8	0.93	26.8	0.95	30.3	0.96	33.8	0.98	37.3	1.00	40.8	1.01	22
12.8	0.83	15.8	0.86	18.8	0.89	21.8	0.92	24.8	0.94	28.3	0.96	31.8	0.98	35.4	0.99	38.9	1.01	23
10.9	0.82	14.0	0.85	17.0	0.88	20.1	0.91	23.1	0.93	26.6	0.95	30.1	0.97	33.6	0.99	37.1	1.00	24
10.3	0.81	13.3	0.85	16.4	0.87	19.4	0.91	22.4	0.93	25.9	0.95	29.5	0.97	33.0	0.99	36.5	1.00	25
B58		**B67**		**B76**		**B85**		**B94**		**B103**		**B112**		**B120**		**B128**		
—	—	15.7	0.89	20.3	0.93	24.8	0.95	29.3	0.98	33.9	1.00	38.4	1.02	42.4	1.04	46.4	1.06	26
—	—	14.3	0.88	19.0	0.92	23.5	0.95	28.1	0.97	32.6	0.99	37.1	1.01	41.1	1.04	45.1	1.06	27
21.8	0.90	26.4	0.94	30.9	0.96	35.4	0.98	39.9	1.00	44.4	1.02	48.9	1.03	52.9	1.06	56.9	1.07	28
21.2	0.90	25.7	0.94	30.2	0.96	34.7	0.98	39.2	1.00	43.7	1.02	48.2	1.03	52.2	1.06	56.2	1.07	29
20.1	0.89	24.6	0.94	29.1	0.96	33.6	0.98	38.1	1.00	42.6	1.02	47.1	1.03	51.1	1.06	55.1	1.07	30
B56		**B64**		**B72**		**B80**		**B88**		**B96**		**B103**		**B112**		**B120**		
18.0	0.88	22.0	0.92	26.0	0.95	30.0	0.97	34.0	0.98	38.0	1.00	41.5	1.01	46.0	1.03	50.0	1.06	31
17.3	0.88	21.3	0.92	25.4	0.94	29.4	0.96	33.4	0.98	37.4	1.00	40.9	1.01	45.4	1.03	49.4	1.06	32
15.3	0.86	19.3	0.91	23.3	0.94	27.4	0.96	31.4	0.98	35.4	1.00	38.9	1.01	43.4	1.03	47.4	1.05	33
13.5	0.85	17.5	0.90	21.6	0.93	25.6	0.95	29.6	0.97	33.6	0.99	37.1	1.01	41.7	1.02	45.7	1.05	34
—	—	13.6	087	17.7	0.91	21.8	0.94	25.8	0.96	29.9	0.98	33.4	1.00	37.9	1.01	41.9	1.04	35
B52		**B59**		**B66**		**B73**		**B80**		**B87**		**B94**		**B103**		**B112**		
19.7	0.88	23.2	0.90	26.7	0.94	30.2	0.96	33.7	0.98	37.2	0.99	40.7	1.00	45.2	1.02	49.7	1.04	36
16.6	0.87	20.1	0.89	23.6	0.93	27.1	0.95	30.6	0.97	34.1	0.98	37.6	1.00	42.2	1.02	46.7	1.03	37
13.4	0.85	17.0	0.88	20.5	0.92	24.0	0.94	27.5	0.96	31.0	0.98	34.5	0.99	39.1	1.01	43.6	1.03	38
—	—	13.7	0.86	17.3	0.90	20.9	0.93	24.4	0.95	27.9	0.97	31.4	0.98	35.9	1.00	40.5	1.02	39
—	—	12.4	0.84	16.0	0.89	19.6	0.92	23.1	0.94	26.6	0.96	30.1	0.98	34.7	1.00	39.2	1.02	40
B58		**B67**		**B76**		**B85**		**B94**		**B103**		**B112**		**B120**		**B128**		
—	—	14.4	0.88	19.0	0.92	23.6	0.95	28.1	0.97	32.7	0.99	37.2	1.01	41.2	1.04	45.2	1.05	41
23.1	0.90	27.6	0.94	32.1	0.97	36.6	0.99	41.1	1.00	45.6	1.02	50.1	1.04	54.1	1.06	58.1	1.07	42
21.4	0.90	25.9	0.94	30.4	0.96	34.9	0.98	39.4	1.00	43.9	1.02	48.4	1.03	52.4	1.06	56.4	1.07	43
18.9	0.89	23.4	0.93	27.9	0.96	32.4	0.98	36.9	1.00	41.4	1.01	45.9	1.03	49.9	1.06	53.9	1.07	44
17.7	0.88	22.3	0.93	26.8	0.95	31.3	0.97	35.8	0.99	40.3	1.01	44.8	1.03	48.8	1.06	52.8	1.07	45
B52		**B59**		**B66**		**B73**		**B80**		**B87**		**B94**		**B103**		**B112**		
11.5	0.83	15.1	0.87	18.6	0.91	22.2	0.93	25.7	0.95	29.2	0.97	32.7	0.99	37.2	1.01	41.7	1.02	46
17.9	0.87	21.4	0.90	24.9	0.93	28.4	0.95	31.9	0.97	35.4	0.99	38.9	1.00	43.4	1.02	47.9	1.03	47
15.4	0.86	18.9	0.89	22.4	0.93	25.9	0.95	29.4	0.96	32.9	0.98	36.5	1.00	41.0	1.01	45.5	1.03	48
13.3	0.85	16.9	0.88	20.4	0.92	23.9	0.94	27.4	0.96	31.0	0.98	34.5	0.99	39.0	1.01	43.5	1.03	49
—	—	12.5	0.84	16.1	0.89	19.6	0.92	23.2	0.94	26.7	0.96	30.2	0.98	34.7	1.00	39.3	1.02	50
B74		**B86**		**B98**		**B108**		**B120**		**B133**		**B144**		**B158**		**B173**		
—	—	19.0	0.92	25.2	0.96	30.2	0.99	36.3	1.03	42.8	1.05	48.4	1.07	55.4	1.10	62.9	1.12	51
30.6	0.96	36.7	0.99	42.7	1.01	47.7	1.03	53.7	1.06	60.2	1.08	65.7	1.10	72.7	1.13	80.2	1.14	52
29.3	0.96	35.3	0.98	41.3	1.01	46.3	1.03	52.3	1.06	58.8	1.08	64.3	1.09	71.3	1.13	78.8	1.14	53
27.1	0.95	33.1	0.98	39.1	1.00	44.1	1.02	50.1	1.06	56.6	1.08	62.1	1.09	69.1	1.12	76.6	1.14	54
24.6	0.94	30.6	0.97	36.6	1.00	41.6	1.02	47.6	1.05	54.2	1.07	59.7	1.09	66.7	1.12	74.2	1.14	55
B56		**B64**		**B72**		**B80**		**B88**		**B96**		**B103**		**B112**		**B120**		
14.9	0.86	18.9	0.91	22.9	0.93	27.0	0.96	31.0	0.98	35.0	0.99	38.5	1.01	43.0	1.02	47.0	1.05	56
12.0	0.84	16.1	0.89	20.2	0.92	24.2	0.95	28.2	0.97	32.3	0.99	35.8	1.00	40.3	1.02	44.3	1.05	57
—	—	13.8	0.87	17.9	0.91	21.9	0.94	26.0	0.96	30.0	0.98	33.5	1.00	38.1	1.01	42.1	1.04	58
21.2	0.89	25.2	0.93	29.2	0.95	33.2	0.97	37.2	0.99	41.2	1.01	44.7	1.02	49.2	1.03	52.3	1.06	59
18.4	0.88	22.4	0.92	26.5	0.95	30.5	0.97	34.5	0.99	38.5	1.00	42.0	1.01	46.5	1.03	50.5	1.06	60
B74		**B86**		**B98**		**B108**		**B120**		**B133**		**B144**		**B158**		**B173**		
25.2	0.94	31.2	0.98	37.3	1.00	42.3	1.02	48.3	1.05	54.8	1.07	60.3	1.09	67.3	1.12	74.8	1.14	61
—	—	19.1	0.92	25.2	0.96	30.3	0.99	36.4	1.03	42.9	1.05	48.4	1.07	55.5	1.10	63.0	1.12	62
30.6	0.96	36.6	0.99	42.6	1.01	47.6	1.03	53.6	1.06	60.1	1.08	65.6	1.09	72.6	1.13	80.1	1.14	63
29.7	0.96	35.7	0.99	41.7	1.01	46.7	1.03	52.7	1.06	59.2	1.08	64.7	1.09	71.7	1.13	79.2	1.14	64
28.3	0.95	34.4	0.98	40.4	1.01	45.4	1.02	51.4	1.06	57.9	1.08	63.4	1.09	70.4	1.12	77.9	1.14	65
B89		**B105**		**B120**		**B136**		**B150**		**B162**		**B180**		**B195**		**B210**		
34.5	0.99	42.5	1.02	50.0	1.06	58.0	1.08	65.0	1.10	71.0	1.13	80.0	1.15	87.5	1.16	95.0	1.17	66
32.0	0.98	40.1	1.01	47.6	1.05	55.6	1.08	62.6	1.09	68.6	1.12	77.6	1.14	85.1	1.16	92.6	1.17	67
31.6	0.98	39.6	1.01	47.1	1.05	55.1	1.08	62.1	1.09	68.1	1.12	77.1	1.14	84.6	1.16	92.1	1.17	68
—	—	22.4	0.95	30.1	1.00	38.2	1.04	45.2	1.06	51.3	1.10	60.3	1.12	67.9	1.14	75.4	1.15	69
36.5	0.99	44.5	1.02	52.0	1.06	60.0	1.08	67.0	1.10	73.0	1.13	82.0	1.15	89.5	1.16	97.0	1.18	70
B66		**B76**		**B86**		**B96**		**B105**		**B116**		**B128**		**B140**		**B154**		
22.5	0.92	27.5	0.95	32.5	0.98	37.5	1.00	42.0	1.02	47.5	1.05	53.6	1.07	59.6	1.08	66.6	1.12	71
20.6	0.92	25.7	0.95	30.7	0.97	35.7	0.99	40.2	1.01	45.7	1.05	51.7	1.07	57.7	1.08	64.7	1.11	72
14.1	0.87	19.2	0.92	24.3	0.95	29.4	0.98	33.9	1.00	39.4	1.03	45.4	1.05	51.5	1.07	58.5	1.11	73
—	—	16.1	0.89	21.3	0.93	26.3	0.96	30.9	0.99	36.4	1.02	42.5	1.05	48.5	1.07	55.5	1.10	74
27.0	0.94	32.0	0.97	37.0	0.99	42.0	1.01	46.5	1.02	52.0	1.06	58.0	1.07	64.0	1.09	71.0	1.12	75

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Datum Diameter Driver	Datum Diameter Driven	Type Fix.	Type Var.	Nominal Driven Speeds and Horsepower per Belt — 3500 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	1750 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	Center Distance in Inches and "F" Factor for Browning Belts: Belt No.	C.D.	F	Belt No.	C.D.	F	Belt No.	C.D.	F
														B44			B59			B74		
1	1.84	1	1	3.6	6.9	X	—	1902	4.78	8.84	951	3.59	5.85	14.6		0.84	22.1		0.90	29.6		0.96
2	1.84	1	6	4.2	8.0	X	—	1902	6.70	10.76	951	4.94	7.14	13.2		0.83	20.7		0.89	28.3		0.95
3	1.84	1	10	6.6	12.4	X	X	1902	14.12	19.65	951	11.11	13.18	—		—	15.2		0.86	22.8		0.93
4	1.84	3	2	8.0	15.0	X	—	—	—	—	951	14.31	16.68	—		—	—		—	19.5		0.92
5	1.84	1	2	13.4	25.0	X	—	—	—	—	951	23.32	27.49	—		—	—		—	—		—
														B28			B34			B40		
6	1.85	1	2	3.2	6.2	X	—	1891	3.39	7.46	945	2.72	4.96	7.4		0.75	10.4		0.79	13.4		0.83
7	1.85	1	2	4.4	8.4	X	—	1891	7.29	11.36	945	5.48	7.56	—		—	7.6		0.76	10.7		0.80
8	1.85	1	1	5.2	9.9	X	—	1891	10.23	14.68	945	7.61	9.43	—		—	—		—	8.7		0.78
9	1.85	1	10	5.8	11.0	X	—	1891	12.10	16.98	945	9.15	11.06	—		—	—		—	—		—
10	1.85	1	2	6.0	11.4	X	X	1891	12.66	17.69	945	9.65	11.60	—		—	—		—	—		—
														B42			B55			B70		
11	1.85	1	1	7.1	13.4	X	X	—	—	—	945	12.29	14.46	—		—	11.9		0.83	19.6		0.91
12	1.86	1	6	3.4	6.6	X	—	1881	4.10	8.16	940	3.16	5.41	14.0		0.83	20.5		0.89	28.0		0.95
13	1.86	1	1	4.1	7.9	X	—	1881	6.40	10.46	940	4.67	6.93	12.3		0.82	18.9		0.88	26.4		0.94
14	1.86	1	2	4.9	9.4	X	X	1881	9.18	13.44	940	6.82	8.59	10.4		0.80	17.0		0.87	24.6		0.94
15	1.86	1	4	12.4	23.4	X	—	—	—	—	940	22.10	25.85	—		—	—		—	—		—
														B28			B34			B40		
16	1.87	1	2	3.0	5.9	X	X	1871	2.67	6.73	935	2.27	4.50	7.8		0.75	10.8		0.79	13.8		0.83
17	1.87	1	6	3.6	7.0	X	—	1871	4.79	8.84	935	3.60	5.85	—		—	9.4		0.78	12.5		0.82
18	1.87	1	6	3.8	7.4	X	—	1871	5.45	9.50	935	4.03	6.29	—		—	8.9		0.78	12.0		0.81
19	1.87	1	1	4.6	8.9	X	—	1871	8.07	12.15	935	6.02	7.98	—		—	—		—	10.1		0.80
20	1.87	1	2	5.4	10.4	X	X	1871	10.89	15.47	935	8.13	9.98	—		—	—		—	—		—
														B32			B41			B49		
21	1.87	1	2	7.0	13.4	X	—	—	—	—	935	12.06	14.20	—		—	—		—	—		—
22	1.87	1	1	7.1	13.6	X	X	—	—	—	935	12.29	14.46	—		—	—		—	—		—
23	1.87	1	2	8.4	16.0	X	X	—	—	—	935	15.17	17.63	—		—	—		—	—		—
24	1.88	1	2	4.1	8.0	X	—	1861	6.40	10.46	930	4.67	6.93	—		—	11.7		0.81	15.8		0.85
25	1.88	1	1	5.1	9.9	X	X	1861	9.89	14.27	930	7.35	9.15	—		—	9.3		0.79	13.4		0.84
														B28			B34			B40		
26	1.88	1	2	5.9	11.4	X	X	1861	12.38	17.33	930	9.40	11.33	—		—	—		—	—		—
27	1.89	1	1	3.6	7.1	X	—	1851	4.79	8.84	925	3.60	5.85	—		—	9.3		0.78	12.4		0.82
28	1.89	1	6	4.4	8.6	X	—	1851	7.30	11.36	925	5.48	7.56	—		—	—		—	10.5		0.80
29	1.89	1	6	4.6	9.0	X	—	1851	8.07	12.15	925	6.02	7.98	—		—	—		—	10.0		0.79
30	1.89	1	1	5.6	10.9	X	X	1851	11.51	16.24	925	8.64	10.52	—		—	—		—	—		—
														B36			B47			B58		
31	1.89	1	10	6.4	12.4	X	X	1851	13.67	19.02	925	10.63	12.66	—		—	—		—	14.8		0.86
32	1.89	1	10	8.0	15.4	X	—	—	—	—	925	14.31	16.68	—		—	—		—	—		—
33	1.89	1	2	10.4	20.0	X	—	—	—	—	925	19.03	22.06	—		—	—		—	—		—
34	1.90	1	2	3.0	6.0	X	X	1842	2.68	6.73	921	2.27	4.50	11.7		0.80	17.3		0.86	22.8		0.90
35	1.90	1	1	4.0	7.9	X	—	1842	6.10	10.14	921	4.46	6.72	9.4		0.78	14.9		0.85	20.5		0.89
														B28			B36			B44		
36	1.90	1	6	4.8	9.4	X	—	1842	8.82	13.02	921	6.56	8.39	—		—	—		—	11.5		0.82
37	1.90	1	1	6.9	13.4	X	X	—	—	—	921	11.82	13.95	—		—	—		—	—		—
38	1.90	1	10	7.0	13.6	X	—	—	—	—	921	12.06	14.20	—		—	—		—	—		—
39	1.90	1	1	7.4	14.4	X	X	—	—	—	921	12.98	15.21	—		—	—		—	—		—
40	1.91	1	2	3.2	6.4	X	—	1832	3.40	7.46	916	2.72	4.96	7.2		0.74	11.3		0.80	15.3		0.84
														B32			B40			B48		
41	1.91	1	6	3.4	6.8	X	—	1832	4.11	8.16	916	3.16	5.41	8.7		0.77	12.8		0.82	16.8		0.86
42	1.91	1	10	5.6	11.0	X	X	1832	11.51	16.24	916	8.64	10.52	—		—	—		—	11.6		0.82
43	1.91	1	2	5.8	11.4	X	—	1832	12.10	16.98	916	9.15	11.06	—		—	—		—	11.0		0.81
44	1.91	1	1	7.9	15.4	X	—	—	—	—	916	14.09	16.44	—		—	—		—	—		—
45	1.92	1	1	5.0	9.9	X	—	1822	9.54	13.86	911	7.09	8.87	—		—	8.9		0.78	13.0		0.83
														B34			B44			B54		
46	1.92	1	2	6.8	13.4	X	—	—	—	—	911	11.59	13.69	—		—	—		—	11.6		0.82
47	1.92	1	10	9.4	18.4	X	X	—	—	—	911	17.19	19.92	—		—	—		—	—		—
48	1.93	1	2	3.0	6.1	X	X	1813	2.68	6.73	906	2.28	4.50	10.6		0.79	15.7		0.84	20.7		0.88
49	1.93	1	6	4.0	8.0	X	—	1813	6.10	10.14	906	4.46	6.72	8.2		0.76	13.3		0.83	18.4		0.87
50	1.93	1	2	4.2	8.4	X	—	1813	6.72	10.76	906	4.94	7.14	7.7		0.76	12.8		0.83	17.9		0.87
														B28			B35			B42		
51	1.93	1	1	6.9	13.6	X	X	—	—	—	906	11.82	13.95	—		—	—		—	—		—
52	1.94	1	1	3.4	6.9	X	—	1804	4.11	8.16	902	3.17	5.41	6.6		0.73	10.2		0.79	13.7		0.83
53	1.94	1	2	5.2	10.4	X	—	1804	10.23	14.68	902	7.61	9.43	—		—	—		—	9.3		0.79
54	1.95	1	1	3.9	7.9	X	X	1794	5.79	9.83	897	4.25	6.50	—		—	8.9		0.77	12.5		0.82
55	1.95	1	1	4.4	8.9	—	—	1794	7.31	11.36	897	5.48	7.56	—		—	—		—	11.2		0.81
														B28			B35			B42		
56	1.95	1	10	6.2	12.4	X	—	1794	13.18	18.37	897	10.14	12.13	—		—	—		—	—		—
57	1.95	1	10	6.8	13.6	X	—	—	—	—	897	11.59	13.69	—		—	—		—	—		—
58	1.96	1	2	3.0	6.2	X	X	1785	2.69	6.73	892	2.28	4.50	7.5		0.74	11.1		0.80	14.6		0.83
59	1.96	1	1	4.9	9.9	X	X	1785	9.18	13.44	892	6.82	8.59	—		—	—		—	10.0		0.79
60	1.96	1	1	5.4	10.9	X	X	1785	10.89	15.47	892	8.13	9.98	—		—	—		—	—		—
														B32			B40			B48		
61	1.96	1	6	8.0	16.0	X	—	—	—	—	892	14.31	16.68	—		—	—		—	—		—
62	1.97	1	2	3.2	6.6	X	—	1776	3.41	7.46	888	2.73	4.96	9.0		0.77	13.1		0.82	17.1		0.86
63	1.97	1	6	3.4	7.0	X	—	1776	4.12	8.16	888	3.17	5.41	8.5		0.76	12.6		0.82	16.6		0.86
64	1.97	1	6	3.6	7.4	X	—	1776	4.80	8.84	888	3.61	5.85	8.0		0.76	12.1		0.81	16.2		0.85
65	1.97	1	2	3.9	8.0	X	X	1776	5.79	9.83	888	4.25	6.50	7.3		0.74	11.4		0.81	15.4		0.85
														B28			B34			B40		
66	1.97	1	2	4.1	8.4	X	—	1776	6.42	10.46	888	4.68	6.93	—		—	7.8		0.75	10.9		0.80
67	1.97	1	6	4.2	8.6	X	—	1776	6.72	10.76	888	4.94	7.14	—		—	7.5		0.75	10.6		0.80
68	1.97	1	6	4.4	9.0	X	—	1776	7.32	11.36	888	5.48	7.56	—		—	—		—	10.1		0.79
69	1.97	1	6	4.6	9.4	X	—	1776	8.07	12.15	888	6.02	7.98	—		—	—		—	9.6		0.79
70	1.98	1	2	5.1	10.4	X	X	1767	9.89	14.27	883	7.35	9.15	—		—	—		—	—		—
														B28			B36			B44		
71	1.98	1	10	5.4	11.0	X	X	1767	10.89	15.47	883	8.13	9.98	—		—	—		—	9.6		0.79
72	1.98	1	2	5.6	11.4	X	X	1767	11.51	16.24	883	8.64	10.52	—		—	—		—	—		—
73	1.98	1	2	6.1	12.4	X	X	1767	12.92	18.03	883	9.89	11.87	—		—	—		—	—		—
74	1.98	1	2	6.6	13.4	X	X	1767	14.12	19.65	883	11.11	13.18	—		—	—		—	—		—
75	1.98	1	1	7.1	14.4	X	X	—	—	—	883	12.29	14.46	—		—	—		—	—		—

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts

Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
B89		**B105**		**B120**		**B136**		**B150**		**B162**		**B180**		**B195**		**B210**		
37.1	0.99	45.1	1.02	52.6	1.06	60.6	1.08	67.6	1.10	73.6	1.13	82.6	1.15	90.1	1.16	97.6	1.18	1
35.8	0.99	43.8	1.02	51.3	1.06	59.3	1.08	66.3	1.10	72.3	1.13	81.3	1.15	88.8	1.16	96.3	1.17	2
30.3	0.97	38.4	1.01	45.9	1.05	53.9	1.07	60.9	1.09	66.9	1.12	75.9	1.14	83.4	1.16	90.9	1.17	3
27.1	0.96	35.2	1.00	42.7	1.04	50.7	1.07	57.7	1.09	63.7	1.12	72.8	1.14	80.3	1.15	87.8	1.17	4
—	—	22.5	0.95	30.2	1.00	38.3	1.04	45.4	1.06	51.4	1.10	60.5	1.12	68.0	1.14	75.5	1.15	5
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
16.5	0.85	19.5	0.88	22.5	0.90	25.5	0.93	28.5	0.95	32.0	0.97	35.5	0.98	39.0	1.00	42.5	1.01	6
13.7	0.84	16.7	0.87	19.8	0.89	22.8	0.92	25.8	0.94	29.3	0.96	32.8	0.98	36.3	0.99	39.8	1.01	7
11.8	0.82	14.9	0.85	17.9	0.88	20.9	0.92	23.9	0.93	27.4	0.95	31.0	0.97	34.5	0.99	38.0	1.00	8
10.4	0.81	13.5	0.84	16.5	0.87	19.5	0.91	22.6	0.93	26.1	0.95	29.6	0.97	33.1	0.98	36.6	1.00	9
9.9	0.80	13.0	0.84	16.0	0.87	19.0	0.91	22.1	0.93	25.6	0.95	29.1	0.97	32.6	0.98	36.1	1.00	10
B85		**B100**		**B116**		**B128**		**B144**		**B154**		**B162**		**B173**		**B195**		
27.1	0.96	34.7	1.00	42.7	1.04	48.7	1.06	56.7	1.08	61.7	1.11	65.7	1.12	71.2	1.13	82.2	1.15	11
35.5	0.98	43.0	1.01	51.0	1.06	57.0	1.07	65.0	1.09	70.0	1.12	74.0	1.13	79.5	1.14	90.5	1.16	12
33.9	0.98	41.4	1.01	49.4	1.05	55.4	1.07	63.5	1.09	68.5	1.12	72.5	1.13	78.0	1.14	89.0	1.16	13
32.1	0.98	39.6	1.01	47.6	1.05	53.6	1.07	61.6	1.09	66.6	1.12	70.6	1.13	76.1	1.14	87.1	1.16	14
—	—	22.1	0.94	30.3	1.00	36.4	1.03	44.5	1.06	49.5	1.09	53.5	1.10	59.0	1.11	70.1	1.14	15
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
16.9	0.86	19.9	0.88	22.9	0.90	25.9	0.93	28.9	0.95	32.4	0.97	35.9	0.98	39.4	1.00	42.9	1.01	16
15.5	0.85	18.5	0.87	21.5	0.90	24.5	0.93	27.5	0.95	31.0	0.96	34.5	0.98	38.0	1.00	41.5	1.01	17
15.0	0.85	18.0	0.87	21.0	0.89	24.0	0.93	27.0	0.94	30.6	0.96	34.1	0.98	37.6	0.99	41.1	1.01	18
13.1	0.83	16.2	0.86	19.2	0.89	22.2	0.92	25.2	0.94	28.7	0.96	32.2	0.97	35.7	0.99	39.2	1.00	19
11.2	0.82	14.3	0.85	17.3	0.88	20.3	0.91	23.4	0.93	26.9	0.95	30.4	0.97	33.9	0.99	37.4	1.00	20
B58		**B67**		**B76**		**B85**		**B94**		**B103**		**B112**		**B120**		**B128**		
13.5	0.85	18.1	0.90	22.7	0.93	27.2	0.96	31.7	0.98	36.2	1.00	40.8	1.02	44.8	1.05	48.8	1.06	21
13.3	0.84	17.9	0.90	22.4	0.93	27.0	0.96	31.5	0.98	36.0	1.00	40.5	1.02	44.5	1.05	48.5	1.06	22
—	—	14.8	0.88	19.4	0.92	23.9	0.95	28.5	0.97	33.0	0.99	37.6	1.01	41.6	1.04	45.6	1.05	23
20.3	0.89	24.8	0.93	29.3	0.96	33.8	0.98	38.4	1.00	42.9	1.02	47.4	1.03	51.4	1.06	55.4	1.07	24
18.0	0.88	22.5	0.92	27.0	0.95	31.5	0.97	36.0	0.99	40.6	1.01	45.1	1.03	49.1	1.05	53.1	1.07	25
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
9.9	0.80	13.0	0.84	16.1	0.87	19.1	0.91	22.1	0.93	25.7	0.95	29.2	0.97	32.7	0.98	36.2	1.00	26
15.4	0.85	18.4	0.87	21.4	0.89	24.4	0.93	27.4	0.95	31.0	0.96	34.5	0.98	38.0	0.99	41.5	1.01	27
13.5	0.84	16.6	0.86	19.6	0.89	22.6	0.92	25.6	0.94	29.1	0.96	32.6	0.98	36.1	0.99	39.6	1.00	28
13.0	0.83	16.1	0.86	19.1	0.88	22.1	0.92	25.1	0.94	28.6	0.96	32.1	0.97	35.7	0.99	39.2	1.00	29
10.6	0.81	13.7	0.84	16.7	0.87	19.8	0.91	22.8	0.93	26.3	0.95	29.8	0.97	33.3	0.98	36.9	1.00	30
B69		**B80**		**B91**		**B103**		**B116**		**B128**		**B140**		**B150**		**B162**		
20.4	0.92	26.0	0.95	31.5	0.98	37.5	1.00	44.0	1.04	50.1	1.06	56.1	1.08	61.1	1.09	67.1	1.12	31
16.6	0.89	22.2	0.93	27.8	0.97	33.8	0.99	40.4	1.03	46.4	1.05	52.4	1.07	57.4	1.09	63.4	1.12	32
—	—	16.3	0.89	22.0	0.94	28.1	0.97	34.7	1.02	40.8	1.04	46.8	1.06	51.8	1.08	57.8	1.11	33
28.3	0.95	33.8	0.97	39.3	1.00	45.3	1.02	51.8	1.06	57.8	1.07	63.8	1.09	68.8	1.10	74.8	1.13	34
26.0	0.94	31.5	0.97	37.0	0.99	43.0	1.02	49.5	1.05	55.5	1.07	61.5	1.09	66.5	1.10	72.5	1.13	35
B52		**B59**		**B66**		**B73**		**B80**		**B87**		**B94**		**B103**		**B112**		
15.6	0.86	19.1	0.89	22.6	0.92	26.2	0.94	29.7	0.96	33.2	0.98	36.7	0.99	41.2	1.01	45.7	1.03	36
—	—	14.1	0.85	17.7	0.90	21.2	0.92	24.8	0.95	28.3	0.96	31.8	0.98	36.3	1.00	40.8	1.02	37
—	—	13.8	0.85	17.4	0.90	21.0	0.92	24.5	0.94	28.0	0.96	31.6	0.98	36.1	1.00	40.6	1.02	38
—	—	12.8	0.84	16.4	0.89	20.0	0.92	23.5	0.94	27.1	0.96	30.6	0.98	35.1	1.00	39.6	1.01	39
19.3	0.88	22.8	0.90	26.3	0.94	29.8	0.96	33.3	0.97	36.8	0.99	40.3	1.00	44.8	1.02	49.3	1.03	40
B56		**B64**		**B72**		**B80**		**B88**		**B96**		**B103**		**B112**		**B120**		
20.8	0.89	24.8	0.93	28.8	0.95	32.8	0.97	36.9	0.99	40.9	1.00	44.4	1.02	48.9	1.03	52.9	1.06	41
15.6	0.86	19.7	0.91	23.7	0.93	27.7	0.96	31.8	0.98	35.8	0.99	39.3	1.01	43.8	1.02	47.8	1.05	42
15.1	0.86	19.2	0.90	23.2	0.93	27.3	0.95	31.3	0.97	35.3	0.99	38.8	1.01	43.3	1.02	47.3	1.05	43
—	—	14.1	0.87	18.2	0.90	22.3	0.93	26.3	0.96	30.4	0.98	33.9	0.99	38.4	1.01	42.4	1.04	44
17.0	0.87	21.1	0.91	25.1	0.94	29.1	0.96	33.1	0.98	37.1	1.00	40.6	1.01	45.1	1.03	49.1	1.05	45
B64		**B74**		**B84**		**B94**		**B103**		**B112**		**B124**		**B136**		**B144**		
16.7	0.89	21.8	0.93	26.8	0.96	31.9	0.98	36.4	1.00	40.9	1.02	46.9	1.05	52.9	1.07	56.9	1.08	46
—	—	15.4	0.88	20.6	0.92	25.7	0.96	30.2	0.98	34.8	1.00	40.8	1.04	46.9	1.06	50.9	1.07	47
25.7	0.93	30.7	0.96	35.7	0.98	40.7	1.00	45.2	1.02	49.7	1.03	55.7	1.07	61.7	1.08	65.7	1.09	48
23.4	0.92	28.4	0.95	33.4	0.98	38.4	1.00	42.9	1.02	47.4	1.03	53.4	1.06	59.4	1.08	63.4	1.09	49
22.9	0.92	27.9	0.95	32.9	0.98	38.0	1.00	42.5	1.01	47.0	1.03	53.0	1.06	59.0	1.08	63.0	1.09	50
B49		**B56**		**B63**		**B70**		**B77**		**B84**		**B91**		**B98**		**B105**		
—	—	12.4	0.83	16.0	0.88	19.5	0.91	23.1	0.93	26.6	0.95	30.1	0.97	33.6	0.99	37.2	1.00	51
17.2	0.86	20.7	0.89	24.3	0.93	27.8	0.95	31.3	0.96	34.8	0.98	38.3	0.99	41.8	1.01	45.3	1.02	52
12.9	0.83	16.4	0.87	20.0	0.91	23.5	0.93	27.0	0.95	30.5	0.97	34.1	0.98	37.6	1.00	41.1	1.01	53
16.0	0.85	19.5	0.88	23.1	0.92	26.6	0.94	30.1	0.96	33.6	0.98	37.1	0.99	40.6	1.01	44.4	1.02	54
14.8	0.85	18.3	0.88	21.8	0.92	25.4	0.94	28.9	0.96	32.4	0.97	35.9	0.99	39.4	1.00	42.9	1.02	55
B49		**B56**		**B63**		**B70**		**B77**		**B84**		**B91**		**B98**		**B105**		
—	—	14.0	0.85	17.5	0.89	21.1	0.92	24.6	0.94	28.1	0.96	31.6	0.98	35.2	0.99	38.7	1.01	56
—	—	12.4	0.83	16.0	0.88	19.6	0.91	23.1	0.93	26.7	0.95	30.2	0.97	33.7	0.99	37.2	1.00	57
18.1	0.87	21.6	0.89	25.1	0.93	28.6	0.95	32.1	0.97	35.6	0.98	39.1	1.00	42.6	1.01	46.2	1.02	58
13.6	0.84	17.1	0.87	20.6	0.91	24.2	0.93	27.7	0.95	31.2	0.97	34.7	0.99	38.2	1.00	41.7	1.01	59
12.3	0.83	15.9	0.86	19.4	0.90	22.9	0.93	26.5	0.95	30.0	0.97	33.5	0.98	37.0	1.00	40.5	1.01	60
B56		**B64**		**B72**		**B80**		**B88**		**B96**		**B103**		**B112**		**B120**		
—	—	13.5	0.86	17.6	0.90	21.7	0.93	25.7	0.95	29.8	0.97	33.3	0.99	37.8	1.01	41.9	1.04	61
21.1	0.89	25.1	0.93	29.2	0.95	33.2	0.97	37.2	0.99	41.2	1.01	44.7	1.02	49.2	1.03	53.2	1.06	62
20.7	0.89	24.7	0.93	28.7	0.95	32.7	0.97	36.7	0.99	40.7	1.00	44.2	1.02	48.7	1.03	52.7	1.06	63
20.2	0.88	24.2	0.93	28.2	0.95	32.2	0.97	36.2	0.99	40.2	1.00	43.7	1.02	48.2	1.03	52.2	1.06	64
19.5	0.88	23.5	0.92	27.5	0.95	31.5	0.97	35.5	0.99	39.5	1.00	43.0	1.01	47.5	1.03	51.5	1.06	65
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
13.9	0.84	17.0	0.86	20.0	0.89	23.0	0.92	26.0	0.94	29.5	0.96	33.0	0.98	36.5	0.99	40.0	1.00	66
13.7	0.83	16.7	0.86	19.7	0.89	22.7	0.92	25.8	0.94	29.3	0.96	32.8	0.97	36.3	0.99	39.8	1.00	67
13.2	0.83	16.2	0.86	19.2	0.88	22.3	0.92	25.3	0.94	28.8	0.96	32.3	0.97	35.8	0.99	39.3	1.00	68
12.7	0.83	15.7	0.86	18.8	0.88	21.8	0.92	24.8	0.93	28.3	0.95	31.8	0.97	35.3	0.99	38.8	1.00	69
11.4	0.81	14.5	0.85	17.5	0.87	20.6	0.91	23.6	0.93	27.1	0.95	30.6	0.97	34.1	0.98	37.6	1.00	70
B52		**B59**		**B66**		**B73**		**B80**		**B87**		**B94**		**B103**		**B112**		
13.7	0.84	17.3	0.87	20.8	0.91	24.4	0.94	27.9	0.96	31.4	0.97	34.9	0.99	39.4	1.01	43.9	1.02	71
13.2	0.84	16.8	0.87	20.3	0.91	23.9	0.93	27.4	0.95	30.9	0.97	34.4	0.99	38.9	1.01	43.5	1.02	72
12.0	0.82	15.6	0.86	19.1	0.90	22.7	0.93	26.2	0.95	29.7	0.97	33.2	0.98	37.7	1.00	42.3	1.02	73
—	—	14.3	0.85	17.9	0.90	21.4	0.92	25.0	0.94	28.5	0.96	32.0	0.98	36.5	1.00	41.1	1.02	74
—	—	13.0	0.84	16.6	0.89	20.2	0.91	23.7	0.94	27.3	0.96	30.8	0.98	35.3	1.00	39.9	1.01	75

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves		Datum Diameter		Type		Nominal Driven Speeds and Horsepower per Belt						Center Distance in Inches and "F" Factor for Browning Belts					
								3500 RPM Driver			1750 RPM Driver			Belt No.		Belt No.		Belt No.	
								Nominal Driven Speed	HP per Belt		Nominal Driven Speed	HP per Belt							
		Min	Max	Driver	Driven	Fix.	Var.		Super	Gripnotch		Super	Gripnotch	C.D.	F	C.D.	F	C.D.	F
														B42		B55		B70	
1	1.98	3	2	7.4	15.0	X	X	—	—	—	883	12.98	15.21	—	—	—	—	17.9	0.90
2	1.98	1	1	7.9	16.0	X	—	—	—	—	883	14.09	16.44	—	—	—	—	16.6	0.89
3	1.99	1	1	9.9	20.0	X	—	—	—	—	879	18.23	21.09	—	—	—	—	—	—
4	1.99	1	10	12.4	25.0	X	—	—	—	—	879	22.20	25.94	—	—	—	—	—	—
5	2.00	1	1	3.4	7.1	X	—	1750	4.12	8.16	875	3.17	5.41	13.5	0.83	20.1	0.88	27.6	0.94
														B28		B35		B42	
6	2.00	1	1	3.8	7.9	X	—	1750	5.47	9.50	875	4.04	6.29	—	—	9.0	0.77	12.5	0.82
7	2.00	1	1	4.8	9.9	X	—	1750	9.02	13.19	875	6.66	8.40	—	—	—	—	10.0	0.79
8	2.01	1	2	5.0	10.4	X	—	1741	9.74	14.03	870	7.19	8.96	—	—	—	—	9.4	0.78
9	2.01	1	10	6.0	12.4	X	X	1741	12.86	17.86	870	9.75	11.68	—	—	—	—	—	—
10	2.01	1	10	6.6	13.6	X	X	1741	14.31	19.82	870	11.21	13.26	—	—	—	—	—	—
														B34		B44		B54	
11	2.01	1	1	7.0	14.4	X	—	—	—	—	870	12.16	14.29	—	—	—	—	—	—
12	2.01	1	10	9.0	18.4	X	—	—	—	—	870	16.50	19.11	—	—	—	—	—	—
13	2.02	1	2	3.2	6.8	X	—	1732	3.42	7.68	866	2.73	5.07	9.9	0.78	14.9	0.84	20.0	0.88
14	2.02	1	6	3.8	8.0	X	—	1732	5.47	9.73	866	4.04	6.40	8.4	0.76	13.5	0.83	18.5	0.87
15	2.02	1	2	4.0	8.4	X	—	1732	6.11	10.37	866	4.48	6.83	7.9	0.75	13.0	0.82	18.0	0.87
														B46		B62		B78	
16	2.02	1	2	4.1	8.6	X	—	1732	6.43	10.68	866	4.76	7.04	13.7	0.83	21.8	0.91	29.8	0.96
17	2.02	1	2	11.4	23.4	X	—	—	—	—	866	20.77	24.12	—	—	—	—	—	—
18	2.02	1	4	13.6	27.8	X	—	—	—	—	866	23.63	27.88	—	—	—	—	—	—
19	2.03	1	2	3.0	6.4	X	X	1724	2.70	6.96	862	2.28	4.62	16.4	0.85	24.5	0.92	32.5	0.97
20	2.03	1	1	5.2	10.9	X	—	1724	10.43	14.85	862	7.71	9.51	10.9	0.80	19.0	0.90	27.1	0.95
														B34		B44		B54	
21	2.03	1	10	7.4	15.4	X	X	—	—	—	862	13.08	15.30	—	—	—	—	—	—
22	2.03	1	1	8.9	18.4	X	—	—	—	—	862	16.30	18.88	—	—	—	—	—	—
23	2.04	1	1	4.2	8.9	X	—	1715	6.73	10.99	857	5.04	7.26	—	—	12.4	0.82	17.5	0.87
24	2.04	1	2	5.9	12.4	X	X	1715	12.58	17.50	857	9.50	11.42	—	—	—	—	13.1	0.83
25	2.04	1	2	6.4	13.4	X	X	1715	13.86	19.19	857	10.73	12.74	—	—	—	—	11.8	0.82
														B28		B36		B44	
26	2.04	1	1	6.9	14.4	X	X	—	—	—	857	11.92	14.03	—	—	—	—	—	—
27	2.05	1	1	3.2	6.9	X	—	1707	3.43	7.68	853	2.73	5.07	6.7	0.73	10.8	0.79	14.9	0.84
28	2.05	1	2	4.9	10.4	X	X	1707	9.38	13.61	853	6.92	8.70	—	—	—	—	10.5	0.80
29	2.05	1	6	5.2	11.0	X	—	1707	10.43	14.85	853	7.71	9.51	—	—	—	—	9.8	0.79
30	2.05	1	2	5.4	11.4	X	X	1707	11.08	15.64	853	8.23	10.06	—	—	—	—	—	—
														B46		B62		B78	
31	2.05	1	2	13.4	27.8	X	—	—	—	—	853	23.42	27.57	—	—	—	—	—	—
32	2.06	1	6	4.0	8.6	X	—	1699	6.12	10.37	849	4.48	6.83	13.8	0.83	21.9	0.91	29.9	0.96
33	2.06	1	6	4.2	9.0	X	—	1699	6.74	10.99	849	5.04	7.26	13.3	0.83	21.4	0.91	29.4	0.96
34	2.06	1	6	4.4	9.4	X	—	1699	7.49	11.58	849	5.58	7.68	12.8	0.82	20.9	0.91	29.0	0.96
35	2.06	0	0	7.1	15.0	—	X	—	—	—	849	12.39	14.54	—	—	14.0	0.86	22.2	0.93
														B28		B36		B44	
36	2.07	1	2	3.9	8.4	X	X	1690	5.80	10.05	845	4.26	6.62	—	—	9.0	0.77	13.1	0.82
37	2.07	1	1	5.1	10.9	X	X	1690	10.09	14.44	845	7.45	9.24	—	—	—	—	9.9	0.79
38	2.07	1	10	6.4	13.6	X	X	1690	13.86	19.19	845	10.73	12.74	—	—	—	—	—	—
39	2.07	1	1	6.8	14.4	X	—	—	—	—	845	11.69	13.78	—	—	—	—	—	—
40	2.08	1	2	3.2	7.0	X	—	1682	3.43	7.68	841	2.74	5.07	6.6	0.72	10.7	0.79	14.8	0.84
														B28		B34		B40	
41	2.08	1	6	3.4	7.4	X	—	1682	4.13	8.38	841	3.18	5.52	—	—	9.2	0.77	12.3	0.81
42	2.08	1	1	4.6	9.9	X	—	1682	8.27	12.32	841	6.12	8.09	—	—	—	—	9.1	0.78
43	2.08	1	10	5.8	12.4	X	—	1682	12.30	17.14	841	9.24	11.15	—	—	—	—	—	—
44	2.09	1	2	3.0	6.6	X	X	1674	2.70	6.96	837	2.29	4.62	7.1	0.73	10.2	0.78	13.2	0.82
45	2.09	1	1	4.1	8.9	X	—	1674	6.43	10.68	837	4.76	7.04	—	—	—	—	10.4	0.79
														B42		B55		B70	
46	2.09	1	2	4.8	10.4	X	—	1674	9.02	13.19	837	6.66	8.50	9.6	0.78	16.2	0.86	23.8	0.93
47	2.09	1	2	5.1	11.0	X	X	1674	10.09	14.44	837	7.45	9.24	—	—	15.5	0.85	23.1	0.92
48	2.09	3	2	7.0	15.0	X	—	—	—	—	837	12.16	14.29	—	—	—	—	18.2	0.90
49	2.09	1	10	9.4	20.0	X	X	—	—	—	837	17.29	20.00	—	—	—	—	—	—
50	2.09	1	4	11.0	23.4	X	—	—	—	—	837	20.13	23.35	—	—	—	—	—	—
														B34		B44		B54	
51	2.10	1	1	3.6	7.9	X	—	1666	4.82	9.07	833	3.62	5.96	8.6	0.76	13.7	0.83	18.7	0.87
52	2.10	1	2	6.2	13.4	X	—	1666	13.38	18.54	833	10.24	12.22	—	—	—	—	12.0	0.82
53	2.10	1	10	8.6	18.4	X	—	—	—	—	833	15.69	18.19	—	—	—	—	—	—
54	2.11	1	1	3.2	7.1	X	—	1658	3.43	7.68	829	2.74	5.07	9.6	0.78	14.7	0.83	19.7	0.88
55	2.11	1	2	3.9	8.6	X	X	1658	5.81	10.05	829	4.26	6.62	7.7	0.75	12.9	0.82	17.9	0.87
														B42		B55		B70	
56	2.11	1	2	4.1	9.0	X	—	1658	6.44	10.68	829	4.76	7.04	11.4	0.80	17.9	0.87	25.5	0.94
57	2.11	1	1	5.0	10.9	X	—	1658	9.74	14.03	829	7.19	8.96	—	—	15.6	0.85	23.2	0.93
58	2.11	1	6	7.4	16.0	X	X	—	—	—	829	13.08	15.30	—	—	—	—	17.0	0.88
59	2.11	1	1	10.9	23.4	X	—	—	—	—	829	19.97	23.15	—	—	—	—	—	—
60	2.12	1	6	3.6	8.0	X	—	1650	4.83	9.07	825	3.62	5.96	12.6	0.82	19.2	0.88	26.7	0.94
														B32		B40		B48	
61	2.12	1	2	3.8	8.4	X	—	1650	5.49	9.73	825	4.05	6.40	—	—	11.1	0.80	15.1	0.84
62	2.12	1	2	5.2	11.4	X	—	1650	10.43	14.85	825	7.71	9.51	—	—	—	—	11.4	0.81
63	2.12	0	0	6.9	15.0	—	X	—	—	—	825	11.92	14.03	—	—	—	—	—	—
64	2.12	1	1	7.1	15.4	X	X	—	—	—	825	12.39	14.54	—	—	—	—	—	—
65	2.13	1	1	4.0	8.9	X	—	1643	6.13	10.37	821	4.48	6.83	—	—	10.5	0.79	14.6	0.84
														B34		B44		B54	
66	2.13	1	6	5.0	11.0	X	—	1643	9.74	14.03	821	7.19	8.96	—	—	9.9	0.79	15.0	0.85
67	2.13	1	10	6.2	13.6	X	—	1643	13.38	18.54	821	10.24	12.22	—	—	—	—	11.8	0.81
68	2.13	1	1	6.6	14.4	X	X	1643	14.31	19.82	821	11.21	13.26	—	—	—	—	—	—
69	2.14	1	2	6.1	13.4	X	X	1635	13.12	18.20	817	9.99	11.95	—	—	—	—	12.0	0.82
70	2.14	1	2	8.4	18.4	X	X	—	—	—	817	15.27	17.72	—	—	—	—	—	—
														B28		B36		B44	
71	2.15	1	2	3.0	6.8	X	X	1627	2.71	6.96	813	2.29	4.62	6.9	0.73	11.0	0.79	15.1	0.84
72	2.15	1	6	4.2	9.4	X	—	1627	6.75	10.99	813	5.04	7.26	—	—	—	—	11.9	0.81
73	2.15	1	1	4.9	10.9	X	X	1827	9.38	13.61	813	6.92	8.70	—	—	—	—	10.1	0.79
74	2.15	1	10	5.6	12.4	X	X	1627	11.71	16.41	813	8.74	10.61	—	—	—	—	—	—
75	2.15	3	2	6.8	15.0	X	—	—	—	—	813	11.69	13.78	—	—	—	—	—	—

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts

Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
B85		**B100**		**B116**		**B128**		**B144**		**B154**		**B162**		**B173**		**B195**		
25.5	0.95	33.1	0.99	41.1	1.03	47.2	1.05	55.2	1.08	60.2	1.11	64.2	1.12	69.7	1.13	80.7	1.15	1
24.3	0.94	31.9	0.98	39.9	1.03	46.0	1.05	54.0	1.08	59.0	1.10	63.0	1.11	68.5	1.13	79.5	1.15	2
19.3	0.91	27.0	0.96	35.1	1.02	41.1	1.04	49.2	1.07	54.2	1.09	58.2	1.11	63.7	1.12	74.8	1.14	3
—	—	20.6	0.92	28.9	0.99	35.0	1.02	43.1	1.05	48.1	1.08	52.2	1.09	57.7	1.11	68.8	1.13	4
35.1	0.98	42.6	1.01	50.6	1.05	56.6	1.07	64.6	1.09	69.6	1.12	73.6	1.13	79.1	1.14	90.1	1.16	5
B49		**B56**		**B63**		**B70**		**B77**		**B84**		**B91**		**B98**		**B105**		
16.1	0.85	19.6	0.88	23.1	0.92	26.6	0.94	30.1	0.96	33.7	0.98	37.2	0.99	40.7	1.01	44.2	1.02	6
13.6	0.84	17.2	0.87	20.7	0.91	24.2	0.93	27.7	0.95	31.3	0.97	34.8	0.99	38.3	1.00	41.8	1.01	7
13.0	0.83	16.6	0.86	20.1	0.91	23.7	0.93	27.2	0.95	30.7	0.97	34.2	0.98	37.7	1.00	41.2	1.01	8
10.5	0.80	14.1	0.84	17.7	0.89	21.2	0.92	24.7	0.94	28.3	0.96	31.8	0.98	35.3	0.99	38.8	1.01	9
—	—	12.6	0.83	16.2	0.88	19.7	0.91	23.3	0.93	26.8	0.95	30.3	0.97	33.9	0.99	37.4	1.00	10
B64		**B74**		**B84**		**B94**		**B103**		**B112**		**B124**		**B136**		**B144**		
15.7	0.88	20.8	0.92	25.8	0.95	30.9	0.98	35.4	1.00	39.9	1.01	46.0	1.05	52.0	1.07	56.0	1.08	11
—	—	15.7	0.88	20.9	0.92	26.0	0.95	30.5	0.98	35.1	1.00	41.1	1.04	47.2	1.06	51.2	1.07	12
25.0	0.93	30.0	0.96	35.0	0.98	40.0	1.00	44.5	1.02	49.0	1.03	55.0	1.07	61.0	1.08	65.0	1.09	13
23.5	0.92	28.6	0.95	33.6	0.98	38.6	1.00	43.1	1.01	47.6	1.03	53.6	1.06	59.6	1.08	63.6	1.09	14
23.1	0.92	28.1	0.95	33.1	0.97	38.1	1.00	42.6	1.01	47.1	1.03	53.1	1.06	59.1	1.08	63.1	1.09	15
B94		**B112**		**B128**		**B144**		**B162**		**B180**		**B195**		**B210**		**B225**		
37.9	1.00	46.9	1.03	54.9	1.07	62.9	1.09	71.9	1.13	80.9	1.15	88.4	1.16	95.9	1.17	102.7	1.18	16
19.7	0.91	29.0	0.97	37.1	1.02	45.2	1.05	54.3	1.10	63.3	1.12	70.8	1.14	78.4	1.15	85.1	1.17	17
—	—	23.3	0.94	31.6	1.00	39.8	1.04	48.9	1.08	58.0	1.11	65.5	1.13	73.1	1.14	79.8	1.16	18
40.5	1.00	49.5	1.03	57.5	1.07	65.5	1.09	74.5	1.13	83.5	1.15	91.0	1.16	98.5	1.18	105.3	1.19	19
35.1	0.99	44.2	1.02	52.2	1.06	60.2	1.09	69.2	1.12	78.2	1.14	85.7	1.16	93.2	1.17	100.0	1.18	20
B64		**B74**		**B84**		**B94**		**B103**		**B112**		**B124**		**B136**		**B144**		
14.4	0.86	19.6	0.91	24.7	0.94	29.7	0.97	34.3	0.99	38.8	1.01	44.8	1.05	50.8	1.06	54.9	1.08	21
—	—	15.8	0.88	20.9	0.92	26.0	0.95	30.6	0.98	35.1	1.00	41.2	1.04	47.2	1.06	51.2	1.07	22
22.5	0.92	27.5	0.95	32.5	0.97	37.5	0.99	42.1	1.01	46.6	1.03	52.6	1.06	58.6	1.08	62.6	1.09	23
18.2	0.89	23.3	0.93	28.3	0.96	33.4	0.98	37.9	1.00	42.4	1.02	48.4	1.05	54.4	1.07	58.4	1.08	24
17.0	0.89	22.1	0.92	27.1	0.95	32.2	0.98	36.7	1.00	41.2	1.02	47.2	1.05	53.2	1.07	57.3	1.08	25
B52		**B59**		**B66**		**B73**		**B80**		**B87**		**B94**		**B103**		**B112**		
—	—	13.1	0.83	16.8	0.89	20.3	0.91	23.9	0.94	27.4	0.96	31.0	0.97	35.5	0.99	40.0	1.01	26
18.9	0.87	22.4	0.90	25.9	0.93	29.4	0.95	32.9	0.97	36.4	0.99	39.9	1.00	44.4	1.02	48.9	1.03	27
14.6	0.84	18.2	0.88	21.7	0.92	25.2	0.94	28.8	0.96	32.3	0.97	35.8	0.99	40.3	1.01	44.8	1.02	28
13.9	0.84	17.4	0.87	21.0	0.91	24.5	0.93	28.0	0.95	31.5	0.97	35.1	0.99	39.6	1.01	44.1	1.02	29
13.4	0.83	16.9	0.87	20.5	0.91	24.0	0.93	27.5	0.95	31.1	0.97	34.6	0.99	39.1	1.00	43.6	1.02	30
B94		**B112**		**B128**		**B144**		**B162**		**B180**		**B195**		**B210**		**B225**		
—	—	23.5	0.94	31.7	1.00	39.9	1.04	49.0	1.08	58.1	1.11	65.7	1.13	73.2	1.14	80.0	1.16	31
37.9	1.00	47.0	1.03	55.0	1.07	63.0	1.09	72.0	1.13	81.0	1.15	88.5	1.16	96.0	1.17	102.7	1.18	32
37.5	0.99	46.5	1.03	54.5	1.07	62.5	1.09	71.5	1.13	80.5	1.14	88.0	1.16	95.5	1.17	102.3	1.18	33
37.0	0.99	46.0	1.03	54.0	1.07	62.0	1.09	71.0	1.12	80.0	1.14	87.5	1.16	95.0	1.17	101.8	1.18	34
30.3	0.97	39.4	1.01	47.4	1.05	55.4	1.08	64.4	1.11	73.4	1.14	81.0	1.15	88.5	1.16	95.2	1.18	35
B52		**B59**		**B66**		**B73**		**B80**		**B87**		**B94**		**B103**		**B112**		
17.1	0.86	20.6	0.89	24.1	0.93	27.7	0.95	31.2	0.96	34.7	0.98	38.2	1.00	42.7	1.01	47.2	1.03	36
14.0	0.84	17.6	0.87	21.1	0.91	24.7	0.93	28.2	0.95	31.7	0.97	35.2	0.99	39.7	1.01	44.2	1.02	37
—	—	14.2	0.84	17.8	0.89	21.4	0.92	24.9	0.94	28.5	0.96	32.0	0.98	36.5	1.00	41.0	1.01	38
—	—	13.2	0.83	16.8	0.88	20.4	0.91	24.0	0.94	27.5	0.96	31.0	0.97	35.6	0.99	40.1	1.01	39
18.8	0.87	22.3	0.90	25.8	0.93	29.3	0.95	32.8	0.97	36.3	0.99	39.8	1.00	44.4	1.02	48.9	1.03	40
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
15.3	0.84	18.3	0.87	21.3	0.89	24.3	0.92	27.3	0.94	30.9	0.96	34.4	0.98	37.9	0.99	41.4	1.01	41
12.2	0.82	15.3	0.85	18.3	0.88	21.4	0.91	24.4	0.93	27.9	0.95	31.4	0.97	34.9	0.98	38.4	1.00	42
—	—	12.2	0.82	15.3	0.85	18.3	0.89	21.4	0.92	24.9	0.94	28.4	0.96	31.9	0.98	35.5	0.99	43
16.3	0.85	19.3	0.87	22.3	0.89	25.3	0.93	28.3	0.95	31.8	0.96	35.3	0.98	38.8	0.99	42.3	1.01	44
13.5	0.83	16.5	0.86	19.5	0.88	22.6	0.92	25.6	0.94	29.1	0.96	32.6	0.97	36.1	0.99	39.6	1.00	45
B85		**B100**		**B116**		**B128**		**B144**		**B154**		**B162**		**B173**		**B195**		
31.3	0.97	38.9	1.00	46.9	1.05	52.9	1.06	60.9	1.09	65.9	1.11	69.9	1.12	75.4	1.14	86.4	1.16	46
30.6	0.97	38.1	1.00	46.2	1.04	52.2	1.06	60.2	1.08	65.2	1.11	69.2	1.12	74.7	1.13	85.7	1.16	47
25.8	0.95	33.4	0.99	41.4	1.03	47.5	1.05	55.5	1.08	60.5	1.10	64.5	1.11	70.0	1.13	81.0	1.15	48
19.6	0.91	27.3	0.96	35.4	1.01	41.5	1.04	49.5	1.06	54.6	1.09	58.6	1.10	64.1	1.12	75.1	1.14	49
—	—	23.1	0.93	31.3	1.00	37.4	1.02	45.5	1.05	50.5	1.08	54.5	1.10	60.1	1.11	71.1	1.14	50
B64		**B74**		**B84**		**B94**		**B103**		**B112**		**B124**		**B136**		**B144**		
23.8	0.92	28.8	0.95	33.8	0.98	38.8	1.00	43.3	1.01	47.8	1.03	53.8	1.06	59.8	1.08	63.8	1.09	51
17.1	0.88	22.2	0.92	27.3	0.95	32.3	0.98	36.8	1.00	41.4	1.01	47.4	1.05	53.4	1.07	57.4	1.08	52
—	—	16.0	0.88	21.1	0.92	26.2	0.95	30.8	0.98	35.4	1.00	41.4	1.04	47.5	1.06	51.5	1.07	53
24.7	0.93	29.8	0.95	34.8	0.98	39.8	1.00	44.3	1.02	48.8	1.03	54.8	1.06	60.8	1.08	64.8	1.09	54
23.0	0.92	28.0	0.95	33.0	0.97	38.0	0.99	42.5	1.01	47.0	1.03	53.0	1.06	59.0	1.08	63.0	1.09	55
B85		**B100**		**B116**		**B128**		**B144**		**B154**		**B162**		**B173**		**B195**		
33.0	0.97	40.5	1.01	48.6	1.05	54.6	1.07	62.6	1.09	67.6	1.12	71.6	1.13	77.1	1.14	88.1	1.16	56
30.8	0.97	38.3	1.00	46.3	1.04	52.3	1.06	60.3	1.09	65.4	1.11	69.4	1.12	74.9	1.13	85.9	1.16	57
24.7	0.94	32.2	0.98	40.3	1.03	46.3	1.05	54.4	1.07	59.4	1.10	63.4	1.11	68.9	1.13	79.9	1.15	58
—	—	23.1	0.93	31.4	1.00	37.5	1.02	45.5	1.05	50.6	1.08	54.6	1.09	60.1	1.11	71.2	1.14	59
34.2	0.98	41.7	1.01	49.7	1.05	55.8	1.07	63.8	1.09	68.8	1.12	72.8	1.13	78.3	1.14	89.3	1.16	60
B56		**B64**		**B72**		**B80**		**B88**		**B96**		**B103**		**B112**		**B120**		
19.2	0.88	23.2	0.92	27.2	0.94	31.2	0.96	35.2	0.98	39.3	1.00	42.8	1.01	47.3	1.03	51.3	1.06	61
15.5	0.85	19.6	0.90	23.7	0.93	27.7	0.95	31.7	0.97	35.7	0.99	39.2	1.00	43.8	1.02	47.8	1.05	62
—	—	15.2	0.87	19.3	0.90	23.4	0.93	27.4	0.96	31.4	0.98	35.0	0.99	39.5	1.01	43.5	1.04	63
—	—	14.7	0.86	18.8	0.90	22.9	0.93	26.9	0.95	31.0	0.97	34.5	0.99	39.0	1.01	43.0	1.04	64
18.6	0.87	22.6	0.92	26.7	0.94	30.7	0.96	34.7	0.98	38.7	1.00	42.2	1.01	46.7	1.03	50.7	1.05	65
B64		**B74**		**B84**		**B94**		**B103**		**B112**		**B124**		**B136**		**B144**		
20.1	0.90	25.2	0.94	30.2	0.96	35.2	0.99	39.7	1.01	44.2	1.02	50.3	1.06	56.3	1.07	60.3	1.08	66
17.0	0.88	22.0	0.92	27.1	0.95	32.1	0.98	36.7	1.00	41.2	1.01	47.2	1.05	53.2	1.07	57.2	1.08	67
15.9	0.87	21.1	0.92	26.1	0.95	31.2	0.97	35.7	0.99	40.2	1.01	46.3	1.05	52.3	1.07	56.3	1.08	68
17.2	0.88	22.3	0.92	27.3	0.95	32.4	0.98	36.9	1.00	41.4	1.01	47.5	1.05	53.5	1.07	57.5	1.08	69
—	—	16.1	0.87	21.3	0.92	26.4	0.95	31.0	0.98	35.5	1.00	41.6	1.03	47.6	1.06	51.6	1.07	70
B52		**B59**		**B66**		**B73**		**B80**		**B87**		**B94**		**B103**		**B112**		
19.1	0.87	22.6	0.90	26.1	0.93	29.6	0.95	33.2	0.97	36.7	0.99	40.2	1.00	44.7	1.02	49.2	1.03	71
16.0	0.85	19.6	0.88	23.1	0.92	26.6	0.94	30.1	0.96	33.6	0.98	37.1	0.99	41.6	1.01	46.2	1.03	72
14.2	0.84	17.7	0.87	21.3	0.91	24.8	0.93	28.3	0.95	31.9	0.97	35.4	0.99	39.9	1.01	44.4	1.02	73
12.3	0.82	15.9	0.86	19.5	0.90	23.0	0.93	26.6	0.95	30.1	0.96	33.6	0.98	38.1	1.00	42.6	1.02	74
—	—	12.6	0.82	16.3	0.88	19.9	0.91	23.4	0.93	27.0	0.95	30.5	0.97	35.0	0.99	39.6	1.01	75

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves		Datum Diameter		Type		Nominal Driven Speeds and Horsepower per Belt						Center Distance in Inches and "F" Factor for Browning Belts					
								3500 RPM Driver			1750 RPM Driver			Belt No.		Belt No.		Belt No.	
								Nominal Driven Speed	HP per Belt		Nominal Driven Speed	HP per Belt							
		Min	Max	Driver	Driven	Fix.	Var.		Super	Gripnotch		Super	Gripnotch	C.D.	F	C.D.	F	C.D.	F
														B42		B55		B70	
1	2.15	1	10	7.0	15.4	X	—	—	—	—	813	12.16	14.29	—	—	—	—	17.8	0.89
2	2.16	1	6	4.0	9.0	X	—	1620	6.13	10.37	810	4.48	6.83	11.4	0.80	18.0	0.87	25.6	0.93
3	2.16	1	2	5.1	11.4	X	X	1620	10.09	14.44	810	7.45	9.24	—	—	15.1	0.85	22.7	0.92
4	2.16	1	2	11.4	25.0	X	—	—	—	—	810	20.77	24.12	—	—	—	—	—	—
5	2.17	1	6	3.8	8.6	X	—	1612	5.49	9.73	806	4.05	6.40	11.9	0.81	18.5	0.87	26.1	0.94
														B48		B65		B82	
6	2.17	1	1	4.4	9.9	X	—	1612	7.49	11.58	806	5.58	7.68	13.4	0.83	22.0	0.91	30.6	0.96
7	2.17	1	2	4.9	11.0	X	X	1612	9.38	13.61	806	6.92	8.70	12.0	0.81	20.7	0.91	29.3	0.96
8	2.17	1	2	6.0	13.4	X	X	1612	12.86	17.86	806	9.75	11.68	—	—	17.8	0.89	26.4	0.95
9	2.17	1	2	6.1	13.6	X	X	1612	13.12	18.20	806	9.99	11.95	—	—	17.5	0.89	26.2	0.95
10	2.17	1	10	13.6	30.0	X	—	—	—	—	806	23.63	27.88	—	—	—	—	—	—
														B36		B47		B58	
11	2.18	1	1	3.0	6.9	X	X	1605	2.71	6.96	802	2.29	4.62	11.0	0.79	16.5	0.85	22.0	0.89
12	2.18	1	2	4.6	10.4	X	—	1605	8.27	12.32	802	6.12	8.09	—	—	12.3	0.82	17.9	0.87
13	2.18	1	1	6.9	15.4	X	X	—	—	—	802	11.92	14.03	—	—	—	—	—	—
14	2.18	1	10	9.0	20.0	X	—	—	—	—	802	16.50	19.11	—	—	—	—	—	—
15	2.19	1	1	3.9	8.9	X	X	1598	5.82	10.05	799	4.27	6.62	8.5	0.76	14.1	0.83	19.7	0.88
														B28		B35		B42	
16	2.19	1	1	4.8	10.9	X	—	1598	9.02	13.19	799	6.66	8.50	—	—	—	—	9.1	0.77
17	2.19	1	1	6.4	14.4	X	X	1598	13.86	19.19	799	10.73	12.74	—	—	—	—	—	—
18	2.20	1	2	3.2	7.4	X	—	1590	3.44	7.68	795	2.74	5.07	—	—	9.9	0.78	13.4	0.82
19	2.20	1	2	4.1	9.4	X	—	1590	6.45	10.68	795	4.76	7.04	—	—	—	—	11.0	0.80
20	2.20	1	2	5.0	11.4	X	—	1590	9.74	14.03	795	7.19	8.96	—	—	—	—	—	—
														B36		B47		B58	
21	2.20	1	2	5.9	13.4	X	X	1590	12.58	17.50	795	9.50	11.42	—	—	—	—	14.3	0.84
22	2.20	1	10	6.0	13.6	X	X	1590	12.86	17.86	795	9.75	11.68	—	—	—	—	14.0	0.84
23	2.20	1	1	7.1	16.0	X	X	—	—	—	795	12.39	14.54	—	—	—	—	—	—
24	2.20	1	1	8.9	20.0	X	—	—	—	—	795	16.30	18.88	—	—	—	—	—	—
25	2.21	1	2	3.0	7.0	X	X	1583	2.72	6.96	791	2.30	4.62	10.9	0.79	16.4	0.85	22.0	0.89
														B32		B40		B48	
26	2.21	1	1	3.4	7.9	X	—	1583	4.15	8.38	791	3.18	5.52	7.7	0.74	11.8	0.80	15.9	0.85
27	2.21	1	2	3.9	9.0	X	X	1583	5.82	10.05	791	4.27	6.62	—	—	10.5	0.79	14.6	0.84
28	2.21	1	6	4.8	11.0	X	—	1583	9.02	13.19	791	6.66	8.50	—	—	—	—	12.1	0.81
29	2.21	3	2	6.6	15.0	X	X	1583	14.31	19.82	791	11.21	13.26	—	—	—	—	—	—
30	2.21	1	10	6.8	15.4	X	—	—	—	—	791	11.69	13.78	—	—	—	—	—	—
														B48		B65		B82	
31	2.21	1	2	10.4	23.4	X	—	—	—	—	791	19.12	22.14	—	—	—	—	—	—
32	2.21	1	4	12.4	27.8	X	—	—	—	—	791	22.20	25.94	—	—	—	—	—	—
33	2.21	1	2	13.4	30.0	X	—	—	—	—	791	23.42	27.57	—	—	—	—	—	—
34	2.22	1	10	5.4	12.4	X	X	1576	11.08	15.64	788	8.23	10.06	10.3	0.79	19.1	0.90	27.7	0.95
35	2.23	1	2	3.6	8.4	X	—	1569	4.84	9.07	784	3.62	5.96	15.3	0.84	23.9	0.92	32.4	0.97
														B42		B55		B70	
36	2.23	1	6	7.0	16.0	X	—	—	—	—	784	12.16	14.29	—	—	—	—	17.3	0.88
37	2.23	1	10	11.0	25.0	X	—	—	—	—	784	20.13	23.35	—	—	—	—	—	—
38	2.24	1	1	3.0	7.1	X	X	1562	2.72	6.96	781	2.30	4.62	13.8	0.82	20.4	0.88	27.9	0.94
39	2.24	1	6	3.4	8.0	X	—	1562	4.15	8.38	781	3.19	5.52	12.7	0.81	19.3	0.87	26.9	0.94
40	2.24	1	1	3.8	8.9	X	—	1562	5.50	9.73	781	4.06	6.40	11.7	0.80	18.3	0.87	25.8	0.93
														B34		B44		B54	
41	2.24	1	2	5.8	13.4	X	—	1562	12.30	17.14	781	9.24	11.15	—	—	—	—	12.2	0.81
42	2.24	1	2	5.9	13.6	X	X	1562	12.58	17.50	781	9.50	11.42	—	—	—	—	12.0	0.81
43	2.25	1	6	4.0	9.4	X	—	1555	6.14	10.37	777	4.48	6.83	—	—	12.1	0.81	17.2	0.86
44	2.25	1	2	4.9	11.4	X	X	1555	9.38	13.61	777	6.92	8.70	—	—	9.6	0.77	14.7	0.84
45	2.25	1	10	8.0	18.4	X	—	—	—	—	777	14.41	16.77	—	—	—	—	—	—
														B42		B55		B70	
46	2.25	1	1	10.9	25.0	X	—	—	—	—	777	19.97	23.15	—	—	—	—	—	—
47	2.26	1	6	3.8	9.0	X	—	1548	5.50	9.73	774	4.06	6.40	11.6	0.80	18.2	0.87	25.7	0.93
48	2.26	1	1	4.2	9.9	X	—	1548	6.76	10.99	774	5.04	7.26	10.4	0.79	17.1	0.86	24.7	0.93
49	2.26	1	1	6.2	14.4	X	—	1548	13.38	18.54	774	10.24	12.22	—	—	11.5	0.80	19.3	0.90
50	2.26	1	1	6.9	16.0	X	X	—	—	—	774	11.92	14.03	—	—	—	—	17.3	0.88
														B28		B36		B44	
51	2.27	1	2	4.4	10.4	X	—	1541	7.49	11.58	770	5.58	7.68	—	—	—	—	10.9	0.79
52	2.27	1	10	5.8	13.6	X	—	1541	12.30	17.14	770	9.24	11.15	—	—	—	—	—	—
53	2.27	1	10	6.6	15.4	X	X	1541	14.31	19.82	770	11.21	13.26	—	—	—	—	—	—
54	2.28	1	6	3.6	8.6	X	—	1535	4.84	9.07	767	3.62	5.96	—	—	9.0	0.76	13.1	0.82
55	2.28	1	1	4.6	10.9	X	—	1535	8.27	12.32	767	6.12	8.09	—	—	—	—	10.2	0.78
														B36		B47		B58	
56	2.28	3	2	6.4	15.0	X	X	1535	13.86	19.19	767	10.73	12.74	—	—	—	—	12.4	0.81
57	2.28	1	1	7.9	18.4	X	—	—	—	—	767	14.19	16.52	—	—	—	—	—	—
58	2.28	1	10	8.6	20.0	X	—	—	—	—	767	15.69	18.19	—	—	—	—	—	—
59	2.29	1	2	4.8	11.4	X	—	1528	9.02	13.19	764	6.66	8.50	—	—	11.2	0.80	16.9	0.86
60	2.29	1	1	6.1	14.4	X	X	1528	13.12	18.20	764	9.99	11.95	—	—	—	—	13.2	0.82
														B32		B40		B48	
61	2.29	1	6	6.8	16.0	X	—	—	—	—	764	11.69	13.78	—	—	—	—	—	—
62	2.30	1	2	3.9	9.4	X	X	1521	5.83	10.05	760	4.27	6.62	—	—	10.1	0.78	14.2	0.83
63	2.30	1	6	4.6	11.0	X	—	1521	8.27	12.32	760	6.12	8.09	—	—	—	—	12.2	0.81
64	2.30	1	6	5.2	12.4	X	—	1521	10.43	14.85	760	7.71	9.51	—	—	—	—	10.5	0.79
65	2.31	1	1	4.1	9.9	X	—	1515	6.46	10.68	757	4.76	7.04	—	—	9.5	0.77	13.6	0.83
														B42		B55		B70	
66	2.32	1	2	5.6	13.4	X	X	1508	11.71	16.41	754	8.74	10.61	—	—	12.9	0.82	20.6	0.91
67	2.32	1	1	9.9	23.4	X	—	—	—	—	754	18.23	21.09	—	—	—	—	—	—
68	2.33	1	2	3.0	7.4	X	X	1502	2.73	6.96	751	2.30	4.62	13.6	0.82	20.1	0.88	27.6	0.94
69	2.33	1	1	6.0	14.4	X	X	1502	12.86	17.86	751	9.75	11.68	—	—	11.6	0.80	19.4	0.90
70	2.33	1	2	8.4	20.0	X	X	—	—	—	751	15.27	17.72	—	—	—	—	—	—
														B28		B36		B44	
71	2.34	1	1	3.2	7.9	X	—	1495	3.45	7.68	747	2.75	5.07	—	—	9.9	0.77	14.0	0.82
72	2.34	1	10	6.4	15.4	X	X	1495	13.86	19.19	747	10.73	12.74	—	—	—	—	—	—
73	2.35	1	2	3.4	8.4	X	—	1489	4.16	8.38	744	3.19	5.52	—	—	9.3	0.77	13.4	0.82
74	2.35	1	1	3.6	8.9	X	—	1489	4.84	9.07	744	3.63	5.96	—	—	8.7	0.76	12.8	0.81
75	2.35	1	2	5.1	12.4	X	X	1489	10.09	14.44	744	7.45	9.24	—	—	—	—	—	—

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts

Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
B85		**B100**		**B116**		**B128**		**B144**		**B154**		**B162**		**B173**		**B195**		
25.5	0.94	33.0	0.98	41.1	1.03	47.1	1.05	55.2	1.08	60.2	1.10	64.2	1.11	69.7	1.13	80.7	1.15	1
33.1	0.97	40.6	1.01	48.6	1.05	54.6	1.07	62.6	1.09	67.6	1.12	71.7	1.12	77.2	1.14	88.2	1.16	2
30.3	0.96	37.8	1.00	45.8	1.04	51.9	1.06	59.9	1.08	64.9	1.11	68.9	1.12	74.4	1.13	85.4	1.16	3
—	—	21.2	0.92	29.5	0.98	35.7	1.01	43.8	1.05	48.9	1.08	52.9	1.09	58.4	1.10	69.5	1.13	4
33.6	0.97	41.1	1.01	49.1	1.05	55.1	1.07	63.1	1.09	68.1	1.12	72.1	1.13	77.6	1.14	88.6	1.16	5
B100		**B116**		**B133**		**B150**		**B173**		**B195**		**B210**		**B225**		**B240**		
39.6	1.00	47.6	1.05	56.1	1.07	64.6	1.09	76.1	1.14	87.1	1.16	94.6	1.17	101.4	1.18	108.9	1.22	6
38.3	1.00	46.3	1.04	54.8	1.07	63.3	1.09	74.9	1.13	85.9	1.16	93.4	1.17	100.1	1.18	107.6	1.22	7
35.5	0.99	43.5	1.04	52.0	1.06	60.6	1.09	72.1	1.13	83.1	1.15	90.6	1.17	97.4	1.18	104.9	1.21	8
35.2	0.99	43.3	1.04	51.8	1.06	60.3	1.09	71.8	1.13	82.9	1.15	90.4	1.17	97.1	1.18	104.6	1.21	9
—	—	23.2	0.94	32.1	1.00	40.9	1.04	52.5	1.09	63.6	1.12	71.2	1.14	78.0	1.15	85.5	1.19	10
B69		**B80**		**B91**		**B103**		**B116**		**B128**		**B140**		**B150**		**B162**		
27.6	0.94	33.1	0.97	38.6	0.99	44.6	1.02	51.1	1.05	57.1	1.07	63.1	1.09	68.1	1.10	74.1	1.13	11
23.4	0.92	29.0	0.96	34.5	0.98	40.5	1.01	47.0	1.04	53.0	1.06	59.1	1.08	64.1	1.09	70.1	1.12	12
17.4	0.89	23.0	0.93	28.6	0.96	34.6	0.99	41.2	1.03	47.2	1.05	53.2	1.07	58.2	1.08	64.3	1.11	13
—	—	17.3	0.88	23.0	0.93	29.1	0.97	35.7	1.01	41.8	1.04	47.8	1.06	52.8	1.07	58.9	1.10	14
25.2	0.93	30.8	0.96	36.3	0.99	42.3	1.01	48.8	1.05	54.8	1.07	60.8	1.08	65.8	1.10	71.8	1.12	15
B49		**B56**		**B63**		**B70**		**B77**		**B84**		**B91**		**B98**		**B105**		
12.7	0.82	16.3	0.86	19.8	0.90	23.4	0.92	26.9	0.94	30.4	0.96	33.9	0.98	37.5	0.99	41.0	1.01	16
—	—	11.9	0.81	15.6	0.87	19.2	0.90	22.7	0.92	26.3	0.95	29.8	0.97	33.3	0.98	36.9	1.00	17
16.9	0.85	20.5	0.88	24.0	0.92	27.5	0.94	31.0	0.96	34.5	0.98	38.0	0.99	41.5	1.01	45.0	1.02	18
14.6	0.84	18.1	0.87	21.6	0.91	25.2	0.93	28.7	0.95	32.2	0.97	35.7	0.99	39.2	1.00	42.7	1.01	19
12.1	0.81	15.7	0.85	19.3	0.90	22.8	0.92	26.3	0.94	29.9	0.96	33.4	0.98	36.9	0.99	40.4	1.01	20
B69		**B80**		**B91**		**B103**		**B116**		**B128**		**B140**		**B150**		**B162**		
19.9	0.90	25.5	0.94	31.0	0.97	37.1	1.00	43.6	1.04	49.6	1.06	55.6	1.07	60.6	1.09	66.6	1.12	21
19.6	0.90	25.2	0.94	30.8	0.97	36.8	1.00	43.3	1.04	49.4	1.06	55.4	1.07	60.4	1.09	66.4	1.12	22
16.7	0.88	22.3	0.92	27.9	0.96	34.0	0.99	40.5	1.03	46.6	1.05	52.6	1.07	57.6	1.08	63.6	1.11	23
—	—	17.3	0.88	23.0	0.93	29.2	0.97	35.8	1.01	41.8	1.04	47.9	1.06	52.9	1.07	59.0	1.10	24
27.5	0.94	33.0	0.97	38.5	0.99	44.5	1.02	51.0	1.05	57.0	1.07	63.0	1.09	68.0	1.10	74.0	1.13	25
B56		**B64**		**B72**		**B80**		**B88**		**B96**		**B103**		**B112**		**B120**		
19.9	0.88	23.9	0.92	27.9	0.94	32.0	0.97	36.0	0.98	40.0	1.00	43.5	1.01	48.0	1.03	52.0	1.06	26
18.6	0.87	22.6	0.92	26.7	0.94	30.7	0.96	34.7	0.98	38.7	1.00	42.2	1.01	46.7	1.03	50.7	1.05	27
16.2	0.86	20.3	0.90	24.3	0.93	28.3	0.95	32.3	0.97	36.4	0.99	39.9	1.00	44.4	1.02	48.4	1.05	28
—	—	15.4	0.86	19.5	0.90	23.6	0.93	27.6	0.95	31.7	0.97	35.2	0.99	39.7	1.01	43.7	1.04	29
—	—	14.9	0.86	19.0	0.90	23.1	0.93	27.1	0.95	31.2	0.97	34.7	0.99	39.2	1.01	43.3	1.04	30
B100		**B116**		**B133**		**B150**		**B173**		**B195**		**B210**		**B225**		**B240**		
23.5	0.93	31.7	0.99	40.3	1.03	48.9	1.06	60.5	1.11	71.6	1.13	79.1	1.15	85.9	1.16	93.4	1.20	31
—	—	26.2	0.96	35.0	1.01	43.7	1.04	55.3	1.10	66.4	1.12	73.9	1.14	80.7	1.16	88.3	1.19	32
—	—	23.4	0.94	32.3	1.00	41.0	1.04	52.7	1.09	63.8	1.12	71.3	1.14	78.1	1.15	85.7	1.19	33
36.8	0.99	44.8	1.04	53.3	1.07	61.8	1.09	73.3	1.13	84.4	1.15	91.9	1.17	98.6	1.18	106.1	1.22	34
41.4	1.01	49.4	1.05	57.9	1.07	66.4	1.10	77.9	1.14	88.9	1.16	96.5	1.17	103.2	1.18	110.7	1.22	35
B85		**B100**		**B116**		**B128**		**B144**		**B154**		**B162**		**B173**		**B195**		
24.9	0.94	32.5	0.98	40.6	1.03	46.6	1.05	54.7	1.07	59.7	1.10	63.7	1.11	69.2	1.12	80.2	1.15	36
—	—	21.5	0.92	29.8	0.98	36.0	1.01	44.1	1.04	49.1	1.08	53.2	1.09	58.7	1.10	69.8	1.13	37
35.4	0.98	42.9	1.01	50.9	1.05	56.9	1.07	64.9	1.09	69.9	1.12	73.9	1.13	79.4	1.14	90.4	1.16	38
34.4	0.98	41.9	1.01	49.9	1.05	55.9	1.07	63.9	1.09	68.9	1.12	72.9	1.13	78.4	1.14	89.4	1.16	39
33.3	0.97	40.9	1.00	48.9	1.05	54.9	1.07	62.9	1.09	67.9	1.12	71.9	1.12	77.4	1.14	88.4	1.16	40
B64		**B74**		**B84**		**B94**		**B103**		**B112**		**B124**		**B136**		**B144**		
17.4	0.88	22.5	0.92	27.6	0.95	32.6	0.98	37.1	1.00	41.7	1.01	47.7	1.05	53.7	1.07	57.7	1.08	41
17.2	0.88	22.3	0.92	27.3	0.95	32.4	0.98	36.9	1.00	41.4	1.01	47.4	1.05	53.5	1.07	57.5	1.08	42
22.2	0.91	27.2	0.94	32.3	0.97	37.3	0.99	41.8	1.01	46.3	1.02	52.3	1.06	58.3	1.08	62.3	1.09	43
19.8	0.90	24.9	0.93	29.9	0.96	35.0	0.98	39.5	1.00	44.0	1.02	50.0	1.05	56.0	1.07	60.0	1.08	44
—	—	16.4	0.87	21.5	0.92	26.7	0.95	31.2	0.97	35.8	0.99	41.9	1.03	47.9	1.05	51.9	1.07	45
B85		**B100**		**B116**		**B128**		**B144**		**B154**		**B162**		**B173**		**B195**		
—	—	21.6	0.91	29.9	0.98	36.0	1.01	44.2	1.04	49.2	1.08	53.3	1.09	58.8	1.10	69.9	1.13	46
33.3	0.97	40.8	1.00	48.8	1.05	54.8	1.07	62.8	1.09	67.8	1.12	71.8	1.12	77.3	1.14	88.3	1.16	47
32.2	0.97	39.7	1.00	47.7	1.05	53.8	1.06	61.8	1.09	66.8	1.11	70.8	1.12	76.3	1.13	87.3	1.16	48
26.9	0.95	34.5	0.99	42.5	1.03	48.6	1.05	56.6	1.08	61.6	1.10	65.6	1.11	71.1	1.13	82.1	1.15	49
25.0	0.94	32.6	0.98	40.7	1.03	46.7	1.05	54.7	1.07	59.8	1.10	63.8	1.11	69.3	1.12	80.3	1.15	50
B52		**B59**		**B66**		**B73**		**B80**		**B87**		**B94**		**B103**		**B112**		
15.0	0.84	18.5	0.87	22.1	0.91	25.6	0.94	29.1	0.95	32.6	0.97	36.2	0.99	40.7	1.01	45.2	1.02	51
11.0	0.80	14.7	0.84	18.3	0.89	21.8	0.92	25.4	0.94	28.9	0.96	32.4	0.98	37.0	0.99	41.5	1.01	52
—	—	12.3	0.81	16.0	0.87	19.6	0.90	23.2	0.93	26.8	0.95	30.3	0.97	34.9	0.99	39.4	1.01	53
17.1	0.86	20.7	0.89	24.2	0.92	27.7	0.94	31.2	0.96	34.7	0.98	38.2	0.99	42.7	1.01	47.3	1.03	54
14.4	0.84	18.0	0.87	21.5	0.91	25.0	0.93	28.6	0.95	32.1	0.97	35.6	0.99	40.1	1.00	44.6	1.02	55
B69		**B80**		**B91**		**B103**		**B116**		**B128**		**B140**		**B150**		**B162**		
18.1	0.89	23.7	0.93	29.3	0.96	35.3	0.99	41.9	1.03	47.9	1.05	53.9	1.07	58.9	1.08	65.0	1.11	56
—	—	19.6	0.90	25.2	0.94	31.3	0.97	37.9	1.02	43.9	1.04	50.0	1.06	55.0	1.07	61.0	1.11	57
—	—	17.5	0.88	23.3	0.93	29.4	0.96	36.0	1.01	42.1	1.03	48.1	1.05	53.1	1.07	59.2	1.10	58
22.4	0.92	28.0	0.95	33.5	0.98	39.5	1.00	46.1	1.04	52.1	1.06	58.1	1.08	63.1	1.09	69.1	1.12	59
18.9	0.89	24.5	0.93	30.0	0.96	36.1	0.99	42.6	1.03	48.6	1.05	54.6	1.07	59.7	1.08	65.7	1.11	60
B56		**B64**		**B72**		**B80**		**B88**		**B96**		**B103**		**B112**		**B120**		
—	—	14.3	0.85	18.4	0.89	22.5	0.92	26.6	0.95	30.7	0.97	34.2	0.98	38.7	1.00	42.8	1.03	61
18.3	0.87	22.3	0.91	26.3	0.94	30.3	0.96	34.3	0.98	38.4	0.99	41.9	1.01	46.4	1.02	50.4	1.05	62
16.3	0.85	20.4	0.90	24.4	0.93	28.5	0.95	32.5	0.97	36.5	0.99	40.0	1.00	44.5	1.02	48.5	1.05	63
14.6	0.84	18.7	0.89	22.8	0.92	26.8	0.94	30.9	0.97	34.9	0.98	38.4	1.00	42.9	1.02	46.9	1.04	64
17.7	0.86	21.7	0.91	25.7	0.93	29.8	0.96	33.8	0.98	37.8	0.99	41.3	1.01	45.8	1.02	49.8	1.05	65
B85		**B100**		**B116**		**B128**		**B144**		**B154**		**B162**		**B173**		**B195**		
28.2	0.95	35.8	0.99	43.8	1.03	49.8	1.05	57.9	1.08	62.9	1.11	66.9	1.12	72.4	1.13	83.4	1.15	66
—	—	23.8	0.93	32.0	0.99	38.2	1.02	46.3	1.05	51.3	1.08	55.3	1.09	60.9	1.11	71.9	1.13	67
35.2	0.98	42.7	1.01	50.7	1.05	56.7	1.07	64.7	1.09	69.7	1.12	73.7	1.13	79.2	1.14	90.2	1.16	68
27.1	0.95	34.6	0.98	42.7	1.03	48.7	1.05	56.7	1.08	61.7	1.10	65.8	1.11	71.3	1.13	82.3	1.15	69
20.3	0.90	28.0	0.96	36.1	1.01	42.2	1.03	50.3	1.06	55.3	1.09	59.3	1.10	64.8	1.12	75.9	1.14	70
B52		**B59**		**B66**		**B73**		**B80**		**B87**		**B94**		**B103**		**B112**		
18.0	0.86	21.6	0.89	25.1	0.93	28.6	0.95	32.1	0.96	35.6	0.98	39.1	1.00	43.6	1.01	48.1	1.03	71
—	—	12.5	0.81	16.2	0.87	19.8	0.90	23.4	0.93	26.9	0.95	30.5	0.97	35.0	0.99	39.5	1.01	72
17.5	0.86	21.0	0.89	24.5	0.92	28.0	0.94	31.5	0.96	35.0	0.98	38.6	0.99	43.1	1.01	47.6	1.03	73
16.9	0.85	20.4	0.88	23.9	0.92	27.5	0.94	31.0	0.96	34.5	0.98	38.0	0.99	42.5	1.01	47.0	1.03	74
12.6	0.81	16.3	0.85	19.8	0.90	23.4	0.92	26.9	0.94	30.4	0.96	34.0	0.98	38.5	1.00	43.0	1.02	75

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Datum Diameter Driver	Datum Diameter Driven	Type Fix.	Type Var.	Nominal Driven Speeds and Horsepower per Belt — 3500 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	1750 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	Center Distance in Inches and "F" Factor for Browning Belts: Belt No.	C.D.	F	Belt No.	C.D.	F	Belt No.	C.D.	F
														B42			B55			B70		
1	2.35	1	10	5.6	13.6	X	X	1489	11.71	16.41	744	8.74	10.61	—	—		12.7	0.82		20.4	0.90	
2	2.35	3	2	6.2	15.0	X	—	1489	13.38	18.54	744	10.24	12.22	—	—		—	—		18.7	0.89	
3	2.36	1	6	3.8	9.4	X	—	1483	5.51	9.73	741	4.06	6.40	11.2	0.79		17.8	0.86		25.4	0.93	
4	2.36	1	6	6.6	16.0	X	X	1483	14.31	19.82	741	11.21	13.26	—	—		—	—		17.5	0.88	
5	2.36	1	2	10.4	25.0	X	—	—	—	—	741	19.12	22.14	—	—		—	—		—	—	
														B28			B35			B42		
6	2.37	1	2	3.2	8.0	X	—	1476	3.45	7.68	738	2.75	5.07	—	—		9.3	0.76		12.9	0.81	
7	2.37	1	1	4.0	9.9	X	—	1476	6.15	10.37	738	4.49	6.83	—	—		—	—		10.6	0.79	
8	2.37	1	2	4.2	10.4	X	—	1476	6.77	10.99	738	5.04	7.26	—	—		—	—		10.0	0.78	
9	2.37	1	1	5.9	14.4	X	X	1476	12.58	17.50	738	9.50	11.42	—	—		—	—		—	—	
10	2.38	1	6	3.6	9.0	X	—	1470	4.85	9.07	735	3.63	5.96	—	—		8.1	0.74		11.7	0.80	
														B48			B65			B82		
11	2.38	1	1	4.4	10.9	X	—	1470	7.49	11.58	735	5.58	7.68	12.5	0.81		21.1	0.90		29.7	0.96	
12	2.38	1	2	4.6	11.4	X	—	1470	8.27	12.32	735	6.12	8.09	11.9	0.80		20.6	0.90		29.1	0.95	
13	2.38	1	10	12.4	30.0	X	—	—	—	—	735	22.20	25.94	—	—		—	—		—	—	
14	2.39	1	6	5.0	12.4	X	—	1464	9.74	14.03	732	7.19	8.96	10.6	0.79		19.4	0.89		28.0	0.95	
15	2.39	3	2	6.1	15.0	X	X	1464	13.12	18.20	732	9.99	11.95	—	—		16.2	0.87		24.9	0.93	
														B44			B59			B74		
16	2.40	1	6	3.4	8.6	X	—	1458	4.16	8.38	729	3.19	5.52	13.2	0.82		20.8	0.88		28.4	0.95	
17	2.40	1	6	4.4	11.0	X	—	1458	7.49	11.58	729	5.58	7.68	10.3	0.78		18.0	0.87		25.6	0.93	
18	2.40	1	2	5.4	13.4	X	X	1458	11.08	15.64	729	8.23	10.06	—	—		15.1	0.84		22.8	0.92	
19	2.40	1	1	5.8	14.4	X	—	1458	12.30	17.14	729	9.24	11.15	—	—		13.9	0.83		21.6	0.91	
20	2.40	1	2	11.4	27.8	X	—	—	—	—	729	20.77	24.12	—	—		—	—		—	—	
														B34			B43			B52		
21	2.41	1	10	6.2	15.4	X	—	1452	13.38	18.54	726	10.24	12.22	—	—		—	—		—	—	
22	2.42	1	1	3.9	9.9	X	X	1446	5.83	10.05	723	4.28	6.62	—	—		11.2	0.79		15.8	0.84	
23	2.42	3	2	6.0	15.0	X	X	1446	12.86	17.86	723	9.75	11.68	—	—		—	—		—	—	
24	2.42	1	10	7.4	18.4	X	X	—	—	—	723	13.08	15.30	—	—		—	—		—	—	
25	2.43	1	2	4.1	10.4	X	—	1440	6.46	10.68	720	4.76	7.04	—	—		10.5	0.78		15.2	0.84	
														B40			B52			B64		
26	2.43	1	10	5.4	13.6	X	X	1440	11.08	15.64	720	8.23	10.06	—	—		11.2	0.79		17.5	0.88	
27	2.43	1	6	6.4	16.0	X	X	1440	13.86	19.19	720	10.73	12.74	—	—		—	—		14.5	0.85	
28	2.44	1	2	4.9	12.4	X	X	1434	9.38	13.61	717	6.92	8.70	—	—		12.8	0.81		18.9	0.89	
29	2.44	1	10	8.0	20.0	X	—	—	—	—	717	14.41	16.77	—	—		—	—		—	—	
30	2.44	1	4	9.4	23.4	X	X	—	—	—	717	17.29	20.00	—	—		—	—		—	—	
														B36			B46			B56		
31	2.45	1	2	6.1	15.4	X	X	1428	13.12	18.20	714	9.99	11.95	—	—		—	—		—	—	
32	2.46	3	2	5.9	15.0	X	X	1422	12.58	17.50	711	9.50	11.42	—	—		—	—		11.6	0.79	
33	2.47	1	1	7.9	20.0	X	—	—	—	—	708	14.19	16.52	—	—		—	—		—	—	
34	2.48	1	1	3.0	7.9	X	X	1411	2.73	6.96	705	2.30	4.62	10.0	0.77		15.1	0.83		20.2	0.88	
35	2.48	1	2	3.2	8.4	X	—	1411	3.46	7.68	705	2.75	5.07	9.4	0.76		14.6	0.83		19.6	0.87	
														B28			B34			B40		
36	2.48	1	1	3.4	8.9	X	—	1411	4.17	8.38	705	3.19	5.52	—	—		7.8	0.73		10.9	0.79	
37	2.48	1	6	3.6	9.4	X	—	1411	4.85	9.07	705	3.63	5.96	—	—		—	—		10.3	0.78	
38	2.48	1	1	3.8	9.9	X	—	1411	5.51	9.73	705	4.06	6.40	—	—		—	—		9.7	0.77	
39	2.48	1	2	4.0	10.4	X	—	1411	6.16	10.37	705	4.49	6.83	—	—		—	—		9.0	0.76	
40	2.48	1	1	4.2	10.9	X	—	1411	6.77	10.99	705	5.04	7.26	—	—		—	—		—	—	
														B44			B59			B74		
41	2.48	1	2	4.4	11.4	X	—	1411	7.49	11.58	705	5.58	7.68	9.9	0.77		17.7	0.86		25.3	0.93	
42	2.48	1	1	9.9	25.0	X	—	—	—	—	705	18.23	21.09	—	—		—	—		—	—	
43	2.48	1	4	11.0	27.8	X	—	—	—	—	705	20.13	23.35	—	—		—	—		—	—	
44	2.49	1	6	4.8	12.4	X	—	1405	9.02	13.19	702	6.66	8.50	—	—		16.5	0.85		24.1	0.92	
45	2.49	1	2	5.2	13.4	X	—	1405	10.43	14.85	702	7.71	9.51	—	—		15.2	0.84		22.9	0.92	
														B44			B59			B74		
46	2.49	1	1	5.6	14.4	X	X	1405	11.71	16.41	702	8.74	10.61	—	—		14.0	0.83		21.8	0.91	
47	2.49	1	10	6.0	15.4	X	X	1405	12.86	17.86	702	9.75	11.68	—	—		12.7	0.81		20.6	0.90	
48	2.50	3	2	5.8	15.0	X	—	1400	12.30	17.14	700	9.24	11.15	—	—		13.3	0.82		21.1	0.90	
49	2.50	1	6	6.2	16.0	X	—	1400	13.38	18.54	700	10.21	12.22	—	—		—	—		19.9	0.90	
50	2.50	1	1	10.9	27.8	X	—	—	—	—	700	19.97	23.15	—	—		—	—		—	—	
														B34			B43			B52		
51	2.51	1	2	3.0	8.0	X	X	1394	2.74	6.96	697	2.31	4.62	8.9	0.75		13.5	0.82		18.1	0.86	
52	2.51	1	6	3.4	9.0	X	—	1394	4.17	8.38	697	3.19	5.52	7.7	0.73		12.3	0.80		16.9	0.85	
53	2.51	1	6	4.2	11.0	X	—	1394	6.77	10.99	697	5.04	7.26	—	—		9.9	0.77		14.6	0.83	
54	2.52	1	6	5.2	13.6	X	—	1388	10.43	14.85	694	7.71	9.51	—	—		—	—		11.4	0.79	
55	2.52	1	1	7.1	18.4	X	X	—	—	—	694	12.39	14.54	—	—		—	—		—	—	
														B28			B36			B44		
56	2.53	1	2	5.1	13.4	X	X	1383	10.09	14.44	691	7.45	9.24	—	—		—	—		—	—	
57	2.53	1	2	5.9	15.4	X	X	1383	12.58	17.50	691	9.50	11.42	—	—		—	—		—	—	
58	2.54	1	2	3.2	8.6	X	—	1377	3.46	7.68	688	2.75	5.07	—	—		9.2	0.76		13.4	0.81	
59	2.54	1	2	3.9	10.4	X	X	1377	5.84	10.05	688	4.28	6.62	—	—		—	—		11.2	0.79	
60	2.54	1	1	4.1	10.9	X	—	1377	6.47	10.68	688	4.76	7.04	—	—		—	—		10.6	0.78	
														B40			B52			B64		
61	2.54	1	2	6.1	16.0	X	X	1377	13.12	18.20	688	9.99	11.95	—	—		—	—		14.7	0.84	
62	2.54	1	4	9.0	23.4	X	—	—	—	—	688	16.50	19.11	—	—		—	—		—	—	
63	2.56	1	2	4.1	11.0	X	—	1367	6.47	10.68	683	4.76	7.04	—	—		14.6	0.83		20.8	0.90	
64	2.56	1	10	7.0	18.4	X	—	—	—	—	683	12.16	14.29	—	—		—	—		—	—	
65	2.57	1	2	5.1	13.6	X	X	1361	10.09	14.44	680	7.45	9.24	—	—		11.4	0.79		17.7	0.88	
														B40			B52			B64		
66	2.57	1	1	5.4	14.4	X	X	1361	11.08	15.64	680	8.23	10.06	—	—		—	—		16.8	0.87	
67	2.57	1	10	5.8	15.4	X	—	1361	12.30	17.14	680	9.24	11.15	—	—		—	—		15.5	0.85	
68	2.57	1	1	8.9	23.4	X	—	—	—	—	680	16.30	18.88	—	—		—	—		—	—	
69	2.58	1	2	5.0	13.4	X	—	1356	9.75	14.03	678	7.19	8.96	—	—		11.7	0.79		18.0	0.88	
70	2.58	1	6	6.0	16.0	X	X	1356	12.86	17.86	678	9.75	11.68	—	—		—	—		14.8	0.84	
														B46			B62			B78		
71	2.58	1	2	11.4	30.0	X	—	—	—	—	678	20.77	24.12	—	—		—	—		—	—	
72	2.59	1	6	4.6	12.4	X	—	1351	8.27	12.32	675	6.12	8.09	9.8	0.76		18.1	0.88		26.3	0.94	
73	2.59	3	2	5.6	15.0	X	X	1351	11.71	16.41	675	8.74	10.61	—	—		15.0	0.85		23.3	0.92	
74	2.59	1	1	6.9	18.4	X	X	—	—	—	675	11.92	14.03	—	—		—	—		19.2	0.89	
75	2.60	1	2	3.8	10.4	X	—	1346	5.52	9.73	673	4.07	6.40	12.3	0.80		20.5	0.90		28.6	0.95	

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts

Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
B85		**B100**		**B116**		**B128**		**B144**		**B154**		**B162**		**B173**		**B195**		
28.0	0.95	35.6	0.99	43.6	1.03	49.7	1.05	57.7	1.08	62.7	1.11	66.7	1.12	72.2	1.13	83.2	1.15	1
26.4	0.94	34.0	0.98	42.0	1.03	48.1	1.05	56.1	1.07	61.1	1.10	65.1	1.11	70.6	1.13	81.6	1.15	2
32.9	0.97	40.4	1.00	48.5	1.05	54.5	1.06	62.5	1.09	67.5	1.11	71.5	1.12	77.0	1.14	88.0	1.16	3
25.2	0.94	32.8	0.98	40.9	1.03	46.9	1.05	55.0	1.07	60.0	1.10	64.0	1.11	69.5	1.12	80.5	1.15	4
—	—	21.9	0.91	30.2	0.98	36.4	1.01	44.5	1.04	49.6	1.07	53.6	1.09	59.2	1.10	70.2	1.13	5
B49		**B56**		**B63**		**B70**		**B77**		**B84**		**B91**		**B98**		**B105**		
16.4	0.85	20.0	0.88	23.5	0.92	27.0	0.94	30.5	0.96	34.0	0.97	37.5	0.99	41.0	1.00	44.5	1.02	6
14.2	0.83	17.7	0.86	21.3	0.90	24.8	0.93	28.3	0.95	31.9	0.97	35.4	0.98	38.9	1.00	42.4	1.01	7
13.6	0.82	17.2	0.86	20.7	0.90	24.2	0.92	27.8	0.95	31.3	0.96	34.8	0.98	38.3	1.00	41.8	1.01	8
—	—	12.2	0.81	15.9	0.86	19.5	0.90	23.1	0.92	26.6	0.94	30.2	0.96	33.7	0.98	37.2	1.00	9
15.3	0.84	18.8	0.87	22.3	0.91	25.9	0.93	29.4	0.95	32.9	0.97	36.4	0.99	39.9	1.00	43.4	1.01	10
B100		**B116**		**B133**		**B150**		**B173**		**B195**		**B210**		**B225**		**B240**		
38.8	1.00	46.8	1.04	55.3	1.07	63.8	1.09	75.3	1.13	86.3	1.15	93.8	1.17	100.6	1.18	108.1	1.22	11
38.2	1.00	46.2	1.04	54.7	1.07	63.2	1.09	74.8	1.13	85.8	1.15	93.3	1.17	100.0	1.18	107.5	1.22	12
—	—	24.0	0.94	32.9	0.99	41.7	1.03	53.4	1.09	64.5	1.12	72.1	1.13	78.9	1.15	86.4	1.19	13
37.1	0.99	45.1	1.04	53.6	1.06	62.1	1.09	73.6	1.13	84.7	1.15	92.2	1.17	98.9	1.18	106.4	1.21	14
34.0	0.98	42.1	1.03	50.6	1.06	59.2	1.08	70.7	1.13	81.7	1.15	89.2	1.16	96.0	1.17	103.5	1.21	15
B89		**B105**		**B120**		**B136**		**B150**		**B162**		**B180**		**B195**		**B210**		
35.9	0.98	43.9	1.01	51.4	1.05	59.4	1.08	66.4	1.10	72.4	1.12	81.4	1.14	88.9	1.16	96.4	1.17	16
33.1	0.97	41.2	1.01	48.7	1.05	56.7	1.07	63.7	1.09	69.7	1.12	78.7	1.14	86.2	1.15	93.8	1.17	17
30.4	0.96	38.4	1.00	46.0	1.04	54.0	1.07	61.0	1.09	67.0	1.12	76.0	1.14	83.5	1.15	91.1	1.17	18
29.2	0.96	37.3	0.99	44.8	1.04	52.9	1.06	59.9	1.08	65.9	1.11	74.9	1.13	82.4	1.15	89.9	1.16	19
—	—	21.0	0.90	29.0	0.97	37.2	1.01	44.4	1.04	50.5	1.08	59.6	1.10	67.1	1.12	74.7	1.14	20
B61		**B70**		**B79**		**B88**		**B98**		**B108**		**B116**		**B124**		**B136**		
13.7	0.82	18.4	0.89	23.0	0.92	27.6	0.95	32.6	0.97	37.7	1.00	41.7	1.03	45.7	1.04	51.7	1.06	21
20.3	0.88	24.9	0.93	29.4	0.95	33.9	0.97	39.0	1.00	44.0	1.02	48.0	1.04	52.0	1.06	58.0	1.07	22
14.2	0.83	18.9	0.89	23.5	0.92	28.1	0.95	33.1	0.98	38.1	1.00	42.2	1.03	46.2	1.04	52.2	1.06	23
—	—	14.6	0.85	19.4	0.89	24.0	0.93	29.1	0.96	34.2	0.98	38.3	1.02	42.3	1.03	48.3	1.05	24
19.8	0.88	24.3	0.92	28.8	0.95	33.4	0.97	38.4	0.99	43.4	1.01	47.4	1.04	51.4	1.06	57.4	1.07	25
B76		**B88**		**B100**		**B112**		**B124**		**B136**		**B150**		**B162**		**B180**		
23.6	0.92	29.7	0.96	35.7	0.99	41.8	1.01	47.8	1.05	53.8	1.07	60.8	1.09	66.9	1.11	75.9	1.14	26
20.8	0.90	26.9	0.94	33.0	0.98	39.0	1.00	45.1	1.04	51.1	1.06	58.1	1.08	64.1	1.11	73.2	1.13	27
25.0	0.93	31.1	0.96	37.1	0.99	43.2	1.02	49.2	1.05	55.2	1.07	62.2	1.09	68.2	1.12	77.2	1.14	28
15.8	0.86	22.1	0.91	28.3	0.95	34.4	0.98	40.5	1.02	46.5	1.05	53.6	1.07	59.6	1.10	68.7	1.12	29
—	—	17.8	0.87	24.1	0.93	30.3	0.97	36.5	1.01	42.6	1.03	49.7	1.06	55.7	1.09	64.8	1.11	30
B66		**B76**		**B86**		**B96**		**B105**		**B116**		**B128**		**B140**		**B154**		
16.4	0.87	21.5	0.91	26.6	0.94	31.7	0.97	36.2	0.99	41.8	1.03	47.8	1.05	53.8	1.07	60.8	1.10	31
16.9	0.87	22.0	0.91	27.1	0.94	32.2	0.97	36.7	0.99	42.2	1.03	48.3	1.05	54.3	1.07	61.3	1.10	32
—	—	15.8	0.86	21.1	0.91	26.3	0.94	30.9	0.97	36.5	1.01	42.6	1.03	48.6	1.05	55.7	1.09	33
25.2	0.93	30.2	0.95	35.3	0.98	40.3	1.00	44.8	1.02	50.3	1.05	56.3	1.07	62.3	1.08	69.3	1.12	34
24.7	0.92	29.7	0.95	34.7	0.98	39.7	1.00	44.2	1.01	49.7	1.05	55.7	1.07	61.7	1.08	68.7	1.12	35
B46		**B52**		**B58**		**B64**		**B70**		**B77**		**B84**		**B91**		**B98**		
14.0	0.82	17.0	0.85	20.1	0.88	23.1	0.91	26.1	0.93	29.6	0.95	33.1	0.97	36.6	0.98	40.2	1.00	36
13.4	0.82	16.4	0.85	19.5	0.87	22.5	0.91	25.5	0.93	29.1	0.95	32.6	0.97	36.1	0.98	39.6	1.00	37
12.8	0.81	15.9	0.84	18.9	0.87	21.9	0.91	25.0	0.93	28.5	0.95	32.0	0.97	36.5	0.98	39.0	1.00	38
12.2	0.80	15.3	0.84	18.3	0.87	21.4	0.90	24.4	0.92	27.9	0.94	31.4	0.96	34.9	0.98	38.5	0.99	39
11.6	0.80	14.7	0.83	17.7	0.86	20.8	0.90	23.8	0.92	27.3	0.94	30.9	0.96	34.4	0.98	37.9	0.99	40
B89		**B105**		**B120**		**B136**		**B150**		**B162**		**B180**		**B195**		**B210**		
32.8	0.97	40.8	1.00	48.4	1.05	56.4	1.07	63.4	1.09	69.4	1.12	78.4	1.14	85.9	1.15	93.4	1.17	41
—	—	24.9	0.93	32.6	0.99	40.8	1.03	47.9	1.05	54.0	1.09	63.1	1.11	70.6	1.13	78.1	1.14	42
—	—	21.3	0.90	29.2	0.97	37.5	1.01	44.7	1.04	50.7	1.08	59.9	1.10	67.4	1.12	75.0	1.14	43
31.7	0.97	39.7	1.00	47.2	1.04	55.3	1.07	62.3	1.09	68.3	1.12	77.3	1.14	84.8	1.15	92.3	1.17	44
30.5	0.96	38.6	1.00	46.1	1.04	54.1	1.07	61.2	1.09	67.2	1.11	76.2	1.14	83.7	1.15	91.2	1.16	45
B89		**B105**		**B120**		**B136**		**B150**		**B162**		**B180**		**B195**		**B210**		
29.4	0.96	37.4	0.99	45.0	1.04	53.0	1.06	60.0	1.08	68.1	1.11	75.1	1.13	82.6	1.15	90.1	1.16	46
28.2	0.95	36.3	0.99	43.8	1.03	51.9	1.06	58.9	1.08	64.9	1.11	74.0	1.13	81.5	1.15	89.0	1.16	47
28.7	0.95	36.8	0.99	44.3	1.04	52.4	1.06	59.4	1.08	65.4	1.11	74.4	1.13	81.9	1.15	89.5	1.16	48
27.5	0.95	35.6	0.99	43.2	1.03	51.2	1.06	58.3	1.08	64.3	1.11	73.3	1.13	80.8	1.15	88.3	1.16	49
—	—	21.4	0.90	29.3	0.97	37.6	1.01	44.7	1.04	50.8	1.08	59.9	1.10	67.5	1.12	75.0	1.14	50
B61		**B70**		**B79**		**B88**		**B98**		**B108**		**B116**		**B124**		**B136**		
22.6	0.89	27.1	0.94	31.7	0.96	36.2	0.98	41.2	1.00	46.2	1.02	50.2	1.05	54.2	1.06	60.2	1.08	51
21.5	0.89	26.0	0.93	30.5	0.96	35.1	0.98	40.1	1.00	45.1	1.02	49.1	1.05	53.1	1.06	59.1	1.08	52
19.2	0.87	23.7	0.92	28.3	0.95	32.8	0.97	37.8	0.99	42.8	1.01	46.8	1.04	50.9	1.05	56.9	1.07	53
16.1	0.85	20.7	0.90	25.3	0.93	29.8	0.96	34.9	0.98	39.9	1.00	43.9	1.03	48.0	1.05	54.0	1.06	54
—	—	14.8	0.84	19.6	0.89	24.2	0.93	29.3	0.96	34.4	0.98	38.5	1.01	42.5	1.03	48.6	1.05	55
B52		**B59**		**B66**		**B73**		**B80**		**B87**		**B94**		**B103**		**B112**		
11.6	0.79	15.3	0.84	18.9	0.89	22.5	0.91	26.0	0.94	29.6	0.96	33.1	0.97	37.6	0.99	42.2	1.01	56
—	—	12.8	0.81	16.5	0.86	20.1	0.90	23.7	0.92	27.3	0.94	30.8	0.96	35.4	0.99	39.9	1.00	57
17.4	0.85	21.0	0.88	24.5	0.92	28.0	0.94	31.5	0.96	35.0	0.98	38.5	0.99	43.1	1.01	47.6	1.03	58
15.3	0.84	18.9	0.87	22.4	0.91	26.0	0.93	29.5	0.95	33.0	0.97	36.5	0.99	41.0	1.00	45.6	1.02	59
14.7	0.83	18.3	0.87	21.9	0.91	25.4	0.93	28.9	0.95	32.4	0.97	36.0	0.98	40.5	1.00	45.0	1.02	60
B76		**B88**		**B100**		**B112**		**B124**		**B136**		**B150**		**B162**		**B180**		
21.0	0.90	27.1	0.94	33.2	0.98	39.2	1.00	45.3	1.04	51.3	1.06	58.3	1.08	64.4	1.11	73.4	1.13	61
—	—	18.0	0.87	24.4	0.93	30.6	0.96	36.8	1.01	42.9	1.03	49.9	1.06	56.0	1.09	65.1	1.11	62
26.8	0.94	32.9	0.97	38.9	1.00	44.9	1.02	50.9	1.05	56.9	1.07	64.0	1.09	70.0	1.12	79.0	1.14	63
18.1	0.88	24.3	0.93	30.4	0.96	36.5	0.99	42.6	1.03	48.6	1.05	55.7	1.07	61.7	1.10	70.7	1.13	64
23.8	0.92	29.9	0.96	36.0	0.99	42.0	1.01	48.0	1.05	54.1	1.06	61.1	1.08	67.1	1.11	76.1	1.13	65
B76		**B88**		**B100**		**B112**		**B124**		**B136**		**B150**		**B162**		**B180**		
22.9	0.92	29.0	0.95	35.1	0.98	41.1	1.01	47.1	1.04	53.2	1.06	60.2	1.08	66.2	1.11	75.2	1.13	66
21.7	0.91	27.8	0.95	33.9	0.98	40.0	1.00	46.0	1.04	52.0	1.06	59.1	1.08	65.1	1.11	74.1	1.13	67
—	—	18.1	0.87	24.5	0.93	30.7	0.96	36.8	1.01	42.9	1.03	50.0	1.06	56.1	1.09	65.1	1.11	68
24.1	0.92	30.2	0.96	36.2	0.99	42.2	1.01	48.3	1.05	54.3	1.07	61.3	1.08	67.3	1.11	76.3	1.13	69
21.0	0.90	27.2	0.94	33.3	0.97	39.3	1.00	45.4	1.04	51.4	1.06	58.4	1.08	64.4	1.11	73.5	1.13	70
B94		**B112**		**B128**		**B144**		**B162**		**B180**		**B195**		**B210**		**B225**		
—	—	22.5	0.90	31.0	0.98	39.3	1.02	48.5	1.07	57.7	1.09	65.2	1.11	72.8	1.13	79.6	1.15	71
34.3	0.98	43.4	1.01	51.4	1.06	59.4	1.08	68.4	1.12	77.5	1.14	85.0	1.15	92.5	1.17	99.2	1.18	72
31.4	0.97	40.5	1.00	48.5	1.05	56.5	1.07	65.6	1.11	74.6	1.13	82.1	1.15	89.6	1.16	96.4	1.17	73
27.4	0.94	36.6	0.99	44.7	1.04	52.7	1.06	61.8	1.10	70.8	1.12	78.3	1.14	85.8	1.16	92.6	1.17	74
36.6	0.99	45.6	1.02	53.7	1.06	61.7	1.08	70.7	1.12	79.7	1.14	87.2	1.15	94.7	1.17	101.4	1.18	75

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Datum Diameter Driver	Datum Diameter Driven	Type Fix.	Type Var.	Nominal Driven Speeds and Horsepower per Belt — 3500 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	1750 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	Center Distance in Inches and "F" Factor for Browning Belts: Belt No.	C.D.	F	Belt No.	C.D.	F	Belt No.	C.D.	F
														B42			B55			B70		
1	2.60	1	1	4.0	10.9	X	—	1346	6.16	10.37	673	4.49	6.83	9.6	0.76		16.3	0.85		24.0	0.92	
2	2.60	1	2	4.2	11.4	X	—	1346	6.78	10.99	673	5.04	7.26	8.9	0.75		15.7	0.84		23.4	0.92	
3	2.60	1	10	9.4	25.0	X	X	—	—	—	673	17.29	20.00	—	—		—	—		—	—	
4	2.61	1	1	3.6	9.9	X	—	1340	4.86	9.07	670	3.63	5.96	10.8	0.78		17.5	0.86		25.1	0.93	
5	2.62	1	1	3.2	8.9	X	—	1335	3.47	7.68	667	2.75	5.07	12.1	0.80		18.7	0.86		26.2	0.93	
														B44			B59			B74		
6	2.62	1	6	3.4	9.4	X	—	1335	4.17	8.38	667	3.20	5.52	12.5	0.80		20.1	0.88		27.7	0.94	
7	2.62	1	6	4.0	11.0	X	—	1335	6.16	10.37	667	4.49	6.83	10.5	0.78		18.3	0.86		25.9	0.93	
8	2.62	1	6	5.0	13.6	X	—	1335	9.74	14.03	667	7.19	8.96	—	—		15.2	0.84		22.9	0.91	
9	2.62	1	2	5.9	16.0	X	X	1335	12.58	17.50	667	9.50	11.42	—	—		12.2	0.80		20.1	0.89	
10	2.62	1	2	10.4	27.8	X	—	—	—	—	667	19.12	22.14	—	—		—	—		—	—	
														B34			B44			B54		
11	2.63	1	2	3.0	8.4	X	X	1330	2.74	6.96	665	2.31	4.62	8.5	0.74		13.7	0.82		18.8	0.86	
12	2.63	1	2	4.9	13.4	X	X	1330	9.38	13.61	665	6.92	8.70	—	—		—	—		12.8	0.81	
13	2.63	1	10	6.8	18.4	X	—	—	—	—	665	11.69	13.78	—	—		—	—		—	—	
14	2.63	1	10	7.4	20.0	X	X	—	—	—	665	13.08	15.30	—	—		—	—		—	—	
15	2.65	1	2	3.2	9.0	X	—	1320	3.47	7.68	660	2.76	5.07	7.8	0.73		13.0	0.81		18.1	0.86	
														B38			B50			B62		
16	2.65	1	2	4.1	11.4	X	—	1320	6.47	10.68	660	4.76	7.04	—	—		13.2	0.81		19.4	0.89	
17	2.66	1	1	3.9	10.9	X	X	1315	5.85	10.05	657	4.28	6.62	—	—		13.8	0.82		20.0	0.89	
18	2.66	1	10	5.6	15.4	X	X	1315	11.71	16.41	657	8.74	10.61	—	—		—	—		14.6	0.84	
19	2.66	1	4	8.6	23.4	X	—	—	—	—	657	15.69	18.19	—	—		—	—		—	—	
20	2.67	1	2	4.9	13.6	X	X	1310	9.38	13.61	655	6.92	8.70	—	—		10.5	0.77		16.8	0.86	
														B46			B62			B78		
21	2.67	1	1	5.2	14.4	X	—	1310	10.43	14.85	655	7.71	9.51	—	—		15.8	0.85		24.1	0.92	
22	2.67	1	6	5.8	16.0	X	—	1310	12.30	17.14	655	9.24	11.15	—	—		13.9	0.83		22.2	0.91	
23	2.68	1	2	4.8	13.4	X	—	1305	9.02	13.19	652	6.66	8.50	—	—		17.1	0.87		25.2	0.93	
24	2.68	3	2	5.4	15.0	X	X	1305	11.08	15.64	652	8.23	10.06	—	—		15.1	0.85		23.4	0.92	
25	2.68	1	10	11.0	30.0	X	—	—	—	—	652	20.13	23.35	—	—		—	—		—	—	
														B46			B62			B78		
26	2.69	1	2	3.0	8.6	X	X	1301	2.74	6.96	650	2.31	4.62	14.5	0.82		22.6	0.91		30.7	0.95	
27	2.69	1	2	3.9	11.0	X	X	1301	5.85	10.05	650	4.28	6.62	11.7	0.79		19.9	0.89		28.0	0.94	
28	2.70	1	6	4.4	12.4	X	—	1296	7.49	11.58	648	5.58	7.68	9.9	0.76		18.3	0.88		26.4	0.93	
29	2.70	1	1	10.9	30.0	X	—	—	—	—	648	19.97	23.15	—	—		—	—		—	—	
30	2.71	1	10	6.6	18.4	X	X	1291	14.31	19.82	645	11.21	13.26	—	—		—	—		19.4	0.88	
														B42			B55			B70		
31	2.72	1	2	4.0	11.4	X	—	1286	6.16	10.37	643	4.50	6.83	9.1	0.75		15.9	0.84		23.5	0.92	
32	2.72	1	6	4.8	13.6	X	—	1286	9.02	13.19	643	6.66	8.50	—	—		13.2	0.81		21.0	0.90	
33	2.72	1	1	5.1	14.4	X	X	1286	10.09	14.44	643	7.45	9.24	—	—		12.2	0.80		20.1	0.89	
34	2.72	1	2	8.4	23.4	X	X	—	—	—	643	15.27	17.72	—	—		—	—		—	—	
35	2.72	1	10	9.0	25.0	X	—	—	—	—	643	16.50	19.11	—	—		—	—		—	—	
														B34			B44			B54		
36	2.73	1	1	3.8	10.9	X	—	1282	5.52	9.73	641	4.07	6.40	—	—		10.8	0.78		16.0	0.84	
37	2.74	1	2	3.6	10.4	X	—	1277	4.86	9.07	638	3.64	5.96	—	—		11.4	0.79		16.6	0.85	
38	2.74	1	1	7.1	20.0	X	X	—	—	—	638	12.39	14.54	—	—		—	—		—	—	
39	2.75	1	1	3.4	9.9	X	—	1272	4.18	8.38	636	3.20	5.52	—	—		12.0	0.80		17.2	0.85	
40	2.75	1	6	3.8	11.0	X	—	1272	5.53	9.73	636	4.07	6.40	—	—		10.7	0.78		15.9	0.84	
														B48			B65			B82		
41	2.75	1	10	5.4	15.4	X	X	1272	11.08	15.64	636	8.23	10.06	—	—		16.3	0.86		25.1	0.93	
42	2.75	1	1	8.9	25.0	X	—	—	—	—	636	16.30	18.88	—	—		—	—		—	—	
43	2.75	1	1	9.9	27.8	X	—	—	—	—	636	18.23	21.09	—	—		—	—		—	—	
44	2.75	1	10	13.6	38.0	X	—	—	—	—	636	23.63	27.88	—	—		—	—		—	—	
45	2.76	1	6	5.6	16.0	X	X	1268	11.71	16.41	634	8.74	10.61	—	—		15.6	0.85		24.4	0.92	
														B28			B35			B42		
46	2.77	1	2	3.2	9.4	X	—	1263	3.47	7.68	631	2.76	5.07	—	—		7.9	0.73		11.6	0.79	
47	2.77	1	1	5.0	14.4	X	—	1263	9.74	14.03	631	7.19	8.96	—	—		—	—		—	—	
48	2.78	1	1	3.0	8.9	X	X	1258	2.75	6.96	629	2.31	4.62	—	—		8.6	0.74		12.2	0.80	
49	2.78	1	2	3.9	11.4	X	X	1258	5.85	10.05	629	4.28	6.62	—	—		—	—		9.1	0.75	
50	2.78	3	2	5.2	15.0	X	—	1258	10.43	14.85	629	7.71	9.51	—	—		—	—		—	—	
														B48			B65			B82		
51	2.78	1	10	7.0	20.0	X	—	—	—	—	629	12.16	14.29	—	—		—	—		19.6	0.88	
52	2.79	1	2	4.6	13.4	X	—	1254	8.27	12.32	627	6.12	8.09	—	—		18.8	0.88		27.4	0.94	
53	2.79	1	10	6.4	18.4	X	X	1254	13.86	19.19	627	10.73	12.74	—	—		—	—		21.6	0.90	
54	2.79	1	2	13.4	38.0	X	—	—	—	—	627	23.42	27.57	—	—		—	—		—	—	
55	2.81	1	2	3.0	9.0	X	X	1245	2.75	6.96	622	2.31	4.62	15.2	0.83		23.8	0.91		32.3	0.96	
														B34			B44			B54		
56	2.81	1	1	6.9	20.0	X	X	—	—	—	622	11.92	14.03	—	—		—	—		—	—	
57	2.82	1	6	4.2	12.4	X	—	1241	6.78	10.99	620	5.04	7.26	—	—		—	—		14.3	0.82	
58	2.82	1	1	4.9	14.4	X	X	1241	9.38	13.61	620	6.92	8.70	—	—		—	—		11.8	0.79	
59	2.83	1	6	4.6	13.6	X	—	1236	8.27	12.32	618	6.12	8.09	—	—		—	—		12.8	0.80	
60	2.83	3	2	5.1	15.0	X	X	1236	10.09	14.44	618	7.45	9.24	—	—		—	—		—	—	
														B46			B62			B78		
61	2.83	1	2	10.4	30.0	X	—	—	—	—	618	19.12	22.14	—	—		—	—		—	—	
62	2.84	1	10	8.6	25.0	X	—	—	—	—	616	15.69	18.19	—	—		—	—		—	—	
63	2.85	1	2	3.8	11.4	X	—	1228	5.53	9.73	614	4.07	6.40	11.3	0.78		19.6	0.88		27.7	0.94	
64	2.85	1	6	5.2	15.4	X	—	1228	10.43	14.85	614	7.71	9.51	—	—		14.9	0.84		23.2	0.91	
65	2.85	1	6	5.4	16.0	X	X	1228	11.08	15.64	614	8.23	10.06	—	—		14.1	0.83		22.5	0.91	
														B38			B50			B62		
66	2.85	1	10	6.8	20.0	X	—	—	—	—	614	11.69	13.78	—	—		—	—		—	—	
67	2.85	1	4	8.0	23.4	X	—	—	—	—	614	14.41	16.77	—	—		—	—		—	—	
68	2.87	1	1	3.6	10.9	X	—	1219	4.87	9.07	609	3.64	5.96	—	—		14.0	0.82		20.2	0.89	
69	2.87	1	10	6.2	18.4	X	—	1219	13.38	18.54	609	10.24	12.22	—	—		—	—		—	—	
70	2.88	1	2	4.1	12.4	X	—	1215	6.48	10.68	607	4.76	7.04	—	—		12.2	0.79		18.5	0.88	
														B38			B50			B62		
71	2.88	1	1	4.8	14.4	X	—	1215	9.02	13.19	607	6.66	8.50	—	—		—	—		16.1	0.85	
72	2.88	3	2	5.0	15.0	X	—	1215	9.74	14.03	607	7.19	8.96	—	—		—	—		15.4	0.84	
73	2.89	1	2	3.4	10.4	X	—	1211	4.18	8.38	605	3.20	5.52	8.3	0.73		14.5	0.82		20.8	0.89	
74	2.89	1	6	3.6	11.0	X	—	1211	4.87	9.07	605	3.64	5.96	—	—		13.9	0.82		20.1	0.89	
75	2.89	1	1	7.9	23.4	X	—	—	—	—	605	14.19	16.52	—	—		—	—		—	—	

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts

Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
B85		**B100**		**B116**		**B128**		**B144**		**B154**		**B162**		**B173**		**B195**		
31.5	0.96	39.1	1.00	47.1	1.04	53.1	1.06	61.1	1.08	66.1	1.11	70.1	1.12	75.6	1.13	86.6	1.15	1
30.9	0.96	38.5	0.99	46.5	1.04	52.5	1.06	60.5	1.08	65.6	1.11	69.6	1.12	75.1	1.13	86.1	1.15	2
—	—	22.6	0.91	30.9	0.98	37.1	1.01	45.2	1.04	50.3	1.07	54.3	1.08	59.9	1.10	71.0	1.13	3
32.7	0.97	40.2	1.00	48.2	1.04	54.2	1.06	62.2	1.08	67.2	1.11	71.2	1.12	76.7	1.13	87.7	1.16	4
33.8	0.97	41.3	1.00	49.3	1.05	55.3	1.06	63.3	1.09	68.3	1.11	72.3	1.12	77.8	1.14	88.9	1.16	5
B89		**B105**		**B120**		**B136**		**B150**		**B162**		**B180**		**B195**		**B210**		
35.2	0.98	43.2	1.01	50.8	1.05	58.8	1.07	65.8	1.09	71.8	1.12	80.8	1.14	88.3	1.16	95.8	1.17	6
33.4	0.97	41.5	1.01	49.0	1.05	57.0	1.07	64.0	1.09	70.0	1.12	79.0	1.14	86.6	1.15	94.1	1.17	7
30.5	0.96	38.6	1.00	46.1	1.04	54.1	1.06	61.1	1.08	67.2	1.11	76.2	1.13	83.7	1.15	91.2	1.16	8
27.7	0.95	35.9	0.99	43.4	1.03	51.5	1.06	58.5	1.08	64.5	1.11	73.5	1.13	81.1	1.15	88.6	1.16	9
—	—	21.7	0.90	29.6	0.97	37.9	1.01	45.1	1.04	51.2	1.07	60.3	1.10	67.9	1.12	75.4	1.14	10
B64		**B74**		**B84**		**B94**		**B103**		**B112**		**B124**		**B136**		**B144**		
23.8	0.92	28.8	0.94	33.8	0.97	38.9	0.99	43.4	1.01	47.9	1.03	53.9	1.06	59.9	1.08	63.9	1.09	11
18.0	0.88	23.1	0.92	28.2	0.95	33.3	0.97	37.8	0.99	42.3	1.01	48.3	1.05	54.4	1.06	58.4	1.08	12
—	—	17.1	0.87	22.4	0.91	27.5	0.94	32.1	0.97	36.7	0.99	42.7	1.03	48.8	1.05	52.8	1.06	13
—	—	15.1	0.84	20.4	0.89	25.6	0.93	30.2	0.96	34.8	0.98	40.9	1.02	47.0	1.04	51.0	1.06	14
23.1	0.91	28.2	0.94	33.2	0.97	38.2	0.99	42.7	1.01	47.2	1.02	53.2	1.06	59.3	1.08	63.3	1.09	15
B74		**B86**		**B98**		**B108**		**B120**		**B133**		**B144**		**B158**		**B173**		
25.5	0.93	31.5	0.96	37.6	0.99	42.6	1.01	48.6	1.05	55.1	1.07	60.6	1.08	67.6	1.11	75.1	1.13	16
26.0	0.93	32.1	0.96	38.1	0.99	43.1	1.01	49.2	1.05	55.7	1.07	61.2	1.08	68.2	1.11	75.7	1.13	17
20.8	0.90	27.0	0.94	33.1	0.97	38.1	0.99	44.1	1.03	50.7	1.05	56.2	1.07	63.2	1.10	70.7	1.12	18
—	—	17.2	0.86	23.6	0.92	28.8	0.95	35.0	1.00	41.6	1.03	47.2	1.05	54.3	1.08	61.8	1.10	19
23.0	0.91	29.1	0.95	35.1	0.98	40.1	1.00	46.2	1.04	52.7	1.06	58.2	1.08	65.2	1.11	72.7	1.13	20
B94		**B112**		**B128**		**B144**		**B162**		**B180**		**B195**		**B210**		**B225**		
32.2	0.97	41.3	1.01	49.3	1.05	57.3	1.07	66.4	1.11	75.4	1.13	82.9	1.15	90.4	1.16	97.2	1.17	21
30.4	0.96	39.5	1.00	47.5	1.04	55.6	1.07	64.6	1.11	73.6	1.13	81.1	1.15	88.6	1.16	95.4	1.17	22
33.3	0.97	42.4	1.01	50.4	1.05	58.5	1.08	67.5	1.11	76.5	1.13	84.0	1.15	91.5	1.16	98.3	1.18	23
31.5	0.96	40.6	1.00	48.6	1.05	56.7	1.07	65.7	1.11	74.7	1.13	82.2	1.15	89.8	1.16	96.5	1.17	24
—	—	22.7	0.90	31.3	0.97	39.6	1.02	48.8	1.06	57.9	1.09	65.5	1.11	73.1	1.13	79.9	1.15	25
B94		**B112**		**B128**		**B144**		**B162**		**B180**		**B195**		**B210**		**B225**		
38.7	0.99	47.7	1.02	55.7	1.06	63.7	1.09	72.7	1.12	81.7	1.14	89.3	1.16	96.8	1.17	103.5	1.18	26
36.0	0.98	45.1	1.02	53.1	1.06	61.1	1.08	70.1	1.12	79.1	1.14	86.6	1.15	94.1	1.17	100.9	1.18	27
34.5	0.98	43.5	1.01	51.6	1.06	59.6	1.08	68.6	1.12	77.6	1.14	85.1	1.15	92.6	1.17	99.4	1.18	28
—	—	22.8	0.90	31.3	0.97	39.6	1.01	48.9	1.06	58.0	1.09	65.6	1.11	73.2	1.13	80.0	1.15	29
27.6	0.94	36.8	0.99	44.9	1.04	52.9	1.06	62.0	1.10	71.0	1.12	78.6	1.14	86.1	1.16	92.8	1.17	30
B85		**B100**		**B116**		**B128**		**B144**		**B154**		**B162**		**B173**		**B195**		
31.1	0.96	38.9	0.99	46.7	1.04	52.7	1.06	60.7	1.08	65.7	1.11	69.7	1.12	75.2	1.13	86.2	1.15	31
28.6	0.95	36.2	0.98	44.2	1.03	50.3	1.05	58.3	1.08	63.3	1.10	67.3	1.11	72.8	1.13	83.8	1.15	32
27.7	0.94	35.3	0.98	43.3	1.03	49.4	1.05	57.4	1.07	62.4	1.10	66.4	1.11	71.9	1.12	83.0	1.15	33
—	—	24.8	0.92	33.1	0.99	39.2	1.01	47.3	1.04	52.4	1.08	56.4	1.09	62.0	1.10	73.1	1.13	34
—	—	22.8	0.91	31.2	0.98	37.4	1.01	45.5	1.04	50.6	1.07	54.6	1.08	60.2	1.10	71.3	1.13	35
B64		**B74**		**B84**		**B94**		**B103**		**B112**		**B124**		**B136**		**B144**		
21.1	0.90	26.1	0.93	31.2	0.96	36.2	0.98	40.7	1.00	45.2	1.02	51.2	1.05	57.3	1.07	61.3	1.08	36
21.6	0.90	26.7	0.93	31.7	0.96	36.8	0.98	41.3	1.00	45.8	1.02	51.8	1.05	57.8	1.07	61.8	1.08	37
—	—	15.3	0.84	20.6	0.89	25.8	0.93	30.4	0.96	35.0	0.98	41.1	1.02	47.2	1.04	51.2	1.06	38
22.2	0.90	27.3	0.94	32.3	0.96	37.3	0.99	41.8	1.00	46.3	1.02	52.4	1.06	58.4	1.07	62.4	1.08	39
21.0	0.90	26.0	0.93	31.1	0.96	36.1	0.98	40.6	1.00	45.1	1.02	51.2	1.05	57.2	1.07	61.2	1.08	40
B100		**B116**		**B133**		**B150**		**B173**		**B195**		**B210**		**B225**		**B240**		
34.2	0.98	42.3	1.02	50.8	1.05	59.4	1.08	70.9	1.12	81.9	1.15	89.4	1.16	96.2	1.17	103.7	1.21	41
22.9	0.91	31.3	0.98	40.0	1.02	48.6	1.05	60.3	1.10	71.3	1.13	78.9	1.14	85.7	1.16	93.2	1.19	42
—	—	27.9	0.95	36.7	1.00	45.4	1.04	57.1	1.09	68.2	1.12	75.8	1.14	82.6	1.15	90.1	1.19	43
—	—	—	—	—	—	33.2	0.97	45.3	1.05	56.6	1.09	64.2	1.11	71.1	1.13	78.7	1.17	44
33.5	0.97	41.6	1.02	50.2	1.05	58.7	1.08	70.3	1.12	81.3	1.14	88.8	1.16	95.6	1.17	103.1	1.21	45
B49		**B56**		**B63**		**B70**		**B77**		**B84**		**B91**		**B98**		**B105**		
15.2	0.83	18.8	0.86	22.3	0.90	25.8	0.93	29.3	0.95	32.9	0.97	36.4	0.98	39.9	1.00	43.4	1.01	46
—	—	12.8	0.80	16.5	0.86	20.1	0.89	23.7	0.92	27.3	0.94	30.8	0.96	34.3	0.98	37.9	0.99	47
15.8	0.84	19.3	0.87	22.9	0.91	26.4	0.93	29.9	0.95	33.4	0.97	36.9	0.98	40.5	1.00	44.0	1.01	48
12.8	0.80	16.5	0.84	20.0	0.89	23.6	0.91	27.1	0.94	30.7	0.96	34.2	0.97	37.7	0.99	41.2	1.00	49
—	—	12.1	0.79	15.8	0.85	19.4	0.89	23.0	0.91	26.6	0.94	30.1	0.96	33.7	0.97	37.2	0.99	50
B100		**B116**		**B133**		**B150**		**B173**		**B195**		**B210**		**B225**		**B240**		
29.0	0.95	37.1	1.00	45.7	1.04	54.3	1.07	65.9	1.11	76.9	1.14	84.5	1.15	91.2	1.16	98.7	1.20	51
36.5	0.98	44.6	1.03	53.1	1.06	61.6	1.08	73.1	1.13	84.2	1.15	91.7	1.16	98.4	1.18	105.9	1.21	52
30.8	0.96	39.0	1.01	47.6	1.04	56.1	1.07	67.7	1.12	78.7	1.14	86.2	1.15	93.9	1.17	100.5	1.20	53
—	—	—	—	—	—	33.3	0.97	45.4	1.05	56.7	1.09	64.4	1.11	71.2	1.12	78.8	1.17	54
41.4	1.00	49.4	1.04	57.9	1.07	66.4	1.09	77.9	1.13	88.9	1.16	96.4	1.17	102.7	1.18	110.7	1.22	55
B64		**B74**		**B84**		**B94**		**B103**		**B112**		**B124**		**B136**		**B144**		
—	—	15.4	0.84	20.8	0.89	26.0	0.93	30.6	0.96	35.2	0.98	41.3	1.02	47.3	1.04	51.4	1.06	56
19.4	0.88	24.5	0.92	29.6	0.95	34.6	0.98	39.2	1.00	43.7	1.01	49.7	1.05	55.7	1.07	59.7	1.08	57
17.1	0.86	22.2	0.91	27.3	0.94	32.4	0.97	36.9	0.99	41.5	1.01	47.5	1.04	53.5	1.06	57.6	1.07	58
18.1	0.87	23.2	0.91	28.3	0.94	33.3	0.97	37.8	0.99	42.4	1.01	48.4	1.04	54.4	1.06	58.4	1.07	59
16.4	0.86	21.6	0.90	26.7	0.94	31.7	0.96	36.3	0.98	40.8	1.00	46.9	1.04	52.9	1.06	56.9	1.07	60
B94		**B112**		**B128**		**B144**		**B162**		**B180**		**B195**		**B210**		**B225**		
—	—	23.1	0.90	31.7	0.97	40.0	1.01	49.2	1.06	58.4	1.09	66.0	1.11	73.5	1.13	80.3	1.14	61
19.8	0.88	29.4	0.95	37.6	1.00	45.8	1.04	54.9	1.08	64.0	1.11	71.6	1.13	79.1	1.14	85.9	1.16	62
35.8	0.98	44.8	1.02	52.8	1.06	60.8	1.08	69.9	1.12	78.9	1.14	86.4	1.15	93.9	1.17	100.6	1.18	63
31.3	0.96	40.4	1.00	48.5	1.05	56.5	1.07	65.5	1.11	74.6	1.13	82.1	1.15	89.6	1.16	96.3	1.17	64
30.6	0.96	39.7	1.00	47.8	1.04	55.8	1.07	64.9	1.11	73.9	1.13	81.4	1.14	88.9	1.16	95.7	1.17	65
B74		**B86**		**B98**		**B108**		**B120**		**B133**		**B144**		**B158**		**B173**		
15.5	0.84	21.9	0.90	28.1	0.94	33.2	0.97	39.3	1.01	45.9	1.04	51.4	1.06	58.5	1.09	66.0	1.11	66
—	—	17.6	0.86	24.0	0.91	29.2	0.95	35.4	0.99	42.0	1.02	47.6	1.04	54.7	1.08	62.3	1.10	67
26.3	0.93	32.3	0.96	38.3	0.99	43.4	1.01	49.4	1.05	55.9	1.07	61.4	1.08	68.4	1.11	75.9	1.13	68
17.5	0.86	23.8	0.92	30.0	0.95	35.1	0.98	41.1	1.02	47.7	1.04	53.2	1.06	60.3	1.10	67.8	1.11	69
24.6	0.92	30.7	0.96	36.7	0.98	41.7	1.00	47.8	1.04	54.3	1.06	59.8	1.08	66.8	1.11	74.3	1.13	70
B74		**B86**		**B98**		**B108**		**B120**		**B133**		**B144**		**B158**		**B173**		
22.3	0.91	28.4	0.94	34.5	0.98	39.5	1.00	45.6	1.03	52.1	1.06	57.6	1.07	64.6	1.11	72.2	1.12	71
21.6	0.90	27.7	0.94	33.8	0.97	38.9	0.99	44.9	1.03	51.5	1.05	57.0	1.07	64.0	1.10	71.5	1.12	72
26.8	0.93	32.9	0.97	38.9	0.99	43.9	1.01	49.9	1.05	56.5	1.07	62.0	1.08	69.0	1.11	76.5	1.13	73
26.2	0.93	32.2	0.96	38.3	0.99	43.3	1.01	49.3	1.05	55.8	1.07	61.3	1.08	68.3	1.11	75.8	1.13	74
—	—	17.6	0.86	24.1	0.91	29.3	0.95	35.5	0.99	42.1	1.02	47.7	1.04	54.8	1.08	62.3	1.10	75

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Datum Diameter Driver	Datum Diameter Driven	Type Fix.	Type Var.	Nominal Driven Speeds and Horsepower per Belt — 3500 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	1750 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	Center Distance in Inches and "F" Factor for Browning Belts: Belt No.	C.D.	F	Belt No.	C.D.	F	Belt No.	C.D.	F
														B44			B59			B74		
1	2.89	1	4	9.4	27.8	X	X	—	—	—	605	17.29	20.00	—	—		—	—		—	—	
2	2.90	1	2	5.1	15.4	X	X	1206	10.09	14.44	603	7.45	9.24	—	—		13.3	0.80		21.2	0.90	
3	2.90	1	2	8.4	25.0	X	X	—	—	—	603	15.27	17.72	—	—		—	—		—	—	
4	2.91	1	1	3.2	9.9	X	—	1202	3.48	7.68	601	2.76	5.07	12.2	0.79		19.8	0.87		27.4	0.94	
5	2.91	1	2	4.4	13.4	X	—	1202	7.49	11.58	601	5.58	7.68	—	—		15.8	0.84		23.5	0.91	
														B34			B44			B54		
6	2.92	1	2	6.1	18.4	X	X	1198	13.12	18.20	599	9.99	11.95	—	—		—	—		—	—	
7	2.93	1	2	3.0	9.4	X	X	1194	2.75	6.96	597	2.31	4.62	7.5	0.71		12.8	0.80		17.9	0.85	
8	2.94	3	2	4.9	15.0	X	X	1190	9.38	13.61	595	6.92	8.70	—	—		—	—		11.1	0.78	
9	2.94	1	10	6.6	20.0	X	X	1190	14.31	19.82	595	11.21	13.26	—	—		—	—		—	—	
10	2.95	1	6	4.0	12.4	X	—	1186	6.17	10.37	593	4.50	6.83	—	—		—	—		14.4	0.82	
														B46			B62			B78		
11	2.95	1	6	4.4	13.6	X	—	1186	7.49	11.58	593	5.58	7.68	—	—		17.2	0.86		25.4	0.92	
12	2.96	1	6	5.0	15.4	X	—	1182	9.74	14.03	591	7.19	8.96	—	—		15.0	0.84		23.3	0.91	
13	2.96	1	6	5.2	16.0	X	—	1182	10.73	14.85	591	7.71	9.51	—	—		14.2	0.83		22.6	0.91	
14	2.96	1	10	6.0	18.4	X	X	1182	12.86	17.86	591	9.75	11.68	—	—		—	—		19.8	0.88	
15	2.97	1	1	9.9	30.0	X	—	—	—	—	589	18.23	21.09	—	—		—	—		—	—	
														B28			B36			B44		
16	3.00	1	2	3.6	11.4	X	—	1166	4.87	9.07	583	3.64	5.96	—	—		—	—		10.4	0.76	
17	3.00	1	1	4.6	14.4	X	—	1166	8.27	12.38	583	6.12	8.20	—	—		—	—		—	—	
18	3.00	3	2	4.8	15.0	X	—	1166	9.02	13.19	583	6.66	8.50	—	—		—	—		—	—	
19	3.01	1	2	4.9	15.4	X	X	1162	9.38	13.61	581	6.92	8.81	—	—		—	—		—	—	
20	3.01	1	2	5.1	16.0	X	X	1162	10.09	14.44	581	7.45	9.24	—	—		—	—		—	—	
														B48			B65			B82		
21	3.01	1	2	5.9	18.4	X	X	1162	12.58	17.50	581	9.50	11.42	—	—		—	—		21.9	0.90	
22	3.01	1	10	12.4	38.0	X	—	—	—	—	581	22.20	25.94	—	—		—	—		—	—	
23	3.02	1	1	3.4	10.9	X	—	1158	4.18	8.61	579	3.20	5.63	13.1	0.80		21.9	0.90		30.4	0.95	
24	3.02	1	2	3.9	12.4	X	X	1158	5.85	10.28	579	4.29	6.73	11.3	0.78		20.2	0.89		28.8	0.94	
25	3.02	1	10	6.4	20.0	X	X	1158	13.86	19.19	579	10.73	12.74	21.2	0.79		—	—		20.0	0.88	
														B42			B55			B70		
26	3.02	1	4	9.0	27.8	X	—	—	—	—	579	16.50	19.11	—	—		—	—		—	—	
27	3.04	1	2	4.2	13.4	X	—	1151	6.79	11.21	575	5.04	7.37	—	—		13.8	0.81		21.6	0.90	
28	3.04	1	10	8.0	25.0	X	—	—	—	—	575	14.41	16.77	—	—		—	—		—	—	
29	3.05	1	2	3.2	10.4	X	—	1147	3.48	7.91	573	2.76	5.18	10.6	0.77		17.4	0.85		25.0	0.92	
30	3.05	1	6	3.4	11.0	X	—	1147	4.18	8.61	573	3.20	5.63	9.9	0.76		16.7	0.84		24.3	0.92	
														B42			B55			B70		
31	3.05	1	1	8.9	27.8	X	—	—	—	—	573	16.30	18.88	—	—		—	—		—	—	
32	3.06	1	10	5.8	18.4	X	—	1143	12.30	17.14	571	9.24	11.15	—	—		—	—		15.6	0.84	
33	3.07	1	6	4.8	15.4	X	—	1140	9.02	13.19	570	6.66	8.61	—	—		11.3	0.77		19.3	0.88	
34	3.07	1	6	5.0	16.0	X	—	1140	9.74	14.03	570	7.19	9.01	—	—		—	—		18.6	0.87	
35	3.07	1	4	7.4	23.4	X	X	—	—	—	570	13.08	15.30	—	—		—	—		—	—	
														B42			B55			B70		
36	3.08	1	6	4.2	13.6	X	—	1136	6.79	11.21	568	5.04	7.37	—	—		13.6	0.81		21.4	0.90	
37	3.08	1	1	7.9	25.0	X	—	—	—	—	568	14.19	16.52	—	—		—	—		—	—	
38	3.09	1	1	3.0	9.9	X	X	1132	2.75	7.18	566	2.31	4.73	11.2	0.78		17.9	0.85		25.5	0.92	
39	3.09	1	6	3.8	12.4	X	—	1132	5.53	9.95	566	4.07	6.51	—	—		15.1	0.82		22.8	0.91	
40	3.11	1	2	4.1	13.4	X	—	1125	6.48	10.90	562	4.76	7.16	—	—		13.9	0.81		21.7	0.90	
														B46			B62			B78		
41	3.12	1	1	4.4	14.4	X	—	1121	7.49	11.81	560	5.58	7.79	—	—		16.4	0.85		24.6	0.92	
42	3.12	3	2	4.6	15.0	X	—	1121	8.27	12.38	560	6.12	8.20	—	—		15.7	0.84		23.9	0.91	
43	3.12	1	10	6.2	20.0	X	—	1121	13.38	18.54	560	10.24	12.22	—	—		—	—		18.0	0.86	
44	3.12	1	10	9.4	30.0	X	X	—	—	—	560	17.29	20.00	—	—		—	—		—	—	
45	3.13	1	2	4.9	16.0	X	X	1118	9.38	13.61	559	6.92	8.81	—	—		14.4	0.83		22.8	0.90	
														B42			B55			B70		
46	3.15	1	2	4.1	13.6	X	—	1111	6.48	10.90	555	4.76	7.16	—	—		13.7	0.81		21.5	0.90	
47	3.15	1	4	8.6	27.8	X	—	—	—	—	555	15.69	18.19	—	—		—	—		—	—	
48	3.16	1	2	3.4	11.4	X	—	1107	4.18	8.61	553	3.20	5.63	9.4	0.74		16.3	0.84		23.9	0.91	
49	3.16	1	10	5.6	18.4	X	X	1107	11.71	16.41	553	8.74	10.61	—	—		—	—		15.8	0.84	
50	3.17	1	2	6.1	20.0	X	X	1104	13.12	18.20	552	9.99	11.95	—	—		—	—		—	—	
														B38			B50			B62		
51	3.18	1	2	4.0	13.4	X	—	1100	6.17	10.59	550	4.50	6.94	—	—		11.3	0.77		17.6	0.86	
52	3.19	1	6	4.8	16.0	X	—	1097	9.02	13.19	548	6.66	8.61	—	—		—	—		14.5	0.82	
53	3.20	1	1	3.2	10.9	X	—	1093	3.48	7.91	546	2.76	5.18	—	—		14.3	0.81		20.5	0.89	
54	3.20	1	6	4.6	15.4	X	—	1093	8.27	12.38	546	6.12	8.20	—	—		—	—		15.2	0.83	
55	3.20	1	1	7.1	23.4	X	X	—	—	—	546	12.39	14.54	—	—		—	—		—	—	
														B42			B55			B70		
56	3.22	1	2	3.2	11.0	X	—	1086	3.48	7.91	543	2.76	5.18	10.0	0.75		16.8	0.84		24.4	0.91	
57	3.22	1	10	6.0	20.0	X	X	1086	12.86	17.86	543	9.75	11.68	—	—		—	—		—	—	
58	3.22	1	2	8.4	27.8	X	X	—	—	—	543	15.27	17.72	—	—		—	—		—	—	
59	3.23	1	6	4.0	13.6	X	—	1083	6.17	10.59	541	4.50	6.94	—	—		13.7	0.81		21.5	0.89	
60	3.24	1	2	3.0	10.4	X	X	1080	2.75	7.18	540	2.31	4.73	10.7	0.77		17.5	0.85		25.1	0.92	
														B46			B62			B78		
61	3.24	1	4	7.0	23.4	X	—	—	—	—	540	12.16	14.29	—	—		—	—		—	—	
62	3.25	1	6	3.6	12.4	X	—	1076	4.87	9.29	538	3.64	6.07	10.4	0.76		18.8	0.87		27.0	0.93	
63	3.25	3	2	4.4	15.0	X	—	1076	7.49	11.81	538	5.58	7.79	—	—		15.8	0.84		24.1	0.91	
64	3.25	1	10	9.0	30.0	X	—	—	—	—	538	16.50	19.11	—	—		—	—		—	—	
65	3.26	1	2	3.9	13.4	X	X	1073	5.85	10.28	536	4.29	6.73	—	—		17.7	0.86		25.9	0.92	
														B48			B65			B82		
66	3.26	1	1	4.2	14.4	X	—	1073	6.79	11.21	536	5.04	7.37	—	—		18.1	0.86		26.8	0.93	
67	3.27	1	2	5.9	20.0	X	X	1070	12.58	17.50	535	9.50	11.42	—	—		—	—		20.4	0.88	
68	3.27	1	2	11.4	38.0	X	—	—	—	—	535	20.77	24.12	—	—		—	—		—	—	
69	3.28	1	10	5.4	18.4	X	X	1067	11.08	15.64	533	8.23	10.06	—	—		13.1	0.80		22.3	0.90	
70	3.28	1	10	7.4	25.0	X	X	—	—	—	533	13.08	15.30	—	—		—	—		—	—	
														B46			B62			B78		
71	3.29	1	1	6.9	23.4	X	X	—	—	—	531	11.92	14.03	—	—		—	—		—	—	
72	3.29	1	1	8.9	30.0	X	—	—	—	—	531	16.30	18.88	—	—		—	—		—	—	
73	3.30	1	2	3.9	13.6	X	X	1060	5.85	10.28	530	4.29	6.73	—	—		17.5	0.86		25.7	0.92	
74	3.32	1	6	4.6	16.0	X	—	1054	8.27	12.38	527	6.12	8.20	—	—		14.6	0.82		23.0	0.90	
75	3.32	1	10	5.8	20.0	—	—	1054	12.30	17.14	527	9.24	11.15	—	—		—	—		18.3	0.86	

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts

Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
B89		**B105**		**B120**		**B136**		**B150**		**B162**		**B180**		**B195**		**B210**		
—	—	22.3	0.89	30.3	0.96	38.6	1.01	45.8	1.04	51.9	1.07	61.0	1.10	68.6	1.12	76.1	1.13	1
28.8	0.95	36.9	0.99	44.5	1.03	52.6	1.06	59.6	1.08	65.6	1.11	74.6	1.13	82.1	1.15	89.7	1.16	2
—	—	25.9	0.92	33.7	0.98	41.9	1.02	49.0	1.05	55.1	1.08	64.1	1.11	71.7	1.12	79.2	1.14	3
35.0	0.97	43.0	1.01	50.5	1.05	58.5	1.07	65.5	1.09	55.1	1.12	80.5	1.14	88.1	1.15	95.8	1.17	4
31.1	0.96	39.2	0.99	46.7	1.04	54.7	1.06	61.8	1.08	67.8	1.11	76.8	1.13	84.3	1.15	91.8	1.16	5
B64		**B74**		**B84**		**B94**		**B103**		**B112**		**B124**		**B136**		**B144**		
—	—	17.6	0.86	22.8	0.91	28.0	0.94	32.6	0.97	37.2	0.99	43.2	1.03	49.3	1.05	53.3	1.06	6
22.9	0.91	28.0	0.94	33.0	0.96	38.0	0.99	42.5	1.01	47.1	1.02	53.1	1.06	59.1	1.07	63.1	1.08	7
16.5	0.85	21.7	0.90	26.8	0.93	31.9	0.96	36.4	0.98	41.0	1.00	47.0	1.04	53.0	1.06	57.1	1.07	8
—	—	15.6	0.84	21.0	0.89	26.2	0.93	30.8	0.96	35.4	0.98	41.5	1.02	47.5	1.04	51.6	1.06	9
19.6	0.88	24.7	0.92	29.7	0.95	34.8	0.97	39.3	0.99	43.8	1.01	49.8	1.05	55.9	1.07	59.9	1.08	10
B94		**B112**		**B128**		**B144**		**B162**		**B180**		**B195**		**B210**		**B225**		
33.5	0.97	42.5	1.01	50.6	1.05	58.6	1.07	67.6	1.11	76.6	1.13	84.1	1.15	91.7	1.16	98.4	1.17	11
31.5	0.96	40.6	1.00	48.6	1.04	56.6	1.07	65.7	1.11	74.7	1.13	82.2	1.15	89.7	1.16	96.5	1.17	12
30.8	0.96	39.9	1.00	48.0	1.04	56.0	1.07	65.0	1.11	74.1	1.13	81.6	1.14	89.1	1.16	95.9	1.17	13
28.1	0.94	37.2	0.99	45.3	1.03	53.4	1.06	62.4	1.10	71.5	1.12	79.0	1.14	86.5	1.15	93.3	1.17	14
—	—	23.4	0.90	32.0	0.97	40.3	1.01	49.6	1.06	58.7	1.09	66.3	1.11	73.9	1.13	80.7	1.14	15
B52		**B59**		**B66**		**B73**		**B80**		**B87**		**B94**		**B103**		**B112**		
14.6	0.82	18.2	0.86	21.8	0.90	25.3	0.92	28.9	0.94	32.4	0.96	35.9	0.98	40.4	1.00	45.0	1.02	16
10.9	0.77	14.7	0.82	18.3	0.87	21.9	0.90	25.5	0.93	29.1	0.95	32.6	0.96	37.2	0.99	41.7	1.00	17
—	—	13.9	0.81	17.6	0.86	21.2	0.90	24.8	0.92	28.4	0.94	32.0	0.96	36.5	0.98	41.0	1.00	18
—	—	13.4	0.80	17.2	0.86	20.8	0.89	24.4	0.92	28.0	0.94	31.5	0.96	36.1	0.98	40.6	1.00	19
—	—	12.7	0.79	16.4	0.85	20.1	0.89	23.7	0.91	27.3	0.94	30.9	0.96	35.4	0.98	40.0	1.00	20
B100		**B116**		**B133**		**B150**		**B173**		**B195**		**B210**		**B225**		**B240**		
31.2	0.96	39.3	1.01	47.9	1.04	56.5	1.07	68.0	1.11	79.1	1.14	86.6	1.15	93.4	1.17	100.9	1.20	21
—	—	—	—	—	—	33.9	0.97	46.1	1.04	57.4	1.08	65.1	1.11	71.9	1.12	79.6	1.16	22
39.5	0.99	47.5	1.04	56.0	1.07	64.6	1.09	76.1	1.13	87.1	1.15	94.6	1.17	101.4	1.18	108.9	1.22	23
37.9	0.99	45.9	1.03	54.4	1.06	63.0	1.08	74.5	1.13	85.5	1.15	93.0	1.16	99.8	1.18	107.3	1.21	24
29.4	0.95	37.6	1.00	46.2	1.04	54.8	1.06	66.3	1.11	77.4	1.14	84.9	1.15	91.7	1.16	99.2	1.20	25
B85		**B100**		**B116**		**B128**		**B144**		**B154**		**B162**		**B173**		**B195**		
—	—	19.8	0.87	28.5	0.95	34.7	0.99	43.0	1.02	48.1	1.06	52.2	1.07	57.7	1.09	68.9	1.12	26
29.2	0.95	36.8	0.98	44.8	1.03	50.9	1.05	58.9	1.07	63.9	1.10	67.9	1.11	73.4	1.13	84.5	1.15	27
—	—	23.5	0.90	31.9	0.97	38.0	1.00	46.2	1.04	51.3	1.07	55.3	1.08	60.9	1.10	72.0	1.12	28
32.5	0.96	40.1	1.00	48.1	1.04	54.1	1.06	62.1	1.08	67.1	1.11	71.1	1.12	76.6	1.13	87.7	1.15	29
31.9	0.96	39.4	0.99	47.4	1.04	53.5	1.06	61.5	1.08	66.5	1.11	70.5	1.12	76.0	1.13	87.0	1.15	30
B85		**B100**		**B116**		**B128**		**B144**		**B154**		**B162**		**B173**		**B195**		
—	—	19.9	0.87	28.5	0.95	34.8	0.99	43.1	1.02	48.2	1.06	52.2	1.07	57.8	1.09	68.9	1.12	31
23.6	0.91	31.3	0.96	39.4	1.01	45.5	1.03	53.5	1.06	58.6	1.09	62.6	1.10	68.1	1.11	79.2	1.14	32
27.0	0.93	34.6	0.97	42.7	1.02	48.8	1.04	56.8	1.07	61.8	1.10	65.8	1.11	71.3	1.12	82.4	1.14	33
26.3	0.93	34.0	0.97	42.1	1.02	48.1	1.04	56.1	1.07	61.2	1.10	65.2	1.11	70.7	1.12	81.7	1.14	34
17.4	0.85	25.5	0.92	33.8	0.98	39.9	1.01	48.1	1.04	53.1	1.07	57.2	1.09	62.7	1.10	73.8	1.13	35
B85		**B100**		**B116**		**B128**		**B144**		**B154**		**B162**		**B173**		**B195**		
29.0	0.94	36.6	0.98	44.7	1.03	50.7	1.05	58.7	1.07	63.8	1.10	67.8	1.11	73.3	1.12	84.3	1.15	36
—	—	23.5	0.90	31.9	0.97	38.1	1.00	46.3	1.04	51.4	1.07	55.4	1.08	61.0	1.10	72.1	1.12	37
33.1	0.96	40.6	1.00	48.7	1.04	54.7	1.06	62.7	1.08	67.7	1.11	71.7	1.12	77.2	1.13	88.2	1.15	38
30.4	0.95	37.9	0.99	46.0	1.03	52.0	1.05	60.0	1.08	65.0	1.10	69.0	1.11	74.6	1.13	85.6	1.15	39
29.3	0.95	36.9	0.98	44.9	1.03	51.0	1.05	59.0	1.07	64.0	1.10	68.0	1.11	73.5	1.13	84.5	1.15	40
B94		**B112**		**B128**		**B144**		**B162**		**B180**		**B195**		**B210**		**B225**		
32.8	0.96	41.8	1.00	49.9	1.05	57.9	1.07	67.0	1.11	76.0	1.13	83.5	1.15	91.0	1.16	97.8	1.17	41
32.1	0.96	41.2	1.00	49.2	1.04	57.3	1.07	66.3	1.11	75.3	1.13	82.9	1.15	90.4	1.16	97.1	1.17	42
26.4	0.93	35.7	0.98	43.8	1.03	51.9	1.05	60.9	1.10	70.0	1.12	77.5	1.14	85.1	1.15	91.8	1.16	43
—	—	23.8	0.89	32.3	0.97	40.7	1.01	49.9	1.06	59.1	1.09	66.7	1.11	74.3	1.13	81.1	1.14	44
31.0	0.96	40.1	1.00	48.2	1.04	56.2	1.07	65.3	1.11	74.3	1.13	81.8	1.14	89.3	1.16	96.1	1.17	45
B85		**B100**		**B116**		**B128**		**B144**		**B154**		**B162**		**B173**		**B195**		
29.1	0.94	36.7	0.98	44.8	1.03	50.8	1.05	58.8	1.07	63.8	1.10	67.8	1.11	73.4	1.12	84.4	1.15	46
—	—	20.1	0.87	28.7	0.95	35.0	0.98	43.3	1.02	48.4	1.06	52.4	1.07	58.0	1.09	69.2	1.12	47
31.5	0.96	39.1	0.99	47.1	1.04	53.1	1.06	61.2	1.08	66.2	1.11	70.2	1.12	75.7	1.13	86.7	1.15	48
23.7	0.91	31.4	0.96	39.5	1.01	45.6	1.03	53.7	1.06	58.7	1.09	62.7	1.10	68.3	1.11	79.3	1.14	49
21.8	0.89	29.6	0.95	37.8	1.00	43.9	1.03	51.9	1.05	57.0	1.08	61.0	1.10	66.5	1.11	77.6	1.13	50
B74		**B86**		**B98**		**B108**		**B120**		**B133**		**B144**		**B158**		**B173**		
23.8	0.91	29.9	0.95	35.9	0.98	41.0	1.00	47.0	1.04	53.5	1.06	59.1	1.07	66.1	1.11	73.6	1.12	51
20.8	0.89	27.0	0.93	33.1	0.97	38.2	0.99	44.2	1.03	50.8	1.05	56.3	1.07	63.3	1.10	70.9	1.12	52
26.6	0.93	32.6	0.96	38.6	0.99	43.7	1.01	49.7	1.04	56.2	1.06	61.7	1.08	68.7	1.11	76.2	1.13	53
21.5	0.89	27.7	0.94	33.8	0.97	38.8	0.99	44.9	1.03	51.4	1.05	56.9	1.07	64.0	1.10	71.5	1.12	54
—	—	18.1	0.86	24.6	0.91	29.8	0.94	36.0	0.99	42.7	1.02	48.3	1.04	55.4	1.08	62.9	1.10	55
B85		**B100**		**B116**		**B128**		**B144**		**B154**		**B162**		**B173**		**B195**		
32.0	0.96	39.6	0.99	47.6	1.04	53.6	1.06	61.6	1.08	66.6	1.11	70.6	1.12	76.2	1.13	87.2	1.15	56
21.9	0.89	29.7	0.95	37.8	1.00	43.9	1.03	52.0	1.05	57.1	1.08	61.1	1.09	66.6	1.11	77.7	1.13	57
—	—	20.2	0.86	28.9	0.95	35.1	0.98	43.4	1.02	48.5	1.05	52.6	1.07	58.2	1.09	69.3	1.12	58
29.2	0.94	36.8	0.98	44.8	1.03	50.9	1.05	58.9	1.07	63.9	1.10	67.9	1.11	73.4	1.12	84.4	1.15	59
32.7	0.96	40.2	0.99	48.2	1.04	54.3	1.06	62.3	1.08	67.3	1.11	71.3	1.12	76.8	1.13	87.8	1.15	60
B94		**B112**		**B128**		**B144**		**B162**		**B180**		**B195**		**B210**		**B225**		
22.6	0.89	32.0	0.96	40.2	1.01	48.3	1.04	57.5	1.08	66.5	1.11	74.1	1.13	81.6	1.14	88.4	1.16	61
35.1	0.97	44.1	1.01	52.2	1.05	60.2	1.08	69.2	1.11	78.2	1.13	85.7	1.15	93.2	1.16	100.0	1.18	62
32.2	0.96	41.3	1.00	49.4	1.04	57.4	1.07	66.5	1.11	75.5	1.13	83.0	1.14	90.5	1.16	97.3	1.17	63
—	—	24.0	0.89	32.6	0.97	40.9	1.01	50.2	1.06	59.4	1.09	67.0	1.11	74.5	1.13	81.4	1.14	64
34.0	0.97	43.1	1.01	51.1	1.05	59.1	1.07	68.2	1.11	77.2	1.13	84.7	1.15	92.2	1.16	99.0	1.17	65
B100		**B116**		**B133**		**B150**		**B173**		**B195**		**B210**		**B225**		**B240**		
35.9	0.98	44.0	1.03	52.6	1.05	61.1	1.08	72.6	1.12	83.6	1.15	91.2	1.16	97.9	1.17	105.4	1.21	66
29.7	0.95	37.9	1.00	46.5	1.03	55.1	1.06	66.7	1.11	77.7	1.13	85.3	1.15	92.0	1.16	99.6	1.20	67
—	—	—	—	—	—	34.6	0.97	46.7	1.04	58.1	1.08	65.8	1.10	72.7	1.12	80.3	1.16	68
31.5	0.96	39.7	1.01	48.3	1.04	56.8	1.07	68.4	1.11	79.5	1.14	87.0	1.15	93.7	1.17	101.3	1.20	69
23.8	0.90	32.3	0.97	41.0	1.01	49.7	1.04	61.3	1.09	72.4	1.12	80.0	1.14	86.8	1.15	94.3	1.19	70
B94		**B112**		**B128**		**B144**		**B162**		**B180**		**B195**		**B210**		**B225**		
22.6	0.89	32.1	0.96	40.3	1.01	48.4	1.04	57.5	1.08	66.6	1.11	74.2	1.13	81.7	1.14	88.5	1.16	71
—	—	24.1	0.89	32.7	0.97	41.0	1.01	50.3	1.06	59.4	1.09	67.0	1.11	74.6	1.13	81.4	1.14	72
33.8	0.97	42.9	1.01	50.9	1.05	59.0	1.07	68.0	1.11	77.0	1.13	84.5	1.15	92.0	1.16	98.8	1.17	73
31.2	0.95	40.3	1.00	48.4	1.04	56.4	1.07	65.5	1.11	74.5	1.13	82.0	1.14	89.5	1.16	96.3	1.17	74
26.7	0.93	35.9	0.98	44.1	1.03	52.2	1.05	61.2	1.09	70.3	1.12	77.8	1.13	85.4	1.15	92.1	1.16	75

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves		Datum Diameter		Type		Nominal Driven Speeds and Horsepower per Belt						Center Distance in Inches and "F" Factor for Browning Belts					
								3500 RPM Driver			1750 RPM Driver								
								Nominal Driven Speed	HP per Belt		Nominal Driven Speed	HP per Belt		Belt No.		Belt No.		Belt No.	
		Min	Max	Driver	Driven	Fix.	Var.		Super	Gripnotch		Super	Gripnotch	C.D.	F	C.D.	F	C.D.	F
														B38		B50		B62	
1	3.33	1	4	6.8	23.4	X	—	—	—	—	525	11.69	13.78	—	—	—	—	—	—
2	3.34	1	2	3.2	11.4	X	—	1047	3.48	7.91	523	2.76	5.18	—	—	13.8	0.81	20.0	0.88
3	3.34	1	2	3.8	13.4	X	—	1047	5.53	9.95	523	4.07	6.51	—	—	11.4	0.77	17.7	0.86
4	3.34	1	1	4.1	14.4	X	—	1047	6.48	10.90	523	4.76	7.16	—	—	—	—	16.6	0.85
5	3.34	1	6	4.4	15.4	X	—	1047	7.49	11.81	523	5.58	7.79	—	—	—	—	15.4	0.83
														B48		B65		B82	
6	3.38	1	4	8.0	27.8	X	—	—	—	—	517	14.41	16.77	—	—	—	—	—	—
7	3.38	1	10	11.0	38.0	X	—	—	—	—	517	20.13	23.35	—	—	—	—	—	—
8	3.39	1	1	3.0	10.9	X	X	1032	2.75	7.18	516	2.31	4.73	13.4	0.80	22.1	0.90	30.7	0.95
9	3.39	1	6	3.8	13.6	X	—	1032	5.53	9.95	516	4.07	6.51	10.1	0.75	19.1	0.87	27.8	0.93
10	3.40	3	2	4.2	15.0	X	—	1029	6.79	11.21	514	5.04	7.37	—	—	17.5	0.86	26.3	0.92
														B48		B65		B82	
11	3.40	1	6	5.2	18.4	X	—	1029	10.43	14.85	514	7.71	9.51	—	—	13.2	0.80	22.4	0.90
12	3.40	1	10	8.6	30.0	X	—	—	—	—	514	15.69	18.19	—	—	—	—	—	—
13	3.41	1	1	4.0	14.4	X	—	1026	6.17	10.59	513	4.50	6.94	—	—	18.2	0.86	27.0	0.93
14	3.41	1	1	7.1	25.0	X	X	—	—	—	513	12.39	14.54	—	—	—	—	—	—
15	3.41	1	1	10.9	38.0	X	—	—	—	—	513	19.97	23.15	—	—	—	—	—	—
														B42		B55		B70	
16	3.42	1	2	3.0	11.0	X	X	1023	2.75	7.18	511	2.31	4.73	10.1	0.75	16.9	0.84	24.6	0.91
17	3.42	1	1	7.9	27.8	X	—	—	—	—	511	14.19	16.52	—	—	—	—	—	—
18	3.43	1	6	3.4	12.4	X	—	1020	4.18	8.61	510	3.20	5.63	—	—	15.3	0.82	23.1	0.90
19	3.43	1	4	6.6	23.4	X	X	1020	14.31	19.82	510	11.21	13.26	—	—	—	—	—	—
20	3.44	1	10	5.6	20.0	X	X	1017	11.71	16.41	508	8.74	10.61	—	—	—	—	14.0	0.80
														B40		B52		B64	
21	3.46	1	6	4.4	16.0	X	—	1011	7.49	11.81	505	5.58	7.79	—	—	—	—	15.8	0.84
22	3.46	1	2	5.1	18.4	X	X	1011	10.09	14.44	505	7.45	9.24	—	—	—	—	—	—
23	3.46	1	10	7.0	25.0	X	—	—	—	—	505	12.16	14.29	—	—	—	—	—	—
24	3.47	3	2	4.1	15.0	X	—	1008	6.48	10.90	504	4.76	7.16	—	—	—	—	17.0	0.85
25	3.48	1	6	4.2	15.4	X	—	1005	6.79	11.21	502	5.04	7.37	—	—	—	—	16.6	0.84
														B44		B59		B74	
26	3.48	1	2	8.4	30.0	X	X	—	—	—	502	15.27	17.72	—	—	—	—	—	—
27	3.50	1	1	3.9	14.4	X	X	1000	5.85	10.28	500	4.29	6.73	—	—	15.1	0.82	22.9	0.90
28	3.51	1	2	3.6	13.4	X	—	997	4.87	9.29	498	3.64	6.07	—	—	16.3	0.83	24.1	0.91
29	3.51	1	1	6.9	25.0	X	X	—	—	—	498	11.92	14.03	—	—	—	—	—	—
30	3.52	1	6	5.0	18.4	X	—	994	9.74	14.03	497	7.19	9.01	—	—	—	—	18.3	0.86
														B38		B50		B62	
31	3.53	1	4	6.4	23.4	X	X	991	13.86	19.19	495	10.73	12.74	—	—	—	—	—	—
32	3.54	1	2	3.0	11.4	X	X	988	2.75	7.18	494	2.31	4.73	—	—	14.0	0.81	20.2	0.88
33	3.55	3	2	4.0	15.0	X	—	985	6.17	10.59	492	4.50	6.94	—	—	—	—	16.0	0.84
34	3.56	1	6	3.6	13.6	X	—	983	4.87	9.29	491	3.64	6.07	—	—	11.3	0.77	17.7	0.86
35	3.56	1	2	4.1	15.4	X	—	983	6.48	10.90	491	4.76	7.16	—	—	—	—	15.6	0.83
														B48		B65		B82	
36	3.56	1	10	5.4	20.0	X	X	983	11.08	15.64	491	8.23	10.06	—	—	—	—	20.7	0.88
37	3.56	1	10	6.8	25.0	X	—	—	—	—	491	11.69	13.78	—	—	—	—	—	—
38	3.57	1	2	10.4	38.0	X	—	—	—	—	490	19.12	22.14	—	—	—	—	—	—
39	3.58	1	1	3.8	14.4	X	—	977	5.53	9.95	488	4.07	6.51	—	—	18.3	0.86	27.1	0.93
40	3.59	1	2	4.9	18.4	X	X	974	9.38	13.61	487	6.92	8.81	—	—	13.4	0.79	22.6	0.89
														B42		B55		B70	
41	3.62	1	2	3.2	12.4	X	—	966	3.48	7.91	483	2.76	5.18	—	—	15.5	0.82	23.2	0.90
42	3.62	1	6	4.2	16.0	X	—	966	6.79	11.21	483	5.04	7.37	—	—	—	—	19.1	0.87
43	3.64	3	2	3.9	15.0	X	X	961	5.85	10.28	480	4.29	6.73	—	—	12.3	0.78	20.3	0.88
44	3.64	1	4	6.2	23.4	X	—	961	13.38	18.54	480	10.24	12.22	—	—	—	—	—	—
45	3.64	1	4	7.4	27.8	X	X	—	—	—	480	13.08	15.30	—	—	—	—	—	—
														B44		B59		B74	
46	3.65	1	6	4.0	15.4	X	—	958	6.17	10.59	479	4.50	6.94	—	—	14.0	0.80	21.9	0.89
47	3.65	1	10	8.0	30.0	X	—	—	—	—	479	14.41	16.77	—	—	—	—	—	—
48	3.66	1	6	4.8	18.4	X	—	956	9.02	13.19	478	6.66	8.61	—	—	—	—	18.4	0.86
49	3.66	1	10	6.6	25.0	X	X	956	14.31	19.82	478	11.21	13.26	—	—	—	—	—	—
50	3.69	1	6	5.2	20.0	X	—	948	10.43	14.85	474	7.71	9.51	—	—	—	—	16.5	0.84
														B44		B59		B74	
51	3.69	1	1	7.9	30.0	X	—	—	—	—	474	14.19	16.52	—	—	—	—	—	—
52	3.70	1	2	3.4	13.4	X	—	945	1.48	8.61	472	3.20	5.63	—	—	16.5	0.83	24.2	0.91
53	3.70	1	2	4.1	16.0	X	—	945	6.48	10.90	472	4.76	7.16	—	—	13.3	0.79	21.3	0.88
54	3.70	1	2	6.1	23.4	X	X	945	13.12	18.20	472	9.99	11.95	—	—	—	—	—	—
55	3.73	3	3	3.8	15.0	X	—	938	5.53	9.95	469	4.07	6.51	—	—	14.6	0.80	22.4	0.89
														B48		B65		B82	
56	3.73	1	2	3.9	15.4	X	X	938	5.85	10.28	469	4.29	6.73	—	—	17.3	0.85	26.1	0.92
57	3.75	1	6	3.4	13.6	X	—	933	4.18	8.61	466	3.20	5.63	10.3	0.74	19.4	0.87	28.1	0.93
58	3.75	1	2	5.1	20.0	X	X	933	10.09	14.44	466	7.45	9.24	—	—	—	—	20.9	0.88
59	3.75	1	1	9.9	38.0	X	—	—	—	—	466	18.23	21.09	—	—	—	—	—	—
60	3.76	1	1	3.6	14.4	X	—	930	4.87	9.29	465	3.64	6.07	—	—	18.5	0.86	27.2	0.93
														B42		B55		B70	
61	3.76	1	4	6.0	23.4	X	X	930	12.86	17.86	465	9.75	11.68	—	—	—	—	—	—
62	3.77	1	10	6.4	25.0	X	X	928	13.86	19.19	464	10.73	12.74	—	—	—	—	—	—
63	3.79	1	6	4.0	16.0	X	—	923	6.17	10.59	461	4.50	6.94	—	—	—	—	19.3	0.87
64	3.79	1	1	7.1	27.8	X	X	—	—	—	461	12.39	14.54	—	—	—	—	—	—
65	3.81	1	6	4.6	18.4	X	—	918	8.27	12.38	459	6.12	8.20	—	—	—	—	16.4	0.83
														B42		B55		B70	
66	3.82	1	6	3.8	15.4	X	—	916	5.53	9.95	458	4.07	6.51	—	—	11.9	0.77	20.0	0.87
67	3.82	1	2	5.9	23.4	X	X	916	12.58	17.50	458	9.50	11.42	—	—	—	—	—	—
68	3.83	1	6	5.0	20.0	X	—	913	9.74	14.03	456	7.19	9.01	—	—	—	—	14.3	0.79
69	3.84	1	2	3.0	12.4	X	X	911	2.75	7.18	455	2.31	4.73	—	—	15.6	0.82	23.3	0.90
70	3.84	1	4	7.0	27.8	X	—	—	—	—	455	12.16	14.29	—	—	—	—	—	—
														B42		B55		B70	
71	3.88	1	2	3.9	16.0	X	X	902	5.85	10.28	451	4.29	6.73	—	—	11.2	0.74	19.3	0.87
72	3.88	1	4	5.8	23.4	X	—	902	12.30	17.14	451	9.24	11.15	—	—	—	—	—	—
73	3.89	1	10	6.2	25.0	X	—	899	13.38	18.54	449	10.24	12.22	—	—	—	—	—	—
74	3.90	1	2	4.9	20.0	X	X	897	9.38	13.61	448	6.92	8.81	—	—	—	—	14.4	0.79
75	3.90	1	1	6.9	27.8	X	X	—	—	—	448	11.92	14.03	—	—	—	—	—	—

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts

Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
B74		**B86**		**B98**		**B108**		**B120**		**B133**		**B144**		**B158**		**B173**		
—	—	18.3	0.86	24.8	0.91	30.0	0.94	36.2	0.99	42.9	1.02	48.5	1.04	55.6	1.08	63.1	1.10	1
26.1	0.92	32.2	0.96	38.2	0.99	43.2	1.01	49.3	1.04	55.8	1.06	61.3	1.08	68.3	1.11	75.8	1.13	2
23.9	0.91	30.0	0.95	36.1	0.98	41.1	1.00	47.2	1.04	53.7	1.06	59.2	1.07	66.2	1.11	73.7	1.12	3
22.8	0.90	28.9	0.94	35.0	0.97	40.0	0.99	46.1	1.03	52.6	1.05	58.1	1.07	65.2	1.10	72.7	1.12	4
21.7	0.89	27.8	0.93	33.9	0.97	39.0	0.99	45.0	1.03	51.6	1.05	57.1	1.07	64.1	1.10	71.6	1.12	5
B100		**B116**		**B133**		**B150**		**B173**		**B195**		**B210**		**B225**		**B240**		
20.4	0.86	29.1	0.95	38.0	1.00	46.7	1.03	58.5	1.08	69.6	1.11	77.2	1.13	84.0	1.15	91.5	1.19	6
—	—	—	—	—	—	34.8	0.97	47.0	1.04	58.4	1.08	66.1	1.10	72.9	1.12	80.6	1.16	7
39.8	0.99	47.8	1.04	56.4	1.06	64.9	1.09	76.4	1.13	87.4	1.15	94.9	1.17	101.7	1.18	109.2	1.21	8
36.9	0.98	45.0	1.03	53.5	1.06	62.0	1.08	73.6	1.12	84.6	1.15	92.1	1.16	98.9	1.17	106.4	1.21	9
35.4	0.97	43.5	1.02	52.0	1.05	60.6	1.08	72.1	1.12	83.2	1.14	90.7	1.16	97.4	1.17	104.9	1.21	10
B100		**B116**		**B133**		**B150**		**B173**		**B195**		**B210**		**B225**		**B240**		
31.7	0.96	39.8	1.01	48.4	1.04	57.0	1.07	68.6	1.11	79.6	1.14	87.1	1.15	93.9	1.17	101.4	1.20	11
—	—	26.4	0.92	35.5	0.98	44.3	1.02	56.1	1.08	67.2	1.11	74.8	1.13	81.6	1.14	89.2	1.18	12
36.1	0.98	44.1	1.02	52.7	1.05	61.2	1.08	72.8	1.12	83.8	1.15	91.3	1.16	98.1	1.17	105.6	1.21	13
24.0	0.90	32.5	0.97	41.2	1.01	49.9	1.04	61.6	1.09	72.7	1.12	80.2	1.14	87.0	1.15	94.5	1.19	14
—	—	—	—	—	—	34.9	0.97	47.1	1.04	58.4	1.08	66.1	1.10	73.0	1.12	80.6	1.16	15
B85		**B100**		**B116**		**B128**		**B144**		**B154**		**B162**		**B173**		**B195**		
32.2	0.96	39.7	0.99	47.7	1.04	53.8	1.06	61.8	1.08	66.8	1.11	70.8	1.12	76.3	1.13	87.3	1.15	16
—	—	20.5	0.86	29.2	0.95	35.5	0.98	43.7	1.02	48.9	1.05	52.9	1.07	58.5	1.08	69.7	1.11	17
30.7	0.95	38.2	0.99	46.3	1.03	52.3	1.05	60.3	1.08	65.3	1.10	69.4	1.11	74.9	1.13	85.9	1.15	18
17.9	0.85	26.0	0.92	34.3	0.98	40.5	1.01	48.6	1.04	53.7	1.07	57.7	1.08	63.3	1.10	74.4	1.13	19
22.1	0.89	29.9	0.94	38.1	1.00	44.2	1.02	52.3	1.05	57.4	1.08	61.4	1.09	66.9	1.11	78.0	1.13	20
B76		**B88**		**B100**		**B112**		**B124**		**B136**		**B150**		**B162**		**B180**		
22.1	0.89	28.3	0.94	34.4	0.97	40.5	1.00	46.5	1.03	52.6	1.05	59.6	1.07	65.6	1.10	74.7	1.13	21
19.3	0.87	25.6	0.92	31.8	0.95	37.9	0.98	43.9	1.02	50.0	1.04	57.1	1.07	63.1	1.10	72.1	1.12	22
—	—	17.5	0.83	24.1	0.90	30.5	0.94	36.7	0.99	42.8	1.02	50.0	1.04	56.1	1.08	65.2	1.10	23
23.3	0.90	29.4	0.94	35.5	0.97	41.5	1.00	47.6	1.04	53.6	1.06	60.7	1.08	66.7	1.11	75.7	1.13	24
22.8	0.90	29.0	0.94	35.1	0.97	41.1	1.00	47.2	1.04	53.2	1.06	60.3	1.08	66.3	1.11	75.3	1.13	25
B89		**B105**		**B120**		**B136**		**B150**		**B162**		**B180**		**B195**		**B210**		
—	—	20.4	0.85	28.7	0.94	37.2	0.99	44.4	1.02	50.6	1.06	59.8	1.09	67.4	1.11	75.0	1.13	26
30.6	0.95	38.7	0.99	46.2	1.03	54.3	1.06	61.3	1.08	67.3	1.11	76.4	1.13	83.9	1.15	91.4	1.16	27
31.7	0.95	39.8	0.99	47.3	1.04	55.3	1.06	62.4	1.08	68.4	1.11	77.4	1.13	84.9	1.15	92.4	1.16	28
18.1	0.84	26.8	0.92	34.7	0.98	42.9	1.02	50.0	1.04	56.1	1.08	65.2	1.10	72.8	1.12	80.3	1.14	29
26.2	0.92	34.4	0.97	42.0	1.02	50.1	1.04	57.1	1.07	63.2	1.10	72.2	1.12	79.7	1.14	87.3	1.15	30
B74		**B86**		**B98**		**B108**		**B120**		**B133**		**B144**		**B158**		**B173**		
—	—	18.6	0.85	25.1	0.91	30.3	0.94	36.5	0.99	43.2	1.02	48.8	1.04	55.9	1.08	63.4	1.10	31
26.3	0.92	32.3	0.96	38.4	0.99	43.4	1.01	49.4	1.04	55.9	1.06	61.5	1.08	68.5	1.11	76.0	1.13	32
22.3	0.90	28.5	0.94	34.5	0.97	39.6	0.99	45.7	1.03	52.2	1.05	57.7	1.07	64.8	1.10	72.3	1.12	33
23.9	0.91	30.0	0.95	36.1	0.98	41.1	1.00	47.1	1.03	53.7	1.06	59.2	1.07	66.2	1.11	73.7	1.12	34
21.9	0.89	28.0	0.93	34.1	0.97	39.2	0.99	45.2	1.03	51.8	1.05	57.3	1.07	64.3	1.10	71.9	1.12	35
B100		**B116**		**B133**		**B150**		**B173**		**B195**		**B210**		**B225**		**B240**		
30.1	0.94	38.3	1.00	46.9	1.03	55.5	1.06	67.1	1.11	78.1	1.13	85.6	1.15	92.4	1.16	99.9	1.20	36
24.2	0.90	32.7	0.97	41.4	1.01	50.1	1.04	61.8	1.09	72.9	1.12	80.4	1.14	87.2	1.15	94.8	1.19	37
—	—	—	—	25.8	0.89	35.2	0.97	47.4	1.04	58.8	1.08	66.5	1.10	73.4	1.12	81.0	1.16	38
36.2	0.98	44.3	1.02	52.8	1.05	61.4	1.08	72.9	1.12	83.9	1.15	91.5	1.16	98.2	1.17	105.7	1.21	39
31.9	0.95	40.0	1.01	48.6	1.04	57.2	1.07	68.8	1.11	79.8	1.14	87.3	1.15	94.1	1.16	101.6	1.20	40
B85		**B100**		**B116**		**B128**		**B144**		**B154**		**B162**		**B173**		**B195**		
30.8	0.95	38.4	0.99	46.4	1.03	52.5	1.05	60.5	1.08	65.5	1.10	69.5	1.11	75.0	1.13	86.0	1.15	41
26.9	0.93	34.5	0.97	42.6	1.02	48.7	1.04	56.7	1.06	61.8	1.09	65.8	1.10	71.3	1.12	82.3	1.14	42
28.0	0.93	35.6	0.97	43.7	1.02	49.8	1.04	57.8	1.07	62.8	1.10	66.8	1.11	72.4	1.12	83.4	1.14	43
18.1	0.85	26.3	0.91	34.6	0.98	40.8	1.01	48.9	1.04	54.0	1.07	58.0	1.08	63.6	1.10	74.7	1.12	44
—	—	20.8	0.86	29.5	0.94	35.8	0.98	44.1	1.02	49.2	1.05	53.3	1.07	58.9	1.08	70.0	1.11	45
B89		**B105**		**B120**		**B136**		**B150**		**B162**		**B180**		**B195**		**B210**		
29.6	0.94	37.7	0.98	45.3	1.03	53.4	1.05	60.4	1.08	66.4	1.11	75.5	1.13	83.0	1.14	90.5	1.16	46
—	—	20.7	0.85	29.0	0.94	37.5	0.99	44.7	1.02	50.9	1.06	60.1	1.09	67.7	1.11	75.3	1.12	47
26.3	0.92	34.5	0.97	42.1	1.01	50.2	1.04	57.3	1.07	63.3	1.10	72.4	1.12	79.9	1.14	87.4	1.15	48
18.3	0.84	27.0	0.92	34.9	0.98	43.1	1.02	50.3	1.04	56.3	1.08	65.4	1.10	73.0	1.12	80.6	1.14	49
24.5	0.91	32.8	0.96	40.4	1.01	48.6	1.04	55.6	1.06	61.7	1.09	70.7	1.12	78.3	1.13	85.8	1.15	50
B89		**B105**		**B120**		**B136**		**B150**		**B162**		**B180**		**B195**		**B210**		
—	—	20.8	0.85	29.1	0.94	37.5	0.99	44.8	1.02	51.0	1.06	60.1	1.09	67.7	1.11	75.3	1.12	51
31.8	0.95	39.9	0.99	47.4	1.03	55.5	1.06	62.5	1.08	68.5	1.11	77.6	1.13	85.1	1.15	92.6	1.16	52
29.0	0.94	37.1	0.98	44.7	1.02	52.8	1.05	59.8	1.07	65.9	1.10	74.9	1.13	82.4	1.14	89.8	1.16	53
20.4	0.87	29.0	0.93	36.7	0.99	44.9	1.02	52.0	1.05	58.1	1.08	67.2	1.11	74.7	1.12	82.3	1.14	54
30.1	0.94	38.2	0.98	45.8	1.03	53.9	1.06	60.9	1.08	66.9	1.11	75.9	1.13	83.5	1.14	91.0	1.16	55
B100		**B116**		**B133**		**B150**		**B173**		**B195**		**B210**		**B225**		**B240**		
35.3	0.97	43.4	1.02	51.9	1.05	60.5	1.07	72.0	1.12	83.1	1.14	90.6	1.16	97.3	1.17	104.8	1.21	56
37.2	0.98	45.3	1.03	53.8	1.06	62.3	1.08	73.9	1.12	84.9	1.15	92.4	1.16	99.2	1.17	106.7	1.21	57
30.3	0.94	38.5	1.00	47.1	1.03	55.7	1.06	67.3	1.11	78.3	1.13	85.9	1.15	92.6	1.16	100.2	1.20	58
—	—	—	—	26.1	0.89	35.5	0.96	47.7	1.04	59.1	1.08	66.8	1.10	73.7	1.12	81.3	1.16	59
36.4	0.98	44.4	1.02	53.0	1.05	61.5	1.08	73.1	1.12	84.1	1.14	91.6	1.16	98.4	1.17	105.9	1.21	60
B85		**B100**		**B116**		**B128**		**B144**		**B154**		**B162**		**B173**		**B195**		
18.3	0.84	26.4	0.91	34.7	0.98	40.9	1.01	49.0	1.04	54.1	1.07	58.2	1.08	63.7	1.10	74.8	1.12	61
—	—	24.5	0.90	32.9	0.97	39.1	1.00	47.3	1.03	52.4	1.06	56.5	1.08	62.1	1.09	73.2	1.12	62
27.0	0.93	34.7	0.97	42.8	1.02	48.8	1.04	56.9	1.06	61.9	1.09	65.9	1.10	71.4	1.12	82.5	1.14	63
—	—	21.0	0.86	29.7	0.94	36.0	0.98	44.3	1.02	49.4	1.05	53.5	1.07	59.1	1.08	70.2	1.11	64
24.4	0.90	32.1	0.95	40.3	1.01	46.3	1.03	54.4	1.06	59.4	1.09	63.5	1.10	69.0	1.11	80.0	1.14	65
B85		**B100**		**B116**		**B128**		**B144**		**B154**		**B162**		**B173**		**B195**		
27.7	0.93	35.4	0.97	43.4	1.02	49.5	1.04	57.5	1.07	62.6	1.09	66.6	1.11	72.1	1.12	83.1	1.14	66
18.3	0.84	26.5	0.91	34.8	0.98	41.0	1.01	49.1	1.04	54.2	1.07	58.2	1.08	63.8	1.10	74.9	1.12	67
22.5	0.89	30.3	0.94	38.5	1.00	44.6	1.02	52.7	1.05	57.8	1.08	61.8	1.09	67.4	1.11	78.4	1.13	68
31.0	0.95	38.5	0.98	46.6	1.03	52.6	1.05	60.6	1.07	65.6	1.10	69.7	1.11	75.2	1.13	86.2	1.15	69
—	—	21.0	0.86	29.8	0.94	36.1	0.98	44.4	1.02	49.5	1.05	53.6	1.06	59.2	1.08	70.3	1.11	70
B85		**B100**		**B116**		**B128**		**B144**		**B154**		**B162**		**B173**		**B195**		
27.1	0.92	34.8	0.97	42.9	1.02	48.9	1.04	57.0	1.06	62.0	1.09	66.0	1.10	71.5	1.12	82.6	1.14	71
18.4	0.84	26.5	0.91	34.9	0.98	41.0	1.01	49.2	1.04	54.3	1.07	58.3	1.08	63.9	1.10	75.0	1.12	72
—	—	24.6	0.90	33.1	0.97	39.3	1.00	47.5	1.03	52.6	1.06	56.6	1.08	62.2	1.09	73.3	1.12	73
22.6	0.89	30.4	0.94	38.6	1.00	44.7	1.02	52.8	1.05	57.9	1.08	61.9	1.09	67.4	1.11	78.5	1.13	74
—	—	21.1	0.86	29.8	0.94	36.2	0.98	44.4	1.02	49.6	1.05	53.6	1.06	59.2	1.08	70.4	1.11	75

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Datum Diameter Driver	Datum Diameter Driven	Type Fix.	Type Var.	Nominal Driven Speeds and Horsepower per Belt — 3500 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	1750 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	Center Distance in Inches and "F" Factor for Browning Belts: Belt No.	C.D.	F	Belt No.	C.D.	F	Belt No.	C.D.	F
														B48			B65			B82		
1	3.91	1	2	3.2	13.4	X	—	895	3.48	7.91	447	2.76	5.18	10.7		0.75	19.7		0.87	28.4		0.93
2	3.92	3	3	3.6	15.0	X	—	892	4.87	9.29	446	3.64	6.07	—		—	17.9		0.85	26.7		0.92
3	3.93	1	10	7.4	30.0	X	X	—	—	—	445	13.08	15.30	—		—	—		—	—		—
4	3.94	1	10	9.4	38.0	X	X	—	—	—	444	17.29	20.00	—		—	—		—	—		—
5	3.95	1	2	6.1	25.0	X	X	886	13.12	18.20	443	9.99	11.95	—		—	—		—	—		—
														B42			B55			B70		
6	3.95	1	4	6.8	27.8	X	—	—	—	—	443	11.69	13.78	—		—	—		—	—		—
7	3.97	1	2	3.2	13.6	X	—	881	3.48	7.91	440	2.76	5.18	—		—	14.3		0.80	22.1		0.89
8	3.97	1	1	3.4	14.4	X	—	881	4.18	8.61	440	3.20	5.63	—		—	13.3		0.79	21.2		0.88
9	3.97	1	6	3.8	16.0	X	—	881	5.53	9.95	440	4.07	6.51	—		—	11.2		0.74	19.4		0.87
10	3.97	1	6	4.4	18.4	X	—	881	7.49	11.81	440	5.58	7.79	—		—	—		—	16.5		0.83
														B42			B55			B70		
11	3.98	1	6	4.8	20.0	X	—	879	9.02	13.19	439	6.66	8.61	—		—	—		—	14.5		0.79
12	4.01	1	4	5.6	23.4	X	X	872	11.71	16.41	436	8.74	10.61	—		—	—		—	—		—
13	4.01	1	10	6.0	25.0	X	X	872	12.86	17.86	436	9.75	11.68	—		—	—		—	—		—
14	4.02	1	6	3.6	15.4	X	—	870	4.87	9.29	435	3.64	6.07	—		—	12.1		0.76	20.1		0.87
15	4.07	1	4	6.6	27.8	X	X	859	14.31	19.82	429	11.21	13.26	—		—	—		—	—		—
														B48			B65			B82		
16	4.08	1	2	5.9	25.0	X	X	857	12.58	17.50	428	9.50	11.42	—		—	—		—	—		—
17	4.09	1	1	7.1	30.0	X	X	—	—	—	427	12.39	14.54	—		—	—		—	—		—
18	4.11	1	10	9.0	38.0	X	—	—	—	—	425	16.50	19.11	—		—	—		—	—		—
19	4.13	3	3	3.4	15.0	X	—	847	4.18	8.61	423	3.20	5.63	—		—	18.0		0.85	26.8		0.92
20	4.14	1	6	4.6	20.0	X	—	845	8.27	12.38	422	6.12	8.20	—		—	—		—	21.2		0.87
														B44			B59			B74		
21	4.14	1	10	5.8	25.0	X	—	845	12.30	17.14	422	9.24	11.15	—		—	—		—	—		—
22	4.15	1	2	3.0	13.4	X	X	843	2.75	7.18	421	2.31	4.73	—		—	16.7		0.83	24.5		0.91
23	4.15	1	6	4.2	18.4	X	—	843	6.79	11.21	421	5.04	7.37	—		—	—		—	18.8		0.85
24	4.15	1	4	5.4	23.4	X	X	843	11.08	15.64	421	8.23	10.06	—		—	—		—	—		—
25	4.15	1	10	7.0	30.0	X	—	—	—	—	421	12.16	14.29	—		—	—		—	—		—
														B48			B65			B82		
26	4.16	1	1	8.9	38.0	X	—	—	—	—	420	16.30	18.88	—		—	—		—	—		—
27	4.17	1	6	3.6	16.0	X	—	839	4.87	9.29	419	3.64	6.07	—		—	16.9		0.84	25.8		0.91
28	4.19	1	4	6.4	27.8	X	X	835	13.86	19.19	417	10.73	12.74	—		—	32.8		0.85	—		—
29	4.20	1	1	3.2	14.4	X	—	833	3.48	7.91	416	2.76	5.18	—		—	18.7		0.86	27.5		0.93
30	4.20	1	1	6.9	30.0	X	X	—	—	—	416	11.92	14.03	—		—	—		—	—		—
														B44			B59			B74		
31	4.21	1	2	3.0	13.6	X	X	831	2.75	7.18	415	2.31	4.73	—		—	16.5		0.82	24.3		0.90
32	4.24	1	6	3.4	15.4	X	—	825	4.18	8.61	412	3.20	5.63	—		—	14.4		0.79	22.3		0.89
33	4.25	1	2	4.1	18.4	X	—	823	6.48	10.90	411	4.76	7.16	—		—	—		—	18.9		0.85
34	4.26	1	10	6.8	30.0	X	—	—	—	—	410	11.69	13.78	—		—	—		—	—		—
35	4.28	1	10	5.6	25.0	X	X	817	11.71	16.41	408	8.74	10.61	—		—	—		—	—		—
														B48			B65			B82		
36	4.30	1	4	5.2	23.4	X	—	813	10.43	14.85	406	7.71	9.51	—		—	—		—	17.1		0.81
37	4.30	1	10	8.6	38.0	X	—	—	—	—	406	15.69	18.19	—		—	—		—	—		—
38	4.31	1	6	4.4	20.0	X	—	812	7.49	11.81	406	5.58	7.79	—		—	—		—	21.3		0.87
39	4.32	1	4	6.2	27.8	X	—	810	13.38	18.54	405	10.24	12.22	—		—	—		—	—		—
40	4.34	1	6	4.0	18.4	X	—	806	6.17	10.59	403	4.50	6.94	—		—	14.0		0.79	23.2		0.89
														B44			B59			B74		
41	4.37	3	3	3.2	15.0	X	—	800	3.48	7.91	400	2.76	5.18	—		—	15.0		0.80	22.9		0.89
42	4.38	1	2	5.1	23.4	X	X	799	10.09	14.44	399	7.45	9.24	—		—	—		—	—		—
43	4.39	1	2	6.1	27.8	X	X	797	13.12	18.20	398	9.99	11.95	—		—	—		—	—		—
44	4.39	1	10	6.6	30.0	X	X	797	14.31	19.82	398	11.21	13.26	—		—	—		—	—		—
45	4.40	1	6	3.4	16.0	X	—	795	4.18	8.61	397	3.20	5.63	—		—	13.7		0.79	21.8		0.88
														B48			B65			B82		
46	4.40	1	2	8.4	38.0	X	X	—	—	—	397	15.27	17.72	—		—	—		—	—		—
47	4.43	1	10	5.4	25.0	X	X	790	11.08	15.64	395	8.23	10.06	—		—	—		—	—		—
48	4.45	1	1	3.0	14.4	X	X	786	2.75	7.18	393	2.31	4.73	—		—	18.9		0.86	27.7		0.92
49	4.45	1	2	3.9	18.4	X	X	786	5.85	10.28	393	4.29	6.73	—		—	14.0		0.79	23.3		0.89
50	4.46	1	4	6.0	27.8	X	X	784	12.86	17.86	392	9.75	11.68	—		—	—		—	—		—
														B44			B59			B74		
51	4.47	1	4	5.0	23.4	X	—	782	9.74	14.03	391	7.19	9.01	—		—	—		—	—		—
52	4.48	1	2	3.2	15.4	X	—	781	3.48	7.91	390	2.76	5.18	—		—	14.5		0.79	22.5		0.89
53	4.51	1	6	4.2	20.0	X	—	776	6.79	11.21	388	5.04	7.37	—		—	—		—	17.1		0.83
54	4.52	1	10	6.4	30.0	X	X	774	13.86	19.19	387	10.73	12.74	—		—	—		—	—		—
55	4.53	1	3	5.9	27.8	X	X	772	12.58	17.50	386	9.50	11.42	—		—	—		—	—		—
														B42			B55			B70		
56	4.55	1	2	4.9	23.4	X	X	769	9.38	13.61	384	6.92	8.81	—		—	—		—	—		—
57	4.56	1	6	3.8	18.4	X	—	767	5.53	9.95	383	4.07	6.51	—		—	—		—	16.9		0.83
58	4.59	1	6	5.2	25.0	X	—	762	10.43	14.85	381	7.71	9.51	—		—	—		—	—		—
59	4.60	1	4	5.8	27.8	X	—	760	12.30	17.14	380	9.24	11.15	—		—	—		—	—		—
60	4.61	1	2	4.1	20.0	X	—	759	6.48	10.90	379	4.76	7.16	—		—	—		—	14.9		0.79
														B48			B65			B82		
61	4.61	1	10	8.0	38.0	X	—	—	—	—	379	14.41	16.77	—		—	—		—	—		—
62	4.63	3	3	3.0	15.0	X	X	755	2.75	7.18	377	2.31	4.73	—		—	18.3		0.85	27.1		0.92
63	4.64	1	4	4.8	23.4	X	—	754	9.02	13.19	377	6.66	8.61	—		—	—		—	17.3		0.81
64	4.65	1	2	3.2	16.0	X	—	752	3.48	7.91	376	2.76	5.18	—		—	17.1		0.84	26.0		0.91
65	4.66	1	10	6.2	30.0	X	—	751	13.38	18.54	375	10.24	12.22	—		—	—		—	—		—
														B48			B65			B82		
66	4.67	1	1	7.9	38.0	X	—	—	—	—	374	14.19	16.52	—		—	—		—	—		—
67	4.68	1	2	5.1	25.0	X	X	747	10.09	14.44	373	7.45	9.24	—		—	—		—	—		—
68	4.72	1	6	4.0	20.0	X	—	741	6.17	10.59	370	4.50	6.94	—		—	—		—	21.6		0.87
69	4.73	1	2	6.1	30.0	X	X	739	13.12	18.20	369	9.99	11.95	—		—	—		—	—		—
70	4.75	1	2	3.0	15.4	X	X	736	2.75	7.18	368	2.31	4.73	—		—	17.9		0.84	26.7		0.92
														B44			B59			B74		
71	4.76	1	4	5.6	27.8	X	X	735	11.71	16.41	367	8.74	10.61	—		—	—		—	—		—
72	4.77	1	6	5.0	25.0	X	—	733	9.74	14.03	366	7.19	9.01	—		—	—		—	—		—
73	4.79	1	6	3.6	18.4	X	—	730	4.87	9.29	365	3.64	6.07	—		—	—		—	19.2		0.85
74	4.80	1	10	6.0	30.0	X	X	729	12.86	17.86	364	9.75	11.68	—		—	—		—	—		—
75	4.83	1	2	3.9	20.0	X	X	724	5.85	10.28	362	4.29	6.73	—		—	—		—	17.3		0.83

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts

Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
B100		**B116**		**B133**		**B150**		**B173**		**B195**		**B210**		**B225**		**B240**		
37.5	0.98	45.6	1.03	54.1	1.06	62.7	1.08	74.2	1.12	85.2	1.15	92.7	1.16	99.5	1.17	107.0	1.21	1
35.8	0.97	43.9	1.02	52.5	1.05	61.0	1.08	72.6	1.12	83.6	1.14	91.1	1.16	97.9	1.17	105.4	1.21	2
—	—	27.2	0.92	36.3	0.98	45.1	1.02	56.9	1.07	68.1	1.11	75.7	1.12	82.5	1.14	90.1	1.18	3
—	—	—	—	26.4	0.89	35.9	0.96	48.1	1.04	59.5	1.08	67.2	1.10	74.1	1.12	81.7	1.16	4
24.7	0.90	33.1	0.97	41.9	1.01	50.6	1.04	62.3	1.09	73.4	1.12	80.9	1.14	87.7	1.15	95.3	1.19	5
B85		**B100**		**B116**		**B128**		**B144**		**B154**		**B162**		**B173**		**B195**		
—	—	21.2	0.86	29.9	0.94	36.2	0.98	44.5	1.02	49.6	1.05	53.7	1.06	59.3	1.08	70.5	1.11	6
29.8	0.94	37.4	0.98	45.4	1.03	51.4	1.05	59.5	1.07	64.5	1.10	68.5	1.11	74.0	1.12	85.1	1.15	7
28.9	0.94	36.5	0.97	44.6	1.02	50.6	1.04	58.7	1.07	63.7	1.10	67.7	1.11	73.2	1.12	84.2	1.14	8
27.2	0.92	34.8	0.97	42.9	1.02	49.0	1.04	57.0	1.06	62.1	1.09	66.1	1.10	71.6	1.12	82.6	1.14	9
24.5	0.90	32.2	0.95	40.4	1.00	46.5	1.03	54.6	1.06	59.6	1.09	63.6	1.10	69.1	1.11	80.2	1.14	10
B85		**B100**		**B116**		**B128**		**B144**		**B154**		**B162**		**B173**		**B195**		
22.7	0.89	30.5	0.94	38.7	1.00	44.8	1.02	52.9	1.05	57.9	1.08	62.0	1.09	67.5	1.11	78.6	1.13	11
18.5	0.84	26.7	0.91	35.0	0.98	41.2	1.01	49.3	1.04	54.4	1.07	58.5	1.08	64.0	1.10	75.1	1.12	12
—	—	24.8	0.90	33.2	0.97	39.4	1.00	47.6	1.03	52.7	1.06	56.8	1.07	62.3	1.09	73.5	1.12	13
27.9	0.93	35.5	0.97	43.6	1.02	49.6	1.04	57.7	1.07	62.7	1.09	66.7	1.10	72.2	1.12	83.3	1.14	14
—	—	21.3	0.86	30.0	0.94	36.4	0.98	44.6	1.02	49.8	1.05	53.9	1.06	59.5	1.08	70.6	1.11	15
B100		**B116**		**B133**		**B150**		**B173**		**B195**		**B210**		**B225**		**B240**		
24.8	0.90	33.3	0.96	42.1	1.01	50.7	1.04	62.4	1.09	73.5	1.12	81.1	1.14	87.9	1.15	95.4	1.19	16
—	—	27.4	0.92	36.5	0.98	45.3	1.02	57.1	1.07	68.3	1.10	75.9	1.12	82.7	1.14	90.3	1.18	17
—	—	—	—	26.6	0.88	36.1	0.96	48.3	1.03	59.7	1.08	67.4	1.10	74.3	1.12	82.0	1.16	18
36.0	0.97	44.1	1.02	52.6	1.05	61.2	1.07	72.7	1.12	83.8	1.14	91.3	1.16	98.0	1.17	105.5	1.21	19
30.6	0.94	38.8	1.00	47.5	1.03	56.1	1.06	67.7	1.11	78.7	1.13	86.2	1.15	93.0	1.16	100.5	1.20	20
B89		**B105**		**B120**		**B136**		**B150**		**B162**		**B180**		**B195**		**B210**		
18.8	0.83	27.6	0.91	35.4	0.98	43.7	1.01	50.8	1.04	56.9	1.07	66.0	1.10	73.6	1.12	81.2	1.14	21
32.1	0.95	40.2	0.99	47.7	1.03	55.8	1.06	62.8	1.08	68.8	1.11	77.9	1.13	85.4	1.15	92.9	1.16	22
26.7	0.92	34.9	0.96	42.6	1.01	50.7	1.04	57.7	1.06	63.8	1.10	72.8	1.12	80.3	1.14	87.9	1.15	23
20.9	0.86	29.4	0.93	37.2	0.99	45.4	1.02	52.5	1.05	58.6	1.08	67.7	1.11	75.3	1.12	82.8	1.14	24
—	—	21.3	0.84	29.6	0.93	38.1	0.98	45.4	1.02	51.6	1.05	60.8	1.08	68.4	1.10	76.0	1.12	25
B100		**B116**		**B133**		**B150**		**B173**		**B195**		**B210**		**B225**		**B240**		
—	—	—	—	26.7	0.88	36.2	0.96	48.4	1.03	59.8	1.08	67.5	1.10	74.4	1.12	82.0	1.16	26
35.0	0.97	43.1	1.02	51.6	1.05	60.2	1.07	71.7	1.12	82.8	1.14	90.3	1.16	97.1	1.17	104.6	1.20	27
21.4	0.86	30.2	0.94	39.1	0.99	47.9	1.03	59.6	1.08	70.7	1.11	78.3	1.13	85.1	1.14	92.7	1.18	28
36.7	0.97	44.7	1.02	53.3	1.05	61.8	1.08	73.4	1.12	84.4	1.14	91.9	1.16	98.7	1.17	106.2	1.21	29
—	—	27.5	0.92	36.6	0.98	45.5	1.02	57.3	1.07	68.5	1.10	76.1	1.12	82.9	1.14	90.4	1.18	30
B89		**B105**		**B120**		**B136**		**B150**		**B162**		**B180**		**B195**		**B210**		
31.9	0.95	40.0	0.99	47.6	1.03	55.6	1.06	62.6	1.08	68.7	1.11	77.7	1.13	85.2	1.15	92.7	1.16	31
30.0	0.94	38.2	0.98	45.7	1.03	53.8	1.05	60.8	1.07	66.9	1.10	75.9	1.13	83.4	1.14	90.9	1.16	32
26.8	0.92	35.0	0.96	42.6	1.01	50.7	1.04	57.8	1.06	63.8	1.10	72.9	1.12	80.4	1.14	87.9	1.15	33
—	—	21.4	0.84	29.8	0.93	38.3	0.98	45.5	1.02	51.7	1.05	60.9	1.08	68.5	1.10	76.1	1.12	34
18.9	0.83	27.7	0.91	35.6	0.98	43.8	1.01	51.0	1.04	57.1	1.07	66.2	1.10	73.7	1.12	81.3	1.14	35
B100		**B116**		**B133**		**B150**		**B173**		**B195**		**B210**		**B225**		**B240**		
26.9	0.91	35.3	0.98	44.0	1.01	52.7	1.05	64.3	1.10	75.4	1.12	82.9	1.14	89.7	1.15	97.3	1.19	36
—	—	—	—	26.9	0.88	36.4	0.96	48.6	1.03	60.0	1.07	67.7	1.10	74.5	1.12	82.3	1.16	37
30.8	0.94	39.0	1.00	47.6	1.03	56.2	1.06	67.8	1.11	78.9	1.13	86.4	1.15	93.2	1.16	100.7	1.20	38
21.5	0.85	30.3	0.94	39.2	0.99	48.0	1.03	59.7	1.08	70.3	1.11	78.5	1.13	85.3	1.14	92.8	1.18	39
32.5	0.95	70.7	1.00	49.3	1.04	57.9	1.06	69.4	1.11	80.5	1.13	88.0	1.15	94.8	1.16	102.3	1.20	40
B89		**B105**		**B120**		**B136**		**B150**		**B162**		**B180**		**B195**		**B210**		
30.5	0.94	38.7	0.98	46.2	1.03	54.3	1.05	61.3	1.07	67.4	1.10	76.4	1.13	83.9	1.14	91.4	1.16	41
21.1	0.86	29.6	0.93	37.4	0.99	45.6	1.02	52.7	1.05	58.8	1.08	67.9	1.10	75.5	1.12	83.0	1.14	42
—	—	24.4	0.89	32.5	0.95	40.8	1.00	48.1	1.03	54.2	1.06	63.4	1.09	71.0	1.11	78.5	1.13	43
—	—	21.5	0.84	29.9	0.93	38.4	0.98	45.7	1.02	51.8	1.05	61.0	1.08	68.7	1.10	76.3	1.12	44
29.5	0.94	37.6	0.98	45.2	1.02	53.3	1.05	60.3	1.07	66.4	1.10	75.4	1.12	82.9	1.14	90.5	1.15	45
B100		**B116**		**B133**		**B150**		**B173**		**B195**		**B210**		**B225**		**B240**		
—	—	—	—	27.0	0.88	36.5	0.96	48.7	1.03	60.2	1.07	67.9	1.10	74.8	1.11	82.4	1.16	46
25.1	0.89	33.6	0.96	42.4	1.01	51.1	1.04	62.8	1.09	73.9	1.12	81.4	1.14	88.2	1.15	95.8	1.19	47
36.8	0.97	44.9	1.02	53.4	1.05	62.0	1.08	73.5	1.12	84.5	1.14	92.1	1.16	98.8	1.17	106.3	1.21	48
32.6	0.95	40.7	1.00	49.4	1.04	57.9	1.06	69.5	1.11	80.6	1.13	88.1	1.15	94.9	1.16	102.4	1.20	49
21.7	0.85	30.4	0.94	39.4	0.99	48.1	1.03	59.9	1.08	71.0	1.11	78.6	1.13	85.4	1.14	93.0	1.18	50
B89		**B105**		**B120**		**B136**		**B150**		**B162**		**B180**		**B195**		**B210**		
21.1	0.86	29.7	0.93	37.5	0.98	45.7	1.02	52.8	1.05	58.9	1.08	68.0	1.10	75.5	1.12	83.1	1.14	51
30.2	0.94	38.3	0.98	45.9	1.02	54.0	1.05	61.0	1.07	67.0	1.10	76.1	1.13	83.6	1.14	91.1	1.16	52
25.2	0.90	33.5	0.95	41.1	1.00	49.3	1.04	56.3	1.06	62.4	1.09	71.5	1.11	79.0	1.13	86.5	1.15	53
—	—	21.7	0.84	30.0	0.93	38.5	0.98	45.8	1.02	52.0	1.05	61.2	1.08	68.8	1.10	76.4	1.12	54
—	—	24.5	0.89	32.6	0.95	41.0	1.00	48.2	1.03	54.3	1.06	63.5	1.09	71.1	1.11	78.7	1.13	55
B85		**B100**		**B116**		**B128**		**B144**		**B154**		**B162**		**B173**		**B195**		
19.0	0.84	27.1	0.91	35.5	0.97	41.7	1.00	49.8	1.04	54.9	1.07	59.0	1.08	64.5	1.09	75.6	1.12	56
24.9	0.90	32.7	0.95	40.8	1.00	46.9	1.03	55.0	1.05	60.0	1.08	64.1	1.10	69.6	1.11	80.6	1.13	57
16.8	0.79	25.3	0.89	33.7	0.96	40.0	0.99	48.2	1.03	53.3	1.06	57.3	1.07	62.9	1.09	74.0	1.12	58
—	—	21.8	0.85	30.6	0.94	36.9	0.98	45.2	1.01	50.3	1.05	54.4	1.06	60.0	1.08	71.2	1.11	59
23.1	0.88	31.0	0.94	39.2	0.99	45.3	1.02	53.4	1.05	58.4	1.08	62.5	1.09	68.0	1.10	79.1	1.13	60
B100		**B116**		**B133**		**B150**		**B173**		**B195**		**B210**		**B225**		**B240**		
—	—	—	—	27.2	0.88	36.7	0.96	49.0	1.03	60.4	1.07	68.1	1.10	75.0	1.11	82.7	1.16	61
36.3	0.97	44.4	1.02	52.9	1.05	61.5	1.07	73.0	1.12	84.1	1.14	91.6	1.16	98.3	1.17	105.8	1.21	62
27.2	0.91	35.5	0.97	44.3	1.01	52.9	1.05	64.6	1.09	75.7	1.12	83.2	1.14	90.0	1.15	97.6	1.19	63
35.2	0.96	43.4	1.01	51.9	1.04	60.5	1.07	72.0	1.12	83.1	1.14	90.6	1.15	97.4	1.17	104.9	1.20	64
—	—	28.0	0.92	37.1	0.97	45.9	1.01	57.8	1.07	69.0	1.10	76.6	1.12	83.4	1.14	91.0	1.18	65
B100		**B116**		**B133**		**B150**		**B173**		**B195**		**B210**		**B225**		**B240**		
—	—	—	—	27.3	0.88	36.8	0.96	49.1	1.03	60.5	1.07	68.2	1.10	75.1	1.11	82.8	1.16	66
25.3	0.89	33.8	0.96	42.6	1.01	51.3	1.04	63.0	1.09	74.1	1.12	81.7	1.13	88.5	1.15	96.0	1.19	67
31.0	0.94	39.2	0.99	47.9	1.03	56.5	1.06	68.1	1.10	79.2	1.13	86.7	1.15	93.5	1.16	101.0	1.20	68
—	—	28.0	0.92	37.1	0.97	46.0	1.01	57.8	1.07	69.0	1.10	76.6	1.12	83.5	1.14	91.0	1.18	69
35.9	0.97	44.0	1.02	52.6	1.05	61.1	1.07	72.7	1.12	83.7	1.14	91.2	1.16	98.0	1.17	105.5	1.21	70
B89		**B105**		**B120**		**B136**		**B150**		**B162**		**B180**		**B195**		**B210**		
—	—	24.7	0.89	32.8	0.95	41.2	1.00	48.4	1.03	54.6	1.06	63.7	1.09	71.3	1.11	78.9	1.13	71
19.3	0.83	28.1	0.91	36.0	0.97	44.2	1.01	51.4	1.04	57.5	1.07	66.6	1.10	74.2	1.12	81.7	1.13	72
27.1	0.92	35.4	0.96	43.0	1.01	51.1	1.04	58.2	1.06	64.2	1.09	73.3	1.12	80.8	1.13	88.3	1.15	73
—	—	21.9	0.84	30.3	0.93	38.8	0.98	46.1	1.01	52.3	1.05	61.5	1.08	69.1	1.10	76.7	1.12	74
25.4	0.90	33.7	0.95	41.4	1.00	49.5	1.03	56.6	1.06	62.6	1.09	71.7	1.11	79.2	1.13	86.8	1.15	75

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves		Datum Diameter		Type		Nominal Driven Speeds and Horsepower per Belt						Center Distance in Inches and "F" Factor for Browning Belts					
								3500 RPM Driver			1750 RPM Driver			Belt No.		Belt No.		Belt No.	
		Min	Max	Driver	Driven	Fix.	Var.	Nominal Driven Speed	HP per Belt Super	HP per Belt Gripnotch	Nominal Driven Speed	HP per Belt Super	HP per Belt Gripnotch	C.D.	F	C.D.	F	C.D.	F
														B44		B59		B74	
1	4.83	1	4	4.6	23.4	X	—	724	8.27	12.38	362	6.12	8.20	—	—	—	—	—	—
2	4.86	1	2	4.9	25.0	X	X	720	9.38	13.61	360	6.92	8.81	—	—	—	—	—	—
3	4.88	1	2	5.9	30.0	X	X	717	12.58	17.50	358	9.50	11.42	—	—	—	—	—	—
4	4.92	1	4	5.4	27.8	X	X	711	11.08	15.64	355	8.23	10.06	—	—	—	—	—	—
5	4.93	1	2	3.0	16.0	X	X	709	2.75	7.18	354	2.31	4.73	—	—	14.0	0.78	22.0	0.88
														B48		B65		B82	
6	4.95	1	6	3.8	20.0	X	—	707	5.53	9.95	353	4.07	6.51	—	—	—	—	21.7	0.87
7	4.96	1	6	4.8	25.0	X	—	705	9.02	13.19	352	6.66	8.61	—	—	—	—	—	—
8	4.96	1	10	5.8	30.0	X	—	705	12.30	17.14	352	9.24	11.15	—	—	—	—	—	—
9	4.97	1	10	7.4	38.0	X	X	—	—	—	352	13.08	15.30	—	—	—	—	—	—
10	5.04	1	4	4.4	23.4	X	—	694	7.49	11.81	347	5.58	7.79	—	—	—	—	17.5	0.81
														B48		B65		B82	
11	5.05	1	6	3.4	18.4	X	—	693	4.18	8.61	346	3.20	5.63	—	—	14.4	0.78	23.6	0.89
12	5.10	1	4	5.2	27.8	X	—	686	10.43	14.85	343	7.71	9.51	—	—	—	—	—	—
13	5.13	1	10	5.6	30.0	X	X	682	11.71	16.41	341	8.74	10.61	—	—	—	—	—	—
14	5.16	1	6	4.6	25.0	X	—	678	8.27	12.38	339	6.12	8.20	—	—	—	—	—	—
15	5.17	1	1	7.1	38.0	X	X	—	—	—	338	12.39	14.54	—	—	—	—	—	—
														B48		B65		B82	
16	5.20	1	6	3.6	20.0	X	—	673	4.87	9.29	336	3.64	6.07	—	—	—	—	21.8	0.87
17	5.20	1	2	5.1	27.8	X	X	673	10.09	14.44	336	7.45	9.24	—	—	—	—	—	—
18	5.24	1	10	7.0	38.0	X	—	—	—	—	333	12.16	14.29	—	—	—	—	—	—
19	5.26	1	4	4.2	23.4	X	—	665	6.79	11.21	332	5.04	7.37	—	—	—	—	17.7	0.81
20	5.30	1	4	5.0	27.8	X	—	660	9.74	14.03	330	7.19	9.01	—	—	—	—	—	—
														B48		B65		B82	
21	5.31	1	10	5.4	30.0	X	X	659	11.08	15.64	329	8.23	10.06	—	—	—	—	—	—
22	5.31	1	1	6.9	38.0	X	X	—	—	—	329	11.92	14.03	—	—	—	—	—	—
23	5.34	1	2	3.2	18.4	X	—	655	3.48	7.91	327	2.76	5.18	—	—	14.5	0.78	23.7	0.89
24	5.38	1	2	4.1	23.4	X	—	650	6.48	10.90	325	4.76	7.16	—	—	—	—	17.7	0.81
25	5.38	1	6	4.4	25.0	X	—	650	7.49	11.81	325	5.58	7.79	—	—	—	—	—	—
														B48		B65		B82	
26	5.39	1	10	6.8	38.0	X	—	—	—	—	324	11.69	13.78	—	—	—	—	—	—
27	5.40	1	2	4.9	27.8	X	X	648	9.38	13.61	324	6.92	8.81	—	—	—	—	—	—
28	5.48	1	6	3.4	20.0	X	—	638	4.18	8.61	319	3.20	5.63	—	—	—	—	22.0	0.87
29	5.50	1	4	4.8	27.8	X	—	636	9.02	13.19	318	6.66	8.61	—	—	—	—	—	—
30	5.50	1	6	5.2	30.0	X	—	636	10.43	14.85	318	7.71	9.51	—	—	—	—	—	—
														B48		B65		B82	
31	5.51	1	4	4.0	23.4	X	—	635	6.17	10.59	317	4.50	6.94	—	—	—	—	17.8	0.81
32	5.55	1	10	6.6	38.0	X	X	630	14.31	19.82	315	11.21	13.26	—	—	—	—	—	—
33	5.61	1	2	5.1	30.0	X	X	623	10.09	14.44	311	7.45	9.24	—	—	—	—	—	—
34	5.62	1	6	4.2	25.0	X	—	622	6.79	11.21	311	5.04	7.37	—	—	—	—	—	—
35	5.64	1	2	3.9	23.4	X	X	620	5.85	10.28	310	4.29	6.73	—	—	—	—	17.9	0.80
														B48		B65		B82	
36	5.66	1	2	3.0	18.4	X	X	618	2.75	7.18	309	2.31	4.73	—	—	14.6	0.78	23.9	0.89
37	5.71	1	6	5.0	30.0	X	—	612	9.74	14.03	306	7.19	9.01	—	—	—	—	—	—
38	5.71	1	10	6.4	38.0	X	X	612	13.86	19.19	306	10.73	12.74	—	—	—	—	—	—
39	5.73	1	4	4.6	27.8	X	—	610	8.27	12.38	305	6.12	8.20	—	—	—	—	—	—
40	5.75	1	2	4.1	25.0	X	—	608	6.48	10.90	304	4.76	7.16	—	—	—	—	15.7	0.75
														B48		B65		B82	
41	5.78	1	4	3.8	23.4	X	—	605	5.53	9.95	302	4.07	6.51	—	—	—	—	17.9	0.80
42	5.80	1	2	3.2	20.0	X	—	603	3.48	7.91	301	2.76	5.18	—	—	—	—	22.1	0.87
43	5.82	1	2	4.9	30.0	X	X	601	9.38	13.61	300	6.92	8.81	—	—	—	—	—	—
44	5.88	1	6	4.0	25.0	X	—	595	6.17	10.59	297	4.50	6.94	—	—	—	—	15.7	0.75
45	5.89	1	10	6.2	38.0	X	—	594	13.38	18.54	297	10.24	12.22	—	—	—	—	—	—
														B48		B65		B82	
46	5.94	1	6	4.8	30.0	X	—	589	9.02	13.19	294	6.66	8.61	—	—	—	—	—	—
47	5.97	1	4	4.4	27.8	X	—	586	7.49	11.81	293	5.58	7.79	—	—	—	—	—	—
48	5.98	1	2	6.1	38.0	X	X	585	13.12	18.20	292	9.99	11.95	—	—	—	—	—	—
49	6.02	1	2	3.9	25.0	X	X	581	5.85	10.28	290	4.29	6.73	—	—	—	—	15.8	0.75
50	6.07	1	4	3.6	23.4	X	—	576	4.87	9.29	288	3.64	6.07	—	—	—	—	18.0	0.80
														B48		B65		B82	
51	6.07	1	10	6.0	38.0	X	X	576	12.86	17.86	288	9.75	11.68	—	—	—	—	—	—
52	6.15	1	2	3.0	20.0	X	X	569	2.75	7.18	284	2.31	4.73	—	—	—	—	22.2	0.87
53	6.17	1	6	3.8	25.0	X	—	567	5.53	9.95	283	4.07	6.51	—	—	—	—	15.9	0.75
54	6.17	1	2	5.9	38.0	X	X	567	12.58	17.50	283	9.50	11.42	—	—	—	—	—	—
55	6.18	1	6	4.6	30.0	X	—	566	8.27	12.38	283	6.12	8.20	—	—	—	—	—	—
														B48		B65		B82	
56	6.24	1	4	4.2	27.8	X	—	560	6.79	11.21	280	5.04	7.37	—	—	—	—	—	—
57	6.27	1	10	5.8	38.0	X	—	558	12.30	17.14	279	9.24	11.15	—	—	—	—	—	—
58	6.38	1	2	4.1	27.8	X	—	548	6.48	10.90	274	4.76	7.16	—	—	—	—	—	—
59	6.40	1	4	3.4	23.4	X	—	546	4.18	8.61	273	3.20	5.63	—	—	—	—	18.2	0.80
60	6.44	1	6	4.4	30.0	X	—	543	7.49	11.81	271	5.58	7.79	—	—	19.2	0.72	—	—
														B48		B65		B82	
61	6.48	1	6	3.6	25.0	X	—	540	4.87	9.29	270	3.64	6.07	—	—	—	—	16.0	0.74
62	6.49	1	10	5.6	38.0	X	X	539	11.71	16.41	269	8.74	10.61	—	—	—	—	—	—
63	6.53	1	4	4.0	27.8	X	—	535	6.17	10.59	267	4.50	6.94	—	—	—	—	—	—
64	6.69	1	2	3.9	27.8	X	X	523	5.85	10.28	261	4.29	6.73	—	—	—	—	—	—
65	6.71	1	10	5.4	38.0	X	X	521	11.08	15.64	260	8.23	10.06	—	—	—	—	—	—
														B42		B55		B70	
66	6.73	1	6	4.2	30.0	X	—	520	6.79	11.21	260	5.04	7.37	—	—	—	—	—	—
67	6.77	1	2	3.2	23.4	X	—	516	3.48	7.91	258	2.76	5.18	—	—	—	—	—	—
68	6.83	1	6	3.4	25.0	X	—	512	4.18	8.61	256	3.20	5.63	—	—	—	—	—	—
69	6.85	1	4	3.8	27.8	X	—	510	5.53	9.95	255	4.07	6.51	—	—	—	—	—	—
70	6.88	1	2	4.1	30.0	X	—	508	6.48	10.90	254	4.76	7.16	—	—	—	—	—	—
														B48		B65		B82	
71	6.96	1	6	5.2	38.0	X	—	502	10.43	14.85	251	7.71	9.51	—	—	—	—	23.2	0.73
72	7.04	1	6	4.0	30.0	X	—	497	6.17	10.59	248	4.50	6.94	—	—	21.1	0.74	—	—
73	7.09	1	2	5.1	38.0	X	X	493	10.09	14.44	246	7.45	9.24	—	—	—	—	23.6	0.73
74	7.18	1	2	3.0	23.4	X	X	487	2.75	7.18	243	2.31	4.73	—	—	—	—	18.4	0.80
75	7.20	1	4	3.6	27.8	X	—	486	4.87	9.29	243	3.64	6.07	—	—	—	—	—	—

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts

Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
B89		**B105**		**B120**		**B136**		**B150**		**B162**		**B180**		**B195**		**B210**		
21.4	0.87	29.9	0.93	37.8	0.98	46.0	1.02	53.1	1.04	59.2	1.08	68.3	1.10	75.8	1.12	83.4	1.14	1
19.4	0.83	28.1	0.91	36.0	0.97	44.3	1.01	51.4	1.04	57.6	1.07	66.7	1.10	74.2	1.12	81.8	1.13	2
—	—	22.0	0.84	30.3	0.93	38.9	0.98	46.1	1.01	52.3	1.05	61.5	1.08	69.2	1.10	76.8	1.12	3
—	—	24.8	0.89	32.9	0.95	41.3	0.99	48.5	1.02	54.7	1.06	63.9	1.09	71.5	1.11	79.0	1.13	4
29.8	0.93	37.9	0.98	45.5	1.02	53.6	1.05	60.6	1.07	66.7	1.10	75.7	1.12	83.2	1.14	90.8	1.15	5
B100		**B116**		**B133**		**B150**		**B173**		**B195**		**B210**		**B225**		**B240**		
31.2	0.94	39.4	0.99	48.0	1.03	56.6	1.06	68.2	1.10	79.3	1.13	86.8	1.15	93.6	1.16	101.1	1.20	6
25.5	0.89	34.0	0.96	42.8	1.00	51.5	1.04	63.2	1.09	74.3	1.12	81.9	1.13	88.7	1.15	96.2	1.19	7
19.1	0.79	28.2	0.91	37.3	0.97	46.2	1.01	58.0	1.07	69.2	1.10	76.8	1.12	83.7	1.14	91.2	1.18	8
—	—	—	—	27.6	0.88	37.1	0.96	49.4	1.03	60.8	1.07	68.6	1.09	75.5	1.11	83.1	1.15	9
27.4	0.91	35.8	0.97	44.6	1.01	53.2	1.04	64.9	1.09	76.0	1.12	83.5	1.14	90.3	1.15	97.9	1.19	10
B100		**B116**		**B133**		**B150**		**B173**		**B195**		**B210**		**B225**		**B240**		
32.9	0.95	41.1	1.00	49.7	1.03	58.3	1.06	69.9	1.11	80.9	1.13	88.5	1.15	95.2	1.16	102.8	1.20	11
22.1	0.85	30.9	0.94	39.9	0.99	48.7	1.02	60.4	1.08	71.6	1.11	79.2	1.13	86.0	1.14	93.6	1.18	12
19.2	0.79	28.3	0.91	37.5	0.97	46.4	1.01	58.2	1.07	69.4	1.10	77.0	1.12	83.8	1.14	91.4	1.17	13
25.6	0.89	34.1	0.96	43.0	1.00	51.7	1.04	63.3	1.09	74.5	1.12	82.0	1.13	88.8	1.15	96.4	1.19	14
—	—	—	—	27.8	0.88	37.3	0.96	49.6	1.03	61.0	1.07	68.8	1.09	75.7	1.11	83.3	1.15	15
B100		**B116**		**B133**		**B150**		**B173**		**B195**		**B210**		**B225**		**B240**		
31.3	0.94	39.5	0.99	48.2	1.03	56.8	1.06	68.4	1.10	79.5	1.13	87.0	1.15	93.8	1.16	101.3	1.20	16
22.2	0.85	31.0	0.94	40.0	0.99	48.8	1.02	60.5	1.08	71.7	1.11	79.3	1.13	86.1	1.14	93.6	1.18	17
—	—	—	—	27.8	0.88	37.4	0.96	49.7	1.03	61.1	1.07	68.8	1.09	75.7	1.11	83.4	1.15	18
27.6	0.91	36.0	0.97	44.7	1.01	53.4	1.04	65.0	1.09	76.1	1.12	83.7	1.14	90.5	1.15	98.0	1.19	19
22.3	0.85	31.1	0.94	40.0	0.99	48.8	1.02	60.6	1.08	71.7	1.11	79.3	1.13	86.1	1.14	93.7	1.18	20
B100		**B116**		**B133**		**B150**		**B173**		**B195**		**B210**		**B225**		**B240**		
19.3	0.79	28.5	0.91	37.6	0.97	46.5	1.01	58.3	1.07	69.5	1.10	77.1	1.12	84.0	1.13	91.5	1.17	21
—	—	—	—	27.9	0.88	37.4	0.96	49.7	1.03	61.2	1.07	68.9	1.09	75.8	1.11	83.5	1.15	22
33.1	0.95	41.2	1.00	49.9	1.03	58.4	1.06	70.0	1.11	81.1	1.13	88.6	1.15	95.4	1.16	102.9	1.20	23
27.6	0.91	36.0	0.97	44.8	1.01	53.4	1.04	65.1	1.09	76.2	1.12	83.8	1.14	90.5	1.15	98.1	1.19	24
25.8	0.89	34.3	0.96	43.1	1.00	51.8	1.04	63.5	1.09	74.6	1.12	82.2	1.13	89.0	1.15	96.5	1.19	25
B100		**B116**		**B133**		**B150**		**B173**		**B195**		**B210**		**B225**		**B240**		
—	—	—	—	28.0	0.88	37.5	0.96	49.8	1.03	61.2	1.07	69.0	1.09	75.9	1.11	83.5	1.15	26
22.3	0.85	31.1	0.94	40.1	0.99	48.9	1.02	60.7	1.08	71.8	1.11	79.4	1.13	86.2	1.14	93.8	1.18	27
31.4	0.94	39.7	0.99	48.3	1.03	56.9	1.06	68.5	1.10	79.6	1.13	87.1	1.14	93.9	1.16	101.4	1.20	28
22.4	0.85	31.2	0.94	40.2	0.99	49.0	1.02	60.7	1.08	71.9	1.11	79.5	1.13	86.3	1.14	93.9	1.18	29
19.4	0.79	28.6	0.91	37.7	0.97	46.6	1.01	58.5	1.07	69.7	1.10	77.3	1.12	84.1	1.13	91.7	1.17	30
B100		**B116**		**B133**		**B150**		**B173**		**B195**		**B210**		**B225**		**B240**		
27.7	0.91	36.1	0.97	44.8	1.01	53.5	1.04	65.2	1.09	76.3	1.12	83.8	1.14	90.6	1.15	98.2	1.19	31
—	—	—	—	28.1	0.88	37.6	0.96	49.9	1.03	61.4	1.07	69.1	1.09	76.0	1.11	83.7	1.15	32
19.5	0.79	28.7	0.91	37.8	0.97	46.7	1.01	58.5	1.07	69.7	1.10	77.3	1.12	84.2	1.13	91.8	1.17	33
25.9	0.89	34.4	0.96	43.2	1.00	51.9	1.04	63.6	1.09	74.8	1.12	82.3	1.13	89.1	1.15	96.7	1.19	34
27.8	0.91	36.2	0.97	44.9	1.01	53.6	1.04	65.2	1.09	76.3	1.12	83.9	1.14	90.7	1.15	98.2	1.19	35
B100		**B116**		**B133**		**B150**		**B173**		**B195**		**B210**		**B225**		**B240**		
33.2	0.95	41.4	1.00	50.0	1.03	58.6	1.06	70.2	1.11	81.2	1.13	88.8	1.15	95.5	1.16	103.1	1.20	36
19.5	0.78	28.7	0.91	37.9	0.97	46.8	1.01	58.6	1.07	69.8	1.10	77.4	1.12	84.2	1.13	91.8	1.17	37
—	—	—	—	28.2	0.88	37.8	0.96	50.1	1.03	61.5	1.07	69.2	1.09	76.2	1.11	83.8	1.15	38
22.5	0.85	31.3	0.94	40.3	0.99	49.1	1.02	60.9	1.08	72.0	1.11	79.6	1.13	86.4	1.14	94.0	1.18	39
26.0	0.89	34.5	0.96	43.3	1.00	52.0	1.04	63.7	1.09	74.8	1.12	82.4	1.13	89.2	1.15	96.7	1.19	40
B100		**B116**		**B133**		**B150**		**B173**		**B195**		**B210**		**B225**		**B240**		
27.8	0.91	36.2	0.97	45.0	1.01	53.7	1.04	65.3	1.09	76.4	1.12	84.0	1.14	90.8	1.15	98.3	1.19	41
31.6	0.94	39.8	0.99	48.5	1.03	57.1	1.06	68.7	1.10	79.7	1.13	87.3	1.14	94.1	1.16	101.6	1.20	42
19.6	0.78	28.8	0.91	37.9	0.97	46.8	1.01	58.7	1.07	69.9	1.10	77.5	1.12	84.3	1.13	91.9	1.17	43
26.0	0.89	34.5	0.96	43.4	1.00	52.1	1.04	63.8	1.09	74.9	1.12	82.5	1.13	89.3	1.15	96.8	1.18	44
—	—	—	—	28.3	0.88	37.9	0.96	50.2	1.03	61.7	1.07	69.4	1.09	76.3	1.11	83.9	1.15	45
B100		**B116**		**B133**		**B150**		**B173**		**B195**		**B210**		**B225**		**B240**		
19.7	0.78	28.9	0.91	38.0	0.97	46.9	1.01	58.7	1.07	69.9	1.10	77.6	1.12	84.4	1.13	92.0	1.17	46
22.6	0.85	31.5	0.93	40.4	0.98	49.2	1.02	61.0	1.08	72.2	1.11	79.8	1.12	86.6	1.14	94.1	1.18	47
—	—	—	—	28.4	0.87	38.0	0.96	50.3	1.03	61.7	1.07	69.5	1.09	76.4	1.11	84.0	1.15	48
26.1	0.89	34.6	0.96	43.4	1.00	52.1	1.04	63.8	1.09	75.0	1.12	82.5	1.13	89.3	1.15	96.9	1.18	49
28.0	0.91	36.4	0.97	45.1	1.01	53.8	1.04	65.5	1.09	76.6	1.12	84.1	1.14	90.9	1.15	98.5	1.19	50
B100		**B116**		**B133**		**B150**		**B173**		**B195**		**B210**		**B225**		**B240**		
—	—	—	—	28.4	0.87	38.0	0.96	50.3	1.03	61.8	1.07	69.5	1.09	76.4	1.11	84.1	1.15	51
31.7	0.93	39.9	0.99	48.6	1.03	57.2	1.06	68.8	1.10	79.9	1.13	87.4	1.14	94.2	1.16	101.7	1.20	52
26.2	0.89	34.7	0.96	43.5	1.00	52.2	1.04	63.9	1.09	75.0	1.11	82.6	1.13	89.4	1.15	97.0	1.18	53
—	—	—	—	28.5	0.87	38.1	0.95	50.4	1.03	61.9	1.07	69.6	1.09	76.5	1.11	84.2	1.15	54
19.8	0.78	29.0	0.91	38.1	0.97	47.0	1.01	58.9	1.07	70.1	1.10	77.7	1.12	84.5	1.13	92.1	1.17	55
B100		**B116**		**B133**		**B150**		**B173**		**B195**		**B210**		**B225**		**B240**		
22.8	0.85	31.6	0.93	40.6	0.98	49.4	1.02	61.1	1.08	72.3	1.11	79.9	1.12	86.7	1.14	94.3	1.18	56
—	—	—	—	28.6	0.87	38.1	0.95	50.5	1.03	61.9	1.07	69.7	1.09	76.6	1.11	84.2	1.15	57
22.8	0.85	31.6	0.93	40.6	0.98	49.4	1.02	61.2	1.08	72.4	1.11	80.0	1.12	86.8	1.14	94.4	1.18	58
28.1	0.90	36.5	0.97	45.3	1.01	53.9	1.04	65.6	1.09	76.7	1.12	84.3	1.14	91.1	1.15	98.6	1.19	59
19.9	0.78	29.1	0.92	38.3	0.97	47.2	1.01	59.0	1.07	70.2	1.10	77.8	1.12	84.7	1.13	92.3	1.17	60
B100		**B116**		**B133**		**B150**		**B173**		**B195**		**B210**		**B225**		**B240**		
26.3	0.89	34.8	0.96	43.6	1.00	52.4	1.03	64.1	1.09	75.2	1.11	82.8	1.13	89.6	1.15	97.1	1.18	61
—	—	—	—	28.7	0.87	38.3	0.95	50.6	1.03	62.1	1.07	69.8	1.09	76.7	1.11	84.4	1.15	62
22.9	0.85	31.7	0.93	40.7	0.98	49.5	1.02	61.3	1.08	72.5	1.11	80.1	1.12	86.9	1.14	94.4	1.18	63
22.9	0.84	31.8	0.93	40.8	0.98	49.6	1.02	61.4	1.08	72.5	1.11	80.1	1.12	86.9	1.14	94.5	1.18	64
—	—	—	—	28.8	0.87	38.4	0.95	50.7	1.03	62.2	1.07	69.9	1.09	76.9	1.11	84.5	1.15	65
B85		**B100**		**B116**		**B128**		**B144**		**B154**		**B162**		**B173**		**B195**		
—	—	20.0	0.78	29.2	0.92	35.7	0.95	44.2	1.00	49.4	1.03	53.5	1.05	59.1	1.07	70.4	1.10	66
20.0	0.83	28.2	0.90	36.6	0.97	42.8	1.00	51.0	1.03	56.1	1.06	60.2	1.07	65.7	1.09	76.9	1.12	67
17.9	0.78	26.4	0.89	34.9	0.96	41.2	0.99	49.4	1.02	54.5	1.06	58.6	1.07	64.2	1.09	75.3	1.11	68
—	—	23.0	0.84	31.8	0.93	38.2	0.97	46.5	1.01	51.7	1.04	55.8	1.06	61.4	1.07	72.6	1.11	69
—	—	20.1	0.78	29.3	0.92	35.8	0.95	44.2	1.00	49.4	1.03	53.6	1.05	59.2	1.07	70.4	1.10	70
B100		**B116**		**B133**		**B150**		**B173**		**B195**		**B210**		**B225**		**B240**		
—	—	—	—	28.9	0.87	38.5	0.95	50.8	1.03	62.3	1.07	70.1	1.09	77.0	1.11	84.6	1.15	71
20.1	0.78	29.4	0.92	38.5	0.97	47.4	1.01	59.3	1.07	70.5	1.10	78.1	1.12	85.0	1.13	92.5	1.17	72
—	—	—	—	29.0	0.87	38.6	0.95	50.9	1.03	62.4	1.07	70.1	1.09	77.1	1.11	84.7	1.15	73
28.3	0.90	36.8	0.97	45.5	1.01	54.2	1.04	65.9	1.09	77.0	1.12	84.6	1.13	91.4	1.15	98.9	1.19	74
23.1	0.84	32.0	0.93	41.0	0.98	49.8	1.02	61.6	1.07	72.7	1.11	80.3	1.12	87.2	1.14	94.7	1.18	75

For FIXED and VARIABLE Drives

Line No.	Ratio	No of Grooves		Datum Diameter		Type		Nominal Driven Speeds and Horsepower per Belt						Center Distance in Inches and "F" Factor for Browning Belts					
								3500 RPM Driver			1750 RPM Driver			Belt No.		Belt No.		Belt No.	
								Nominal Driven Speed	HP per Belt		Nominal Driven Speed	HP per Belt							
		Min	Max	Driver	Driven	Fix.	Var.		Super	Gripnotch		Super	Gripnotch	C.D.	F	C.D.	F	C.D.	F
														B48		B65		B82	
1	7.21	1	2	3.9	30.0	X	X	485	5.85	10.28	242	4.29	6.73	—	—	21.6	0.75	—	—
2	7.22	1	2	3.2	25.0	X	—	484	3.48	7.91	242	2.76	5.18	—	—	—	—	16.2	0.74
3	7.22	1	6	5.0	38.0	X	—	484	9.74	14.03	242	7.19	9.01	—	—	—	—	24.0	0.74
4	7.36	1	2	4.9	38.0	X	X	475	9.38	13.61	237	6.92	8.81	—	—	—	—	24.5	0.74
5	7.39	1	6	3.8	30.0	X	—	473	5.53	9.95	236	4.07	6.51	—	—	22.1	0.75	—	—
														B48		B65		B82	
6	7.50	1	6	4.8	38.0	X	—	466	9.02	13.19	233	6.66	8.61	—	—	—	—	24.9	0.75
7	7.59	1	4	3.4	27.8	X	—	461	4.18	8.61	230	3.20	5.63	—	—	—	—	—	—
8	7.66	1	2	3.0	25.0	X	X	456	2.75	7.18	228	2.31	4.73	—	—	—	—	16.3	0.74
9	7.76	1	6	3.6	30.0	X	—	451	4.87	9.29	225	3.64	6.07	—	—	23.2	0.76	—	—
10	7.81	1	6	4.6	38.0	X	—	448	8.27	12.38	224	6.12	8.20	—	—	—	—	25.8	0.76
														B48		B65		B82	
11	8.02	1	2	3.2	27.8	X	—	436	3.48	7.91	218	2.76	5.18	—	—	—	—	—	—
12	8.14	1	6	4.4	38.0	X	—	429	7.49	11.81	214	5.58	7.79	—	—	—	—	26.8	0.77
13	8.18	1	6	3.4	30.0	X	—	427	4.18	8.61	213	3.20	5.63	—	—	24.4	0.77	—	—
14	8.51	1	2	3.0	27.8	X	X	411	2.75	7.18	205	2.31	4.73	—	—	—	—	—	—
15	8.51	1	6	4.2	38.0	X	—	411	6.79	11.21	205	5.04	7.37	—	—	—	—	27.8	0.77
														B48		B65		B82	
16	8.65	1	2	3.2	30.0	X	—	404	3.48	7.91	202	2.76	5.18	—	—	25.7	0.78	—	—
17	8.70	1	2	4.1	38.0	X	—	402	6.48	10.90	201	4.76	7.16	—	—	—	—	28.3	0.78
18	8.90	1	6	4.0	38.0	X	—	393	6.17	10.59	196	4.50	6.94	—	—	—	—	28.9	0.78
19	9.11	1	2	3.9	38.0	X	X	384	5.85	10.28	192	4.29	6.73	—	—	—	—	29.4	0.79
20	9.18	1	2	3.0	30.0	X	X	381	2.75	7.18	190	2.31	4.73	—	—	27.0	0.80	—	—
														B48		B65		B82	
21	9.34	1	6	3.8	38.0	X	—	374	5.53	9.95	187	4.07	6.51	—	—	—	—	30.0	0.79
22	9.82	1	6	3.6	38.0	X	—	356	4.87	9.29	178	3.64	6.07	—	—	—	—	31.1	0.80
23	10.35	1	6	3.4	38.0	X	—	338	4.18	8.61	169	3.20	5.63	—	—	—	—	32.4	0.81
24	10.94	1	2	3.2	38.0	X	—	319	3.48	7.91	159	2.76	5.18	—	—	—	—	33.7	0.82
25	11.60	1	2	3.0	38.0	X	X	301	2.75	7.18	150	2.31	4.73	—	—	—	—	35.0	0.83

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts																				Line No.
Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.				
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F			
B100		B116		B133		B150		B173		B195		B210		B225		B240				
20.2	0.78	29.4	0.92	38.6	0.97	47.5	1.01	59.4	1.07	70.6	1.10	78.2	1.12	85.0	1.13	92.6	1.17			1
26.5	0.89	35.1	0.96	43.9	1.00	52.6	1.03	64.3	1.08	75.5	1.11	83.0	1.13	89.9	1.14	97.4	1.18			2
—	—	—	—	29.0	0.87	38.6	0.95	51.0	1.03	62.5	1.07	70.2	1.09	77.1	1.11	84.8	1.15			3
—	—	—	—	29.1	0.87	38.7	0.95	51.0	1.03	62.5	1.07	70.3	1.09	77.2	1.11	84.9	1.15			4
20.3	0.78	29.5	0.92	38.7	0.97	47.6	1.01	59.4	1.07	70.7	1.10	78.3	1.12	85.1	1.13	92.7	1.17			5
B100		B116		B133		B150		B173		B195		B210		B225		B240				
—	—	—	—	29.2	0.87	38.8	0.95	51.1	1.03	62.6	1.07	70.3	1.09	77.3	1.11	84.9	1.15			6
23.3	0.84	32.1	0.93	41.1	0.98	49.9	1.02	61.7	1.07	72.9	1.10	80.5	1.12	87.3	1.14	94.9	1.18			7
26.7	0.89	35.2	0.96	44.0	1.00	52.8	1.03	64.5	1.08	75.6	1.11	83.2	1.13	90.0	1.14	97.5	1.18			8
20.4	0.78	29.6	0.92	38.8	0.97	47.7	1.01	59.6	1.06	70.8	1.10	78.4	1.12	85.3	1.13	92.8	1.17			9
—	—	—	—	29.3	0.87	38.9	0.95	51.2	1.03	62.7	1.07	70.5	1.09	77.4	1.11	85.1	1.15			10
B100		B116		B133		B150		B173		B195		B210		B225		B240				
23.4	0.84	32.2	0.93	41.2	0.98	50.1	1.02	61.8	1.07	73.0	1.10	80.6	1.12	87.5	1.14	95.0	1.18			11
—	—	—	—	29.4	0.87	39.0	0.95	51.4	1.02	62.9	1.07	70.6	1.09	77.5	1.11	85.2	1.15			12
20.5	0.78	29.7	0.92	38.9	0.97	47.8	1.01	59.7	1.06	70.9	1.10	78.6	1.12	85.4	1.13	93.0	1.17			13
23.5	0.84	32.4	0.93	41.4	0.98	50.2	1.02	62.0	1.07	73.2	1.10	80.8	1.12	87.6	1.14	95.2	1.18			14
—	—	—	—	29.5	0.87	39.2	0.95	51.5	1.02	63.0	1.07	70.8	1.09	77.7	1.11	85.4	1.15			15
B100		B116		B133		B150		B173		B195		B210		B225		B240				
20.6	0.78	29.9	0.92	39.0	0.97	48.0	1.01	59.8	1.06	71.1	1.10	78.7	1.12	85.5	1.13	93.1	1.17			16
—	—	—	—	29.6	0.87	39.2	0.95	51.6	1.02	63.1	1.07	70.8	1.09	77.8	1.11	85.4	1.15			17
—	—	—	—	29.7	0.87	39.3	0.95	51.6	1.02	63.1	1.07	70.9	1.09	77.8	1.11	85.5	1.15			18
—	—	—	—	29.7	0.87	39.3	0.95	51.7	1.02	63.2	1.07	71.0	1.09	77.9	1.11	85.6	1.15			19
20.7	0.78	30.0	0.91	39.2	0.96	48.1	1.01	60.0	1.06	71.2	1.10	78.8	1.12	85.7	1.13	93.3	1.17			20
B100		B116		B133		B150		B173		B195		B210		B225		B240				
—	—	—	—	29.8	0.87	39.4	0.95	51.8	1.02	63.3	1.06	71.0	1.09	78.0	1.11	85.6	1.15			21
—	—	—	—	29.9	0.87	39.5	0.95	51.9	1.02	63.4	1.06	71.2	1.09	78.1	1.11	85.8	1.15			22
—	—	—	—	30.0	0.87	39.7	0.95	52.0	1.02	63.5	1.06	71.3	1.09	78.2	1.11	85.9	1.15			23
—	—	—	—	30.1	0.87	39.8	0.95	52.2	1.02	63.7	1.06	71.4	1.09	78.4	1.11	86.0	1.15			24
—	—	—	—	30.3	0.87	39.9	0.95	52.3	1.02	63.8	1.06	71.6	1.09	78.5	1.10	86.2	1.15			25

B

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves		Datum Diameter		Type		Nominal Driven Speeds and Horsepower per Belt						Center Distance in Inches and "F" Factor for Browning Belts					
								1750 RPM Driver			1160 RPM Driver			Belt No.		Belt No,		Belt No,	
		Min	Max	Driver	Driven	Fix.	Var.	Nominal Driven Speed	HP per Belt Super	HP per Belt Gripnotch	Nominal Driven Speed	HP per Belt Super	HP per Belt Gripnotch	C.D.	F	C.D.	F	C.D.	F
														C51		C60		C72	
1	1.00	3	4	5.0	5.0	X	—	1750	4.72	12.16	1160	4.21	9.17	19.1	0.81	23.6	0.84	29.6	0.87
2	1.00	3	4	5.5	5.5	X	—	1750	6.57	13.79	1160	5.58	10.38	18.3	0.81	22.8	0.84	28.8	0.87
3	1.00	1	4	5.6	5.6	X	—	1750	6.94	14.10	1160	5.85	10.62	18.2	0.81	22.7	0.84	28.7	0.87
4	1.00	1	6	6.0	6.0	X	—	1750	8.38	15.36	1160	6.93	11.57	17.5	0.81	22.0	0.84	28.0	0.87
5	1.00	1	8	7.0	7.0	X	—	1750	12.09	18.35	1160	9.69	13.88	16.0	0.81	20.5	0.84	26.5	0.87
														C51		C60		C72	
6	1.00	2	6	7.2	7.2	X	—	1750	12.86	18.93	1160	10.29	14.33	15.6	0.81	20.1	0.84	26.1	0.87
7	1.00	2	6	7.4	7.4	X	—	1750	13.62	19.49	1160	10.88	14.78	15.3	0.81	19.8	0.84	25.8	0.87
8	1.00	1	6	7.5	7.5	X	—	1750	14.00	19.77	1160	11.17	15.00	15.2	0.81	19.7	0.84	25.7	0.87
9	1.00	1	6	7.6	7.6	X	—	1750	14.37	20.05	1160	11.46	15.22	15.0	0.81	19.5	0.84	25.5	0.87
10	1.00	2	6	7.8	7.8	X	—	1750	15.11	20.60	1160	12.05	15.66	14.7	0.81	19.2	0.84	25.2	0.87
														C51		C60		C72	
11	1.00	1	10	8.0	8.0	X	—	1750	15.84	21.13	1160	12.62	16.10	14.4	0.81	18.9	0.84	24.9	0.87
12	1.00	1	6	8.2	8.2	X	—	1750	16.56	21.66	1160	13.20	16.53	14.1	0.81	18.6	0.84	24.6	0.87
13	1.00	2	6	8.4	8.4	X	—	1750	17.27	22.39	1160	13.77	16.96	13.8	0.81	18.3	0.84	24.3	0.87
14	1.00	1	10	8.5	8.5	X	—	1750	17.62	22.77	1160	14.05	17.18	13.6	0.81	18.1	0.84	24.1	0.87
15	1.00	1	10	8.6	8.6	X	—	1750	17.96	23.14	1160	14.33	17.47	13.4	0.81	17.9	0.84	23.9	0.87
														C51		C60		C72	
16	1.00	2	6	8.8	8.8	X	—	1750	18.65	23.88	1160	14.89	18.06	13.1	0.81	17.6	0.84	23.6	0.87
17	1.00	1	12	9.0	9.0	X	X	1750	19.32	24.61	1160	15.45	18.64	12.8	0.81	17.3	0.84	23.3	0.87
18	1.00	2	12	9.2	9.2	X	—	1750	19.98	25.34	1160	16.00	19.21	12.5	0.81	17.0	0.84	23.0	0.87
19	1.00	2	12	9.4	9.4	X	—	1750	20.62	26.05	1160	16.55	19.78	12.2	0.81	16.7	0.84	22.7	0.87
20	1.00	1	12	9.5	9.5	X	—	1750	20.94	26.40	1160	16.82	20.07	12.0	0.81	16.5	0.84	22.5	0.87
														C51		C60		C72	
21	1.00	1	12	9.6	9.6	X	—	1750	21.26	26.75	1160	17.10	20.35	11.9	0.81	16.4	0.84	22.4	0.87
22	1.00	2	12	9.8	9.8	X	—	1750	21.88	27.44	1160	17.64	20.92	11.6	0.81	16.1	0.84	22.1	0.87
23	1.00	1	12	10.0	10.0	X	X	1750	22.49	28.12	1160	18.17	21.48	—	—	15.8	0.84	21.8	0.87
24	1.00	2	12	10.2	10.2	X	x	1750	23.09	28.79	1160	18.70	22.04	—	—	15.4	0.84	21.4	0.87
25	1.00	1	12	10.5	10.5	X	—	1750	23.96	29.78	1160	19.49	22.87	—	—	15.0	0.84	21.0	0.87
														C51		C68		C85	
26	1.00	1	12	10.6	10.6	X	—	1750	24.24	30.10	1160	19.75	23.14	—	—	14.8	0.84	20.8	0.87
27	1.00	1	12	11.0	11.0	X	X	1750	25.35	31.37	1160	20.78	24.23	—	—	14.2	0.84	20.2	0.87
28	1.00	2	6	11.4	11.4	X	—	1750	26.39	32.58	1160	21.79	25.30	—	—	13.6	0.84	19.6	0.87
29	1.00	1	12	12.0	12.0	X	—	1750	27.86	34.32	1160	23.27	26.88	—	—	—	—	18.6	0.87
30	1.00	1	12	13.0	13.0	X	—	1750	30.00	36.98	1160	25.64	29.43	—	—	—	—	17.0	0.87
														C51		C68		C85	
31	1.00	1	12	14.0	14.0	X	—	—	—	—	1160	27.88	31.87	—	—	—	—	22.0	0.91
32	1.00	3	12	15.0	15.0	X	—	—	—	—	1160	29.99	34.20	—	—	—	—	20.4	0.91
33	1.00	1	12	16.0	16.0	X	—	—	—	—	1160	31.96	36.41	—	—	—	—	18.8	0.91
34	1.00	1	12	18.0	18.0	X	—	—	—	—	1160	35.46	40.47	—	—	—	—	—	—
35	1.00	1	12	20.0	20.0	X	—	—	—	—	1160	38.33	44.01	—	—	—	—	—	—
														C51		C60		C72	
36	1.01	3	4	5.5	5.6	X	—	1732	6.71	13.79	1148	5.67	10.38	18.2	0.81	22.7	0.84	28.7	0.86
37	1.01	2	6	7.4	7.5	X	—	1732	13.85	19.49	1148	11.03	14.78	15.3	0.81	19.8	0.84	25.8	0.86
38	1.01	1	6	7.5	7.6	X	—	1732	14.23	19.77	1148	11.32	15.00	15.1	0.81	19.6	0.84	25.6	0.86
39	1.01	2	6	8.4	8.5	X	—	1732	17.50	22.58	1148	13.92	17.01	13.7	0.81	18.2	0.84	24.2	0.86
40	1.01	1	10	8.5	8.6	X	—	1732	17.84	22.95	1148	14.20	17.31	13.5	0.81	18.0	0.84	24.0	0.86
														C51		C60		C72	
41	1.01	2	12	9.4	9.5	X	—	1732	20.85	26.24	1148	16.70	19.91	12.1	0.81	16.6	0.84	22.6	0.86
42	1.01	1	12	9.5	9.6	X	—	1732	21.17	26.59	1148	16.98	20.20	12.0	0.81	16.5	0.84	22.5	0.86
43	1.01	2	12	9.8	10.0	X	—	1732	22.11	27.63	1148	17.79	21.04	11.4	0.81	15.9	0.84	21.9	0.86
44	1.01	2	12	10.0	10.2	X	X	1732	22.72	28.31	1148	18.32	21.61	—	—	15.6	0.84	21.6	0.86
45	1.02	2	6	7.0	7.2	X	—	1715	12.32	18.57	1137	9.84	14.02	15.8	0.81	20.3	0.84	26.3	0.86
														C51		C60		C72	
46	1.02	2	6	7.2	7.4	X	—	1715	13.09	19.14	1137	10.44	14.47	15.5	0.81	20.0	0.84	26.0	0.86
47	1.02	2	6	7.4	7.6	X	—	1715	13.85	19.70	1137	11.03	14.92	15.2	0.81	19.7	0.84	25.7	0.86
48	1.02	2	6	7.6	7.8	X	—	1715	14.60	20.26	1137	11.62	15.36	14.9	0.81	19.4	0.84	25.4	0.86
49	1.02	2	6	7.8	8.0	X	—	1715	15.34	20.81	1137	12.20	15.80	14.5	0.81	19.0	0.84	25.0	0.86
50	1.02	1	6	8.0	8.2	X	—	1715	16.07	21.35	1137	12.78	16.24	14.2	0.81	18.7	0.84	24.7	0.86
														C51		C60		C72	
51	1.02	2	6	8.2	8.4	X	—	1715	16.79	21.88	1137	13.35	16.67	13.9	0.81	18.4	0.84	24.4	0.86
52	1.02	2	6	8.4	8.6	X	—	1715	17.50	22.58	1137	13.92	17.10	13.6	0.81	18.1	0.84	24.1	0.86
53	1.02	2	6	8.6	8.8	X	—	1715	18.19	23.33	1137	14.48	17.60	13.3	0.81	17.8	0.04	23.8	0.86
54	1.02	2	6	8.8	9.0	X	—	1715	18.87	24.07	1137	15.05	18.18	13.0	0.81	17.5	0.84	23.5	0.86
55	1.02	2	12	9.0	9.2	X	X	1715	19.55	24.80	1137	15.60	18.76	12.7	0.81	17.2	0.84	23.2	0.86
														C51		C60		C72	
56	1.02	2	12	9.2	9.4	X	—	1715	20.21	25.53	1137	16.16	19.34	12.3	0.81	16.8	0.84	22.8	0.86
57	1.02	2	12	9.4	9.6	X	—	1715	20.85	26.24	1137	16.70	19.91	12.0	0.81	16.5	0.84	22.5	0.86
58	1.02	2	12	9.6	9.8	X	—	1715	21.49	26.94	1137	17.25	20.48	11.7	0.81	16.2	0.84	22.2	0.86
59	1.02	2	12	10.2	10.5	X	X	1715	23.32	28.98	1137	18.85	22.16	—	—	15.2	0.83	21.2	0.86
60	1.03	2	6	7.2	7.5	X	—	1699	13.32	19.14	1126	10.59	14.47	15.4	0.81	19.9	0.84	25.9	0.86
														C51		C60		C72	
61	1.03	2	6	7.5	7.8	X	—	1699	14.45	19.98	1126	11.47	15.14	14.9	0.81	19.4	0.84	25.4	0.86
62	1.03	1	6	8.2	8.5	X	—	1699	17.02	21.88	1126	13.50	16.67	13.8	0.81	18.3	0.84	24.3	0.86
63	1.03	2	6	8.5	8.8	X	—	1699	18.07	22.95	1126	14.35	17.31	13.4	0.81	17.9	0.84	23.9	0.86
64	1.03	2	12	9.2	9.5	X	—	1699	20.43	25.53	1126	16.31	19.34	12.3	0.81	16.8	0.84	22.8	0.86
65	1.03	2	12	9.5	9.8	X	—	1699	21.40	26.59	1126	17.13	20.20	11.8	0.81	16.3	0.84	22.3	0.86
														C51		C60		C72	
66	1.03	2	12	9.8	10.2	X	—	1699	22.34	27.63	1126	17.94	21.04	—	—	15.7	0.83	21.7	0.86
67	1.03	2	12	10.2	10.6	X	X	1699	23.55	28.98	1126	19.00	22.16	—	—	15.1	0.83	21.1	0.86
68	1.03	1	12	10.6	11.0	X	—	1699	24.70	30.29	1126	20.05	23.27	—	—	14.5	0.83	20.5	0.86
69	1.03	2	6	11.0	11.4	X	X	1699	25.80	31.55	1126	21.08	24.35	—	—	13.9	0.83	19.9	0.86
70	1.04	2	6	7.8	8.2	X	—	1682	15.64	20.87	1115	12.39	15.80	14.4	0.81	18.9	0.83	24.9	0.86
														C51		C60		C72	
71	1.04	2	6	8.0	8.4	X	—	1682	16.37	21.41	1115	12.97	16.24	14.1	0.81	18.6	0.83	24.6	0.86
72	1.04	1	6	8.2	8.6	X	—	1682	17.09	22.06	1115	13.55	16.67	13.8	0.81	18.3	0.83	24.3	0.86
73	1.04	2	6	8.4	8.8	X	—	1682	17.79	22.82	1115	14.12	17.18	13.4	0.81	17.9	0.83	23.9	0.86
74	1.04	1	10	8.6	9.0	X	—	1682	18.49	23.58	1115	14.68	17.76	13.1	0.81	17.6	0.83	23.6	0.86
75	1.04	2	6	8.8	9.2	X	—	1682	19.17	24.32	1115	15.24	18.35	12.8	0.81	17.3	0.83	23.3	0.86

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts

Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
C81		C90		C105		C115		C128		C144		C158		C173		C195		
34.1	0.88	38.6	0.91	46.1	0.94	51.1	0.97	57.6	0.99	65.6	1.01	72.6	1.02	80.1	1.04	91.1	1.08	1
33.3	0.88	37.8	0.91	45.3	0.94	50.3	0.97	56.8	0.99	64.8	1.01	71.8	1.02	79.3	1.04	90.3	1.08	2
33.2	0.88	37.7	0.91	45.2	0.94	50.2	0.97	56.7	0.99	64.7	1.01	71.7	1.02	79.2	1.04	90.2	1.08	3
32.5	0.88	37.0	0.91	44.5	0.94	49.5	0.97	56.0	0.99	64.0	1.01	71.0	1.02	78.5	1.04	89.5	1.08	4
31.0	0.88	35.5	0.91	43.0	0.94	48.0	0.97	54.5	0.99	62.5	1.01	69.5	1.02	77.0	1.04	88.0	1.08	5
C81		C90		C105		C115		C128		C144		C158		C173		C195		
30.6	0.88	35.1	0.91	42.6	0.94	47.6	0.97	54.1	0.99	62.1	1.01	69.1	1.02	76.6	1.04	87.6	1.08	6
30.3	0.88	34.8	0.91	42.3	0.94	47.3	0.97	53.8	0.99	61.8	1.01	68.8	1.02	76.3	1.04	87.3	1.08	7
30.2	0.88	34.7	0.91	42.2	0.94	47.2	0.97	53.7	0.99	61.7	1.01	68.7	1.02	76.2	1.04	87.2	1.08	8
30.0	0.88	34.5	0.91	42.0	0.94	47.0	0.97	53.5	0.99	61.5	1.01	68.5	1.02	76.0	1.04	87.0	1.08	9
29.7	0.88	34.2	0.91	41.7	0.94	46.7	0.97	53.2	0.99	61.2	1.01	68.2	1.02	75.7	1.04	86.7	1.08	10
C81		C90		C105		C115		C128		C144		C158		C173		C195		
29.4	0.88	33.9	0.91	41.4	0.94	46.4	0.97	52.9	0.99	60.9	1.01	67.9	1.02	75.4	1.04	86.4	1.08	11
29.1	0.88	33.6	0.91	41.1	0.94	46.1	0.97	52.6	0.99	60.6	1.01	67.6	1.02	75.1	1.04	86.1	1.08	12
28.8	0.88	33.3	0.91	40.8	0.94	45.8	0.97	52.3	0.99	60.3	1.01	67.3	1.02	74.8	1.04	85.8	1.08	13
28.6	0.88	33.1	0.91	40.6	0.94	45.6	0.97	52.1	0.99	60.1	1.01	67.1	1.02	74.6	1.04	85.6	1.08	14
28.4	0.88	32.9	0.91	40.4	0.94	45.4	0.97	51.9	0.99	59.9	1.01	66.9	1.02	74.4	1.04	85.4	1.08	15
C81		C90		C105		C115		C128		C144		C158		C173		C195		
28.1	0.88	32.6	0.91	40.1	0.94	45.1	0.97	51.6	0.99	59.6	1.01	66.6	1.02	74.1	1.04	85.1	1.08	16
27.8	0.88	32.3	0.91	39.8	0.94	44.8	0.97	51.3	0.99	59.3	1.01	66.3	1.02	73.8	1.04	84.8	1.08	17
27.5	0.88	32.0	0.91	39.5	0.94	44.5	0.97	51.0	0.99	59.0	1.01	66.0	1.02	73.5	1.04	84.5	1.08	18
27.2	0.88	31.7	0.91	39.2	0.94	44.2	0.97	50.7	0.99	58.7	1.01	65.7	1.02	73.2	1.04	84.2	1.08	19
27.0	0.88	31.5	0.91	39.0	0.94	44.0	0.97	50.5	0.99	58.5	1.01	65.5	1.02	73.0	1.04	84.0	1.08	20
C81		C90		C105		C115		C128		C144		C158		C173		C195		
26.9	0.88	31.4	0.91	38.9	0.94	43.9	0.97	50.4	0.99	58.4	1.01	65.4	1.02	72.9	1.04	83.9	1.08	21
26.6	0.88	31.1	0.91	38.6	0.94	43.6	0.97	50.1	0.99	58.1	1.01	65.1	1.02	72.6	1.04	83.6	1.08	22
26.3	0.88	30.8	0.91	38.3	0.94	43.3	0.97	49.8	0.99	57.8	1.01	64.8	1.02	72.3	1.04	83.3	1.08	23
25.9	0.88	30.4	0.91	37.9	0.94	42.9	0.97	49.4	0.99	57.4	1.01	64.4	1.02	71.9	1.04	82.9	1.08	24
25.5	0.88	30.0	0.91	37.5	0.94	42.5	0.97	49.0	0.99	57.0	1.01	64.0	1.02	71.5	1.04	82.5	1.08	25
C81		C90		C105		C115		C128		C144		C158		C173		C195		
25.3	0.88	29.8	0.91	37.3	0.94	42.3	0.97	48.8	0.99	56.8	1.01	63.8	1.02	71.3	1.04	82.3	1.08	26
24.7	0.88	29.2	0.91	36.7	0.94	41.7	0.97	48.2	0.99	56.2	1.01	63.2	1.02	70.7	1.04	81.7	1.08	27
24.1	0.88	28.6	0.91	36.1	0.94	41.1	0.97	47.6	0.99	55.6	1.01	62.6	1.02	70.1	1.04	81.1	1.08	28
23.1	0.88	27.6	0.91	35.1	0.94	40.1	0.97	46.6	0.99	54.6	1.01	61.6	1.02	69.1	1.04	80.1	1.08	29
21.5	0.88	26.0	0.91	33.5	0.94	38.5	0.97	45.0	0.99	53.0	1.01	60.0	1.02	67.5	1.04	78.5	1.08	30
C100		C115		C128		C144		C162		C180		C195		C210		C225		
29.5	0.93	37.0	0.97	43.5	0.99	51.5	1.01	60.5	1.03	69.5	1.06	77.0	1.08	84.5	1.09	91.0	1.10	31
27.9	0.93	35.4	0.97	41.9	0.99	49.9	1.01	58.9	1.03	67.9	1.06	75.4	1.08	82.9	1.09	89.4	1.10	32
26.3	0.93	33.8	0.97	40.3	0.99	48.3	1.01	57.3	1.03	66.3	1.06	73.8	1.08	81.3	1.09	87.8	1.10	33
23.2	0.93	30.7	0.97	37.2	0.99	45.2	1.01	54.2	1.03	63.2	1.06	70.7	1.08	78.2	1.09	84.7	1.10	34
—	—	27.6	0.97	34.1	0.99	42.1	1.01	51.1	1.03	60.1	1.06	67.6	1.08	75.1	1.09	81.6	1.10	35
C81		C90		C105		C115		C128		C144		C158		C173		C195		
33.2	0.88	37.7	0.91	45.2	0.94	50.2	0.97	56.7	0.99	64.7	1.01	71.7	1.02	79.2	1.04	90.2	1.08	36
30.3	0.88	34.8	0.91	42.3	0.94	47.3	0.97	53.8	0.99	61.8	1.01	68.8	1.02	76.3	1.04	87.3	1.08	37
30.1	0.88	34.6	0.91	42.1	0.94	47.1	0.97	53.6	0.99	61.6	1.01	68.6	1.02	76.1	1.04	87.1	1.08	38
28.7	0.88	33.2	0.91	40.7	0.94	45.7	0.97	52.2	0.99	60.2	1.01	67.2	1.02	74.7	1.04	85.7	1.08	39
28.5	0.88	33.0	0.91	40.5	0.94	45.5	0.97	52.0	0.99	60.0	1.01	67.0	1.02	74.5	1.04	85.5	1.08	40
C81		C90		C105		C115		C128		C144		C158		C173		C195		
27.1	0.88	31.6	0.91	39.1	0.94	44.1	0.97	50.6	0.99	58.6	1.01	65.6	1.02	73.1	1.04	84.1	1.08	41
27.0	0.88	31.5	0.91	39.0	0.94	44.0	0.97	50.5	0.99	58.5	1.01	65.5	1.02	73.0	1.04	84.0	1.08	42
26.4	0.88	30.9	0.91	38.4	0.94	43.4	0.97	49.9	0.99	57.9	1.01	64.9	1.02	72.4	1.04	83.4	1.08	43
26.1	0.88	30.6	0.91	38.1	0.94	43.1	0.97	49.6	0.99	57.6	1.01	64.6	1.02	72.1	1.04	83.1	1.08	44
30.8	0.88	35.3	0.91	42.8	0.94	47.8	0.97	54.3	0.99	62.3	1.01	69.3	1.02	76.8	1.04	87.8	1.08	45
C81		C90		C105		C115		C128		C144		C158		C173		C195		
30.5	0.88	35.0	0.91	42.5	0.94	47.5	0.97	54.0	0.99	62.0	1.01	69.0	1.02	76.5	1.04	87.5	1.08	46
30.2	0.88	34.7	0.91	42.2	0.94	47.2	0.97	53.7	0.99	61.7	1.01	68.7	1.02	76.2	1.04	87.2	1.08	47
29.9	0.88	34.4	0.91	41.9	0.94	46.9	0.97	53.4	0.99	61.4	1.01	68.4	1.02	75.9	1.04	86.9	1.08	48
29.5	0.88	34.0	0.91	41.5	0.94	46.5	0.97	53.0	0.99	61.0	1.01	68.0	1.02	75.5	1.04	86.5	1.08	49
29.2	0.88	33.7	0.91	41.2	0.94	46.2	0.97	52.7	0.99	60.7	1.01	67.7	1.02	75.2	1.04	86.2	1.08	50
C81		C90		C105		C115		C128		C144		C158		C173		C195		
28.9	0.88	33.4	0.91	40.9	0.94	45.9	0.97	52.4	0.99	60.4	1.01	67.4	1.02	74.9	1.04	85.9	1.08	51
28.6	0.88	33.1	0.91	40.6	0.94	45.6	0.97	52.1	0.99	60.1	1.01	67.1	1.02	74.6	1.04	85.6	1.08	52
28.3	0.88	32.8	0.91	40.3	0.94	45.3	0.97	51.8	0.99	59.8	1.01	66.8	1.02	74.3	1.04	85.3	1.08	53
28.0	0.88	32.5	0.91	40.0	0.94	45.0	0.97	51.5	0.99	59.5	1.01	66.5	1.02	74.0	1.04	85.0	1.08	54
27.7	0.88	32.2	0.91	39.7	0.94	44.7	0.97	51.2	0.99	59.2	1.01	66.2	1.02	73.7	1.04	84.7	1.08	55
C81		C90		C105		C115		C128		C144		C158		C173		C195		
27.3	0.88	31.8	0.91	39.3	0.94	44.3	0.97	50.8	0.99	58.8	1.01	65.8	1.02	73.3	1.04	84.3	1.08	56
27.0	0.88	31.5	0.91	39.0	0.94	44.0	0.97	50.5	0.99	58.5	1.01	65.5	1.02	73.0	1.04	84.0	1.08	57
26.7	0.88	31.2	0.91	38.7	0.94	43.7	0.97	50.2	0.99	58.2	1.01	65.2	1.02	72.7	1.04	83.7	1.08	58
25.7	0.88	30.2	0.91	37.7	0.94	42.7	0.97	49.2	0.99	57.2	1.01	64.2	1.02	71.7	1.04	82.7	1.07	59
30.4	0.88	34.9	0.91	42.4	0.94	47.4	0.97	53.9	0.99	61.9	1.01	68.9	1.02	76.4	1.04	87.4	1.07	60
C81		C90		C105		C115		C128		C144		C158		C173		C195		
29.9	0.88	34.4	0.91	41.9	0.94	46.9	0.97	53.4	0.99	61.4	1.01	68.4	1.02	75.9	1.04	86.9	1.07	61
28.8	0.88	33.3	0.91	40.8	0.94	45.8	0.97	52.3	0.99	60.3	1.01	67.3	1.02	74.8	1.04	85.8	1.07	62
28.4	0.88	32.9	0.91	40.4	0.94	45.4	0.97	51.9	0.99	59.9	1.01	66.9	1.02	74.4	1.04	85.4	1.07	63
27.3	0.88	31.8	0.91	39.3	0.94	44.3	0.97	50.8	0.99	58.8	1.01	65.8	1.02	73.3	1.04	84.3	1.07	64
26.8	0.88	31.3	0.91	38.8	0.94	43.8	0.97	50.3	0.99	58.3	1.01	65.3	1.02	72.8	1.04	83.8	1.07	65
C81		C90		C105		C115		C128		C144		C158		C173		C195		
26.2	0.88	30.7	0.91	38.2	0.94	43.2	0.97	49.7	0.99	57.7	1.01	64.7	1.02	72.2	1.04	83.2	1.07	66
25.6	0.88	30.1	0.91	37.6	0.94	42.6	0.97	49.1	0.99	57.1	1.01	64.1	1.02	71.6	1.04	82.6	1.07	67
25.0	0.88	29.5	0.91	37.0	0.94	42.0	0.97	48.5	0.99	56.5	1.01	63.5	1.02	71.0	1.04	82.0	1.07	68
24.4	0.88	28.9	0.91	36.4	0.94	41.4	0.97	47.9	0.99	55.9	1.01	62.9	1.02	70.4	1.04	81.4	1.07	69
29.4	0.88	33.9	0.91	41.4	0.94	46.4	0.97	52.9	0.99	60.9	1.01	67.9	1.02	75.4	1.04	86.4	1.07	70
C81		C90		C105		C115		C128		C144		C158		C173		C195		
29.1	0.88	33.6	0.91	41.1	0.94	46.1	0.97	52.6	0.99	60.6	1.01	67.6	1.02	75.1	1.04	86.1	1.07	71
28.8	0.88	33.3	0.91	40.8	0.94	45.8	0.97	52.3	0.99	60.3	1.01	67.3	1.02	74.8	1.04	85.8	1.07	72
28.4	0.88	32.9	0.91	40.4	0.94	45.4	0.97	51.9	0.99	59.9	1.01	66.9	1.02	74.4	1.04	85.4	1.07	73
28.1	0.88	32.6	0.91	40.1	0.94	45.1	0.97	51.6	0.99	59.6	1.01	66.6	1.02	74.1	1.04	85.1	1.07	74
27.8	0.88	32.3	0.91	39.8	0.94	44.8	0.97	51.3	0.99	59.3	1.01	66.3	1.02	73.8	1.04	84.8	1.07	75

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves		Datum Diameter		Type		Nominal Driven Speeds and Horsepower per Belt						Center Distance in Inches and "F" Factor for Browning Belts					
								1750 RPM Driver			1160 RPM Driver			Belt No.		Belt No.		Belt No.	
		Min	Max	Driver	Driven	Fix.	Var.	Nominal Driven Speed	HP per Belt Super	HP per Belt Gripnotch	Nominal Driven Speed	HP per Belt Super	HP per Belt Gripnotch	C.D.	F	C.D.	F	C.D.	F
1	1.04	2	12	9.0	9.4	X	X	1682	19.84	25.05	1115	15.80	18.93	12.5	0.81	17.0	0.83	23.0	0.86
2	1.04	2	12	9.2	9.6	X	—	1682	20.50	25.77	1115	16.35	19.50	12.2	0.81	16.7	0.83	22.7	0.86
3	1.04	2	12	9.4	9.8	X	—	1682	21.15	26.49	1115	16.90	20.07	11.9	0.81	16.4	0.83	22.4	0.86
4	1.04	1	12	9.6	10.0	X	—	1682	21.72	26.94	1115	17.40	20.48	11.6	0.81	16.1	0.83	22.1	0.86
5	1.04	1	12	10.0	10.5	X	X	1682	23.02	28.56	1115	18.52	21.77	—	—	15.4	0.83	21.4	0.86
														C51		C60		C72	
6	1.04	1	12	10.5	11.0	X	—	1682	24.49	30.22	1115	19.84	23.16	—	—	14.6	0.83	20.6	0.86
7	1.05	2	6	7.0	7.4	X	—	1666	12.61	18.63	1104	10.04	14.02	15.6	0.81	20.1	0.83	26.1	0.86
8	1.05	2	6	7.2	7.6	X	—	1666	13.39	19.20	1104	10.64	14.47	15.3	0.81	19.8	0.83	25.8	0.86
9	1.05	2	6	7.4	7.8	X	—	1666	14.15	19.76	1104	11.23	14.92	15.0	0.81	19.5	0.83	25.5	0.86
10	1.05	1	6	7.6	8.0	X	—	1666	14.90	20.32	1104	11.81	15.36	14.7	0.81	19.2	0.83	25.2	0.86
														C51		C60		C72	
11	1.05	1	10	8.0	8.5	X	—	1666	16.37	21.49	1104	12.97	16.24	14.0	0.81	18.5	0.83	24.5	0.86
12	1.05	1	10	8.5	9.0	X	—	1666	18.14	23.20	1104	14.40	17.47	13.2	0.81	17.7	0.83	23.7	0.86
13	1.05	1	12	9.0	9.5	X	X	1666	19.84	25.05	1104	15.80	18.93	12.4	0.81	16.9	0.83	22.9	0.86
14	1.05	1	12	9.5	10.0	X	—	1666	21.47	26.84	1104	17.17	20.36	11.6	0.81	16.1	0.83	22.1	0.86
15	1.05	1	12	10.0	10.6	X	X	1666	23.02	28.56	1104	18.52	21.77	—	—	15.3	0.83	21.3	0.86
														C51		C60		C72	
16	1.05	2	6	11.4	12.0	X	—	1666	26.92	33.02	1104	22.14	25.59	—	—	13.1	0.83	19.1	0.86
17	1.06	1	4	5.6	6.0	X	—	1650	7.43	14.42	1094	6.18	10.80	17.8	0.81	22.3	0.84	28.3	0.86
18	1.06	1	6	7.0	7.5	X	—	1650	12.77	18.71	1094	10.15	14.04	15.6	0.81	20.1	0.83	26.1	0.86
19	1.06	1	6	7.5	8.0	X	—	1650	14.68	20.13	1094	11.63	15.14	14.8	0.81	19.3	0.83	25.3	0.86
20	1.06	2	6	8.2	8.8	X	—	1650	17.25	22.10	1094	13.65	16.69	13.6	0.81	18.1	0.83	24.1	0.86
														C51		C60		C72	
21	1.06	2	6	8.4	9.0	X	—	1650	17.95	22.82	1094	14.22	17.18	13.3	0.81	17.8	0.83	23.8	0.86
22	1.06	2	10	8.6	9.2	X	—	1650	18.65	23.58	1094	14.79	17.76	13.0	0.81	17.5	0.83	23.5	0.86
23	1.06	2	6	8.8	9.4	X	—	1650	19.33	24.32	1094	15.35	18.35	12.7	0.81	17.2	0.83	23.2	0.86
24	1.06	1	12	9.0	9.6	X	X	1650	20.00	25.05	1094	15.91	18.93	12.3	0.81	16.8	0.83	22.8	0.86
25	1.06	2	12	9.2	9.8	X	—	1650	20.66	25.77	1094	16.46	19.50	12.0	0.81	16.5	0.83	22.5	0.86
														C51		C60		C72	
26	1.06	2	12	9.4	10.0	X	—	1650	21.31	26.49	1094	17.01	20.07	11.7	0.81	16.2	0.83	22.2	0.86
27	1.06	2	12	9.6	10.2	X	—	1650	21.79	27.19	1094	17.44	20.64	11.4	0.81	15.9	0.83	21.9	0.86
28	1.06	2	12	9.8	10.5	X	—	1650	22.57	27.88	1094	18.09	21.21	—	—	15.5	0.83	21.5	0.86
29	1.06	3	12	14.0	15.0	X	—	—	—	—	1094	28.34	32.16	—	—	—	—	—	—
30	1.06	3	12	15.0	16.0	X	—	—	—	—	1094	30.45	34.49	—	—	—	—	—	—
														C51		C60		C72	
31	1.07	2	6	7.2	7.8	X	—	1635	13.54	19.37	1084	10.74	14.61	15.2	0.81	19.7	0.83	25.7	0.86
32	1.07	2	6	7.4	8.0	X	—	1635	14.31	19.93	1084	11.33	15.06	14.9	0.81	19.4	0.83	25.4	0.86
33	1.07	1	6	7.6	8.2	X	—	1635	15.06	20.48	1084	11.92	15.50	14.5	0.81	19.0	0.83	25.0	0.86
34	1.07	2	6	7.8	8.4	X	—	1635	15.80	21.03	1084	12.50	15.94	14.2	0.81	18.7	0.83	24.7	0.86
35	1.07	1	10	8.0	8.6	X	—	1635	16.53	21.57	1084	13.08	16.38	13.9	0.81	18.4	0.83	24.4	0.86
														C51		C60		C72	
36	1.07	2	10	8.5	9.2	X	—	1635	18.30	23.20	1084	14.51	17.47	13.1	0.81	17.6	0.83	23.6	0.86
37	1.07	2	6	8.8	9.5	X	—	1635	19.33	24.32	1084	15.35	18.35	12.6	0.81	17.1	0.83	23.1	0.86
38	1.07	2	12	9.5	10.2	X	—	1635	21.63	26.84	1084	17.28	20.36	11.5	0.80	16.0	0.83	22.0	0.86
39	1.07	2	12	9.8	10.6	X	—	1635	22.57	27.88	1084	18.09	21.21	—	—	15.4	0.83	21.4	0.86
40	1.07	2	12	10.2	11.0	X	X	1635	23.77	29.23	1084	19.16	22.33	—	—	14.8	0.83	20.8	0.86
														C51		C60		C72	
41	1.07	2	6	10.6	11.4	X	—	1635	24.93	30.54	1084	20.20	23.43	—	—	14.2	0.83	20.2	0.86
42	1.07	1	12	13.0	14.0	X	—	1635	30.69	37.42	1084	26.09	29.72	—	—	—	—	16.2	0.86
43	1.08	3	4	5.5	6.0	X	—	1620	7.18	14.21	1074	5.98	10.66	17.9	0.81	22.4	0.83	28.4	0.86
44	1.08	1	6	7.0	7.6	X	—	1620	13.00	18.80	1074	10.30	14.16	15.5	0.81	20.0	0.83	26.0	0.86
45	1.08	1	6	7.5	8.2	X	—	1620	14.91	20.28	1074	11.78	15.28	14.6	0.81	19.1	0.83	25.1	0.86
														C51		C60		C72	
46	1.08	2	6	7.8	8.5	X	—	1620	16.02	21.10	1074	12.65	15.94	14.2	0.81	18.7	0.83	24.7	0.86
47	1.08	2	10	8.6	9.4	X	—	1620	18.87	23.85	1074	14.94	17.95	12.8	0.80	17.3	0.83	23.3	0.86
48	1.08	2	6	8.8	9.6	X	—	1620	19.56	24.60	1074	15.50	18.53	12.5	0.80	17.0	0.83	23.0	0.86
49	1.08	2	12	9.0	9.8	X	X	1620	20.23	25.33	1074	16.06	19.11	12.2	0.80	16.7	0.83	22.7	0.86
50	1.08	2	12	9.2	10.0	X	—	1620	20.89	26.05	1074	16.61	19.69	11.9	0.80	16.4	0.83	22.4	0.86
														C51		C60		C72	
51	1.08	2	12	9.4	10.2	X	—	1620	21.54	26.76	1074	17.16	20.26	11.6	0.80	16.1	0.83	22.1	0.86
52	1.08	2	6	10.5	11.4	X	—	1620	24.87	30.49	1074	20.09	23.34	—	—	14.3	0.83	20.3	0.86
53	1.08	1	12	11.0	12.0	X	X	1620	26.26	32.08	1074	21.38	24.70	—	—	13.4	0.83	19.4	0.86
54	1.08	1	12	12.0	13.0	X	—	1620	28.77	35.04	1074	23.88	27.35	—	—	—	—	17.8	0.86
55	1.09	3	4	5.0	5.5	X	—	1605	5.36	12.63	1064	4.64	9.46	18.7	0.81	23.2	0.83	29.2	0.86
														C51		C60		C72	
56	1.09	2	6	7.8	8.6	X	—	1605	16.02	21.17	1064	12.65	15.94	14.1	0.81	18.6	0.83	24.6	0.86
57	1.09	2	6	8.0	8.8	X	—	1605	16.75	21.71	1064	13.23	16.38	13.8	0.81	18.3	0.83	24.3	0.86
58	1.09	1	6	8.2	9.0	X	—	1605	17.47	22.34	1064	13.80	16.81	13.4	0.80	17.9	0.83	23.9	0.86
59	1.09	2	6	8.4	9.2	X	—	1605	18.18	23.10	1064	14.37	17.36	13.1	0.80	17.6	0.83	23.6	0.86
60	1.09	1	12	9.6	10.5	X	—	1605	22.17	27.46	1064	17.70	20.83	—	—	15.7	0.83	21.7	0.86
														C51		C60		C72	
61	1.09	1	12	10.0	11.0	X	X	1605	23.40	28.84	1064	18.78	21.95	—	—	15.0	0.83	21.0	0.86
62	1.10	2	6	7.0	7.8	X	—	1590	13.00	18.95	1054	10.30	14.19	15.3	0.81	19.8	0.83	25.8	0.86
63	1.10	2	6	7.2	8.0	X	—	1590	13.77	19.51	1054	10.89	14.63	15.0	0.81	19.5	0.83	25.5	0.86
64	1.10	2	6	7.4	8.2	X	—	1590	14.53	20.07	1054	11.48	15.07	14.7	0.81	19.2	0.83	25.2	0.86
65	1.10	2	6	7.6	8.4	X	—	1590	15.28	20.63	1054	12.07	15.50	14.4	0.81	18.9	0.83	24.9	0.86
														C51		C60		C72	
66	1.10	2	10	8.5	9.4	X	—	1590	18.53	23.48	1054	14.66	17.65	12.9	0.80	17.4	0.83	23.4	0.86
67	1.10	1	10	8.6	9.5	X	—	1590	18.87	23.85	1054	14.94	17.95	12.7	0.80	17.2	0.83	23.2	0.86
68	1.10	2	6	8.8	9.8	X	—	1590	19.56	24.60	1054	15.50	18.53	12.3	0.80	16.8	0.83	22.8	0.86
69	1.10	1	12	9.0	10.0	X	X	1590	20.23	25.33	1054	16.06	19.11	12.0	0.80	16.5	0.83	22.5	0.86
70	1.10	2	12	9.2	10.2	X	—	1590	20.89	26.05	1054	16.61	19.69	11.7	0.80	16.2	0.83	22.2	0.86
														C51		C60		C72	
71	1.10	1	12	9.5	10.5	X	—	1590	21.86	27.11	1054	17.43	20.54	—	—	15.7	0.83	21.7	0.86
72	1.10	1	12	9.6	10.6	X	—	1590	22.17	27.46	1054	17.70	20.83	—	—	15.6	0.83	21.6	0.86
73	1.11	3	4	5.0	5.6	X	—	1576	5.46	12.73	1045	4.70	9.52	18.6	0.81	23.1	0.83	29.1	0.86
74	1.11	2	6	7.5	8.4	X	—	1576	14.91	20.42	1045	11.78	15.33	14.5	0.80	19.0	0.83	25.0	0.86
75	1.11	1	6	7.6	8.5	X	—	1576	15.28	20.69	1045	12.07	15.55	14.3	0.80	18.8	0.83	24.8	0.86

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts

Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
C81		C90		C105		C115		C128		C144		C158		C173		C195		
27.5	0.88	32.0	0.91	39.5	0.94	44.5	0.97	51.0	0.99	59.0	1.01	66.0	1.02	73.5	1.04	84.5	1.07	1
27.2	0.88	31.7	0.91	39.2	0.94	44.2	0.97	50.7	0.99	58.7	1.01	65.7	1.02	73.2	1.04	84.2	1.07	2
26.9	0.88	31.4	0.91	38.9	0.94	43.9	0.97	50.4	0.99	58.4	1.01	65.4	1.02	72.9	1.04	83.9	1.07	3
26.6	0.88	31.1	0.91	38.6	0.94	43.6	0.97	50.1	0.99	58.1	1.01	65.1	1.02	72.6	1.04	83.6	1.07	4
25.9	0.88	30.4	0.91	37.9	0.94	42.9	0.97	49.4	0.99	57.4	1.01	64.4	1.02	71.9	1.04	82.9	1.07	5
C81		C90		C105		C115		C128		C144		C158		C173		C195		
25.1	0.88	29.6	0.91	37.1	0.94	42.1	0.97	48.6	0.99	56.6	1.01	63.6	1.02	71.1	1.04	82.1	1.07	6
30.6	0.88	35.1	0.91	42.6	0.94	47.6	0.97	54.1	0.99	62.1	1.01	69.1	1.02	6.6	1.04	87.6	1.07	7
30.3	0.88	34.8	0.91	42.3	0.94	47.3	0.97	53.8	0.99	61.8	1.01	68.8	1.02	76.3	1.04	87.3	1.07	8
30.0	0.88	34.5	0.91	42.0	0.94	47.0	0.97	53.5	0.99	61.5	1.01	68.5	1.02	76.0	1.04	87.0	1.07	9
29.7	0.88	34.2	0.91	41.7	0.94	46.7	0.97	53.2	0.99	61.2	1.01	68.2	1.02	75.7	1.04	86.7	1.07	10
C81		C90		C105		C115		C128		C144		C158		C173		C195		
29.0	0.88	33.5	0.91	41.0	0.94	46.0	0.97	52.5	0.99	60.5	1.01	67.5	1.02	75.0	1.04	86.0	1.07	11
28.2	0.88	32.7	0.91	40.2	0.94	45.2	0.97	51.7	0.99	59.7	1.01	66.7	1.02	74.2	1.04	85.2	1.07	12
27.4	0.88	31.9	0.91	39.4	0.94	44.4	0.97	50.9	0.99	58.9	1.01	65.9	1.02	73.4	1.04	84.4	1.07	13
26.6	0.88	31.1	0.91	38.6	0.94	43.6	0.97	50.1	0.99	58.1	1.01	65.1	1.02	72.6	1.04	83.6	1.07	14
25.8	0.88	30.3	0.91	37.8	0.94	42.8	0.97	49.3	0.99	57.3	1.01	64.3	1.02	71.8	1.04	82.8	1.07	15
C81		C90		C105		C115		C128		C144		C158		C173		C195		
23.6	0.88	28.1	0.91	35.6	0.94	40.6	0.97	47.1	0.99	55.1	1.01	62.1	1.02	69.6	1.04	80.6	1.07	16
32.8	0.88	37.3	0.91	44.8	0.94	49.8	0.97	56.3	0.99	64.3	1.01	71.3	1.02	78.8	1.04	89.8	1.07	17
30.6	0.88	35.1	0.91	42.6	0.94	47.6	0.97	54.1	0.99	62.1	1.01	69.1	1.02	76.6	1.04	87.6	1.07	18
29.8	0.88	34.3	0.91	41.8	0.94	46.8	0.97	53.3	0.99	61.3	1.01	68.3	1.02	75.8	1.04	86.8	1.07	19
28.6	0.88	33.1	0.91	40.6	0.94	45.6	0.97	52.1	0.99	60.1	1.01	67.1	1.02	74.6	1.04	85.6	1.07	20
C81		C90		C105		C115		C128		C144		C158		C173		C195		
28.3	0.88	32.8	0.91	40.3	0.94	45.3	0.97	51.8	0.99	59.8	1.01	66.8	1.02	74.3	1.04	85.3	1.07	21
28.0	0.88	32.5	0.91	40.0	0.94	45.0	0.97	51.5	0.99	59.5	1.01	66.5	1.02	74.0	1.04	85.0	1.07	22
27.7	0.88	32.2	0.91	39.7	0.94	44.7	0.97	51.2	0.99	59.2	1.01	66.2	1.02	73.7	1.04	84.7	1.07	23
27.3	0.88	31.8	0.91	39.3	0.94	44.3	0.97	50.8	0.99	58.8	1.01	65.8	1.02	73.3	1.04	84.3	1.07	24
27.0	0.88	31.5	0.91	39.0	0.94	44.0	0.97	50.5	0.99	58.5	1.01	65.5	1.02	73.0	1.04	84.0	1.07	25
C81		C90		C105		C115		C128		C144		C158		C173		C195		
26.7	0.88	31.2	0.91	38.7	0.94	43.7	0.97	50.2	0.99	58.2	1.01	65.2	1.02	72.7	1.04	83.7	1.07	26
26.4	0.88	30.9	0.91	38.4	0.94	43.4	0.97	49.9	0.99	57.9	1.01	64.9	1.02	72.4	1.04	83.4	1.07	27
26.0	0.88	30.5	0.91	38.0	0.94	43.0	0.97	49.5	0.99	57.5	1.01	64.5	1.02	72.0	1.03	83.0	1.07	28
19.2	0.88	23.7	0.91	31.2	0.93	36.2	0.97	42.7	0.99	50.7	1.00	57.7	1.02	65.2	1.03	76.2	1.07	29
17.6	0.88	22.1	0.91	29.6	0.93	34.6	0.97	41.1	0.99	49.1	1.00	56.1	1.02	63.6	1.03	74.6	1.07	30
C81		C90		C105		C115		C128		C144		C158		C173		C195		
30.2	0.88	34.7	0.91	42.2	0.94	47.2	0.97	53.7	0.99	61.7	1.01	68.7	1.02	76.2	1.04	87.2	1.07	31
29.9	0.88	34.4	0.91	41.9	0.94	46.9	0.97	53.4	0.99	61.4	1.01	68.4	1.02	75.9	1.04	86.9	1.07	32
29.5	0.88	34.0	0.91	41.5	0.94	46.5	0.97	53.0	0.99	61.0	1.01	68.0	1.02	75.5	1.04	86.5	1.07	33
29.2	0.88	33.7	0.91	41.2	0.94	46.2	0.97	52.7	0.99	60.7	1.01	67.7	1.02	75.2	1.04	86.2	1.07	34
28.9	0.88	33.4	0.91	40.9	0.94	45.9	0.97	52.4	0.99	60.4	1.01	67.4	1.02	74.9	1.04	85.9	1.07	35
C81		C90		C105		C115		C128		C144		C158		C173		C195		
28.1	0.88	32.6	0.91	40.1	0.94	45.1	0.97	51.6	0.99	59.6	1.01	66.6	1.02	74.1	1.03	85.1	1.07	36
27.6	0.88	32.1	0.91	39.6	0.94	44.6	0.97	51.1	0.99	59.1	1.01	66.1	1.02	73.6	1.03	84.6	1.07	37
26.5	0.88	31.0	0.91	38.5	0.94	43.5	0.97	50.0	0.99	58.0	1.01	65.0	1.02	72.5	1.03	83.5	1.07	38
25.9	0.88	30.4	0.91	37.9	0.94	42.9	0.97	49.4	0.99	57.4	1.01	64.4	1.02	71.9	1.03	82.9	1.07	39
25.3	0.88	29.8	0.91	37.3	0.94	42.3	0.97	48.8	0.99	56.8	1.01	63.8	1.02	71.3	1.03	82.3	1.07	40
C81		C90		C105		C115		C128		C144		C158		C173		C195		
24.7	0.88	29.2	0.91	36.7	0.94	41.7	0.97	48.2	0.99	56.2	1.01	63.2	1.02	70.7	1.03	81.7	1.07	41
20.7	0.88	25.3	0.91	32.8	0.93	37.8	0.97	44.3	0.99	52.3	1.00	59.3	1.02	66.8	1.03	77.8	1.07	42
32.9	0.88	37.4	0.91	44.9	0.94	49.9	0.97	56.4	0.99	64.4	1.01	71.4	1.02	78.9	1.04	89.9	1.07	43
30.5	0.88	35.0	0.91	42.5	0.94	47.5	0.97	54.0	0.99	62.0	1.01	69.0	1.02	76.5	1.04	87.5	1.07	44
29.6	0.88	34.1	0.91	41.6	0.94	46.6	0.97	53.1	0.99	61.1	1.01	68.1	1.02	75.6	1.04	86.6	1.07	45
C81		C90		C105		C115		C128		C144		C158		C173		C195		
29.2	0.88	33.7	0.91	41.2	0.94	46.2	0.97	52.7	0.99	60.7	1.01	67.7	1.02	75.2	1.04	86.2	1.07	46
27.8	0.88	32.3	0.91	39.8	0.94	44.8	0.97	51.3	0.99	59.3	1.01	66.3	1.02	73.8	1.03	84.8	1.07	47
27.5	0.88	32.0	0.91	39.5	0.94	44.5	0.97	51.0	0.99	59.0	1.01	66.0	1.02	73.5	1.03	84.5	1.07	48
27.2	0.88	31.7	0.91	39.2	0.94	44.2	0.97	50.7	0.99	58.7	1.01	65.7	1.02	73.2	1.03	84.2	1.07	49
26.9	0.88	31.4	0.91	38.9	0.94	43.9	0.97	50.4	0.99	58.4	1.01	65.4	1.02	72.9	1.03	83.9	1.07	50
C81		C90		C105		C115		C128		C144		C158		C173		C195		
26.6	0.88	31.1	0.91	38.6	0.94	43.6	0.97	50.1	0.99	58.1	1.01	65.1	1.02	72.6	1.03	83.6	1.07	51
24.8	0.88	29.3	0.91	36.8	0.93	41.8	0.97	48.3	0.99	56.3	1.01	63.3	1.02	70.8	1.03	81.8	1.07	52
23.9	0.88	28.4	0.91	35.9	0.93	40.9	0.97	47.4	0.99	55.4	1.00	62.4	1.02	69.9	1.03	80.9	1.07	53
22.3	0.88	26.8	0.91	34.3	0.93	39.3	0.97	45.8	0.99	53.8	1.00	60.8	1.02	68.3	1.03	79.3	1.07	54
33.7	0.88	38.2	0.91	45.7	0.94	50.7	0.97	57.2	0.99	65.2	1.01	72.2	1.02	79.7	1.04	90.7	1.07	55
C81		C90		C105		C115		C128		C144		C158		C173		C195		
29.1	0.88	33.6	0.91	41.1	0.94	46.1	0.97	52.6	0.99	60.6	1.01	67.6	1.02	75.1	1.03	86.1	1.07	56
28.8	0.88	33.3	0.91	40.8	0.94	45.8	0.97	52.3	0.99	60.3	1.01	67.3	1.02	74.8	1.03	85.8	1.07	57
28.4	0.88	32.9	0.91	40.4	0.94	45.4	0.97	51.9	0.99	59.9	1.01	66.9	1.02	74.4	1.03	85.4	1.07	58
28.1	0.88	32.6	0.91	40.1	0.94	45.1	0.97	51.6	0.99	59.6	1.01	66.6	1.02	74.1	1.03	85.1	1.07	59
26.2	0.88	30.7	0.91	38.2	0.93	43.2	0.97	49.7	0.99	57.7	1.01	64.7	1.02	72.2	1.03	83.2	1.07	60
C81		C90		C105		C115		C128		C144		C158		C173		C195		
25.5	0.88	30.0	0.91	37.5	0.93	42.5	0.97	49.0	0.99	57.0	1.00	64.0	1.02	71.5	1.03	82.5	1.07	61
30.3	0.88	34.8	0.91	42.3	0.94	47.3	0.97	53.8	0.99	61.8	1.01	68.8	1.02	76.3	1.03	87.3	1.07	62
30.0	0.88	34.5	0.91	42.0	0.94	47.0	0.97	53.5	0.99	61.5	1.01	68.5	1.02	76.0	1.03	87.0	1.07	63
29.7	0.88	34.2	0.91	41.7	0.94	46.7	0.97	53.2	0.99	61.2	1.01	68.2	1.02	75.7	1.03	86.7	1.07	64
29.4	0.88	33.9	0.91	41.4	0.94	46.4	0.97	52.9	0.99	60.9	1.01	67.9	1.02	75.4	1.03	86.4	1.07	65
C81		C90		C105		C115		C128		C144		C158		C173		C195		
27.9	0.88	32.4	0.91	39.9	0.94	44.9	0.97	51.4	0.99	59.4	1.01	66.4	1.02	73.9	1.03	84.9	1.07	66
27.7	0.88	32.2	0.91	39.7	0.94	44.7	0.97	51.2	0.99	59.2	1.01	66.2	1.02	73.7	1.03	84.7	1.07	67
27.3	0.88	31.8	0.91	39.3	0.93	44.3	0.97	50.8	0.99	58.8	1.01	65.8	1.02	73.3	1.03	84.3	1.07	68
27.0	0.88	31.5	0.91	39.0	0.93	44.0	0.97	50.5	0.99	58.5	1.01	65.5	1.02	73.0	1.03	84.0	1.07	69
26.7	0.88	31.2	0.91	38.7	0.93	43.7	0.97	50.2	0.99	58.2	1.01	65.2	1.02	72.7	1.03	83.7	1.07	70
C81		C90		C105		C115		C128		C144		C158		C173		C195		
26.2	0.88	30.7	0.91	38.2	0.93	43.2	0.97	49.7	0.99	57.7	1.01	64.7	1.02	72.2	1.03	83.2	1.07	71
26.1	0.88	30.6	0.91	38.1	0.93	43.1	0.97	49.6	0.99	57.6	1.01	64.6	1.02	72.1	1.03	83.1	1.07	72
33.6	0.88	38.1	0.91	45.6	0.94	50.6	0.97	57.1	0.99	65.1	1.01	72.1	1.02	79.6	1.04	90.6	1.07	73
29.5	0.88	34.0	0.91	41.5	0.94	46.5	0.97	53.0	0.99	61.0	1.01	68.0	1.02	75.5	1.03	86.5	1.07	74
29.3	0.88	33.8	0.91	41.3	0.94	46.3	0.97	52.8	0.99	60.8	1.01	67.8	1.02	75.3	1.03	86.3	1.07	75

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves		Datum Diameter		Type		Nominal Driven Speeds and Horsepower per Belt						Center Distance in Inches and "F" Factor for Browning Belts					
								1750 RPM Driver			1160 RPM Driver			Belt No.		Belt No.		Belt No.	
		Min	Max	Driver	Driven	Fix.	Var.	Nominal Driven Speed	HP per Belt Super	HP per Belt Gripnotch	Nominal Driven Speed	HP per Belt Super	HP per Belt Gripnotch	C.D.	F	C.D.	F	C.D.	F
														C51		C60		C72	
1	1.11	1	10	8.0	9.0	X	—	1576	16.75	21.83	1045	13.23	16.44	13.6	0.80	18.1	0.83	24.1	0.86
2	1.11	2	6	8.2	9.2	X	—	1576	17.47	22.36	1045	13.80	16.87	13.3	0.80	17.8	0.83	23.8	0.86
3	1.11	2	6	8.4	9.4	X	—	1576	18.18	23.10	1045	14.37	17.36	13.0	0.80	17.5	0.83	23.5	0.86
4	1.11	1	10	8.5	9.5	X	—	1576	18.53	23.48	1045	14.66	17.65	12.8	0.80	17.3	0.83	23.3	0.86
5	1.11	1	10	8.6	9.6	X	—	1576	18.87	23.85	1045	14.94	17.95	12.7	0.80	17.2	0.83	23.2	0.86
														C51		C60		C72	
6	1.11	2	12	9.4	10.5	X	—	1576	21.54	26.76	1045	17.16	20.26	11.3	0.80	15.8	0.83	21.8	0.86
7	1.11	1	12	9.5	10.6	X	—	1576	21.86	27.11	1045	17.43	20.54	—	—	15.7	0.83	21.7	0.86
8	1.11	2	12	9.8	11.0	X	—	1576	22.79	28.16	1045	18.24	21.39	—	—	15.1	0.83	21.1	0.86
9	1.11	2	6	10.2	11.4	X	X	1576	24.00	29.51	1045	19.31	22.51	—	—	14.5	0.83	20.5	0.86
10	1.12	2	6	7.4	8.4	X	—	1562	14.76	20.20	1035	11.63	15.15	14.5	0.80	19.0	0.83	25.0	0.86
														C51		C60		C72	
11	1.12	1	6	7.5	8.5	X	—	1562	15.14	20.48	1035	11.93	15.37	14.4	0.80	18.9	0.83	24.9	0.86
12	1.12	1	6	7.6	8.6	X	—	1562	15.51	20.75	1035	12.22	15.59	14.2	0.80	18.7	0.83	24.7	0.86
13	1.12	2	6	7.8	8.8	X	—	1562	16.25	21.30	1035	12.80	16.02	13.9	0.80	18.4	0.83	24.4	0.86
14	1.12	2	6	8.4	9.5	X	—	1562	18.41	23.32	1035	14.52	17.51	12.9	0.80	17.4	0.83	23.4	0.86
15	1.12	1	10	8.5	9.6	X	—	1562	18.76	23.70	1035	14.81	17.80	12.7	0.80	17.2	0.83	23.2	0.86
														C51		C60		C72	
16	1.12	2	12	9.0	10.2	X	X	1562	20.46	25.55	1035	16.21	19.26	11.9	0.80	16.4	0.83	22.4	0.86
17	1.12	2	12	9.4	10.6	X	—	1562	21.76	26.98	1035	17.31	20.41	—	—	15.7	0.83	21.7	0.86
18	1.12	1	12	10.6	12.0	X	—	1562	25.38	31.04	1035	20.51	23.76	—	—	13.7	0.82	19.7	0.86
19	1.12	1	12	16.0	18.0	X	—	—	—	—	1035	32.72	37.03	—	—	—	—	—	—
20	1.13	1	8	7.0	8.0	X	—	1548	13.23	19.08	1026	10.45	14.30	15.2	0.80	19.7	0.83	25.7	0.86
														C51		C60		C72	
21	1.13	2	6	7.2	8.2	X	—	1548	14.00	19.65	1026	11.04	14.75	14.9	0.80	19.4	0.83	25.4	0.86
22	1.13	1	6	7.5	8.6	X	—	1548	15.14	20.54	1026	11.93	15.42	14.3	0.80	18.8	0.83	24.8	0.86
23	1.13	2	6	8.2	9.4	X	—	1548	17.70	22.56	1026	13.95	16.95	13.1	0.80	17.6	0.83	23.6	0.86
24	1.13	2	6	8.4	9.6	X	—	1548	18.41	23.32	1026	14.52	17.51	12.8	0.80	17.3	0.83	23.3	0.86
25	1.13	2	10	8.6	9.8	X	—	1548	19.10	24.08	1026	15.09	18.09	12.5	0.80	17.0	0.83	23.0	0.86
														C51		C60		C72	
26	1.13	2	6	8.8	10.0	X	—	1548	19.79	24.82	1026	15.65	18.68	12.2	0.80	16.7	0.83	22.7	0.86
27	1.13	2	12	9.2	10.5	X	—	1548	21.12	26.27	1026	16.76	19.83	11.5	0.80	16.0	0.83	22.0	0.86
28	1.13	1	12	9.6	11.0	X	—	1548	22.40	27.69	1026	17.85	20.97	—	—	15.3	0.82	21.3	0.86
29	1.13	2	6	10.0	11.4	X	X	1548	23.63	29.06	1026	18.93	22.10	—	—	14.6	0.82	20.6	0.86
30	1.13	1	12	10.5	12.0	X	—	1548	25.10	30.71	1026	20.25	23.49	—	—	13.8	0.82	19.8	0.85
														C51		C60		C72	
31	1.13	2	6	11.4	13.0	X	—	1548	27.53	33.52	1026	22.55	25.92	—	—	—	—	18.3	0.85
32	1.13	1	12	14.0	16.0	X	—	—	—	—	1026	28.64	32.49	—	—	—	—	—	—
33	1.14	2	6	7.4	8.5	X	—	1535	14.76	20.26	1017	11.63	15.20	14.5	0.80	19.0	0.83	25.0	0.86
34	1.14	2	6	7.6	8.8	X	—	1535	15.51	20.87	1017	12.22	15.66	14.1	0.80	18.6	0.83	24.6	0.86
35	1.14	2	6	7.8	9.0	X	—	1535	16.25	21.41	1017	12.80	16.09	13.7	0.80	18.3	0.83	24.3	0.86
														C51		C60		C72	
36	1.14	2	10	8.0	9.2	X	—	1535	16.98	21.95	1017	13.38	16.52	13.4	0.80	17.9	0.83	23.9	0.86
37	1.14	2	10	8.5	9.8	X	—	1535	18.76	23.70	1017	14.81	17.80	12.6	0.80	17.1	0.83	23.1	0.86
38	1.14	2	12	9.2	10.6	X	—	1535	21.12	26.27	1017	16.76	19.83	11.4	0.80	15.9	0.83	21.9	0.86
39	1.14	3	12	13.0	15.0	X	—	1535	31.14	37.91	1017	26.40	30.05	—	—	—	—	15.4	0.85
40	1.15	1	6	6.0	7.0	X	—	1521	9.33	16.15	1008	7.56	12.05	16.7	0.80	21.2	0.83	27.2	0.86
														C51		C60		C72	
41	1.15	2	6	7.2	8.4	X	—	1521	14.00	19.76	1008	11.04	14.80	14.7	0.80	19.2	0.83	25.2	0.86
42	1.15	2	6	7.4	8.6	X	—	1521	14.76	20.32	1008	11.63	15.23	14.4	0.80	18.9	0.83	24.9	0.86
43	1.15	1	6	8.2	9.5	X	—	1521	17.70	22.56	1008	13.95	16.97	13.0	0.80	17.5	0.83	23.5	0.86
44	1.15	2	6	8.4	9.8	X	—	1521	18.41	23.32	1008	14.52	17.51	12.6	0.80	17.1	0.83	23.2	0.86
45	1.15	1	10	8.6	10.0	X	—	1521	19.10	24.08	1008	15.09	18.09	12.3	0.80	16.8	0.83	22.8	0.86
														C51		C60		C72	
46	1.15	2	6	8.8	10.2	X	—	1521	19.79	24.82	1008	15.65	18.68	12.0	0.80	16.5	0.83	22.5	0.86
47	1.15	1	12	9.0	10.5	X	X	1521	20.46	25.55	1008	16.21	19.26	11.6	0.80	16.1	0.82	22.1	0.86
48	1.15	1	12	9.5	11.0	X	—	1521	22.08	27.34	1008	17.58	20.69	—	—	15.3	0.82	21.3	0.86
49	1.15	2	6	9.8	11.4	X	—	1521	23.02	28.38	1008	18.39	21.54	—	—	14.8	0.82	20.8	0.85
50	1.16	1	6	7.0	8.2	X	—	1508	13.46	19.20	1000	10.60	14.36	15.0	0.80	19.5	0.83	25.5	0.86
														C51		C60		C72	
51	1.16	2	6	7.5	8.8	X	—	1508	15.37	20.65	1000	12.08	15.48	14.1	0.80	18.6	0.83	24.6	0.86
52	1.16	2	10	8.0	9.4	X	—	1508	17.21	22.05	1000	13.53	16.58	13.3	0.80	17.8	0.83	23.8	0.86
53	1.16	1	6	8.2	9.6	X	—	1508	17.93	22.57	1000	14.11	17.01	13.0	0.80	17.5	0.83	23.5	0.86
54	1.16	1	10	8.5	10.0	X	—	1508	18.98	23.70	1000	14.96	17.80	12.4	0.80	16.9	0.83	22.9	0.86
55	1.16	2	12	9.4	11.0	X	—	1508	21.99	26.98	1000	17.46	20.41	—	—	15.4	0.82	21.4	0.85
														C51		C60		C72	
56	1.16	2	12	10.2	12.0	X	X	1508	24.46	29.73	1000	19.61	22.66	—	—	14.0	0.82	20.0	0.85
57	1.16	1	12	12.0	14.0	X	—	1508	29.23	35.26	1000	24.18	27.50	—	—	—	—	17.0	0.85
58	1.17	2	6	7.2	8.5	X	—	1495	14.23	19.82	991	11.19	14.83	14.6	0.80	19.1	0.83	25.1	0.86
59	1.17	2	6	7.4	8.8	X	—	1495	14.99	20.42	991	11.78	15.30	14.2	0.80	18.7	0.83	24.7	0.86
60	1.17	1	6	7.6	9.0	X	—	1495	15.74	20.97	991	12.37	15.73	13.9	0.80	18.4	0.83	24.4	0.86
														C51		C60		C72	
61	1.17	2	6	7.8	9.2	X	—	1495	16.48	21.51	991	12.95	16.16	13.6	0.80	18.1	0.83	24.1	0.86
62	1.17	1	10	8.0	9.5	X	—	1495	17.21	22.09	991	13.53	16.61	13.2	0.80	17.7	0.83	23.7	0.86
63	1.17	2	10	8.6	10.2	X	—	1495	19.33	24.08	991	15.24	18.09	12.2	0.80	16.7	0.82	22.7	0.86
64	1.17	1	12	9.0	10.6	X	X	1495	20.69	25.55	991	16.36	19.26	11.5	0.79	16.0	0.82	22.0	0.86
65	1.17	1	12	11.0	13.0	X	X	1495	26.71	32.30	991	21.69	24.85	—	—	—	—	18.6	0.85
														C51		C60		C72	
66	1.18	3	4	5.0	6.0	X	—	1483	5.79	13.05	983	4.92	9.74	18.3	0.81	22.8	0.83	28.8	0.86
67	1.18	2	6	6.0	7.2	X	—	1483	9.50	16.27	983	7.64	12.13	16.6	0.80	21.1	0.83	27.1	0.86
68	1.18	2	6	7.0	8.4	X	—	1483	13.52	19.30	983	10.64	14.43	14.8	0.80	19.3	0.83	25.4	0.86
69	1.18	2	6	7.2	8.6	X	—	1483	14.29	19.87	983	11.24	14.87	14.5	0.80	19.0	0.83	25.0	0.86
70	1.18	1	6	7.5	9.0	X	—	1483	15.43	20.74	983	12.12	15.55	14.0	0.80	18.5	0.83	24.5	0.86
														C51		C60		C72	
71	1.18	2	6	8.2	9.8	X	—	1483	17.99	22.82	983	14.15	17.09	12.8	0.80	17.3	0.82	23.3	0.86
72	1.18	2	6	8.4	10.0	X	—	1483	18.70	23.58	983	14.72	17.68	12.5	0.80	17.0	0.82	23.0	0.86
73	1.18	2	6	8.8	10.5	X	—	1483	20.08	25.08	983	15.85	18.85	11.8	0.79	16.3	0.82	22.3	0.85
74	1.18	2	12	9.2	11.0	X	—	1483	21.41	26.53	983	16.95	20.00	—	—	15.6	0.82	21.6	0.85
75	1.18	2	6	9.6	11.4	X	—	1483	22.63	27.69	983	18.00	20.97	—	—	14.9	0.82	20.9	0.85

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts

Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
C81		C90		C105		C115		C128		C144		C158		C173		C195		
28.6	0.88	33.1	0.91	40.6	0.93	45.6	0.97	52.1	0.99	60.1	1.01	67.1	1.02	74.6	1.03	85.6	1.07	1
28.3	0.88	32.8	0.91	40.3	0.93	45.3	0.97	51.8	0.99	59.8	1.01	66.8	1.02	74.3	1.03	85.3	1.07	2
28.0	0.88	32.5	0.91	40.0	0.93	45.0	0.97	51.5	0.99	59.5	1.01	66.5	1.02	74.0	1.03	85.0	1.07	3
27.8	0.88	32.3	0.91	39.8	0.93	44.8	0.97	51.3	0.99	59.3	1.01	66.3	1.02	73.8	1.03	84.8	1.07	4
27.7	0.88	32.2	0.91	39.7	0.93	44.7	0.97	51.2	0.99	59.2	1.01	66.2	1.02	73.7	1.03	84.7	1.07	5
C81		C90		C105		C115		C128		C144		C158		C173		C195		
26.3	0.88	30.8	0.91	38.3	0.93	43.3	0.97	49.8	0.99	57.8	1.00	64.8	1.02	72.3	1.03	83.3	1.07	6
26.2	0.88	30.7	0.91	38.2	0.93	43.2	0.97	49.7	0.99	57.7	1.00	64.7	1.02	72.2	1.03	83.2	1.07	7
25.6	0.88	30.1	0.91	37.6	0.93	42.6	0.97	49.1	0.99	57.1	1.00	64.1	1.02	71.6	1.03	82.6	1.07	8
25.0	0.88	29.5	0.91	37.0	0.93	42.0	0.97	48.5	0.99	56.5	1.00	63.5	1.02	71.0	1.03	82.0	1.07	9
29.5	0.88	34.0	0.91	41.5	0.93	46.5	0.97	53.0	0.99	61.0	1.01	68.0	1.02	75.5	1.03	86.5	1.07	10
C81		C90		C105		C115		C128		C144		C158		C173		C195		
29.4	0.88	33.9	0.91	41.4	0.93	46.4	0.97	52.9	0.99	60.9	1.01	67.9	1.02	75.4	1.03	86.4	1.07	11
29.2	0.88	33.7	0.91	41.2	0.93	46.2	0.97	52.7	0.99	60.7	1.01	67.7	1.02	75.2	1.03	86.2	1.07	12
28.9	0.88	33.4	0.91	40.9	0.93	45.9	0.97	52.4	0.99	60.4	1.01	67.4	1.02	74.9	1.03	85.9	1.07	13
27.9	0.88	32.4	0.91	39.9	0.93	44.9	0.97	51.4	0.99	59.4	1.00	66.4	1.02	73.9	1.03	84.9	1.07	14
27.7	0.88	32.2	0.91	39.7	0.93	44.7	0.97	51.2	0.99	59.2	1.00	66.2	1.02	73.7	1.03	84.7	1.07	15
C81		C90		C105		C115		C128		C144		C158		C173		C195		
26.9	0.88	31.4	0.91	38.9	0.93	43.9	0.97	50.4	0.99	58.4	1.00	65.4	1.02	72.9	1.03	83.9	1.07	16
26.2	0.88	30.7	0.91	38.2	0.93	43.2	0.97	49.7	0.99	57.7	1.00	64.7	1.02	72.2	1.03	83.2	1.07	17
24.2	0.88	28.7	0.91	36.2	0.93	41.2	0.97	47.7	0.98	55.7	1.00	62.7	1.02	70.2	1.03	81.2	1.07	18
—	—	19.7	0.90	27.2	0.93	32.2	0.96	38.7	0.98	46.7	1.00	53.8	1.02	61.3	1.03	72.3	1.07	19
30.2	0.88	34.7	0.91	42.2	0.93	47.2	0.97	53.7	0.99	61.7	1.01	68.7	1.02	76.2	1.03	87.2	1.07	20
C81		C90		C105		C115		C128		C144		C158		C173		C195		
29.9	0.88	34.4	0.91	41.9	0.93	46.9	0.97	53.4	0.99	61.4	1.01	68.4	1.02	75.9	1.03	86.9	1.07	21
29.3	0.88	33.8	0.91	41.3	0.93	46.3	0.97	52.8	0.99	60.8	1.00	67.8	1.02	75.3	1.03	86.3	1.07	22
28.1	0.88	32.6	0.91	40.1	0.93	45.1	0.97	51.6	0.99	59.6	1.00	66.6	1.02	74.1	1.03	85.1	1.07	23
27.8	0.88	32.3	0.91	39.8	0.93	44.8	0.97	51.3	0.99	59.3	1.00	66.3	1.02	73.8	1.03	84.8	1.07	24
27.5	0.88	32.0	0.91	39.5	0.93	44.5	0.97	51.0	0.99	59.0	1.00	66.0	1.02	73.5	1.03	84.5	1.07	25
C81		C90		C105		C115		C128		C144		C158		C173		C195		
27.2	0.88	31.7	0.91	39.2	0.93	44.2	0.97	50.7	0.99	58.7	1.00	65.7	1.02	73.2	1.03	84.2	1.07	26
26.5	0.88	31.0	0.91	38.5	0.93	43.5	0.97	50.0	0.99	58.0	1.00	65.0	1.02	72.5	1.03	83.5	1.07	27
25.8	0.88	30.3	0.91	37.8	0.93	42.8	0.97	49.3	0.98	57.3	1.00	64.3	1.02	71.8	1.03	82.8	1.07	28
25.1	0.88	29.6	0.91	37.1	0.93	42.1	0.97	48.6	0.98	56.6	1.00	63.6	1.02	71.1	1.03	82.1	1.07	29
24.3	0.87	28.8	0.91	36.3	0.93	41.3	0.97	47.8	0.98	55.8	1.00	62.8	1.02	70.3	1.03	81.3	1.07	30
C81		C90		C105		C115		C128		C144		C158		C173		C195		
22.8	0.87	27.3	0.91	34.8	0.93	39.8	0.97	46.3	0.98	54.3	1.00	61.3	1.02	68.8	1.03	79.8	1.07	31
18.4	0.87	22.9	0.90	30.4	0.93	35.4	0.96	41.9	0.98	49.9	1.00	56.9	1.02	64.4	1.03	75.4	1.07	32
29.5	0.88	34.0	0.91	41.5	0.93	46.5	0.97	53.0	0.99	61.0	1.00	68.0	1.02	75.5	1.03	86.5	1.07	33
29.1	0.88	33.6	0.91	41.1	0.93	46.1	0.97	52.6	0.99	60.6	1.00	67.6	1.02	75.1	1.03	86.1	1.07	34
28.8	0.88	33.3	0.91	40.8	0.93	45.8	0.97	52.3	0.99	60.3	1.00	67.3	1.02	74.8	1.03	85.8	1.07	35
C81		C90		C105		C115		C128		C144		C158		C173		C195		
28.4	0.88	32.9	0.91	40.4	0.93	45.4	0.97	51.9	0.99	59.9	1.00	66.9	1.02	74.4	1.03	85.4	1.07	36
27.6	0.88	32.1	0.91	39.6	0.93	44.6	0.97	51.1	0.99	59.1	1.00	66.1	1.02	73.6	1.03	84.6	1.07	37
26.4	0.88	30.9	0.91	38.4	0.93	43.4	0.97	49.9	0.98	57.9	1.00	64.9	1.02	72.4	1.03	83.4	1.07	38
19.9	0.87	24.4	0.90	32.0	0.93	37.0	0.96	43.5	0.98	51.5	1.00	58.5	1.02	66.0	1.03	77.0	1.07	39
31.7	0.88	36.2	0.91	43.7	0.94	48.7	0.97	55.2	0.99	63.2	1.01	70.2	1.02	77.7	1.03	88.7	1.07	40
C81		C90		C105		C115		C128		C144		C158		C173		C195		
29.7	0.88	34.2	0.91	41.7	0.93	46.7	0.97	53.2	0.99	61.2	1.00	68.2	1.02	75.7	1.03	86.7	1.07	41
29.4	0.88	33.9	0.91	41.4	0.93	46.4	0.97	52.9	0.99	60.9	1.00	67.9	1.02	75.4	1.03	86.4	1.07	42
28.0	0.88	32.5	0.91	40.1	0.93	45.1	0.97	51.6	0.99	59.6	1.00	66.6	1.02	74.1	1.03	85.1	1.07	43
27.7	0.88	32.2	0.91	39.7	0.93	44.7	0.97	51.2	0.99	59.2	1.00	66.2	1.02	73.7	1.03	84.7	1.07	44
27.3	0.88	31.8	0.91	39.3	0.93	44.3	0.97	50.8	0.99	58.8	1.00	65.8	1.02	73.3	1.03	84.3	1.07	45
C81		C90		C105		C115		C128		C144		C158		C173		C195		
27.0	0.88	31.5	0.91	39.0	0.93	44.0	0.97	50.5	0.98	58.5	1.00	65.5	1.02	73.0	1.03	84.0	1.07	46
26.6	0.88	31.1	0.91	38.6	0.93	43.6	0.97	50.1	0.98	58.1	1.00	65.1	1.02	72.6	1.03	83.6	1.07	47
25.8	0.87	30.3	0.91	37.9	0.93	42.9	0.97	49.4	0.98	57.4	1.00	64.4	1.02	71.9	1.03	82.9	1.07	48
25.3	0.87	29.8	0.91	37.3	0.93	42.3	0.97	48.8	0.98	56.8	1.00	63.8	1.02	71.3	1.03	82.3	1.07	49
30.0	0.88	34.5	0.91	42.0	0.93	47.0	0.97	53.5	0.99	61.5	1.00	68.5	1.02	76.0	1.03	87.0	1.07	50
C81		C90		C105		C115		C128		C144		C158		C173		C195		
29.1	0.88	33.6	0.91	41.1	0.93	46.1	0.97	52.7	0.99	60.7	1.00	67.7	1.02	75.2	1.03	86.2	1.07	51
28.3	0.88	32.8	0.91	40.3	0.93	45.3	0.97	51.8	0.99	59.8	1.00	66.8	1.02	74.3	1.03	85.3	1.07	52
28.0	0.88	32.5	0.91	40.0	0.93	45.0	0.97	51.5	0.99	59.5	1.00	66.5	1.02	74.0	1.03	85.0	1.07	53
27.4	0.88	31.9	0.91	39.4	0.93	44.4	0.97	50.9	0.98	58.9	1.00	65.9	1.02	73.4	1.03	84.4	1.07	54
25.9	0.87	30.4	0.91	37.9	0.93	42.9	0.97	49.4	0.98	57.4	1.00	64.4	1.02	71.9	1.03	82.9	1.07	55
C81		C90		C105		C115		C128		C144		C158		C173		C195		
24.5	0.87	29.0	0.91	36.5	0.93	41.5	0.97	48.0	0.98	56.0	1.00	63.0	1.02	70.5	1.03	81.5	1.07	56
21.5	0.87	26.0	0.90	33.5	0.93	38.5	0.96	45.0	0.98	53.0	1.00	60.0	1.02	67.5	1.03	78.5	1.07	57
29.6	0.88	34.1	0.91	41.6	0.93	46.6	0.97	53.1	0.99	61.1	1.00	68.1	1.02	75.6	1.03	86.6	1.07	58
29.2	0.88	33.7	0.91	41.2	0.93	46.2	0.97	52.7	0.99	60.7	1.00	67.7	1.02	75.2	1.03	86.2	1.07	59
28.9	0.88	33.4	0.91	40.9	0.93	45.9	0.97	52.4	0.99	60.4	1.00	67.4	1.02	74.9	1.03	85.9	1.07	60
C81		C90		C105		C115		C128		C144		C158		C173		C195		
28.6	0.88	33.1	0.91	40.6	0.93	45.6	0.97	52.1	0.99	60.1	1.00	67.1	1.02	74.6	1.03	85.6	1.07	61
28.2	0.88	32.7	0.91	40.2	0.93	45.2	0.97	51.7	0.98	59.7	1.00	66.7	1.02	74.2	1.03	85.2	1.07	62
27.2	0.87	31.7	0.91	39.2	0.93	44.2	0.97	50.7	0.98	58.7	1.00	65.7	1.02	73.2	1.03	84.2	1.07	63
26.6	0.87	31.1	0.91	38.6	0.93	43.6	0.97	50.1	0.98	58.1	1.00	65.1	1.02	72.6	1.03	83.6	1.07	64
23.1	0.87	27.6	0.90	35.1	0.93	40.1	0.96	46.6	0.98	54.6	1.00	61.6	1.02	69.1	1.03	80.1	1.07	65
C81		C90		C105		C115		C128		C144		C158		C173		C195		
33.3	0.88	37.8	0.91	45.3	0.94	50.3	0.97	56.8	0.99	64.8	1.01	71.8	1.02	79.3	1.03	90.3	1.07	66
31.6	0.88	36.1	0.91	43.6	0.93	48.6	0.97	55.1	0.99	63.1	1.00	70.1	1.02	77.6	1.03	88.6	1.07	67
29.9	0.88	34.4	0.91	41.9	0.93	46.9	0.97	53.4	0.99	61.4	1.00	68.4	1.02	75.9	1.03	86.9	1.07	68
29.5	0.88	34.0	0.91	41.5	0.93	46.5	0.97	53.0	0.99	61.0	1.00	68.0	1.02	75.5	1.03	86.5	1.07	69
29.0	0.88	33.5	0.91	41.0	0.93	46.0	0.97	52.5	0.98	60.5	1.00	67.5	1.02	75.0	1.03	86.0	1.07	70
C81		C90		C105		C115		C128		C144		C158		C173		C195		
27.8	0.88	32.3	0.91	39.8	0.93	44.8	0.97	51.3	0.98	59.3	1.00	66.3	1.02	73.8	1.03	84.8	1.07	71
27.5	0.87	32.0	0.91	39.5	0.93	44.5	0.97	51.0	0.98	59.0	1.00	66.0	1.02	73.5	1.03	84.5	1.07	72
26.8	0.87	31.3	0.91	38.8	0.93	43.8	0.97	50.3	0.98	58.3	1.00	65.3	1.02	72.8	1.03	83.8	1.07	73
26.1	0.87	30.6	0.91	38.1	0.93	43.1	0.97	49.6	0.98	57.6	1.00	64.6	1.02	72.1	1.03	83.1	1.07	74
25.4	0.87	30.0	0.91	37.5	0.93	42.5	0.97	49.0	0.98	57.0	1.00	64.0	1.02	71.5	1.03	82.5	1.07	75

B

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Datum Diameter Driver	Datum Diameter Driven	Type Fix.	Type Var.	Nominal Driven Speeds and Horsepower per Belt — 1750 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	1160 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	Center Distance in Inches and "F" Factor for Browning Belts: Belt No.	C.D.	F	Belt No.	C.D.	F	Belt No.	C.D.	F
														C51			C60			C72		
1	1.19	2	6	7.8	9.4	X	—	1470	16.55	21.60	974	13.00	16.22	13.4		0.80	17.9		0.83	23.9		0.86
2	1.19	1	10	8.0	9.6	X	—	1470	17.28	22.14	974	13.57	16.64	13.1		0.80	17.6		0.82	23.6		0.86
3	1.19	2	10	8.5	10.2	X	—	1470	19.05	23.96	974	15.00	17.97	12.2		0.79	16.7		0.82	22.8		0.85
4	1.19	2	6	8.8	10.6	X	—	1470	20.08	25.08	974	15.85	18.85	11.7		0.79	16.2		0.82	22.2		0.85
5	1.19	2	6	9.5	11.4	X	—	1470	22.38	27.59	974	17.78	20.86	—		—	15.0		0.82	21.0		0.85
														C51			C68			C85		
6	1.19	1	12	10.0	12.0	X	X	1470	23.93	29.32	974	19.12	22.27	—		—	18.2		0.84	26.7		0.89
7	1.19	3	12	15.0	18.0	X	—	—	—	—	974	30.94	34.99	—		—	—		—	18.0		0.88
8	1.19	1	12	20.0	24.0	X	—	—	—	—	974	39.28	44.80	—		—	—		—	—		—
9	1.20	1	8	7.0	8.5	X	—	1458	13.52	19.35	966	10.64	14.46	14.8		0.80	23.3		0.85	31.8		0.90
10	1.20	2	6	7.4	9.0	X	—	1458	15.06	20.51	966	11.83	15.36	14.1		0.80	22.6		0.85	31.1		0.90
														C51			C60			C72		
11	1.20	2	6	7.6	9.2	X	—	1458	15.81	21.06	966	12.41	15.79	13.7		0.80	18.2		0.83	24.2		0.86
12	1.20	2	6	7.8	9.5	X	—	1458	16.55	21.65	966	13.00	16.25	13.3		0.80	17.8		0.82	23.9		0.86
13	1.20	1	6	8.2	10.0	X	—	1458	17.99	22.82	966	14.15	17.12	12.6		0.79	17.1		0.82	23.1		0.85
14	1.20	2	6	8.4	10.2	X	—	1458	18.70	23.58	966	14.72	17.68	12.3		0.79	16.8		0.82	22.8		0.85
15	1.20	2	6	9.4	11.4	X	—	1458	22.06	27.24	966	17.50	20.58	—		—	15.1		0.82	21.1		0.85
														C51			C60			C72		
16	1.21	2	6	6.0	7.4	X	—	1446	9.56	16.38	958	7.71	12.20	16.4		0.80	20.9		0.83	26.9		0.86
17	1.21	1	8	7.0	8.6	X	—	1446	13.52	19.39	958	10.64	14.49	14.7		0.80	19.2		0.83	25.2		0.86
18	1.21	2	6	7.2	8.8	X	—	1446	14.29	19.96	958	11.24	14.93	14.4		0.80	18.9		0.83	24.9		0.86
19	1.21	2	6	7.5	9.2	X	—	1446	15.43	20.83	958	12.12	15.60	13.8		0.80	18.3		0.82	24.3		0.86
20	1.21	2	6	7.8	9.6	X	—	1446	16.55	21.69	958	13.00	16.27	13.3		0.79	17.8		0.82	23.8		0.85
														C51			C60			C72		
21	1.21	2	10	8.0	9.8	X	—	1446	17.28	22.22	958	13.57	16.70	12.9		0.79	17.5		0.82	23.5		0.85
22	1.21	1	10	8.6	10.5	X	—	1446	19.40	24.33	958	15.28	18.26	11.9		0.79	16.4		0.82	22.4		0.85
23	1.21	1	12	9.0	11.0	X	X	1446	20.75	25.81	958	16.40	19.43	—		—	15.7		0.82	21.7		0.85
24	1.21	2	12	9.8	12.0	X	—	1446	23.32	28.64	958	18.59	21.71	—		—	14.3		0.82	20.3		0.85
25	1.21	1	12	10.6	13.0	X	—	1446	25.68	31.29	958	20.70	23.93	—		—	—		—	18.9		0.85
														C51			C60			C72		
26	1.22	2	6	7.6	9.4	X	—	1434	15.97	21.14	950	12.52	15.85	13.6		0.80	18.1		0.82	24.1		0.85
27	1.22	1	10	8.5	10.5	X	—	1434	19.21	23.96	950	15.11	17.97	12.0		0.79	16.5		0.82	22.5		0.85
28	1.22	1	10	8.6	10.6	X	—	1434	19.56	24.33	950	15.39	18.26	11.8		0.79	16.3		0.82	22.4		0.85
29	1.22	2	6	9.2	11.4	X	—	1434	21.57	26.53	950	17.06	20.00	—		—	15.2		0.82	21.3		0.85
30	1.22	1	12	10.5	13.0	X	—	1434	25.56	30.97	950	20.55	23.66	—		—	—		—	19.0		0.85
														C51			C60			C72		
31	1.22	2	6	11.4	14.0	X	—	1434	27.99	33.78	950	22.85	26.09	—		—	—		—	17.5		0.84
32	1.22	1	12	13.0	16.0	X	—	1434	31.60	38.17	950	26.70	30.22	—		—	—		—	—		—
33	1.23	1	4	5.6	7.0	X	—	1422	8.17	15.16	943	6.67	11.29	17.0		0.80	21.5		0.83	27.6		0.86
34	1.23	1	6	6.0	7.5	X	—	1422	9.66	16.43	943	7.74	12.23	16.3		0.80	20.8		0.83	26.8		0.86
35	1.23	2	6	7.2	9.0	X	—	1422	14.45	20.04	943	11.34	14.98	14.2		0.80	18.7		0.82	24.7		0.85
														C51			C60			C72		
36	1.23	2	6	7.4	9.2	X	—	1422	15.22	20.60	943	11.93	15.41	13.9		0.80	18.4		0.82	24.4		0.85
37	1.23	1	6	7.6	9.5	X	—	1422	15.97	21.18	943	12.52	15.87	13.5		0.79	18.0		0.82	24.0		0.85
38	1.23	1	10	8.0	10.0	X	—	1422	17.44	22.29	943	13.68	16.75	12.8		0.79	17.3		0.82	23.3		0.85
39	1.23	2	6	8.2	10.2	X	—	1422	18.15	22.82	943	14.25	17.17	12.5		0.79	17.0		0.82	23.0		0.85
40	1.23	2	6	8.4	10.5	X	—	1422	18.86	23.58	943	14.82	17.68	12.1		0.79	16.6		0.82	22.6		0.85
														C51			C60			C72		
41	1.23	1	10	8.5	10.6	X	—	1422	19.21	23.96	943	15.11	17.97	11.9		0.79	16.4		0.82	22.4		0.85
42	1.23	2	6	8.8	11.0	X	—	1422	20.24	25.08	943	15.95	18.85	11.4		0.79	15.9		0.82	21.9		0.85
43	1.24	2	6	7.0	8.8	X	—	1411	13.75	19.48	935	10.79	14.54	14.5		0.80	19.0		0.82	25.0		0.86
44	1.24	2	6	7.5	9.4	X	—	1411	15.66	20.91	935	12.27	15.66	13.7		0.79	18.2		0.82	24.2		0.85
45	1.24	2	6	7.8	9.8	X	—	1411	16.77	21.76	935	13.15	16.32	13.1		0.79	17.6		0.82	23.6		0.85
														C51			C68			C85		
46	1.24	1	12	9.6	12.0	X	—	1411	22.85	27.94	935	18.15	21.14	—		—	18.5		0.84	27.0		0.89
47	1.24	3	12	12.0	15.0	X	—	1411	29.52	35.70	935	24.37	27.79	—		—	—		—	22.7		0.89
48	1.24	1	12	16.0	20.2	X	—	—	—	—	935	33.07	37.33	—		—	—		—	—		—
49	1.25	3	4	5.5	7.0	X	—	1400	7.86	14.90	928	6.43	11.09	17.1		0.80	25.6		0.85	34.1		0.90
50	1.25	1	6	6.0	7.6	X	—	1400	9.73	16.47	928	7.77	12.26	16.3		0.80	24.8		0.85	33.3		0.90
														C51			C60			C72		
51	1.25	2	6	7.4	9.4	X	—	1400	15.28	20.67	928	11.98	15.46	13.7		0.79	18.2		0.82	24.2		0.85
52	1.25	1	6	7.5	9.5	X	—	1400	15.66	20.94	928	12.27	15.68	13.6		0.79	18.1		0.82	24.1		0.85
53	1.25	1	6	7.6	9.6	X	—	1400	16.03	21.22	928	12.56	15.89	13.4		0.79	17.9		0.82	23.9		0.85
54	1.25	2	6	8.4	10.6	X	—	1400	18.93	23.77	928	14.87	17.80	12.0		0.79	16.5		0.82	22.5		0.85
55	1.25	2	6	9.0	11.4	X	X	1400	20.98	26.00	928	16.55	19.55	—		—	15.4		0.82	21.4		0.85
														C51			C60			C72		
56	1.25	1	12	9.5	12.0	X	—	1400	22.60	27.78	928	17.93	20.99	—		—	14.5		0.81	20.5		0.85
57	1.26	2	4	5.6	7.2	X	—	1388	8.26	15.25	920	6.73	11.35	16.9		0.80	21.4		0.83	27.4		0.86
58	1.26	2	6	7.2	9.2	X	—	1388	14.52	20.11	920	11.39	15.03	14.0		0.79	18.5		0.82	24.6		0.85
59	1.26	2	6	7.4	9.5	X	—	1388	15.28	20.70	920	11.98	15.49	13.6		0.79	18.2		0.82	24.2		0.85
60	1.26	1	6	7.5	9.6	X	—	1388	15.66	20.98	920	12.27	15.70	13.5		0.79	18.0		0.82	24.0		0.85
														C51			C60			C72		
61	1.26	2	6	7.8	10.0	X	—	1388	16.77	21.82	920	13.15	16.37	12.9		0.79	17.4		0.82	23.5		0.85
62	1.26	2	10	8.0	10.2	X	—	1388	17.50	22.36	920	13.73	16.79	12.6		0.79	17.1		0.82	23.1		0.85
63	1.26	1	6	8.2	10.5	X	—	1388	18.22	23.01	920	14.30	17.23	12.2		0.79	16.7		0.82	22.7		0.85
64	1.26	1	10	8.6	11.0	X	—	1388	19.62	24.52	920	15.43	18.39	11.5		0.78	16.0		0.82	22.0		0.85
65	1.26	2	12	9.4	12.0	X	—	1388	22.29	27.43	920	17.65	20.70	—		—	14.6		0.81	20.6		0.85
														C51			C60			C72		
66	1.26	2	12	10.2	13.0	X	X	1388	24.75	30.18	920	19.80	22.95	—		—	13.2		0.81	19.2		0.84
67	1.26	1	12	11.0	14.0	X	X	1388	27.01	32.75	920	21.88	25.14	—		—	—		—	17.8		0.84
68	1.27	1	8	7.0	9.0	X	—	1377	13.75	19.55	913	10.79	14.59	14.4		0.79	18.9		0.82	24.9		0.85
69	1.27	2	6	7.6	9.8	X	—	1377	16.03	21.28	913	12.56	15.94	13.2		0.79	17.8		0.82	23.8		0.85
70	1.27	1	6	8.2	10.6	X	—	1377	18.22	23.01	913	14.30	17.25	12.1		0.79	16.6		0.82	22.7		0.85
														C51			C60			C72		
71	1.27	1	12	14.0	18.0	X	—	—	—	—	913	28.98	32.78	—		—	—		—	—		—
72	1.28	3	4	5.5	7.2	X	—	1367	7.95	14.99	906	6.49	11.15	17.0		0.80	21.5		0.83	27.5		0.86
73	1.28	2	6	6.0	7.8	X	—	1367	9.74	16.55	906	7.83	12.32	16.1		0.80	20.6		0.83	26.6		0.86
74	1.28	2	6	7.2	9.4	X	—	1367	14.52	20.18	906	11.39	15.07	13.9		0.79	18.4		0.82	24.4		0.85
75	1.28	2	6	7.4	9.6	X	—	1367	15.28	20.73	906	11.98	15.51	13.6		0.79	18.1		0.82	24.1		0.85

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts

Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
C81		C90		C105		C115		C128		C144		C158		C173		C195		
28.4	0.88	32.9	0.91	40.4	0.93	45.4	0.97	51.9	0.98	59.9	1.00	66.9	1.02	74.4	1.03	85.4	1.07	1
28.1	0.88	32.6	0.91	40.1	0.93	45.1	0.97	51.6	0.98	59.6	1.00	66.6	1.02	74.1	1.03	85.1	1.07	2
27.3	0.87	31.8	0.91	39.3	0.93	44.3	0.97	50.8	0.98	58.8	1.00	65.8	1.02	73.3	1.03	84.3	1.07	3
26.7	0.87	31.2	0.91	38.7	0.93	43.7	0.97	50.2	0.98	58.2	1.00	65.2	1.02	72.7	1.03	83.7	1.00	4
25.5	0.87	30.0	0.91	37.5	0.93	42.5	0.97	49.0	0.98	57.0	1.00	64.0	1.02	71.5	1.03	82.5	1.07	5
C100		C115		C128		C144		C162		C180		C195		C210		C225		
34.2	0.92	41.7	0.97	48.2	0.98	56.2	1.00	65.2	1.02	74.2	1.06	81.7	1.07	89.2	1.08	95.7	1.09	6
25.5	0.91	33.0	0.96	39.5	0.98	47.5	1.00	56.5	1.02	65.5	1.05	73.0	1.07	80.5	1.08	87.0	1.09	7
—	—	24.3	0.95	30.8	0.97	38.9	0.99	47.9	1.01	56.9	1.05	64.4	1.06	71.9	1.08	78.4	1.09	8
39.3	0.93	46.8	0.97	53.3	0.98	61.3	1.00	70.3	1.02	79.3	1.06	86.8	1.07	94.3	1.08	100.8	1.09	9
38.6	0.92	46.1	0.97	52.6	0.98	60.6	1.00	69.6	1.02	78.6	1.06	86.1	1.07	93.6	1.08	100.1	1.09	10
C81		C90		C105		C115		C128		C144		C158		C173		C195		
28.8	0.88	33.3	0.91	40.8	0.93	45.8	0.97	52.3	0.98	60.3	1.00	67.3	1.02	74.8	1.03	85.8	1.07	11
28.4	0.87	32.9	0.91	40.4	0.93	45.4	0.97	51.9	0.98	59.9	1.00	66.9	1.02	74.4	1.03	85.4	1.07	12
27.6	0.87	32.2	0.91	39.7	0.93	44.7	0.97	51.2	0.98	59.2	1.00	66.2	1.02	73.7	1.03	84.7	1.07	13
27.3	0.87	31.8	0.91	39.3	0.93	44.3	0.97	50.8	0.98	58.8	1.00	65.8	1.02	73.3	1.03	84.3	1.07	14
25.6	0.87	30.1	0.90	37.6	0.93	42.6	0.97	49.1	0.98	57.1	1.00	64.1	1.02	71.6	1.03	82.6	1.07	15
C81		C90		C105		C115		C128		C144		C158		C173		C195		
31.4	0.88	35.9	0.91	43.4	0.93	48.4	0.97	54.9	0.99	62.9	1.00	69.9	1.02	77.4	1.03	88.4	1.07	16
29.7	0.88	34.2	0.91	41.7	0.93	46.7	0.97	53.2	0.98	61.2	1.00	68.2	1.02	75.7	1.03	86.7	1.07	17
29.4	0.88	33.9	0.91	41.4	0.93	46.4	0.97	52.9	0.98	60.9	1.00	67.9	1.02	75.4	1.03	86.4	1.07	18
28.8	0.87	33.3	0.91	40.8	0.93	45.8	0.97	52.3	0.98	60.3	1.00	67.3	1.02	74.8	1.03	85.8	1.07	19
28.3	0.87	32.8	0.91	40.3	0.93	45.3	0.97	51.8	0.98	59.8	1.00	66.8	1.02	74.3	1.03	85.3	1.07	20
C81		C90		C105		C115		C128		C144		C158		C173		C195		
28.0	0.87	32.5	0.91	40.0	0.93	45.0	0.97	51.5	0.98	59.5	1.00	66.5	1.02	74.0	1.03	85.0	1.07	21
26.9	0.87	31.4	0.91	38.9	0.93	43.9	0.97	50.4	0.98	58.4	1.00	65.4	1.02	73.0	1.03	84.0	1.07	22
26.2	0.87	30.7	0.90	38.2	0.93	43.2	0.97	49.7	0.98	57.7	1.00	64.7	1.02	72.2	1.03	83.2	1.07	23
24.8	0.87	29.3	0.90	36.8	0.93	41.8	0.96	48.3	0.98	56.3	1.00	63.3	1.02	70.8	1.03	81.8	1.07	24
23.4	0.87	27.9	0.90	35.4	0.93	40.4	0.96	46.9	0.98	54.9	1.00	61.9	1.02	69.4	1.03	80.4	1.07	25
C81		C90		C105		C115		C128		C144		C158		C173		C195		
28.6	0.87	33.1	0.91	40.6	0.93	45.6	0.97	52.1	0.98	60.1	1.00	67.1	1.02	74.6	1.03	85.6	1.07	26
27.0	0.87	31.5	0.91	39.0	0.93	44.0	0.97	50.5	0.98	58.5	1.00	65.5	1.02	73.0	1.03	84.0	1.07	27
26.9	0.87	31.4	0.91	38.9	0.93	43.9	0.97	50.4	0.98	58.4	1.00	65.4	1.02	72.9	1.03	83.9	1.07	28
25.8	0.87	30.3	0.90	37.8	0.93	42.8	0.96	49.3	0.98	57.3	1.00	64.3	1.02	71.8	1.03	82.8	1.07	29
23.5	0.87	28.0	0.90	35.5	0.93	40.5	0.96	47.0	0.98	55.0	1.00	62.0	1.02	69.5	1.03	80.5	1.07	30
C81		C90		C105		C115		C128		C144		C158		C173		C195		
22.0	0.87	26.5	0.90	34.0	0.93	39.0	0.96	45.5	0.98	53.5	1.00	60.5	1.02	68.0	1.03	79.0	1.07	31
19.1	0.86	23.6	0.90	31.1	0.92	36.2	0.96	42.7	0.98	50.7	1.00	57.7	1.01	65.2	1.03	76.2	1.07	32
32.1	0.88	36.6	0.91	44.1	0.93	49.1	0.97	55.6	0.99	63.6	1.00	70.6	1.02	78.1	1.03	89.1	1.07	33
31.3	0.88	35.8	0.91	43.3	0.93	48.3	0.97	54.8	0.99	62.8	1.00	69.8	1.02	77.3	1.03	88.3	1.07	34
29.2	0.87	33.7	0.91	41.2	0.93	46.2	0.97	52.7	0.98	60.7	1.00	67.7	1.02	75.2	1.03	86.2	1.07	35
C81		C90		C105		C115		C128		C144		C158		C173		C195		
28.9	0.87	33.4	0.91	40.9	0.93	45.9	0.97	52.4	0.98	60.4	1.00	67.4	1.02	74.9	1.03	85.9	1.07	36
28.5	0.87	33.0	0.91	40.5	0.93	45.5	0.97	52.0	0.98	60.0	1.00	67.0	1.02	74.5	1.03	85.5	1.07	37
27.8	0.87	32.3	0.91	39.8	0.93	44.8	0.97	51.3	0.98	59.3	1.00	66.3	1.02	73.8	1.03	84.8	1.07	38
27.5	0.87	32.0	0.91	39.5	0.93	44.5	0.97	51.0	0.98	59.0	1.00	66.0	1.02	73.5	1.03	84.5	1.07	39
27.1	0.87	31.6	0.90	39.1	0.93	44.1	0.97	50.6	0.98	58.6	1.00	65.6	1.02	73.1	1.03	84.1	1.07	40
C81		C90		C105		C115		C128		C144		C158		C173		C195		
26.9	0.87	31.4	0.90	38.9	0.93	43.9	0.97	50.4	0.98	58.4	1.00	65.4	1.02	72.9	1.03	83.9	1.07	41
26.4	0.87	30.9	0.90	38.4	0.93	43.4	0.96	49.9	0.98	57.9	1.00	64.9	1.02	72.4	1.03	83.4	1.07	42
29.5	0.87	34.0	0.91	41.5	0.93	46.5	0.97	53.0	0.98	61.0	1.00	68.0	1.02	75.5	1.03	86.5	1.07	43
28.7	0.87	33.2	0.91	40.7	0.93	45.7	0.97	52.2	0.98	60.2	1.00	67.2	1.02	74.7	1.03	85.7	1.07	44
28.1	0.87	32.6	0.91	40.1	0.93	45.1	0.97	51.6	0.98	59.6	1.00	66.6	1.02	74.1	1.03	85.1	1.07	45
C100		C115		C128		C144		C162		C180		C195		C210		C225		
34.5	0.92	42.0	0.96	48.5	0.98	56.5	1.00	65.5	1.02	74.5	1.06	82.0	1.07	89.5	1.08	96.0	1.09	46
30.2	0.92	37.7	0.96	44.2	0.98	52.2	1.00	61.2	1.02	70.2	1.06	77.7	1.07	85.2	1.08	91.7	1.09	47
23.1	0.90	30.6	0.95	37.1	0.97	45.1	0.99	54.2	1.01	63.2	1.05	70.7	1.07	78.2	1.08	84.7	1.09	48
41.6	0.93	49.1	0.97	55.6	0.99	63.6	1.00	72.6	1.02	81.6	1.06	89.1	1.07	96.6	1.08	103.1	1.09	49
40.8	0.93	48.3	0.97	54.8	0.98	62.8	1.00	71.8	1.02	80.8	1.06	88.3	1.07	95.8	1.08	102.3	1.09	50
C81		C90		C105		C115		C128		C144		C158		C173		C195		
28.7	0.87	33.2	0.91	40.7	0.93	45.8	0.97	52.3	0.98	60.3	1.00	67.3	1.02	74.8	1.03	85.8	1.07	51
28.6	0.87	33.1	0.91	40.6	0.93	45.6	0.97	52.1	0.98	60.1	1.00	67.1	1.02	74.6	1.03	85.6	1.07	52
28.4	0.87	32.9	0.91	40.4	0.93	45.4	0.97	51.9	0.98	59.0	1.00	66.9	1.02	74.4	1.03	85.4	1.07	53
27.0	0.87	31.5	0.90	39.0	0.93	44.0	0.96	50.5	0.98	58.5	1.00	65.5	1.02	73.0	1.03	84.0	1.07	54
25.9	0.87	30.4	0.90	37.9	0.93	42.9	0.96	49.4	0.98	57.4	1.00	64.4	1.02	71.9	1.03	82.9	1.07	55
C81		C90		C105		C115		C128		C144		C158		C173		C195		
25.0	0.87	29.5	0.90	37.1	0.93	42.1	0.96	48.6	0.98	56.6	1.00	63.6	1.02	71.1	1.03	82.1	1.07	56
31.9	0.88	36.4	0.91	43.9	0.93	48.9	0.97	55.4	0.98	63.4	1.00	70.4	1.02	77.9	1.03	88.9	1.07	57
29.1	0.87	33.6	0.91	41.1	0.93	46.1	0.97	52.6	0.98	60.6	1.00	67.6	1.02	75.1	1.03	86.1	1.07	58
28.7	0.87	33.2	0.91	40.7	0.93	45.7	0.97	52.2	0.98	60.2	1.00	67.2	1.02	74.7	1.03	85.7	1.07	59
28.5	0.87	33.0	0.91	40.5	0.93	45.5	0.97	52.0	0.98	60.0	1.00	67.0	1.02	74.5	1.03	85.5	1.07	60
C81		C90		C105		C115		C128		C144		C158		C173		C195		
28.0	0.87	32.5	0.90	40.0	0.93	45.0	0.96	51.5	0.98	59.5	1.00	66.5	1.02	74.0	1.03	85.0	1.07	61
27.6	0.87	32.1	0.90	39.6	0.93	44.6	0.96	51.2	0.98	59.2	1.00	66.2	1.02	73.7	1.03	84.7	1.07	62
27.2	0.87	31.7	0.90	39.3	0.93	44.3	0.96	50.8	0.98	58.8	1.00	65.8	1.02	73.3	1.03	84.3	1.07	63
26.5	0.87	31.0	0.90	38.5	0.93	43.5	0.96	50.0	0.98	58.1	1.00	65.1	1.02	72.6	1.03	83.6	1.07	64
25.1	0.87	29.6	0.90	37.1	0.93	42.1	0.96	48.6	0.98	56.6	1.00	63.6	1.02	71.1	1.03	82.1	1.07	65
C81		C90		C105		C115		C128		C144		C158		C173		C195		
23.7	0.87	28.2	0.90	35.7	0.93	40.7	0.96	47.2	0.98	55.2	1.00	62.2	1.01	69.7	1.03	80.7	1.07	66
22.3	0.86	26.8	0.90	34.3	0.93	39.3	0.96	45.8	0.98	53.8	1.00	60.8	1.01	68.3	1.03	79.3	1.07	67
29.4	0.87	33.9	0.91	41.4	0.93	46.4	0.97	52.9	0.98	60.9	1.00	67.9	1.02	75.4	1.03	86.4	1.07	68
28.3	0.87	32.8	0.90	40.3	0.93	45.3	0.97	51.8	0.98	59.8	1.00	66.8	1.02	74.3	1.03	85.3	1.07	69
27.2	0.87	31.7	0.90	39.2	0.93	44.2	0.96	50.7	0.98	58.7	1.00	65.7	1.02	73.2	1.03	84.2	1.07	70
C81		C90		C105		C115		C128		C144		C158		C173		C195		
—	—	21.2	0.89	28.8	0.92	33.8	0.95	40.3	0.97	48.3	0.99	55.3	1.01	62.8	1.03	73.8	1.07	71
32.0	0.88	36.5	0.91	44.0	0.93	49.0	0.97	55.5	0.98	63.5	1.00	70.5	1.02	78.0	1.03	89.0	1.07	72
31.1	0.88	35.6	0.91	43.1	0.93	48.1	0.97	54.6	0.98	62.6	1.00	69.6	1.02	77.1	1.03	88.1	1.07	73
28.9	0.87	33.4	0.90	40.9	0.93	45.9	0.97	52.4	0.98	60.4	1.00	67.4	1.02	74.9	1.03	85.9	1.07	74
28.6	0.87	33.1	0.90	40.6	0.93	45.6	0.97	52.1	0.98	60.1	1.00	67.1	1.02	74.6	1.03	85.6	1.07	75

B

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Datum Diameter Driver	Datum Diameter Driven	Type Fix.	Type Var.	Nominal Driven Speeds and Horsepower per Belt — 1750 RPM Driver: Nominal Driven Speed	HP per Belt Super	HP per Belt Gripnotch	1160 RPM Driver: Nominal Driven Speed	HP per Belt Super	HP per Belt Gripnotch	Center Distance in Inches and "F" Factor for Browning Belts: Belt No. C.D.	F	Belt No. C.D.	F	Belt No. C.D.	F
														C51		C60		C72	
1	1.28	1	10	8.5	11.0	X	—	1367	19.28	24.15	906	15.15	18.10	11.6	0.78	16.1	0.82	22.1	0.85
2	1.28	2	6	8.8	11.4	X	—	1367	20.31	25.26	906	16.00	18.97	—	—	15.5	0.81	21.6	0.85
3	1.28	1	12	10.0	13.0	X	X	1367	24.15	29.51	906	19.27	22.40	—	—	13.3	0.81	19.3	0.84
4	1.29	2	8	7.0	9.2	X	—	1356	13.75	19.61	899	10.79	14.64	14.2	0.79	18.7	0.82	24.7	0.85
5	1.29	2	6	7.5	9.8	X	—	1356	15.66	21.04	899	12.27	15.74	13.3	0.79	17.8	0.82	23.8	0.85
														C51		C60		C72	
6	1.29	2	6	7.8	10.2	X	—	1356	16.77	21.88	899	13.15	16.40	12.8	0.79	17.3	0.82	23.3	0.85
7	1.29	1	10	8.0	10.5	X	—	1356	17.50	22.45	899	13.73	16.85	12.4	0.79	16.9	0.82	22.9	0.85
8	1.29	2	6	8.4	11.0	X	—	1356	18.93	23.77	899	14.87	17.80	11.6	0.78	16.2	0.82	22.2	0.85
9	1.29	2	12	9.2	12.0	X	—	1356	21.64	26.72	899	17.11	20.13	—	—	14.7	0.81	20.8	0.85
10	1.30	2	4	5.6	7.4	X	—	1346	8.34	15.34	892	6.78	11.40	16.7	0.80	21.2	0.83	27.2	0.86
														C51		C60		C72	
11	1.30	2	6	7.2	9.5	X	—	1346	14.52	20.21	892	11.39	15.09	13.8	0.79	18.3	0.82	24.3	0.85
12	1.30	2	6	7.4	9.8	X	—	1346	15.28	20.79	892	11.98	15.55	13.4	0.79	17.9	0.82	23.9	0.85
13	1.30	1	6	7.6	10.0	X	—	1346	16.03	21.34	892	12.56	15.98	13.1	0.79	17.6	0.82	23.6	0.85
14	1.30	1	10	8.0	10.6	X	—	1346	17.50	22.47	892	13.73	16.87	12.3	0.78	16.8	0.82	22.8	0.85
15	1.30	1	12	10.6	14.0	X	—	1346	25.91	31.48	892	20.85	24.06	—	—	—	—	18.1	0.84
														C51		C60		C72	
16	1.30	3	6	11.4	15.0	X	—	1346	28.05	33.97	892	22.89	26.22	—	—	—	—	16.6	0.83
17	1.31	1	4	5.6	7.5	X	—	1335	8.38	15.37	885	6.80	11.43	16.6	0.80	21.1	0.83	27.1	0.86
18	1.31	1	6	6.0	8.0	X	—	1335	9.81	16.62	885	7.87	12.36	15.9	0.80	20.4	0.82	26.4	0.85
19	1.31	2	6	7.2	9.6	X	—	1335	14.52	20.24	885	11.39	15.11	13.7	0.79	18.2	0.82	24.2	0.85
20	1.31	1	6	7.5	10.0	X	—	1335	15.66	21.10	885	12.27	15.78	13.2	0.79	17.7	0.82	23.7	0.85
														C51		C60		C72	
21	1.31	2	6	8.6	11.4	X	—	1335	19.62	24.52	885	15.43	18.39	—	—	15.7	0.81	21.7	0.85
22	1.31	1	12	9.0	12.0	X	X	1335	20.98	26.00	885	16.55	19.55	—	—	14.9	0.81	20.9	0.84
23	1.31	2	12	9.8	13.0	X	—	1335	23.54	28.82	885	18.74	21.83	—	—	13.5	0.80	19.5	0.84
24	1.32	3	4	5.5	7.4	X	—	1325	8.02	15.06	878	6.54	11.19	16.8	0.80	21.3	0.83	27.3	0.86
25	1.32	2	8	7.0	9.4	X	—	1325	13.91	19.67	878	10.90	14.67	14.0	0.79	18.5	0.82	24.5	0.85
														C51		C60		C72	
26	1.32	2	6	7.6	10.2	X	—	1325	16.20	21.40	878	12.87	16.01	12.9	0.79	17.4	0.82	23.4	0.85
27	1.32	2	6	7.8	10.5	X	—	1325	16.94	21.96	878	13.26	16.46	12.5	0.78	17.0	0.82	23.0	0.85
28	1.32	1	6	8.2	11.0	X	—	1325	18.38	23.05	878	14.41	17.32	11.8	0.78	16.3	0.81	22.3	0.85
29	1.32	2	6	8.5	11.4	X	—	1325	19.44	24.15	878	15.26	18.10	—	—	15.8	0.81	21.8	0.85
30	1.32	1	12	10.5	14.0	X	—	1325	25.78	31.16	878	20.70	23.78	—	—	—	—	18.1	0.84
														C51		C68		C85	
31	1.32	1	12	12.0	16.0	X	—	1325	29.68	35.70	878	24.48	27.79	—	—	—	—	21.9	0.88
32	1.32	3	12	15.0	20.0	X	—	—	—	—	878	31.20	35.11	—	—	—	—	—	—
33	1.32	1	12	18.0	24.0	X	—	—	—	—	878	36.67	41.39	—	—	—	—	—	—
34	1.33	3	4	5.5	7.5	X	—	1315	8.06	15.10	872	6.56	11.22	16.7	0.80	25.2	0.85	33.7	0.90
35	1.33	1	4	5.6	7.6	X	—	1315	8.41	15.40	872	6.83	11.45	16.6	0.80	25.1	0.85	33.6	0.90
														C51		C60		C72	
36	1.33	1	8	7.0	9.5	X	—	1315	13.91	19.70	872	10.90	14.69	13.9	0.79	18.5	0.82	24.5	0.85
37	1.33	2	6	7.4	10.0	X	—	1315	15.45	20.85	872	12.09	15.58	13.2	0.79	17.7	0.82	23.8	0.85
38	1.34	1	6	6.0	8.2	X	—	1305	9.99	16.69	865	7.93	12.40	15.8	0.79	20.3	0.82	26.3	0.85
39	1.34	2	6	7.2	9.8	X	—	1305	14.78	20.29	865	11.56	15.15	13.5	0.79	18.1	0.82	24.1	0.85
40	1.34	2	6	7.5	10.2	X	—	1305	15.92	21.15	865	12.44	15.81	13.0	0.78	17.5	0.82	23.5	0.85
														C60		C75		C90	
41	1.34	2	6	7.8	10.6	X	—	1305	17.03	21.99	865	13.32	16.47	16.9	0.81	24.5	0.86	32.0	0.90
42	1.34	2	6	8.4	11.4	X	—	1305	19.18	23.98	865	15.04	17.94	15.8	0.81	23.4	0.85	30.9	0.90
43	1.34	2	6	8.8	12.0	X	—	1305	20.56	25.48	865	16.17	19.11	15.0	0.81	22.6	0.85	30.1	0.90
44	1.34	1	12	9.6	13.0	X	—	1305	23.08	28.13	865	18.31	21.27	13.6	0.80	21.1	0.85	28.7	0.90
45	1.34	2	12	20.0	27.0	X	—	—	—	—	865	39.60	45.07	—	—	—	—	—	—
														C51		C60		C72	
46	1.35	3	4	5.5	7.6	X	—	1296	8.09	15.13	859	6.58	11.24	16.6	0.80	21.1	0.82	27.1	0.85
47	1.35	1	8	7.0	9.6	X	—	1296	14.00	19.72	859	10.96	14.71	13.9	0.79	18.4	0.82	24.4	0.85
48	1.35	2	6	7.4	10.2	X	—	1296	15.54	20.89	859	12.15	15.61	13.1	0.78	17.6	0.82	23.6	0.85
49	1.35	1	10	8.0	11.0	X	—	1296	17.76	22.56	859	13.90	16.93	11.9	0.78	16.5	0.81	22.5	0.85
50	1.35	1	12	9.5	13.0	X	—	1296	22.86	28.00	859	18.10	21.13	—	—	13.7	0.80	19.7	0.84
														C51		C60		C72	
51	1.35	2	12	10.2	14.0	X	X	1296	25.01	30.39	859	19.97	23.09	—	—	—	—	18.4	0.84
52	1.35	3	12	11.0	15.0	X	X	1296	27.26	32.96	859	22.05	25.29	—	—	—	—	16.9	0.83
53	1.36	2	4	5.6	7.8	X	—	1286	8.47	15.47	852	6.87	11.49	16.4	0.79	20.9	0.82	26.9	0.85
54	1.36	2	6	7.2	10.0	X	—	1286	14.78	20.34	852	11.56	15.18	13.4	0.78	17.9	0.82	23.9	0.85
55	1.36	1	6	7.6	10.5	X	—	1286	16.29	21.47	852	12.74	16.06	12.7	0.78	17.2	0.81	23.2	0.85
														C51		C60		C72	
56	1.36	2	12	9.4	13.0	X	—	1286	22.54	27.64	852	17.82	20.84	—	—	13.7	0.80	19.8	0.84
57	1.37	3	4	5.0	7.0	X	—	1277	6.26	13.52	846	5.23	10.05	17.5	0.80	22.0	0.82	28.0	0.86
58	1.37	2	6	6.0	8.4	X	—	1277	9.99	16.74	846	7.95	12.44	15.6	0.79	20.1	0.82	26.1	0.85
59	1.37	2	8	7.0	9.8	X	—	1277	14.00	19.77	846	10.96	14.74	13.7	0.79	18.2	0.82	24.2	0.85
60	1.37	1	6	7.5	10.5	X	—	1277	15.92	21.21	846	12.44	15.86	12.7	0.78	17.3	0.81	23.3	0.85
														C51		C60		C72	
61	1.37	1	6	7.6	10.6	X	—	1277	16.29	21.49	846	12.74	16.07	12.6	0.78	17.1	0.81	23.1	0.85
62	1.37	2	6	8.2	11.4	X	—	1277	18.48	23.22	846	14.47	17.38	11.5	0.78	16.0	0.81	22.0	0.84
63	1.37	1	10	8.6	12.0	X	—	1277	19.88	24.74	846	15.60	18.53	—	—	15.2	0.81	21.2	0.84
64	1.37	1	12	13.0	18.0	X	—	1277	31.92	38.57	846	26.91	30.48	—	—	—	—	—	—
65	1.38	3	4	5.5	7.8	X	—	1268	8.15	15.18	840	6.62	11.27	16.5	0.79	21.0	0.82	27.0	0.85
														C51		C60		C72	
66	1.38	1	12	10.0	14.0	X	X	1268	24.41	29.72	840	19.44	22.54	—	—	—	—	18.5	0.83
67	1.38	2	6	11.4	16.0	X	—	1268	28.31	34.18	840	23.06	26.36	—	—	—	—	15.8	0.82
68	1.39	1	6	6.0	8.5	X	—	1258	9.99	16.77	834	7.97	12.46	15.5	0.79	20.0	0.82	26.0	0.85
69	1.39	2	6	7.2	10.2	X	—	1258	14.78	20.38	834	11.56	15.20	13.2	0.78	17.7	0.81	23.7	0.85
70	1.39	2	6	7.4	10.5	X	—	1258	15.54	20.96	834	12.15	15.65	12.8	0.78	17.3	0.81	23.3	0.85
														C51		C60		C72	
71	1.39	1	6	7.5	10.6	X	—	1258	15.92	21.23	834	12.44	15.87	12.6	0.78	17.2	0.81	23.2	0.85
72	1.39	2	6	7.8	11.0	X	—	1258	17.03	22.07	834	13.32	16.53	12.1	0.78	16.6	0.81	22.6	0.85
73	1.39	1	10	8.5	12.0	X	—	1258	19.53	24.36	834	15.32	18.24	—	—	15.3	0.81	21.3	0.84
74	1.39	2	12	9.2	13.0	X	—	1258	21.89	26.93	834	17.28	20.27	—	—	13.9	0.80	19.9	0.84
75	1.40	3	4	5.0	7.2	X	—	1250	6.31	13.58	828	5.27	10.09	17.3	0.80	21.8	0.82	27.9	0.85

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts

Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
C81		C90		C105		C115		C128		C144		C158		C173		C195		
26.6	0.87	31.1	0.90	38.6	0.93	43.6	0.96	50.1	0.98	58.1	1.00	65.1	1.02	72.6	1.03	83.6	1.07	1
26.1	0.87	30.6	0.90	38.1	0.93	43.1	0.96	49.6	0.98	57.6	1.00	64.6	1.02	72.1	1.03	83.1	1.07	2
23.8	0.87	28.4	0.90	35.9	0.93	40.9	0.96	47.4	0.98	55.4	1.00	62.4	1.01	69.9	1.03	80.9	1.07	3
29.2	0.87	33.7	0.90	41.2	0.93	46.2	0.97	52.7	0.98	60.7	1.00	67.7	1.02	75.2	1.03	86.2	1.07	4
28.3	0.87	32.8	0.90	40.4	0.93	45.4	0.96	51.9	0.98	59.9	1.00	66.9	1.02	74.4	1.03	85.4	1.07	5
C81		C90		C105		C115		C128		C144		C158		C173		C195		
27.8	0.87	32.3	0.90	39.8	0.93	44.8	0.96	51.3	0.98	59.3	1.00	66.3	1.02	73.8	1.03	84.8	1.07	6
27.4	0.87	31.9	0.90	39.4	0.93	44.4	0.96	50.9	0.98	58.9	1.00	65.9	1.02	73.4	1.03	84.4	1.07	7
26.7	0.87	31.2	0.90	38.7	0.93	43.7	0.96	50.2	0.98	58.2	1.00	65.2	1.02	72.7	1.03	83.7	1.07	8
25.3	0.87	29.8	0.90	37.3	0.93	42.3	0.96	48.8	0.98	56.8	1.00	63.8	1.01	71.3	1.03	82.3	1.07	9
31.7	0.88	36.2	0.91	43.7	0.93	48.7	0.97	55.2	0.98	63.2	1.00	70.2	1.02	77.7	1.03	88.7	1.07	10
C81		C90		C105		C115		C128		C144		C158		C173		C195		
28.8	0.87	33.3	0.90	40.8	0.93	45.8	0.96	52.3	0.98	60.3	1.00	67.3	1.02	74.8	1.03	85.8	1.07	11
28.4	0.87	32.9	0.90	40.4	0.93	45.4	0.96	51.9	0.98	59.9	1.00	66.9	1.02	74.4	1.03	85.4	1.07	12
28.1	0.87	32.6	0.90	40.1	0.93	45.1	0.96	51.6	0.98	59.6	1.00	66.6	1.02	74.1	1.03	85.1	1.07	13
27.3	0.87	31.8	0.90	39.3	0.93	44.3	0.96	50.8	0.98	58.8	1.00	65.8	1.02	73.3	1.03	84.3	1.07	14
22.6	0.86	27.1	0.90	34.6	0.92	39.6	0.96	46.1	0.98	54.1	1.00	61.1	1.01	68.6	1.03	79.6	1.07	15
C81		C90		C105		C115		C128		C144		C158		C173		C195		
21.1	0.86	25.7	0.89	33.2	0.92	38.2	0.96	44.7	0.98	52.7	1.00	59.7	1.01	67.2	1.03	78.2	1.07	16
31.7	0.87	36.2	0.91	43.7	0.93	48.7	0.97	55.2	0.98	63.2	1.00	70.2	1.02	77.7	1.03	88.7	1.07	17
30.9	0.87	35.4	0.91	42.9	0.93	47.9	0.97	54.5	0.98	62.5	1.00	69.5	1.02	77.0	1.03	88.0	1.07	18
28.7	0.87	33.2	0.90	40.7	0.93	45.7	0.96	52.2	0.98	60.3	1.00	67.3	1.02	74.8	1.03	85.8	1.07	19
28.2	0.87	32.7	0.90	40.2	0.93	45.2	0.96	51.7	0.98	59.7	1.00	66.7	1.02	74.2	1.03	85.2	1.07	20
C81		C90		C105		C115		C128		C144		C158		C173		C195		
26.2	0.87	30.7	0.90	38.2	0.93	43.2	0.96	49.7	0.98	57.7	1.00	64.7	1.02	72.2	1.03	83.2	1.07	21
25.4	0.87	29.9	0.90	37.4	0.93	42.4	0.96	48.9	0.98	56.9	1.00	63.9	1.01	71.4	1.03	82.5	1.07	22
24.0	0.86	28.5	0.90	36.0	0.92	41.0	0.96	47.5	0.98	55.5	1.00	62.5	1.01	70.0	1.03	81.0	1.07	23
31.8	0.87	36.3	0.91	43.8	0.93	48.8	0.97	55.3	0.98	63.3	1.00	70.3	1.02	77.8	1.03	88.8	1.07	24
29.1	0.87	33.6	0.90	41.1	0.93	46.1	0.96	52.6	0.98	60.6	1.00	67.6	1.02	75.1	1.03	86.1	1.07	25
C81		C90		C105		C115		C128		C144		C158		C173		C195		
27.9	0.87	32.5	0.90	40.0	0.93	45.0	0.96	51.5	0.98	59.5	1.00	66.5	1.02	74.0	1.03	85.0	1.07	26
27.6	0.87	32.1	0.90	39.6	0.93	44.6	0.96	51.1	0.98	59.1	1.00	66.1	1.02	73.6	1.03	84.6	1.07	27
26.8	0.87	31.3	0.90	38.9	0.93	43.9	0.96	50.4	0.98	58.4	1.00	65.4	1.02	72.9	1.03	83.9	1.07	28
26.3	0.87	30.8	0.90	38.3	0.93	43.3	0.96	49.8	0.98	57.8	1.00	64.8	1.01	72.3	1.03	83.3	1.07	29
22.6	0.86	27.2	0.90	34.7	0.92	39.7	0.96	46.2	0.98	54.2	1.00	61.2	1.01	68.7	1.03	79.7	1.07	30
C100		C115		C128		C144		C162		C180		C195		C210		C225		
29.4	0.91	36.9	0.96	43.4	0.97	51.4	0.99	60.4	1.02	69.4	1.05	76.9	1.07	84.4	1.08	90.9	1.09	31
23.8	0.90	31.4	0.95	37.9	0.97	45.9	0.99	54.9	1.01	63.9	1.05	71.4	1.06	78.9	1.08	85.4	1.09	32
—	—	25.8	0.94	32.3	0.96	40.4	0.98	49.4	1.01	58.4	1.04	65.9	1.06	73.4	1.07	79.9	1.08	33
41.2	0.92	48.7	0.97	55.2	0.98	63.2	1.00	72.2	1.02	81.2	1.06	88.7	1.07	96.2	1.08	102.7	1.09	34
41.1	0.92	48.6	0.97	55.1	0.98	63.1	1.00	72.1	1.02	81.1	1.06	88.6	1.07	96.1	1.08	102.6	1.09	35
C81		C90		C105		C115		C128		C144		C158		C173		C195		
29.0	0.87	33.5	0.90	41.0	0.93	46.0	0.96	52.5	0.98	60.5	1.00	67.5	1.02	75.0	1.03	86.0	1.07	36
28.3	0.87	32.8	0.90	40.3	0.93	45.3	0.96	51.8	0.98	59.8	1.00	66.8	1.02	74.3	1.03	85.3	1.07	37
30.8	0.87	35.3	0.91	42.8	0.93	47.8	0.97	54.3	0.98	62.3	1.00	69.3	1.02	76.8	1.03	87.8	1.07	38
28.6	0.87	33.1	0.90	40.6	0.93	45.6	0.96	52.1	0.98	60.1	1.00	67.1	1.02	74.6	1.03	85.6	1.07	39
28.0	0.87	32.5	0.90	40.0	0.93	45.0	0.96	51.5	0.98	59.5	1.00	66.5	1.02	74.0	1.03	85.0	1.07	40
C105		C128		C144		C162		C180		C195		C210		C225		C240		
39.5	0.93	51.0	0.98	59.0	1.00	68.0	1.02	77.0	1.06	84.5	1.07	92.0	1.08	98.5	1.09	106.0	1.10	41
38.4	0.93	49.9	0.98	57.9	1.00	66.9	1.02	75.9	1.06	83.4	1.07	90.9	1.08	97.4	1.09	104.9	1.10	42
37.6	0.93	49.1	0.98	57.1	1.00	66.1	1.02	75.1	1.06	82.6	1.07	90.1	1.08	96.6	1.09	104.1	1.10	43
36.2	0.92	47.7	0.98	55.7	1.00	64.7	1.02	73.7	1.05	81.2	1.07	88.7	1.08	95.2	1.09	102.7	1.10	44
—	—	28.3	0.95	36.4	0.98	45.4	1.00	54.4	1.04	62.0	1.06	69.5	1.07	76.0	1.08	83.5	1.09	45
C81		C90		C105		C115		C128		C144		C158		C173		C195		
31.6	0.87	36.2	0.91	43.7	0.93	48.7	0.97	55.2	0.98	63.2	1.00	70.2	1.02	77.7	1.03	88.7	1.07	46
28.9	0.87	33.4	0.90	40.9	0.93	45.9	0.96	52.4	0.98	60.4	1.00	67.4	1.02	74.9	1.03	85.9	1.07	47
28.1	0.87	32.6	0.90	40.1	0.93	45.1	0.96	51.6	0.98	59.6	1.00	66.6	1.02	74.1	1.03	85.1	1.07	48
27.0	0.87	31.5	0.90	39.0	0.93	44.0	0.96	50.5	0.98	58.5	1.00	65.5	1.01	73.0	1.03	84.0	1.07	49
24.2	0.86	28.7	0.90	36.2	0.92	41.3	0.96	47.8	0.98	55.8	1.00	62.8	1.01	70.3	1.03	81.3	1.07	50
C81		C90		C105		C115		C128		C144		C158		C173		C195		
22.9	0.86	27.4	0.89	34.9	0.92	39.9	0.96	46.4	0.98	54.4	1.00	61.4	1.01	68.9	1.03	79.9	1.07	51
21.4	0.86	26.0	0.89	33.5	0.92	38.5	0.96	45.0	0.97	53.0	1.00	60.0	1.01	67.5	1.03	78.5	1.07	52
31.4	0.87	35.9	0.91	43.4	0.93	48.4	0.97	54.9	0.98	62.9	1.00	69.9	1.02	77.4	1.03	88.4	1.07	53
28.4	0.87	32.9	0.90	40.4	0.93	45.4	0.96	51.9	0.98	59.9	1.00	66.9	1.02	74.4	1.03	85.4	1.07	54
27.7	0.87	32.2	0.90	39.7	0.93	44.7	0.96	51.2	0.98	59.2	1.00	66.2	1.01	73.7	1.03	84.7	1.07	55
C81		C90		C105		C115		C128		C144		C158		C173		C195		
24.3	0.86	28.8	0.90	36.3	0.92	41.3	0.96	47.8	0.98	55.8	1.00	62.8	1.01	70.3	1.03	81.3	1.07	56
32.5	0.87	37.0	0.91	44.5	0.93	49.5	0.97	56.0	0.98	64.0	1.00	71.0	1.02	78.5	1.03	89.5	1.07	57
30.6	0.87	35.1	0.90	42.6	0.93	47.6	0.96	54.1	0.98	62.1	1.00	69.1	1.02	76.6	1.03	87.6	1.07	58
28.7	0.87	33.2	0.90	40.7	0.93	45.7	0.96	52.2	0.98	60.2	1.00	67.2	1.02	74.7	1.03	85.8	1.07	59
27.8	0.87	32.3	0.90	39.8	0.93	44.8	0.96	51.3	0.98	59.3	1.00	66.3	1.01	73.8	1.03	84.8	1.07	60
C81		C90		C105		C115		C128		C144		C158		C173		C195		
27.6	0.87	32.1	0.90	39.6	0.93	44.6	0.96	51.1	0.98	59.1	1.00	66.1	1.01	73.6	1.03	84.6	1.07	61
26.5	0.87	31.0	0.90	38.5	0.93	43.5	0.96	50.0	0.98	58.0	1.00	65.0	1.01	72.5	1.03	83.5	1.07	62
25.7	0.86	30.2	0.90	37.7	0.92	42.7	0.96	49.2	0.98	57.3	1.00	64.3	1.01	71.8	1.03	82.8	1.07	63
17.4	0.84	22.0	0.88	29.5	0.91	34.5	0.95	41.0	0.97	49.1	0.99	56.1	1.01	63.6	1.02	74.6	1.06	64
31.5	0.87	36.0	0.91	43.5	0.93	48.5	0.97	55.0	0.98	63.0	1.00	70.0	1.02	77.5	1.03	88.5	1.07	65
C81		C90		C105		C115		C128		C144		C158		C173		C195		
23.0	0.86	27.5	0.89	35.1	0.92	40.1	0.96	46.6	0.98	54.6	1.00	61.6	1.01	69.1	1.03	80.1	1.07	66
20.3	0.85	24.8	0.89	32.4	0.92	37.4	0.95	43.9	0.97	51.9	0.99	58.9	1.01	66.4	1.02	77.4	1.06	67
30.5	0.87	35.0	0.90	42.5	0.93	47.6	0.96	54.1	0.98	62.1	1.00	69.1	1.02	76.6	1.03	87.6	1.07	68
28.3	0.87	32.8	0.90	40.3	0.93	45.3	0.96	51.8	0.98	59.8	1.00	66.8	1.01	74.3	1.03	85.3	1.07	69
27.9	0.87	32.4	0.90	39.9	0.93	44.9	0.96	51.4	0.98	59.4	1.00	66.4	1.01	73.9	1.03	84.9	1.07	70
C81		C90		C105		C115		C128		C144		C158		C173		C195		
27.7	0.87	32.2	0.90	39.7	0.93	44.7	0.96	51.2	0.98	59.2	1.00	66.2	1.01	73.7	1.03	84.7	1.07	71
27.1	0.87	31.7	0.90	39.2	0.93	44.2	0.96	50.7	0.98	58.7	1.00	65.7	1.01	73.2	1.03	84.2	1.07	72
25.8	0.86	30.3	0.90	37.8	0.92	42.8	0.96	49.3	0.98	57.3	1.00	64.3	1.01	71.8	1.03	82.8	1.07	73
24.4	0.86	29.0	0.89	36.5	0.92	41.5	0.96	48.0	0.98	56.0	1.00	63.0	1.01	70.5	1.03	81.5	1.07	74
32.4	0.87	36.9	0.91	44.4	0.93	49.4	0.97	55.9	0.98	63.9	1.00	70.9	1.02	78.4	1.03	89.4	1.07	75

B

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Datum Diameter Driver	Datum Diameter Driven	Type Fix.	Type Var.	Nominal Driven Speeds and Horsepower per Belt — 1750 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	1160 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	Center Distance in Inches and "F" Factor for Browning Belts: Belt No.	C.D.	F	Belt No.	C.D.	F	Belt No.	C.D.	F
														C51			C60			C72		
1	1.40	1	4	5.6	8.0	X	—	1250	8.53	15.52	828	6.90	11.52	16.2		0.79	20.7		0.82	26.7		0.85
2	1.40	1	6	6.0	8.6	X	—	1250	9.99	16.79	828	7.98	12.47	15.4		0.79	19.9		0.82	26.0		0.85
3	1.40	1	8	7.0	10.0	X	—	1250	14.00	19.81	828	10.96	14.77	13.5		0.78	18.0		0.81	24.1		0.85
4	1.40	2	6	8.0	11.4	X	—	1250	17.76	22.64	828	13.90	16.98	11.6		0.77	16.1		0.81	22.2		0.84
5	1.40	2	6	8.4	12.0	X	—	1250	19.18	23.98	828	15.04	17.94	—		—	15.3		0.81	21.4		0.84
														C51			C60			C72		
6	1.40	3	12	10.6	15.0	X	—	1250	26.16	31.70	828	21.02	24.20	—		—	—		—	17.2		0.83
7	1.41	2	6	7.4	10.6	X	—	1241	15.54	20.97	822	12.15	15.67	12.7		0.78	17.2		0.81	23.3		0.85
8	1.41	2	12	9.8	14.0	X	—	1241	23.80	29.04	822	18.91	21.98	—		—	—		—	18.6		0.83
9	1.41	3	12	10.5	15.0	X	—	1241	25.88	31.37	822	20.76	23.92	—		—	—		—	17.3		0.83
10	1.41	1	12	14.0	20.0	X	—	—	—	—	822	29.15	32.92	—		—	—		—	—		—
														C51			C60			C72		
11	1.42	3	4	5.5	8.0	X	—	1232	8.19	15.23	816	6.65	11.31	16.3		0.79	20.8		0.82	26.8		0.85
12	1.42	1	6	7.6	11.0	X	—	1232	16.29	21.56	816	12.74	16.12	12.2		0.78	16.8		0.81	22.8		0.84
13	1.42	1	12	9.0	13.0	X	X	1232	21.24	26.21	816	16.72	19.69	—		—	14.0		0.80	20.1		0.84
14	1.43	1	4	5.6	8.2	X	—	1223	8.57	15.56	811	6.93	11.55	16.1		0.79	20.6		0.82	26.6		0.85
15	1.43	2	6	6.0	8.8	X	—	1223	10.01	16.83	811	8.01	12.50	15.3		0.79	19.8		0.82	25.8		0.85
														C51			C60			C72		
16	1.43	2	8	7.0	10.2	X	—	1223	14.00	19.85	811	10.96	14.79	13.4		0.78	17.9		0.81	23.9		0.85
17	1.43	2	6	7.2	10.5	X	—	1223	14.78	20.43	811	11.56	15.24	13.0		0.78	17.5		0.81	23.5		0.85
18	1.43	2	6	7.8	11.4	X	—	1223	17.03	22.14	811	13.32	16.57	11.7		0.77	16.3		0.81	22.3		0.84
19	1.43	1	12	11.0	16.0	X	X	1223	27.26	32.96	811	22.05	25.29	—		—	—		—	16.1		0.82
20	1.44	3	4	5.0	7.4	X	—	1215	6.36	13.63	805	5.30	10.12	17.2		0.79	21.7		0.82	27.7		0.85
														C51			C60			C72		
21	1.44	2	6	7.2	10.6	X	—	1215	14.78	20.45	805	11.56	15.25	12.9		0.78	17.4		0.81	23.4		0.84
22	1.44	1	6	7.5	11.0	X	—	1215	15.92	21.30	805	12.44	15.92	12.3		0.77	16.8		0.81	22.9		0.84
23	1.44	1	6	8.2	12.0	X	—	1215	18.48	23.23	805	14.47	17.44	—		—	15.5		0.80	21.5		0.84
24	1.44	1	12	9.6	14.0	X	—	1215	23.18	28.35	805	18.37	21.41	—		—	—		—	18.8		0.83
25	1.45	3	4	5.5	8.2	X	—	1206	8.24	15.27	800	6.68	11.34	16.1		0.79	20.7		0.82	26.7		0.85
														C51			C60			C72		
26	1.45	2	6	8.8	13.0	X	—	1206	20.56	25.48	800	16.17	19.11	—		—	14.2		0.80	20.2		0.84
27	1.45	1	12	9.5	14.0	X	—	1206	22.86	28.00	800	18.10	21.13	—		—	—		—	18.9		0.83
28	1.45	3	12	10.2	15.0	X	X	1206	25.01	30.39	800	19.97	23.09	—		—	—		—	17.5		0.83
29	1.46	3	4	5.0	7.5	X	—	1198	6.39	13.65	794	5.31	10.14	17.1		0.79	21.6		0.82	27.6		0.85
30	1.46	2	4	5.6	8.4	X	—	1198	8.61	15.61	794	6.96	11.58	15.9		0.79	20.4		0.82	26.4		0.85
														C51			C60			C72		
31	1.46	1	6	6.0	9.0	X	—	1198	10.05	16.87	794	8.04	12.52	15.1		0.79	19.6		0.82	25.6		0.85
32	1.46	2	6	7.4	11.0	X	—	1198	15.54	21.04	794	12.15	15.71	12.4		0.77	16.9		0.81	22.9		0.84
33	1.46	2	12	9.4	14.0	X	—	1198	22.54	27.64	794	17.82	20.84	—		—	—		—	18.9		0.83
34	1.47	1	8	7.0	10.5	X	—	1190	14.00	19.90	789	10.96	14.82	13.1		0.78	17.6		0.81	23.6		0.84
35	1.47	2	6	7.6	11.4	X	—	1190	16.29	21.62	789	12.74	16.16	11.9		0.77	16.4		0.81	22.5		0.84
														C51			C60			C72		
36	1.47	1	10	8.0	12.0	X	—	1190	17.76	22.73	789	13.90	17.04	—		—	15.6		0.80	21.7		0.84
37	1.48	3	4	5.0	7.6	X	—	1182	6.41	13.67	783	5.33	10.15	17.0		0.79	21.5		0.82	27.5		0.85
38	1.48	1	4	5.6	8.5	X	—	1182	8.63	15.62	783	6.97	11.59	15.8		0.79	20.3		0.82	26.3		0.85
39	1.48	1	8	7.0	10.6	X	—	1182	14.00	19.91	783	10.96	14.83	13.0		0.78	17.5		0.81	23.6		0.84
40	1.48	1	10	8.6	13.0	X	—	1182	19.88	24.74	783	15.60	18.53	—		—	14.3		0.79	20.4		0.83
														C51			C68			C85		
41	1.48	3	12	10.0	15.0	X	X	1182	24.41	29.72	783	19.44	22.54	—		—	15.6		0.81	24.2		0.87
42	1.48	1	12	12.0	18.0	X	—	1182	29.78	35.92	783	24.54	27.94	—		—	—		—	20.2		0.86
43	1.48	1	12	16.0	24.0	X	—	—	—	—	783	33.24	37.47	—		—	—		—	—		—
44	1.49	3	4	5.5	8.4	X	—	1174	8.28	15.31	778	6.71	11.36	16.0		0.79	24.5		0.84	33.0		0.89
45	1.49	2	6	7.5	11.4	X	—	1174	15.92	21.36	778	12.44	15.95	12.0		0.77	20.5		0.83	29.0		0.89
														C60			C81			C100		
46	1.49	1	12	10.6	16.0	X	—	1174	26.16	31.70	778	21.02	24.20	—		—	20.9		0.85	30.4		0.90
47	1.49	2	12	20.0	30.0	X	—	—	—	—	778	39.60	45.07	—		—	—		—	—		—
48	1.50	3	4	5.5	8.5	X	—	1166	8.29	15.33	773	6.72	11.37	20.4		0.82	30.9		0.87	40.4		0.92
49	1.50	1	4	5.6	8.6	X	—	1166	8.65	15.64	773	6.98	11.60	20.2		0.82	30.8		0.87	40.3		0.92
50	1.50	2	6	6.0	9.2	X	—	1166	10.12	16.90	773	8.06	12.55	19.5		0.81	30.0		0.87	39.5		0.92
														C51			C60			C72		
51	1.50	2	6	7.2	11.0	X	—	1166	14.78	20.51	773	11.56	15.29	12.5		0.77	17.1		0.81	23.1		0.84
52	1.50	1	10	8.5	13.0	X	—	1166	19.67	24.36	773	15.41	18.24	—		—	14.4		0.79	20.4		0.83
53	1.50	2	12	9.2	14.0	X	—	1166	21.89	26.93	773	17.28	20.27	—		—	13.0		0.79	19.1		0.83
54	1.50	3	12	9.8	15.0	X	—	1166	23.93	29.04	773	19.00	21.98	—		—	—		—	17.8		0.82
55	1.50	1	2	10.5	16.0	X	—	1166	26.01	31.37	773	20.85	23.92	—		—	—		—	16.4		0.82
														C51			C60			C72		
56	1.51	3	4	5.0	7.8	X	—	1158	6.44	13.71	768	5.35	10.18	16.8		0.79	21.4		0.82	27.4		0.85
57	1.51	2	6	7.4	11.4	X	—	1158	15.78	21.10	768	12.31	15.75	12.0		0.77	16.6		0.80	22.6		0.84
58	1.51	2	6	7.8	12.0	X	—	1158	17.28	22.22	768	13.48	16.63	—		—	15.8		0.80	21.8		0.84
59	1.52	3	4	5.5	8.6	X	—	1151	8.31	15.35	763	6.73	11.38	15.8		0.79	20.3		0.82	26.3		0.85
60	1.52	2	6	8.4	13.0	X	—	1151	19.43	24.19	763	15.20	18.08	—		—	14.5		0.79	20.5		0.83
														C51			C60			C72		
61	1.52	1	12	13.0	20.0	X	—	1151	32.17	38.78	763	27.07	30.62	—		—	—		—	—		—
62	1.53	2	4	5.6	8.8	X	—	1143	8.68	15.67	758	7.00	11.63	15.6		0.79	20.1		0.82	26.1		0.85
63	1.53	2	6	6.0	9.4	X	—	1143	10.23	16.93	758	8.09	12.57	14.8		0.78	19.3		0.81	25.3		0.85
64	1.53	1	12	9.0	14.0	X	X	1143	21.48	26.41	758	16.88	19.83	—		—	13.2		0.78	19.2		0.83
65	1.54	1	6	6.0	9.5	X	—	1136	10.23	16.95	753	8.09	12.58	14.7		0.78	19.2		0.81	25.2		0.85
														C51			C60			C72		
66	1.54	1	8	7.0	11.0	X	—	1136	14.25	19.97	753	11.13	14.87	12.7		0.77	17.2		0.81	23.2		0.84
67	1.54	3	12	9.6	15.0	X	—	1136	23.42	28.55	753	18.53	21.55	—		—	—		—	17.9		0.82
68	1.54	2	12	10.2	16.0	X	X	1136	25.25	30.59	753	20.14	23.23	—		—	—		—	16.6		0.82
69	1.55	3	4	5.0	8.0	X	—	1129	6.48	13.74	748	5.38	10.20	16.7		0.79	21.2		0.82	27.2		0.85
70	1.55	3	4	5.5	8.8	X	—	1129	8.34	15.38	748	6.75	11.40	15.6		0.78	20.2		0.81	26.2		0.85
														C51			C60			C72		
71	1.55	2	6	7.2	11.4	X	—	1129	15.02	20.56	748	11.72	15.32	12.2		0.77	16.7		0.80	22.8		0.84
72	1.55	1	6	7.6	12.0	X	—	1129	16.54	21.69	748	12.90	16.21	11.4		0.76	15.9		0.80	22.0		0.84
73	1.55	1	6	8.2	13.0	X	—	1129	18.72	23.43	748	14.63	17.52	—		—	14.6		0.79	20.7		0.83
74	1.55	3	12	9.5	15.0	X	—	1129	23.11	28.20	748	18.26	21.26	—		—	—		—	18.0		0.82
75	1.55	2	6	11.4	18.0	X	—	1129	28.56	34.38	748	23.22	26.49	—		—	—		—	—		—

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts

Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
C81		**C90**		**C105**		**C115**		**C128**		**C144**		**C158**		**C173**		**C195**		
31.3	0.87	35.8	0.90	43.3	0.93	48.3	0.96	54.8	0.98	62.8	1.00	69.8	1.02	77.3	1.03	88.3	1.07	1
30.5	0.87	35.0	0.90	42.5	0.93	47.5	0.96	54.0	0.98	62.0	1.00	69.0	1.02	76.5	1.03	87.5	1.07	2
28.6	0.87	33.1	0.90	40.6	0.93	45.6	0.96	52.1	0.98	60.1	1.00	67.1	1.01	74.6	1.03	85.6	1.07	3
26.7	0.86	31.2	0.90	38.7	0.92	43.7	0.96	50.2	0.98	58.2	1.00	65.2	1.01	72.7	1.03	83.7	1.07	4
25.9	0.86	30.4	0.90	37.9	0.92	42.9	0.96	49.4	0.98	57.4	1.00	64.4	1.01	71.9	1.03	82.9	1.07	5
C81		**C90**		**C105**		**C115**		**C128**		**C144**		**C158**		**C173**		**C195**		
21.7	0.85	26.3	0.89	33.8	0.92	38.8	0.95	45.3	0.97	53.3	0.99	60.3	1.01	67.8	1.03	78.8	1.07	6
27.8	0.87	32.3	0.90	39.8	0.93	44.8	0.96	51.3	0.98	59.3	1.00	66.3	1.01	73.8	1.03	84.8	1.07	7
23.2	0.86	27.7	0.89	35.2	0.92	40.2	0.96	46.7	0.97	54.7	1.00	61.7	1.01	69.2	1.03	80.2	1.07	8
21.8	0.85	26.3	0.89	33.9	0.92	38.9	0.95	45.4	0.97	53.4	0.99	60.4	1.01	67.9	1.03	78.9	1.07	9
—	—	19.5	0.87	27.1	0.90	32.1	0.94	38.6	0.96	46.7	0.99	53.7	1.00	61.2	1.02	72.2	1.06	10
C81		**C90**		**C105**		**C115**		**C128**		**C144**		**C158**		**C173**		**C195**		
31.3	0.87	35.8	0.90	43.3	0.93	48.3	0.96	54.8	0.98	62.8	1.00	69.8	1.02	77.3	1.03	88.3	1.07	11
27.3	0.87	31.8	0.90	39.3	0.93	44.3	0.96	50.8	0.98	58.8	1.00	65.8	1.01	73.3	1.03	84.3	1.07	12
24.6	0.86	29.1	0.89	36.6	0.92	41.6	0.96	48.1	0.98	56.1	1.00	63.1	1.01	70.7	1.03	81.7	1.07	13
31.1	0.87	35.6	0.90	43.1	0.93	48.1	0.96	54.6	0.98	62.6	1.00	69.6	1.02	77.1	1.03	88.1	1.07	14
30.3	0.87	34.8	0.90	42.3	0.93	47.3	0.96	53.8	0.98	61.8	1.00	68.8	1.02	76.3	1.03	87.3	1.07	15
C81		**C90**		**C105**		**C115**		**C128**		**C144**		**C158**		**C173**		**C195**		
28.4	0.87	32.9	0.90	40.4	0.93	45.4	0.96	51.9	0.98	59.9	1.00	66.9	1.01	74.4	1.03	85.4	1.07	16
28.0	0.87	32.5	0.90	40.0	0.93	45.0	0.96	51.5	0.98	59.5	1.00	66.5	1.01	74.0	1.03	85.0	1.07	17
26.8	0.86	31.3	0.90	38.8	0.92	43.8	0.96	50.3	0.98	58.4	1.00	65.4	1.01	72.9	1.03	83.9	1.07	18
20.6	0.85	25.1	0.88	32.7	0.91	37.7	0.95	44.2	0.97	52.2	0.99	59.2	1.01	66.7	1.02	77.7	1.06	19
32.2	0.87	36.7	0.90	44.2	0.93	49.2	0.97	55.7	0.98	63.7	1.00	70.7	1.02	78.2	1.03	89.2	1.07	20
C81		**C90**		**C105**		**C115**		**C128**		**C144**		**C158**		**C173**		**C195**		
27.9	0.87	32.4	0.90	39.9	0.93	44.9	0.96	51.4	0.98	59.5	1.00	66.5	1.01	74.0	1.03	85.0	1.07	21
27.4	0.86	31.9	0.90	39.4	0.92	44.4	0.96	50.9	0.98	58.9	1.00	65.9	1.01	73.4	1.03	84.4	1.07	22
26.0	0.86	30.5	0.90	38.0	0.92	43.1	0.96	49.6	0.98	57.6	1.00	64.6	1.01	72.1	1.03	83.1	1.07	23
23.3	0.86	27.8	0.89	35.4	0.92	40.4	0.96	46.9	0.97	54.9	0.99	61.9	1.01	69.4	1.03	80.4	1.07	24
31.2	0.87	35.7	0.90	43.2	0.93	48.2	0.96	54.7	0.98	62.7	1.00	69.7	1.02	77.2	1.03	88.2	1.07	25
C81		**C90**		**C105**		**C115**		**C128**		**C144**		**C158**		**C173**		**C195**		
24.7	0.86	29.3	0.89	36.8	0.92	41.8	0.96	48.3	0.98	56.3	1.00	63.3	1.01	70.8	1.03	81.8	1.07	26
23.4	0.86	27.9	0.89	35.4	0.92	40.4	0.95	46.9	0.97	55.0	0.99	62.0	1.01	69.5	1.03	80.5	1.07	27
22.0	0.85	26.6	0.89	34.1	0.92	39.1	0.95	45.6	0.97	53.6	0.99	60.6	1.01	68.1	1.02	79.1	1.06	28
32.1	0.87	36.6	0.90	44.1	0.93	49.1	0.96	55.6	0.98	63.6	1.00	70.6	1.02	78.1	1.03	89.1	1.07	29
30.9	0.87	35.4	0.90	42.9	0.93	47.9	0.96	54.4	0.98	62.4	1.00	69.4	1.02	76.9	1.03	87.9	1.07	30
C81		**C90**		**C105**		**C115**		**C128**		**C144**		**C158**		**C173**		**C195**		
30.1	0.87	34.6	0.90	42.1	0.93	47.2	0.96	53.7	0.98	61.7	1.00	68.7	1.02	76.2	1.03	87.2	1.07	31
27.4	0.86	32.0	0.90	39.5	0.92	44.5	0.96	51.0	0.98	59.0	1.00	66.0	1.01	73.5	1.03	84.5	1.07	32
23.5	0.85	28.0	0.89	35.5	0.92	40.5	0.95	47.0	0.97	55.0	0.99	62.0	1.01	69.5	1.03	80.5	1.07	33
28.2	0.87	32.7	0.90	40.2	0.93	45.2	0.96	51.7	0.98	59.7	1.00	66.7	1.01	74.2	1.03	85.2	1.07	34
27.0	0.86	31.5	0.90	39.0	0.92	44.0	0.96	50.5	0.98	58.5	1.00	65.5	1.01	73.0	1.03	84.0	1.07	35
C81		**C90**		**C105**		**C115**		**C128**		**C144**		**C158**		**C173**		**C195**		
26.2	0.86	30.7	0.90	38.2	0.92	43.2	0.96	49.7	0.98	57.7	1.00	64.7	1.01	72.2	1.03	83.2	1.07	36
32.0	0.87	36.5	0.90	44.0	0.93	49.0	0.96	55.5	0.98	63.5	1.00	70.5	1.02	78.0	1.03	89.0	1.07	37
30.8	0.87	35.4	0.90	42.9	0.93	47.9	0.96	54.4	0.98	62.4	1.00	69.4	1.02	76.9	1.03	87.9	1.07	38
28.1	0.86	32.6	0.90	40.1	0.92	45.1	0.96	51.6	0.98	59.6	1.00	66.6	1.01	74.1	1.03	85.1	1.07	39
24.9	0.86	29.4	0.89	36.9	0.92	41.9	0.96	48.4	0.97	56.5	0.99	63.5	1.01	71.0	1.03	82.0	1.07	40
C100		**C115**		**C128**		**C144**		**C162**		**C180**		**C195**		**C210**		**C225**		
31.7	0.91	39.2	0.95	45.8	0.97	53.8	0.99	62.8	1.01	71.8	1.05	79.3	1.06	86.8	1.08	93.3	1.09	41
27.7	0.90	35.3	0.95	41.8	0.97	49.8	0.99	58.8	1.01	67.8	1.05	75.3	1.06	82.8	1.07	89.3	1.08	42
—	—	27.3	0.93	33.8	0.95	41.9	0.98	50.9	1.00	59.9	1.04	67.4	1.05	74.9	1.07	81.5	1.08	43
40.5	0.92	48.0	0.96	54.5	0.98	62.5	1.00	71.5	1.02	80.5	1.06	88.0	1.07	95.5	1.08	102.0	1.09	44
36.6	0.91	44.1	0.96	50.6	0.98	58.6	1.00	67.6	1.02	76.6	1.05	84.1	1.07	91.6	1.08	98.1	1.09	45
C120		**C136**		**C158**		**C173**		**C195**		**C225**		**C240**		**C255**		**C270**		
40.5	0.96	48.5	0.98	59.5	1.01	67.0	1.02	78.0	1.06	92.0	1.09	99.5	1.10	107.0	1.11	114.5	1.14	46
—	—	29.8	0.94	40.9	0.98	48.4	1.00	59.5	1.05	73.5	1.07	81.0	1.08	88.6	1.10	96.1	1.13	47
50.4	0.97	58.4	0.99	69.4	1.02	76.9	1.03	87.9	1.07	101.9	1.09	109.4	1.10	117.0	1.11	124.5	1.14	48
50.3	0.97	58.3	0.99	69.3	1.02	76.8	1.03	87.8	1.07	101.8	1.09	109.3	1.10	116.8	1.11	124.3	1.14	49
49.5	0.97	57.5	0.99	68.5	1.01	76.0	1.03	87.0	1.07	101.0	1.09	108.5	1.10	116.0	1.11	123.5	1.14	50
C81		**C90**		**C105**		**C115**		**C128**		**C144**		**C158**		**C173**		**C195**		
27.6	0.86	32.1	0.90	39.6	0.92	44.6	0.96	51.1	0.98	59.1	1.00	66.1	1.01	73.6	1.03	84.6	1.07	51
25.0	0.86	29.5	0.89	37.0	0.92	42.0	0.96	48.5	0.97	56.5	0.99	63.5	1.01	71.0	1.03	82.0	1.07	52
23.6	0.85	28.1	0.89	35.7	0.92	40.7	0.95	47.2	0.97	55.2	0.99	62.2	1.01	69.7	1.02	80.7	1.06	53
22.3	0.85	26.9	0.89	34.4	0.92	39.4	0.95	45.9	0.97	53.9	0.99	60.9	1.01	68.4	1.02	79.4	1.06	54
21.0	0.85	25.5	0.88	33.0	0.91	38.0	0.95	44.6	0.97	52.6	0.99	59.6	1.01	67.1	1.02	78.1	1.06	55
C81		**C90**		**C105**		**C115**		**C128**		**C144**		**C158**		**C173**		**C195**		
31.9	0.87	36.4	0.90	43.9	0.93	48.9	0.96	55.4	0.98	63.4	1.00	70.4	1.02	77.9	1.03	88.9	1.07	56
27.1	0.86	31.6	0.90	39.1	0.92	44.1	0.96	50.7	0.98	58.7	1.00	65.7	1.01	73.2	1.03	84.2	1.07	57
26.3	0.86	30.8	0.89	38.3	0.92	43.4	0.96	49.9	0.98	57.9	1.00	64.9	1.01	72.4	1.03	83.4	1.07	58
30.8	0.87	35.3	0.90	42.9	0.93	47.9	0.96	54.4	0.98	62.4	1.00	69.4	1.01	76.9	1.03	87.9	1.07	59
25.0	0.86	29.6	0.89	37.1	0.92	42.1	0.96	48.6	0.97	56.6	0.99	63.6	1.01	71.1	1.03	82.1	1.07	60
C81		**C90**		**C105**		**C115**		**C128**		**C144**		**C158**		**C173**		**C195**		
—	—	20.2	0.86	27.8	0.90	32.9	0.94	39.4	0.96	47.4	0.98	54.4	1.00	61.9	1.02	73.0	1.06	61
30.6	0.87	35.1	0.90	42.6	0.93	47.6	0.96	54.1	0.98	62.1	1.00	69.1	1.01	76.6	1.03	87.6	1.07	62
29.8	0.87	34.3	0.90	41.8	0.93	46.8	0.96	53.3	0.98	61.3	1.00	68.3	1.01	75.8	1.03	86.8	1.07	63
23.8	0.85	28.3	0.89	35.8	0.92	40.8	0.95	47.3	0.97	55.3	0.99	62.3	1.01	69.9	1.02	80.9	1.06	64
29.7	0.87	34.2	0.90	41.7	0.93	46.7	0.96	53.3	0.98	61.3	1.00	68.3	1.01	75.8	1.03	86.8	1.07	65
C81		**C90**		**C105**		**C115**		**C128**		**C144**		**C158**		**C173**		**C195**		
27.7	0.86	32.3	0.90	39.8	0.92	44.8	0.96	51.3	0.98	59.3	1.00	66.3	1.01	73.8	1.03	84.8	1.07	66
22.5	0.85	27.0	0.88	34.5	0.91	39.5	0.95	46.1	0.97	54.1	0.99	61.1	1.01	68.6	1.02	79.6	1.06	67
21.2	0.84	25.7	0.88	33.3	0.91	38.3	0.95	44.8	0.97	52.8	0.99	59.8	1.01	67.3	1.02	78.3	1.06	68
31.7	0.87	36.2	0.90	43.7	0.93	48.7	0.96	55.2	0.98	63.2	1.00	70.2	1.02	77.7	1.03	88.7	1.07	69
30.7	0.87	35.2	0.90	42.7	0.93	47.7	0.96	54.2	0.98	62.2	1.00	69.2	1.01	76.7	1.03	87.7	1.07	70
C81		**C90**		**C105**		**C115**		**C128**		**C144**		**C158**		**C173**		**C195**		
27.3	0.86	31.8	0.89	39.3	0.92	44.3	0.96	50.8	0.98	58.8	1.00	65.8	1.01	73.3	1.03	84.3	1.07	71
26.5	0.86	31.0	0.89	38.5	0.92	43.5	0.96	50.0	0.98	58.0	1.00	65.0	1.01	72.5	1.03	83.5	1.07	72
25.2	0.86	29.7	0.89	37.2	0.92	42.2	0.95	48.7	0.97	56.8	0.99	63.8	1.01	71.3	1.03	82.3	1.07	73
22.5	0.85	27.1	0.88	34.6	0.91	39.6	0.95	46.1	0.97	54.1	0.99	61.2	1.01	68.7	1.02	79.7	1.06	74
18.6	0.83	23.1	0.87	30.7	0.91	35.7	0.94	42.2	0.96	50.3	0.99	57.3	1.00	64.8	1.02	75.8	1.06	75

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves		Datum Diameter		Type		Nominal Driven Speeds and Horsepower per Belt						Center Distance in Inches and "F" Factor for Browning Belts					
								1750 RPM Driver			1160 RPM Driver			Belt No.		Belt No.		Belt No.	
								Nominal Driven Speed	HP per Belt		Nominal Driven Speed	HP per Belt							
		Min	Max	Driver	Driven	Fix.	Var.		Super	Gripnotch		Super	Gripnotch	C.D.	F	C.D.	F	C.D.	F
														C51		C60		C72	
1	1.56	1	4	5.6	9.0	X	—	1121	8.71	15.70	743	7.02	11.64	15.4	0.78	19.9	0.81	25.9	0.85
2	1.56	1	6	6.0	9.6	X	—	1121	10.23	16.96	743	8.10	12.58	14.5	0.78	19.1	0.81	25.1	0.84
3	1.56	1	6	7.5	12.0	X	—	1121	16.16	21.43	743	12.60	16.00	11.4	0.76	16.0	0.80	22.0	0.84
4	1.56	2	6	8.8	14.0	X	—	1121	20.81	25.68	743	16.33	19.25	—	—	13.3	0.78	19.4	0.83
5	1.57	3	12	9.4	15.0	X	—	1114	22.79	27.85	738	17.99	20.98	—	—	—	—	18.1	0.82
														C51		C68		C85	
6	1.57	1	12	10.0	16.0	X	X	1114	24.66	29.92	738	19.60	22.67	—	—	14.7	0.80	23.3	0.87
7	1.58	2	6	7.4	12.0	X	—	1107	15.78	21.16	734	12.31	15.79	11.5	0.76	20.1	0.82	28.6	0.88
8	1.58	3	12	15.0	24.0	X	—	—	—	—	734	31.43	35.39	—	—	—	—	—	—
9	1.59	3	4	5.0	8.2	X	—	1100	6.51	13.77	729	5.39	10.22	16.5	0.79	25.0	0.84	33.5	0.89
10	1.59	3	4	5.5	9.0	X	—	1100	8.36	15.40	729	6.77	11.42	15.5	0.78	24.0	0.84	32.5	0.89
														C51		C60		C72	
11	1.59	2	6	6.0	9.8	X	—	1100	10.23	16.98	729	8.11	12.60	14.4	0.78	19.0	0.81	25.0	0.84
12	1.59	2	6	7.0	11.4	X	—	1100	14.25	20.01	729	11.13	14.90	12.3	0.76	16.9	0.80	22.9	0.84
13	1.59	1	10	8.0	13.0	X	—	1100	18.00	22.84	729	14.06	17.11	—	—	14.8	0.79	20.8	0.83
14	1.60	2	4	5.6	9.2	X	—	1093	8.73	15.73	725	7.04	11.66	15.2	0.78	19.7	0.81	25.8	0.85
15	1.60	1	10	8.6	14.0	X	—	1093	20.12	24.94	725	15.77	18.67	—	—	13.4	0.78	19.5	0.83
														C51		C60		C72	
16	1.60	3	12	9.2	15.0	X	—	1093	22.14	27.14	725	17.44	20.41	—	—	—	—	18.2	0.82
17	1.60	2	12	9.8	16.0	X	—	1093	24.05	29.24	725	19.07	22.11	—	—	—	—	16.9	0.81
18	1.61	1	10	8.5	14.0	X	—	1086	19.78	24.56	720	15.48	18.37	—	—	13.5	0.78	19.6	0.83
19	1.61	1	12	11.0	18.0	X	X	1086	27.51	33.16	720	22.21	25.42	—	—	—	—	—	—
20	1.62	3	4	5.0	8.4	X	—	1080	6.53	13.80	716	5.41	10.23	16.3	0.78	20.9	0.81	26.9	0.85
														C51		C60		C72	
21	1.62	3	4	5.5	9.2	X	—	1080	8.39	15.42	716	6.78	11.44	15.3	0.78	19.8	0.81	25.8	0.84
22	1.62	1	6	6.0	10.0	X	—	1080	10.23	17.01	716	8.13	12.61	14.2	0.78	18.8	0.81	24.8	0.84
23	1.63	2	4	5.6	9.4	X	—	1073	8.76	15.75	711	7.05	11.68	15.1	0.78	19.6	0.81	25.6	0.84
24	1.63	2	6	7.2	12.0	X	—	1073	15.02	20.61	711	11.72	15.36	11.6	0.76	16.2	0.80	22.2	0.83
25	1.63	2	6	7.8	13.0	X	—	1073	17.28	22.31	711	13.48	16.69	—	—	14.9	0.79	21.0	0.83
														C51		C60		C72	
26	1.63	2	6	8.4	14.0	X	—	1073	19.43	24.19	711	15.20	18.08	—	—	13.6	0.78	19.7	0.82
27	1.63	3	12	9.0	15.0	X	X	1073	21.48	26.41	711	16.88	19.83	—	—	—	—	18.4	0.82
28	1.64	3	4	5.0	8.5	X	—	1067	6.54	13.81	707	5.42	10.24	16.3	0.78	20.8	0.81	26.8	0.85
29	1.64	1	12	9.6	16.0	X	—	1067	23.42	28.55	707	18.53	21.55	—	—	—	—	17.1	0.81
30	1.64	1	12	12.0	20.0	X	—	1067	30.02	36.12	707	24.70	28.07	—	—	—	—	—	—
														C60		C75		C90	
31	1.65	1	4	5.6	9.5	X	—	1060	8.77	15.76	703	7.06	11.68	19.5	0.81	27.0	0.85	34.5	0.90
32	1.65	2	6	6.0	10.2	X	—	1060	10.23	17.02	703	8.14	12.63	18.6	0.81	26.1	0.85	33.7	0.90
33	1.65	1	12	9.5	16.0	X	—	1060	23.11	28.20	703	18.26	21.26	—	—	18.6	0.82	26.2	0.88
34	1.65	2	12	18.0	30.0	X	—	—	—	—	703	36.90	41.67	—	—	—	—	—	—
35	1.66	3	4	5.0	8.6	X	—	1054	6.55	13.82	698	5.43	10.25	20.7	0.81	28.2	0.85	35.7	0.90
														C51		C60		C72	
36	1.66	3	4	5.5	9.4	X	—	1054	8.41	15.44	698	6.79	11.45	15.1	0.78	19.7	0.81	25.7	0.84
37	1.66	1	4	5.6	9.6	X	—	1054	8.78	15.77	698	7.07	11.69	14.9	0.78	19.4	0.81	25.4	0.84
38	1.67	3	4	5.5	9.5	X	—	1047	8.42	15.45	694	6.80	11.45	15.0	0.78	19.6	0.81	25.6	0.84
39	1.67	1	8	7.0	12.0	X	—	1047	14.25	20.06	694	11.13	14.93	11.8	0.76	16.3	0.80	22.4	0.83
40	1.67	1	6	7.6	13.0	X	—	1047	16.54	21.78	694	12.90	16.27	—	—	15.0	0.79	21.1	0.83
														C51		C68		C85	
41	1.67	1	6	8.2	14.0	X	—	1047	18.72	23.43	694	14.63	17.57	—	—	17.8	0.81	26.4	0.87
42	1.67	3	6	8.8	15.0	X	—	1047	20.81	25.68	694	16.33	19.25	—	—	16.5	0.80	25.1	0.87
43	1.67	2	12	9.4	16.0	X	—	1047	22.79	27.85	694	17.99	20.98	—	—	15.2	0.79	23.8	0.86
44	1.67	1	12	10.6	18.0	X	—	1047	26.41	31.90	694	21.18	24.33	—	—	—	—	21.2	0.85
45	1.67	2	12	16.0	27.0	X	—	—	—	—	694	33.40	37.60	—	—	—	—	—	—
														C51		C68		C85	
46	1.68	1	12	10.5	18.0	X	—	1041	26.12	31.58	690	20.92	24.06	—	—	—	—	21.2	0.85
47	1.69	3	4	5.5	9.6	X	—	1035	8.43	15.46	686	6.81	11.46	15.0	0.78	23.5	0.83	32.0	0.89
48	1.69	1	6	7.5	13.0	X	—	1035	16.16	21.51	686	12.60	16.05	—	—	19.2	0.82	27.7	0.88
49	1.69	1	12	14.0	24.0	X	—	—	—	—	686	29.32	33.06	—	—	—	—	—	—
50	1.70	3	4	5.0	8.8	X	—	1029	6.57	13.84	686	5.44	10.26	16.0	0.78	24.5	0.83	33.1	0.89
														C51		C60		C72	
51	1.70	2	4	5.6	9.8	X	—	1029	8.79	15.79	682	7.08	11.70	14.7	0.77	19.2	0.81	25.3	0.84
52	1.70	1	6	6.0	10.5	X	—	1029	10.23	17.05	682	8.16	12.64	13.8	0.77	18.4	0.80	24.4	0.84
53	1.70	2	12	9.2	16.0	X	—	1029	22.14	27.14	682	17.44	20.41	—	—	—	—	17.3	0.81
54	1.71	1	6	6.0	10.6	X	—	1023	10.24	17.06	678	8.16	12.65	13.7	0.77	18.3	0.80	24.3	0.84
55	1.71	2	6	7.4	13.0	X	—	1023	15.78	21.24	678	12.31	15.84	—	—	15.2	0.79	21.3	0.83
														C51		C60		C72	
56	1.71	1	10	8.0	14.0	X	—	1023	18.00	22.91	678	14.06	17.16	—	—	13.9	0.78	20.0	0.82
57	1.71	3	10	8.6	15.0	X	—	1023	20.12	24.94	678	15.77	18.67	—	—	—	—	18.6	0.82
58	1.72	3	4	5.5	9.8	X	—	1017	8.44	15.48	674	6.82	11.47	14.8	0.77	19.3	0.81	25.3	0.84
59	1.72	2	6	11.4	20.0	X	—	1017	28.56	34.38	674	23.22	26.49	—	—	—	—	—	—
60	1.73	1	4	5.6	10.0	X	—	1011	8.81	15.80	670	7.09	11.71	14.5	0.77	19.1	0.81	25.1	0.84
														C51		C60		C72	
61	1.73	3	10	8.5	15.0	X	—	1011	19.78	24.56	670	15.48	18.37	—	—	—	—	18.7	0.82
62	1.73	2	12	10.2	18.0	X	X	1011	25.25	30.59	670	20.14	23.23	—	—	—	—	—	—
63	1.74	3	4	5.0	9.0	X	—	1005	6.59	13.86	666	5.45	10.27	15.8	0.78	20.4	0.81	26.4	0.84
64	1.74	1	12	9.0	16.0	X	X	1005	21.48	26.41	666	16.88	19.83	—	—	—	—	17.5	0.81
65	1.75	2	6	7.8	14.0	X	—	1000	17.28	22.38	662	13.48	16.73	—	—	14.0	0.78	20.1	0.82
														C51		C60		C72	
66	1.75	3	6	8.4	15.0	X	—	1000	19.43	24.19	662	15.20	18.08	—	—	—	—	18.8	0.82
67	1.76	3	4	5.5	10.0	X	—	994	8.46	15.49	659	6.83	11.48	14.6	0.77	19.2	0.80	25.2	0.84
68	1.76	2	4	5.6	10.2	X	—	994	8.82	15.82	659	7.10	11.72	14.4	0.77	18.9	0.80	24.9	0.84
69	1.76	2	6	7.2	13.0	X	—	994	15.02	20.68	659	11.72	15.41	—	—	15.3	0.79	21.4	0.83
70	1.76	1	12	10.0	18.0	X	X	994	24.66	29.92	659	19.60	22.67	—	—	—	—	—	—
														C51		C68		C85	
71	1.77	3	4	5.0	9.2	X	—	988	6.61	13.87	655	5.46	10.28	15.7	0.78	24.2	0.83	32.7	0.89
72	1.77	3	12	15.0	27.0	X	—	—	—	—	655	31.43	35.39	—	—	—	—	—	—
73	1.78	1	6	6.0	11.0	X	—	983	10.27	17.08	651	8.18	12.67	13.4	0.76	22.0	0.82	30.5	0.88
74	1.78	2	6	8.8	16.0	X	—	983	20.81	25.68	651	16.33	19.25	—	—	15.6	0.79	24.2	0.86
75	1.78	1	12	11.0	20.0	X	X	983	27.51	33.16	651	22.21	25.42	—	—	—	—	19.1	0.84

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts

Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
C81		C90		C105		C115		C128		C144		C158		C173		C195		
30.4	0.87	34.9	0.90	42.5	0.93	47.5	0.96	54.0	0.98	62.0	1.00	69.0	1.01	76.5	1.03	87.5	1.07	1
29.6	0.87	34.2	0.90	41.7	0.93	46.7	0.96	53.2	0.98	61.2	1.00	68.2	1.01	75.7	1.03	86.7	1.07	2
26.5	0.86	31.1	0.89	38.6	0.92	43.6	0.96	50.1	0.97	58.1	0.99	65.1	1.01	72.6	1.03	83.6	1.07	3
23.9	0.85	28.4	0.89	36.0	0.92	41.0	0.95	47.5	0.97	55.5	0.99	62.5	1.01	70.0	1.02	81.0	1.06	4
22.6	0.85	27.2	0.88	34.7	0.91	39.7	0.95	46.2	0.97	54.2	0.99	61.2	1.01	68.7	1.02	79.7	1.06	5
C100		C115		C128		C144		C162		C180		C195		C210		C225		
30.9	0.90	38.4	0.95	44.9	0.97	53.0	0.99	62.0	1.01	71.0	1.05	78.5	1.06	86.0	1.07	92.5	1.08	6
36.1	0.91	43.7	0.96	50.2	0.97	58.2	0.99	67.2	1.01	76.2	1.05	83.7	1.07	91.2	1.08	97.7	1.09	7
—	—	28.0	0.92	34.5	0.95	42.6	0.97	51.6	1.00	60.7	1.04	68.2	1.05	75.7	1.07	82.2	1.08	8
41.1	0.92	48.6	0.96	55.1	0.98	63.1	1.00	72.1	1.02	81.1	1.06	88.6	1.07	96.1	1.08	102.6	1.09	9
40.0	0.92	47.5	0.96	54.0	0.98	62.0	1.00	71.0	1.02	80.0	1.06	87.6	1.07	95.1	1.08	101.6	1.09	10
C81		C90		C105		C115		C128		C144		C158		C173		C195		
29.5	0.86	34.0	0.90	41.5	0.92	46.5	0.96	53.0	0.98	61.0	1.00	68.0	1.01	75.5	1.03	86.5	1.07	11
27.4	0.86	31.9	0.89	39.4	0.92	44.5	0.96	51.0	0.98	59.0	1.00	66.0	1.01	73.5	1.03	84.5	1.07	12
25.3	0.85	29.9	0.89	37.4	0.92	42.4	0.95	48.9	0.97	56.9	0.99	63.9	1.01	71.4	1.02	82.4	1.06	13
30.3	0.87	34.8	0.90	42.3	0.93	47.3	0.96	53.8	0.98	61.8	1.00	68.8	1.01	76.3	1.03	87.3	1.07	14
24.1	0.85	28.6	0.89	36.1	0.92	41.1	0.95	47.6	0.97	55.6	0.99	62.7	1.01	70.2	1.02	81.2	1.06	15
C81		C90		C105		C115		C128		C144		C158		C173		C195		
22.8	0.85	27.3	0.88	34.8	0.91	39.8	0.95	46.4	0.97	54.4	0.99	61.4	1.01	68.9	1.02	79.9	1.06	16
21.5	0.84	26.0	0.88	33.6	0.91	38.6	0.95	45.1	0.97	53.1	0.99	60.1	1.00	67.6	1.02	78.6	1.06	17
24.1	0.85	28.7	0.89	36.2	0.92	41.2	0.95	47.7	0.97	55.7	0.99	62.7	1.01	70.2	1.02	81.2	1.06	18
18.9	0.83	23.4	0.87	31.0	0.90	36.0	0.94	42.5	0.96	50.6	0.98	57.6	1.00	65.1	1.02	76.1	1.06	19
31.4	0.87	35.9	0.90	43.4	0.93	48.4	0.96	54.9	0.98	62.9	1.00	69.9	1.01	77.4	1.03	88.4	1.07	20
C81		C90		C105		C115		C128		C144		C158		C173		C195		
30.4	0.87	34.9	0.90	42.4	0.93	47.4	0.96	53.9	0.98	61.9	1.00	68.9	1.01	76.4	1.03	87.4	1.07	21
29.3	0.86	33.8	0.90	41.3	0.92	46.3	0.96	52.9	0.98	60.9	1.00	67.9	1.01	75.4	1.03	86.4	1.07	22
30.1	0.87	34.6	0.90	42.1	0.92	47.1	0.96	53.6	0.98	61.6	1.00	68.6	1.01	76.2	1.03	87.2	1.07	23
26.8	0.86	31.3	0.89	38.8	0.92	43.8	0.96	50.3	0.97	58.3	0.99	65.3	1.01	72.8	1.03	83.8	1.07	24
25.5	0.85	30.0	0.89	37.5	0.92	42.5	0.95	49.1	0.97	57.1	0.99	64.1	1.01	71.6	1.02	82.6	1.06	25
C81		C90		C105		C115		C128		C144		C158		C173		C195		
24.2	0.85	28.7	0.89	36.3	0.91	41.3	0.95	47.8	0.97	55.8	0.99	62.8	1.01	70.3	1.02	81.3	1.06	26
22.9	0.85	27.4	0.88	35.0	0.91	40.0	0.95	46.5	0.97	54.5	0.99	61.5	1.01	69.0	1.02	80.1	1.06	27
31.3	0.87	35.8	0.90	43.3	0.93	48.3	0.96	54.8	0.98	62.8	1.00	69.8	1.01	77.3	1.03	88.3	1.07	28
21.6	0.84	26.2	0.88	33.7	0.91	38.7	0.95	45.2	0.97	53.3	0.99	60.3	1.00	67.8	1.02	78.8	1.06	29
—	—	20.9	0.86	28.5	0.90	33.6	0.93	40.1	0.96	48.2	0.98	55.2	1.00	62.7	1.01	73.7	1.06	30
C105		C128		C144		C162		C180		C195		C210		C225		C240		
42.1	0.92	53.6	0.98	61.6	1.00	70.6	1.02	79.6	1.05	87.1	1.07	94.6	1.08	101.1	1.09	108.6	1.10	31
41.2	0.92	52.7	0.98	60.7	1.00	69.7	1.02	78.7	1.05	86.2	1.07	93.7	1.08	100.2	1.09	107.7	1.10	32
33.8	0.91	45.3	0.97	53.3	0.99	62.3	1.01	71.4	1.05	78.9	1.06	86.4	1.07	92.9	1.08	100.4	1.09	33
—	—	27.1	0.92	35.3	0.95	44.4	0.98	53.4	1.02	61.0	1.04	68.5	1.06	75.0	1.07	82.6	1.08	34
43.2	0.93	54.7	0.98	62.7	1.00	71.8	1.02	80.8	1.06	88.3	1.07	95.8	1.08	102.3	1.09	109.8	1.10	35
C81		C90		C105		C115		C128		C144		C158		C173		C195		
30.2	0.86	34.7	0.90	42.2	0.92	47.2	0.96	53.7	0.98	61.7	1.00	68.7	1.01	76.2	1.03	87.2	1.07	36
30.0	0.86	34.5	0.90	42.0	0.92	47.0	0.96	53.5	0.98	61.5	1.00	68.5	1.01	76.0	1.03	87.0	1.07	37
30.1	0.86	34.6	0.90	42.1	0.92	47.1	0.96	53.6	0.98	61.6	1.00	68.6	1.01	76.1	1.03	87.2	1.07	38
26.9	0.86	31.4	0.89	39.0	0.92	44.0	0.95	50.5	0.97	58.5	0.99	65.5	1.01	73.0	1.02	84.0	1.06	39
25.6	0.85	30.2	0.89	37.7	0.92	42.7	0.95	49.2	0.97	57.2	0.99	64.2	1.01	71.7	1.02	82.7	1.06	40
C100		C115		C128		C144		C162		C180		C195		C210		C225		
33.9	0.90	41.4	0.95	47.9	0.97	55.9	0.99	65.0	1.01	74.0	1.05	81.5	1.06	89.0	1.08	95.5	1.09	41
32.6	0.90	40.1	0.95	46.7	0.97	54.7	0.99	63.7	1.01	72.7	1.05	80.2	1.06	87.7	1.07	94.2	1.08	42
31.3	0.90	38.9	0.95	45.4	0.97	53.4	0.99	62.4	1.01	71.4	1.05	78.9	1.06	86.4	1.07	93.0	1.08	43
28.8	0.89	36.3	0.94	42.8	0.96	50.9	0.98	59.9	1.01	68.9	1.04	76.4	1.06	83.9	1.07	90.4	1.08	44
—	—	24.6	0.90	31.2	0.93	39.3	0.96	48.4	0.99	57.4	1.03	65.0	1.05	72.5	1.06	79.0	1.07	45
C100		C115		C128		C144		C162		C180		C195		C210		C225		
28.8	0.89	36.4	0.94	42.9	0.96	50.9	0.98	60.0	1.01	69.0	1.04	76.5	1.06	84.0	1.07	90.5	1.08	46
39.5	0.92	47.1	0.96	53.6	0.98	61.6	1.00	70.6	1.02	79.6	1.05	87.1	1.07	94.6	1.08	101.1	1.09	47
35.3	0.91	42.8	0.95	49.3	0.97	57.3	0.99	66.3	1.01	75.3	1.05	82.8	1.06	90.3	1.08	96.8	1.09	48
21.0	0.86	28.7	0.92	35.3	0.94	43.3	0.97	52.4	0.99	61.4	1.03	68.9	1.05	76.5	1.06	83.0	1.07	49
40.6	0.92	48.1	0.96	54.6	0.98	62.6	1.00	71.6	1.02	80.6	1.05	88.1	1.07	95.6	1.08	102.1	1.09	50
C81		C90		C105		C115		C128		C144		C158		C173		C195		
29.8	0.86	34.3	0.90	41.8	0.92	46.8	0.96	53.3	0.98	61.3	1.00	68.3	1.01	75.8	1.03	86.8	1.07	51
28.9	0.86	33.4	0.89	40.9	0.92	45.9	0.96	52.4	0.98	60.5	1.00	67.5	1.01	75.0	1.03	86.0	1.07	52
21.9	0.84	26.4	0.88	34.0	0.91	39.0	0.94	45.5	0.97	53.6	0.99	60.6	1.00	68.1	1.02	79.1	1.06	53
28.8	0.86	33.3	0.89	40.9	0.92	45.9	0.96	52.4	0.98	60.4	1.00	67.4	1.01	74.9	1.03	85.9	1.07	54
25.8	0.85	30.3	0.89	37.8	0.92	42.8	0.95	49.4	0.97	57.4	0.99	64.4	1.01	71.9	1.02	82.9	1.06	55
C81		C90		C105		C115		C128		C144		C158		C173		C195		
24.5	0.85	29.0	0.88	36.6	0.91	41.6	0.95	48.1	0.97	56.1	0.99	63.1	1.01	70.6	1.02	81.6	1.06	56
23.2	0.84	27.7	0.88	35.3	0.91	40.3	0.95	46.8	0.97	54.8	0.99	61.8	1.00	69.4	1.02	80.4	1.06	57
29.9	0.86	34.4	0.90	41.9	0.92	46.9	0.96	53.4	0.98	61.4	1.00	68.4	1.01	75.9	1.03	86.9	1.07	58
—	—	21.4	0.85	29.0	0.89	34.0	0.93	40.6	0.95	48.6	0.98	55.6	1.00	63.2	1.01	74.2	1.05	59
29.6	0.86	34.1	0.90	41.6	0.92	46.7	0.96	53.2	0.98	61.2	1.00	68.2	1.01	75.7	1.03	86.7	1.07	60
C81		C90		C105		C115		C128		C144		C158		C173		C195		
23.3	0.84	27.8	0.88	35.4	0.91	40.4	0.95	46.9	0.97	54.9	0.99	61.9	1.00	69.4	1.02	80.4	1.06	61
19.4	0.82	24.0	0.87	31.6	0.90	36.6	0.94	43.1	0.96	51.2	0.98	58.2	1.00	65.7	1.02	76.7	1.06	62
30.9	0.86	35.4	0.90	42.9	0.92	47.9	0.96	54.4	0.98	62.4	1.00	69.4	1.01	76.9	1.03	87.9	1.07	63
22.0	0.84	26.6	0.87	34.1	0.91	39.2	0.94	45.7	0.96	53.7	0.99	60.7	1.00	68.2	1.02	79.2	1.06	64
24.6	0.85	29.2	0.88	36.7	0.91	41.7	0.95	48.2	0.97	56.3	0.99	63.3	1.01	70.8	1.02	81.8	1.06	65
C81		C90		C105		C115		C128		C144		C158		C173		C195		
23.3	0.84	27.9	0.88	35.4	0.91	40.4	0.95	47.0	0.97	55.0	0.99	62.0	1.00	69.5	1.02	80.5	1.06	66
29.7	0.86	34.2	0.89	41.7	0.92	46.7	0.96	53.2	0.98	61.2	1.00	68.2	1.01	75.7	1.03	86.8	1.07	67
29.5	0.86	34.0	0.89	41.5	0.92	46.5	0.96	53.0	0.98	61.0	1.00	68.0	1.01	75.5	1.03	86.5	1.07	68
25.9	0.85	30.5	0.89	38.0	0.91	43.0	0.95	49.5	0.97	57.5	0.99	64.5	1.01	72.0	1.02	83.0	1.06	69
19.6	0.82	24.1	0.86	31.7	0.90	36.8	0.94	43.3	0.96	51.3	0.98	58.3	1.00	65.8	1.02	76.9	1.06	70
C100		C115		C128		C144		C162		C180		C195		C210		C225		
40.2	0.91	47.8	0.96	54.3	0.98	62.3	1.00	71.3	1.02	80.3	1.05	87.8	1.07	95.3	1.08	101.8	1.09	71
—	—	25.3	0.90	31.9	0.93	40.0	0.96	49.1	0.98	58.2	1.03	65.7	1.04	73.2	1.06	79.8	1.07	72
38.0	0.91	45.5	0.96	52.0	0.97	60.1	0.99	69.1	1.01	78.1	1.05	85.6	1.07	93.1	1.08	99.6	1.09	73
31.8	0.90	39.3	0.94	45.8	0.96	53.9	0.99	62.9	1.01	71.9	1.05	79.4	1.06	86.9	1.07	93.4	1.08	74
26.7	0.88	34.3	0.93	40.9	0.95	48.9	0.98	57.9	1.00	67.0	1.04	74.5	1.05	82.0	1.07	88.5	1.08	75

B

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Datum Diameter Driver	Datum Diameter Driven	Type Fix.	Type Var.	Nominal Driven Speeds and Horsepower per Belt — 1750 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	1160 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	Center Distance in Inches and "F" Factor for Browning Belts: Belt No.	C.D.	F	Belt No.	C.D.	F	Belt No.	C.D.	F
														C68			C85			C105		
1	1.78	2	12	20.0	36.0	X	—	—	—	—	651	39.76	45.20	—	—		—	—		—	—	
2	1.79	3	4	5.5	10.2	X	—	977	8.47	15.51	648	6.84	11.49	23.0	0.83		31.5	0.88		41.6	0.92	
3	1.79	3	6	8.2	15.0	X	—	977	18.72	23.48	648	14.63	17.61	16.9	0.80		25.5	0.87		35.6	0.91	
4	1.80	1	6	7.6	14.0	X	—	972	16.54	21.84	644	12.90	16.30	18.2	0.81		26.8	0.87		36.9	0.91	
5	1.80	2	12	9.8	18.0	X	—	972	24.05	29.24	644	19.07	22.11	—	—		21.7	0.85		31.9	0.90	
														C51			C60			C72		
6	1.81	3	4	5.0	9.4	X	—	966	6.62	13.89	640	5.47	10.29	15.5	0.77		20.0	0.81		26.1	0.84	
7	1.81	1	4	5.6	10.5	X	—	966	8.84	15.84	640	7.11	11.73	14.1	0.77		18.7	0.80		24.7	0.84	
8	1.81	1	8	7.0	13.0	X	—	966	14.25	20.12	640	11.13	14.97	—	—		15.5	0.78		21.5	0.83	
9	1.82	1	6	7.5	14.0	X	—	961	16.16	21.56	637	12.60	16.09	—	—		14.2	0.77		20.3	0.82	
10	1.82	1	10	8.6	16.0	X	—	961	20.12	24.94	637	15.77	18.67	—	—		—	—		17.8	0.81	
														C51			C68			C85		
11	1.82	1	12	13.0	24.0	X	—	961	32.17	38.78	637	27.07	30.62	—	—		—	—		—	—	
12	1.83	3	4	5.0	9.5	X	—	956	6.63	13.89	633	5.47	10.30	15.4	0.77		24.0	0.83		32.5	0.89	
13	1.83	1	4	5.6	10.6	X	—	956	8.85	15.84	633	7.12	11.74	14.1	0.76		22.6	0.83		31.1	0.88	
14	1.83	3	10	8.0	15.0	X	—	956	18.00	22.96	633	14.06	17.19	—	—		17.0	0.80		25.7	0.87	
15	1.84	3	4	5.5	10.5	X	—	951	8.49	15.53	630	6.85	11.50	14.2	0.77		22.8	0.83		31.3	0.88	
														C51			C60			C72		
16	1.84	2	6	6.0	11.4	X	—	951	10.29	17.11	630	8.19	12.68	13.0	0.76		17.6	0.79		23.6	0.83	
17	1.84	2	6	7.4	14.0	X	—	951	15.78	21.29	630	12.31	15.87	—	—		14.3	0.77		20.4	0.82	
18	1.84	1	10	8.5	16.0	X	—	951	19.78	24.56	630	15.48	18.37	—	—		—	—		17.8	0.81	
19	1.84	1	12	9.6	18.0	X	—	951	23.42	28.55	630	18.53	21.55	—	—		—	—		15.2	0.79	
20	1.85	3	4	5.0	9.6	X	—	945	6.63	13.90	627	5.48	10.30	15.3	0.77		19.9	0.81		25.9	0.84	
														C60			C75			C90		
21	1.85	1	12	9.5	18.0	X	—	945	23.11	28.20	627	18.26	21.26	—	—		16.8	0.80		24.5	0.86	
22	1.85	1	12	10.6	20.0	X	—	945	26.41	31.90	627	21.18	24.33	—	—		—	—		21.9	0.85	
23	1.85	2	12	16.0	30.0	X	—	—	—	—	627	33.40	37.60	—	—		—	—		—	—	
24	1.86	3	4	5.5	10.6	X	—	940	8.49	15.53	623	6.85	11.51	18.6	0.80		26.2	0.84		33.7	0.89	
25	1.86	2	6	8.4	16.0	X	—	940	19.43	24.19	623	15.20	18.08	—	—		19.4	0.82		27.0	0.87	
														C51			C60			C72		
26	1.87	3	6	7.8	15.0	X	—	935	17.28	22.42	620	13.48	16.76	—	—		13.1	0.76		19.2	0.81	
27	1.87	2	12	9.4	18.0	X	—	935	22.79	27.85	620	17.99	20.98	—	—		—	—		15.3	0.79	
28	1.87	1	12	10.5	20.0	X	—	935	26.12	31.58	620	20.92	24.06	—	—		—	—		—	—	
29	1.88	3	4	5.0	9.8	X	—	930	6.64	13.91	617	5.49	10.31	15.1	0.77		19.7	0.80		25.7	0.84	
30	1.89	2	6	7.2	14.0	X	—	925	15.02	20.73	613	11.72	15.44	—	—		14.4	0.77		20.5	0.82	
														C51			C68			C85		
31	1.90	1	4	5.6	11.0	X	—	921	8.87	15.86	610	7.13	11.75	13.7	0.76		22.3	0.82		30.8	0.88	
32	1.90	1	6	8.2	16.0	X	—	921	18.72	23.52	610	14.63	17.63	—	—		16.0	0.79		24.6	0.86	
33	1.90	2	12	14.0	27.0	X	—	—	—	—	610	29.32	33.06	—	—		—	—		—	—	
34	1.91	2	12	9.2	18.0	X	—	916	22.14	27.14	607	17.44	20.41	—	—		—	—		22.2	0.85	
35	1.92	3	4	5.0	10.0	X	—	911	6.65	13.92	604	5.49	10.31	15.0	0.77		23.5	0.83		32.1	0.88	
														C51			C60			C72		
36	1.92	3	6	7.6	15.0	X	—	911	16.54	21.88	604	12.90	16.33	—	—		13.2	0.76		19.4	0.81	
37	1.92	2	12	10.2	20.0	X	X	911	25.25	30.59	604	20.14	23.23	—	—		—	—		—	—	
38	1.93	3	4	5.5	11.0	X	—	906	8.51	15.55	601	6.86	11.52	13.7	0.76		18.3	0.80		24.3	0.83	
39	1.93	1	6	6.0	12.0	X	—	906	10.32	17.13	601	8.21	12.70	12.5	0.75		17.1	0.79		23.1	0.83	
40	1.94	1	8	7.0	14.0	X	—	902	14.25	20.16	597	11.13	15.00	—	—		14.5	0.77		20.7	0.82	
														C51			C60			C72		
41	1.94	3	6	7.5	15.0	X	—	902	16.16	21.60	597	12.60	16.11	—	—		13.3	0.76		19.4	0.81	
42	1.95	1	10	8.0	16.0	X	—	897	18.00	22.99	594	14.06	17.21	—	—		—	—		18.2	0.80	
43	1.95	1	12	9.0	18.0	X	X	897	21.48	26.41	594	16.88	19.83	—	—		—	—		15.6	0.78	
44	1.96	3	4	5.0	10.2	X	—	892	6.66	13.93	591	5.50	10.32	14.8	0.77		19.3	0.80		25.4	0.84	
45	1.96	2	4	5.6	11.4	X	—	892	8.89	15.88	591	7.14	11.76	13.3	0.75		17.9	0.79		23.9	0.83	
														C60			C75			C90		
46	1.96	1	12	10.0	20.0	X	X	892	24.66	29.92	591	19.60	22.67	—	—		—	—		22.3	0.85	
47	1.96	1	12	12.0	24.0	X	—	892	30.02	36.12	591	24.70	28.07	—	—		—	—		—	—	
48	1.97	3	6	7.4	15.0	X	—	888	15.78	21.32	588	12.31	15.90	13.3	0.76		21.0	0.82		28.6	0.87	
49	1.97	3	12	15.0	30.0	X	—	—	—	—	588	31.43	35.39	—	—		—	—		—	—	
50	2.00	3	4	5.5	11.4	X	—	875	8.53	15.57	580	6.87	11.53	17.9	0.79		25.5	0.84		33.1	0.89	
														C51			C60			C72		
51	2.00	2	6	7.8	16.0	X	—	875	17.51	22.45	580	13.63	16.78	—	—		—	—		18.3	0.80	
52	2.00	2	6	8.8	18.0	X	—	875	21.04	25.87	580	16.48	19.38	—	—		—	—		15.7	0.78	
53	2.00	2	12	9.8	20.0	X	—	875	24.28	29.43	580	19.22	22.24	—	—		—	—		—	—	
54	2.01	3	4	5.0	10.5	X	—	870	6.67	13.94	577	5.51	10.33	14.5	0.76		19.1	0.80		25.1	0.83	
55	2.02	3	6	7.2	15.0	X	—	866	15.25	20.76	574	11.87	15.46	—	—		13.5	0.76		19.6	0.81	
														C51			C68			C85		
56	2.03	3	4	5.0	10.6	X	—	862	6.68	13.94	571	5.51	10.33	14.4	0.76		23.0	0.82		31.6	0.88	
57	2.04	1	6	7.6	16.0	X	—	857	16.77	21.90	568	13.05	16.35	—	—		16.4	0.78		25.1	0.86	
58	2.04	1	10	8.6	18.0	X	—	857	20.36	25.13	568	15.92	18.79	—	—		—	—		22.6	0.84	
59	2.04	1	12	9.6	20.0	X	—	857	23.65	28.74	568	18.68	21.67	—	—		—	—		20.0	0.83	
60	2.04	2	12	13.0	27.0	X	—	857	32.40	38.97	568	27.23	30.75	—	—		—	—		—	—	
														C51			C68			C85		
61	2.06	1	4	5.6	12.0	X	—	849	8.91	15.90	563	7.15	11.78	12.7	0.75		21.4	0.81		30.0	0.87	
62	2.06	1	10	8.5	18.0	X	—	849	20.01	24.76	563	15.64	18.50	—	—		—	—		22.6	0.84	
63	2.06	1	12	9.5	20.0	X	—	849	23.34	28.39	563	18.41	21.39	—	—		—	—		20.1	0.83	
64	2.06	2	6	11.4	24.0	X	—	849	28.79	34.58	563	23.38	26.62	—	—		—	—		—	—	
65	2.07	1	6	7.5	16.0	X	—	845	16.39	21.63	560	12.76	16.13	—	—		16.5	0.78		25.1	0.86	
														C51			C60			C72		
66	2.08	3	8	7.0	15.0	X	—	841	14.48	20.19	557	11.28	15.02	—	—		13.6	0.76		19.8	0.81	
67	2.08	2	12	9.4	20.0	X	—	841	23.02	28.04	557	18.14	21.11	—	—		—	—		—	—	
68	2.09	1	6	6.0	13.0	X	—	837	10.46	17.17	555	8.25	12.72	11.5	0.73		16.2	0.78		22.3	0.82	
69	2.09	2	6	8.4	18.0	X	—	837	19.66	24.38	555	15.35	18.21	—	—		—	—		16.0	0.78	
70	2.10	3	4	5.5	12.0	X	—	833	8.55	15.58	552	6.89	11.54	12.8	0.74		17.4	0.79		23.5	0.83	
														C60			C75			C90		
71	2.10	2	6	7.4	16.0	X	—	833	16.02	21.35	552	12.46	15.91	—	—		20.1	0.81		27.7	0.87	
72	2.11	3	4	5.0	11.0	X	—	829	6.69	13.96	549	5.52	10.34	18.6	0.79		26.2	0.84		33.8	0.89	
73	2.11	2	12	14.0	30.0	X	—	—	—	—	549	29.47	33.19	—	—		—	—		—	—	
74	2.12	2	12	9.2	20.0	X	—	825	22.37	27.33	547	17.59	20.53	—	—		—	—		22.9	0.84	
75	2.13	1	6	8.2	18.0	X	—	821	18.95	23.62	544	14.79	17.67	—	—		17.7	0.79		25.4	0.86	

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts

Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
C128		**C150**		**C173**		**C195**		**C225**		**C240**		**C255**		**C270**		**C285**		
—	—	31.5	0.93	43.3	0.97	54.4	1.02	68.5	1.05	76.1	1.07	83.6	1.08	91.1	1.11	98.7	1.12	1
53.1	0.98	64.1	1.00	75.6	1.03	86.6	1.07	100.6	1.09	108.1	1.10	115.6	1.11	123.1	1.14	130.6	1.15	2
47.1	0.97	58.1	0.99	69.7	1.02	80.7	1.06	94.7	1.08	102.2	1.09	109.7	1.10	117.2	1.13	124.7	1.14	3
48.4	0.97	59.4	1.00	70.9	1.02	81.9	1.06	95.9	1.08	103.4	1.10	110.9	1.11	118.5	1.14	126.0	1.14	4
43.4	0.96	54.5	0.99	66.0	1.02	77.0	1.06	91.0	1.08	98.5	1.09	106.0	1.10	113.6	1.13	121.1	1.14	5
C81		**C90**		**C105**		**C115**		**C128**		**C144**		**C158**		**C173**		**C195**		
30.6	0.86	35.1	0.90	42.6	0.92	47.6	0.96	54.1	0.98	62.1	1.00	69.1	1.01	76.6	1.03	87.6	1.07	6
29.2	0.86	33.7	0.89	41.2	0.92	46.2	0.96	52.8	0.97	60.8	0.99	67.8	1.01	75.3	1.03	86.3	1.07	7
26.1	0.85	30.6	0.89	38.1	0.91	43.1	0.95	49.7	0.97	57.7	0.99	64.7	1.01	72.2	1.02	83.2	1.06	6
24.9	0.85	29.4	0.88	36.9	0.91	41.9	0.95	48.5	0.97	56.5	0.99	63.5	1.01	71.0	1.02	82.0	1.06	9
22.3	0.83	26.9	0.87	34.4	0.91	39.5	0.94	46.0	0.96	54.0	0.99	61.0	1.00	68.5	1.02	79.6	1.06	10
C100		**C115**		**C128**		**C144**		**C162**		**C180**		**C195**		**C210**		**C225**		
21.7	0.85	29.4	0.91	36.0	0.94	44.1	0.97	53.1	0.99	62.2	1.03	69.7	1.05	77.2	1.06	83.7	1.07	11
40.0	0.91	47.5	0.96	54.0	0.98	62.0	1.00	71.0	1.02	80.0	1.05	87.5	1.07	95.0	1.08	101.5	1.09	12
38.7	0.91	46.2	0.96	52.7	0.97	60.7	0.99	69.7	1.01	78.7	1.05	86.2	1.07	93.7	1.08	100.2	1.09	13
33.2	0.90	40.7	0.95	47.3	0.97	55.3	0.99	64.3	1.01	73.3	1.05	80.8	1.06	88.3	1.07	94.8	1.08	14
38.8	0.91	46.3	0.96	52.8	0.97	60.8	0.99	69.8	1.01	78.9	1.05	86.4	1.07	93.9	1.08	100.4	1.09	15
C81		**C90**		**C105**		**C115**		**C128**		**C144**		**C158**		**C173**		**C195**		
28.2	0.86	32.7	0.89	40.2	0.92	45.2	0.95	51.7	0.97	59.7	0.99	66.7	1.01	74.2	1.02	85.2	1.06	16
24.9	0.84	29.5	0.88	37.0	0.91	42.0	0.95	48.5	0.97	56.6	0.99	63.6	1.00	71.1	1.02	82.1	1.06	17
22.4	0.83	27.0	0.87	34.5	0.90	39.5	0.94	46.1	0.96	54.1	0.98	61.1	1.00	68.6	1.02	79.6	1.06	18
19.8	0.82	24.4	0.86	32.0	0.90	37.0	0.94	43.6	0.96	51.6	0.98	58.6	1.00	66.2	1.01	77.2	1.06	19
30.4	0.86	34.9	0.89	42.4	0.92	47.4	0.96	53.9	0.98	61.9	1.00	69.0	1.01	76.5	1.03	87.5	1.07	20
C105		**C128**		**C144**		**C162**		**C180**		**C195**		**C210**		**C225**		**C240**		
32.1	0.90	43.7	0.96	51.7	0.98	60.7	1.00	69.7	1.04	77.2	1.06	84.8	1.07	91.3	1.08	98.8	1.09	21
29.6	0.89	41.2	0.95	49.2	0.98	58.2	1.00	67.3	1.04	74.8	1.05	82.3	1.07	88.8	1.08	96.3	1.09	22
—	—	28.5	0.91	36.7	0.94	45.8	0.97	54.9	1.02	62.4	1.04	70.0	1.05	76.5	1.06	84.0	1.08	23
41.2	0.92	52.7	0.97	60.8	0.99	69.8	1.01	78.8	1.05	86.3	1.06	93.8	1.08	100.3	1.09	107.8	1.10	24
34.6	0.90	46.1	0.96	54.2	0.98	63.2	1.01	72.2	1.04	79.7	1.06	87.2	1.07	93.7	1.08	101.2	1.09	25
C81		**C90**		**C105**		**C115**		**C128**		**C144**		**C158**		**C173**		**C195**		
23.8	0.84	28.3	0.88	35.9	0.91	40.9	0.94	47.4	0.96	55.4	0.99	62.4	1.00	70.0	1.02	81.0	1.06	26
20.0	0.82	24.6	0.86	32.2	0.90	37.2	0.94	43.7	0.96	51.8	0.98	58.8	1.00	66.3	1.01	77.3	1.06	27
17.4	0.80	22.0	0.85	29.6	0.89	34.7	0.93	41.2	0.95	49.3	0.98	56.3	0.99	63.8	1.01	74.9	1.05	28
30.2	0.86	34.7	0.89	42.3	0.92	47.3	0.96	53.8	0.97	61.8	0.99	68.8	1.01	76.3	1.03	87.3	1.07	29
25.1	0.84	29.6	0.88	37.2	0.91	42.2	0.95	48.7	0.97	56.7	0.99	63.7	1.00	71.2	1.02	82.2	1.06	30
C100		**C115**		**C128**		**C144**		**C162**		**C180**		**C195**		**C210**		**C225**		
38.3	0.91	45.8	0.95	52.3	0.97	60.4	0.99	69.4	1.01	78.4	1.05	85.9	1.06	93.4	1.08	99.9	1.09	31
32.2	0.89	39.8	0.94	46.3	0.96	54.3	0.98	63.3	1.01	72.3	1.04	79.9	1.06	87.4	1.07	93.9	1.08	32
—	—	26.0	0.89	32.6	0.92	40.7	0.95	49.8	0.98	58.9	1.02	66.4	1.04	74.0	1.06	80.5	1.07	33
29.8	0.89	37.3	0.93	43.9	0.96	51.9	0.98	60.9	1.00	70.0	1.04	77.5	1.06	85.0	1.07	91.5	1.08	34
39.6	0.91	47.1	0.96	53.6	0.97	61.6	0.99	70.6	1.01	79.6	1.05	87.1	1.07	94.6	1.08	101.1	1.09	35
C81		**C90**		**C105**		**C115**		**C128**		**C144**		**C158**		**C173**		**C195**		
23.9	0.84	28.5	0.88	36.0	0.91	41.0	0.94	47.6	0.96	55.6	0.99	62.6	1.00	70.1	1.02	81.1	1.06	36
17.6	0.80	22.2	0.85	29.8	0.89	34.9	0.93	41.5	0.95	49.5	0.97	56.5	0.99	64.1	1.01	75.1	1.05	37
28.9	0.86	33.4	0.89	40.9	0.92	45.9	0.95	52.4	0.97	60.4	0.99	67.4	1.01	74.9	1.02	86.0	1.06	38
27.7	0.85	32.2	0.89	39.7	0.92	44.7	0.95	51.2	0.97	59.2	0.99	66.3	1.01	73.8	1.02	84.8	1.06	39
25.2	0.64	29.8	0.88	37.3	0.91	42.3	0.95	48.8	0.97	56.9	0.99	63.9	1.00	71.4	1.02	82.4	1.06	40
C81		**C90**		**C105**		**C115**		**C128**		**C144**		**CI58**		**C173**		**C195**		
24.0	0.84	28.5	0.87	36.1	0.91	41.1	0.94	47.6	0.96	55.7	0.99	62.7	1.00	70.2	1.02	81.2	1.06	41
22.8	0.83	27.3	0.87	34.9	0.90	39.9	0.94	46.4	0.96	54.5	0.98	61.5	1.00	69.0	1.02	80.0	1.06	42
20.3	0.82	24.8	0.86	32.4	0.90	37.5	0.93	44.0	0.96	52.1	0.98	59.1	1.00	66.6	1.01	77.6	1.05	43
29.9	0.86	34.4	0.89	41.9	0.92	46.9	0.96	53.5	0.97	61.5	0.99	68.5	1.01	76.0	1.02	87.0	1.06	44
28.5	0.85	33.0	0.89	40.5	0.92	45.5	0.95	52.0	0.97	60.0	0.99	67.0	1.01	74.5	1.02	85.6	1.06	45
C105		**C128**		**C144**		**C162**		**C180**		**C195**		**C210**		**C225**		**C240**		
30.0	0.89	41.6	0.95	49.6	0.97	58.7	1.00	67.7	1.04	75.2	1.05	82.7	1.07	89.3	1.08	96.8	1.09	46
25.0	0.86	36.7	0.94	44.8	0.96	53.9	0.99	62.9	1.03	70.4	1.05	78.0	1.06	84.5	1.07	92.0	1.08	47
36.2	0.91	47.7	0.96	55.7	0.99	64.8	1.01	73.8	1.04	81.3	1.06	88.8	1.07	95.3	1.08	102.8	1.09	48
—	—	29.2	0.91	37.4	0.94	46.5	0.97	55.6	1.02	63.2	1.03	70.7	1.05	77.3	1.06	84.8	1.07	49
40.6	0.92	52.1	0.97	60.1	0.99	69.1	1.01	78.1	1.05	85.6	1.06	93.1	1.08	99.6	1.09	107.1	1.10	50
C81		**C90**		**C105**		**C115**		**C128**		**C144**		**C158**		**C173**		**C195**		
22.9	0.83	27.5	0.87	35.0	0.90	40.1	0.94	46.6	0.96	54.6	0.98	61.6	1.00	69.1	1.02	80.2	1.06	51
20.4	0.82	25.0	0.86	32.6	0.89	37.6	0.93	44.2	0.96	52.2	0.98	59.2	1.00	66.8	1.01	77.8	1.05	52
17.8	0.80	22.5	0.85	30.1	0.89	35.2	0.93	41.7	0.95	49.8	0.97	56.8	0.99	64.4	1.01	75.4	1.05	53
29.7	0.86	34.2	0.89	41.7	0.92	46.7	0.95	53.2	0.97	61.2	0.99	68.2	1.01	75.7	1.02	86.7	1.06	54
24.2	0.84	28.8	0.87	36.3	0.91	41.3	0.94	47.9	0.96	55.9	0.98	62.9	1.00	70.4	1.02	81.4	1.06	55
C100		**C115**		**C128**		**C144**		**C162**		**C180**		**C195**		**C210**		**C225**		
39.1	0.91	46.6	0.95	53.1	0.97	61.1	0.99	70.1	1.01	79.2	1.05	86.7	1.06	94.2	1.08	100.7	1.09	56
32.7	0.89	40.2	0.94	46.7	0.96	54.8	0.98	63.8	1.00	72.8	1.04	80.3	1.06	87.8	1.07	94.3	1.08	57
30.2	0.88	37.8	0.93	44.3	0.95	52.4	0.98	61.4	1.00	70.4	1.04	77.9	1.05	85.4	1.07	91.9	1.08	58
27.7	0.87	35.3	0.93	41.9	0.95	49.9	0.97	59.0	1.00	68.0	1.04	75.5	1.05	83.1	1.06	89.6	1.08	59
—	—	26.6	0.89	33.3	0.92	41.5	0.95	50.6	0.98	59.6	1.02	67.2	1.04	74.7	1.05	81.2	1.07	60
C100		**C115**		**C128**		**C144**		**C162**		**C180**		**C195**		**C210**		**C225**		
37.5	0.90	45.0	0.95	51.5	0.97	59.5	0.99	68.6	1.01	77.6	1.05	85.1	1.06	92.6	1.07	99.1	1.08	61
30.3	0.88	37.8	0.93	44.4	0.95	52.4	0.98	61.5	1.00	70.5	1.04	78.0	1.05	85.5	1.07	92.0	1.08	62
27.8	0.87	35.4	0.93	42.0	0.95	50.0	0.97	59.1	1.00	68.1	1.04	75.6	1.05	83.1	1.06	89.6	1.08	63
22.8	0.85	30.5	0.91	37.1	0.93	45.2	0.96	54.3	0.99	63.3	1.03	70.9	1.04	78.4	1.06	84.9	1.07	64
32.7	0.89	40.3	0.94	46.8	0.96	54.8	0.98	63.9	1.00	72.9	1.04	80.4	1.06	87.9	1.07	94.4	1.08	65
C81		**C90**		**C105**		**C115**		**C128**		**C144**		**C158**		**C173**		**C195**		
24.4	0.84	28.9	0.87	36.5	0.90	41.5	0.94	48.0	0.96	56.0	0.98	63.1	1.00	70.6	1.02	81.6	1.06	66
18.1	0.80	22.8	0.84	30.4	0.88	35.5	0.92	42.0	0.95	50.1	0.97	57.1	0.99	64.7	1.01	75.7	1.05	67
26.8	0.85	31.3	0.88	38.9	0.91	43.9	0.95	50.4	0.97	58.4	0.99	65.4	1.00	73.0	1.02	84.0	1.06	68
20.7	0.82	25.3	0.86	32.9	0.89	37.9	0.93	44.5	0.95	52.5	0.98	59.5	1.00	67.1	1.01	78.1	1.05	69
28.0	0.85	32.6	0.88	40.1	0.91	45.1	0.95	51.6	0.97	59.6	0.99	66.6	1.01	74.1	1.02	85.2	1.06	70
C105		**C128**		**C144**		**C162**		**C180**		**C195**		**C210**		**C225**		**C240**		
35.3	0.90	46.9	0.96	54.9	0.98	63.9	1.00	73.0	1.04	80.5	1.06	88.0	1.07	94.5	1.08	102.0	1.09	71
41.3	0.92	52.8	0.97	60.8	0.99	69.8	1.01	78.8	1.05	86.3	1.06	93.8	1.08	100.3	1.09	107.8	1.10	72
—	—	29.8	0.90	38.1	0.94	47.2	0.97	56.3	1.01	63.9	1.03	71.5	1.05	78.0	1.06	85.5	1.07	73
30.6	0.88	42.2	0.95	50.2	0.97	59.3	1.00	68.3	1.04	75.8	1.05	83.4	1.06	89.9	1.07	97.4	1.09	74
33.0	0.89	44.6	0.95	52.7	0.98	61.7	1.00	70.7	1.04	78.2	1.05	85.7	1.07	92.3	1.08	99.8	1.09	75

B

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Datum Diameter Driver	Datum Diameter Driven	Type Fix.	Type Var.	Nominal Driven Speeds and Horsepower per Belt — 1750 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	1160 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	Center Distance in Inches and "F" Factor for Browning Belts: Belt No.	C.D.	F	Belt No.	C.D.	F	Belt No.	C.D.	F
														C75			C100			C128		
1	2.14	1	12	11.0	24.0	X	X	817	27.74	33.36	542	22.37	25.55	—			23.1		0.84	37.4		0.93
2	2.15	2	6	7.2	16.0	X	—	813	15.25	20.78	539	11.87	15.47	20.3		0.81	32.9		0.89	47.0		0.96
3	2.17	1	12	9.0	20.0	X	X	806	21.71	26.61	534	17.04	19.96	—		—	28.1		0.87	42.3		0.95
4	2.17	2	12	20.0	44.0	X	—	—	—	—	534	39.91	45.33	—		—	—		—	—		—
5	2.18	3	4	5.0	11.4	X	—	802	6.70	13.97	532	5.52	10.35	25.9		0.84	38.4		0.91	52.5		0.97
														C51			C68			C85		
6	2.19	1	10	8.0	18.0	X	—	799	18.24	23.03	529	14.21	17.24	—		—	—		—	23.0		0.84
7	2.20	2	12	12.0	27.0	X	—	795	30.25	36.32	527	24.86	28.20	—		—	—		—	—		—
8	2.21	1	8	7.0	16.0	X	—	791	14.48	20.21	524	11.28	15.03	—		—	16.8		0.78	25.5		0.85
9	2.21	2	6	8.8	20.0	X	—	791	21.04	25.87	524	16.48	19.38	—		—	—		—	20.6		0.82
10	2.21	1	12	10.6	24.0	X	—	791	26.64	32.09	524	21.34	24.46	—		—	—		—	—		—
														C51			C68			C85		
11	2.23	1	4	5.6	13.0	X	—	784	8.93	15.92	520	7.17	11.79	11.8		0.73	20.5		0.81	29.1		0.87
12	2.23	1	12	10.5	24.0	X	—	784	26.36	31.77	520	21.08	24.19	—		—	—		—	—		—
13	2.24	2	6	7.8	18.0	X	—	781	17.51	22.49	517	13.63	16.81	—		—	14.3		0.76	23.1		0.84
14	2.25	1	6	6.0	14.0	X	—	777	10.46	17.19	515	8.25	12.74	—		—	19.3		0.80	28.0		0.86
15	2.26	1	10	8.6	20.0	X	—	774	20.36	25.13	513	15.92	18.79	—		—	—		—	20.7		0.82
														C51			C68			C85		
16	2.26	2	12	13.0	30.0	X	—	774	32.40	38.97	513	27.23	30.75	—		—	—		—	—		—
17	2.27	3	4	5.5	13.0	X	—	770	8.57	15.61	511	6.90	11.56	11.8		0.73	20.6		0.80	29.2		0.87
18	2.29	3	4	5.0	12.0	X	—	764	6.72	13.98	506	5.53	10.36	13.1		0.74	21.8		0.81	30.4		0.87
19	2.29	1	6	7.6	18.0	X	—	764	16.77	21.94	506	13.05	16.37	—		—	14.4		0.75	23.3		0.84
20	2.29	1	10	8.5	20.0	X	—	764	20.01	24.76	506	15.64	18.50	—		—	—		—	20.8		0.82
														C51			C68			C85		
21	2.30	2	12	10.2	24.0	X	X	760	25.48	30.79	504	20.29	23.36	—		—	—		—	—		—
22	2.31	2	6	8.4	20.0	X	—	757	19.66	24.38	502	15.35	18.21	—		—	—		—	20.9		0.82
23	2.32	1	6	7.5	18.0	X	—	754	16.39	21.66	500	12.76	16.15	—		—	14.5		0.75	23.3		0.84
24	2.32	2	6	11.4	27.0	X	—	754	28.79	34.58	500	23.38	26.62	—		—	—		—	—		—
25	2.34	1	12	10.0	24.0	X	X	747	24.89	30.12	495	19.76	22.80	—		—	—		—	—		—
														C60			C81			C100		
26	2.35	2	6	7.4	18.0	X	—	744	16.02	21.38	493	12.46	15.93	—		—	21.4		0.81	31.1		0.88
27	2.36	3	12	15.0	36.0	X	—	—	—	—	491	31.58	35.52	—		—	—		—	—		—
28	2.37	1	6	8.2	20.0	X	—	738	18.95	23.62	489	14.79	17.68	—		—	18.9		0.79	28.7		0.87
29	2.39	2	12	9.8	24.0	X	—	732	24.28	29.43	485	19.22	22.24	—		—	—		—	23.9		0.84
30	2.40	1	4	5.6	14.0	X	—	729	8.95	15.94	483	7.18	11.80	15.5		0.76	26.2		0.84	35.8		0.89
														C75			C100			C128		
31	2.40	3	6	6.0	15.0	X	—	729	10.46	17.20	483	8.26	12.75	22.0		0.81	34.7		0.89	48.8		0.96
32	2.40	2	12	11.0	27.0	X	X	729	27.74	33.36	483	22.37	25.55	—		—	—		—	34.7		0.91
33	2.41	2	12	18.0	44.0	X	—	—	—	—	481	37.05	41.79	—		—	—		—	—		—
34	2.42	2	6	7.2	18.0	X	—	723	15.25	20.81	479	11.87	15.49	18.4		0.79	31.2		0.88	45.3		0.95
35	2.42	1	10	8.0	20.0	X	—	723	18.24	23.06	479	14.21	17.25	15.8		0.76	28.8		0.87	43.1		0.94
														C85			C109			C136		
36	2.44	3	4	5.5	14.0	X	—	717	8.59	15.62	475	6.91	11.57	28.3		0.86	40.4		0.91	54.0		0.97
37	2.44	1	12	9.6	24.0	X	—	717	23.65	28.74	475	18.68	21.67	—		—	28.7		0.87	42.5		0.94
38	2.45	2	12	12.0	30.0	X	—	714	30.25	36.32	473	24.86	28.20	—		—	—		—	35.3		0.91
39	2.46	1	12	9.5	24.0	X	—	711	23.34	28.39	471	18.41	21.39	—		—	28.7		0.87	42.5		0.94
40	2.47	3	12	20.0	50.0	X	—	—	—	—	469	39.91	45.33	—		—	—		—	—		—
														C51			C68			C85		
41	2.48	3	4	5.0	13.0	X	—	705	6.73	14.00	467	5.54	10.37	12.2		0.72	20.9		0.80	29.5		0.87
42	2.48	1	8	7.0	18.0	X	—	705	14.48	20.23	467	11.28	15.05	—		—	14.8		0.75	23.7		0.84
43	2.48	2	6	7.8	20.0	X	—	705	17.51	22.51	467	13.63	16.82	—		—	—		—	21.3		0.82
44	2.48	2	12	9.4	24.0	X	—	705	23.02	28.04	467	18.14	21.11	—		—	—		—	—		—
45	2.49	2	12	10.6	27.0	X	—	702	26.64	32.09	465	21.34	24.46	—		—	—		—	—		—
														C60			C81			C100		
46	2.51	2	12	10.5	27.0	X	—	697	26.36	31.77	462	21.08	24.19	—		—	—		—	20.3		0.81
47	2.52	2	12	14.0	36.0	X	—	—	—	—	460	29.47	33.19	—		—	—		—	—		—
48	2.54	1	6	7.6	20.0	X	—	688	16.77	21.96	456	13.05	16.38	—		—	19.3		0.79	29.1		0.87
49	2.54	2	12	9.2	24.0	X	—	688	22.37	27.33	456	17.59	20.53	—		—	—		—	24.3		0.84
50	2.56	3	4	5.6	15.0	X	—	683	8.96	15.95	453	7.19	11.81	14.5		0.75	25.3		0.83	35.0		0.89
														C51			C68			C85		
51	2.56	1	6	6.0	16.0	X	—	683	10.46	17.21	453	8.26	12.75	—		—	17.5		0.78	26.2		0.85
52	2.57	2	6	11.4	30.0	X	—	680	28.79	34.58	451	23.38	26.62	—		—	—		—	—		—
53	2.58	1	6	7.5	20.0	X	—	678	16.39	21.68	449	12.76	16.17	—		—	—		—	21.5		0.82
54	2.58	2	12	10.2	27.0	X	X	678	25.48	30.79	449	20.29	23.36	—		—	—		—	—		—
55	2.59	1	12	9.0	24.0	X	X	675	21.71	26.61	447	17.04	19.96	—		—	—		—	—		—
														C51			C68			C85		
56	2.61	3	4	5.5	15.0	X	—	670	8.60	15.63	444	6.92	11.57	—		—	18.8		0.78	27.4		0.85
57	2.61	2	6	7.4	20.0	X	—	670	16.02	21.40	444	12.46	15.95	—		—	—		—	21.5		0.82
58	2.63	2	12	10.0	27.0	X	X	665	24.89	30.12	441	19.76	22.80	—		—	—		—	—		—
59	2.65	2	6	8.8	24.0	X	—	660	21.04	25.87	437	16.48	19.38	—		—	—		—	—		—
60	2.66	3	4	5.0	14.0	X	—	657	6.74	14.01	436	5.55	10.37	11.1		0.70	20.0		0.79	28.7		0.86
														C75			C100			C128		
61	2.66	2	12	11.0	30.0	X	X	657	27.74	33.36	436	22.37	25.55	—		—	—		—	31.9		0.89
62	2.68	2	6	7.2	20.0	X	—	652	15.25	20.83	432	11.87	15.50	16.4		0.76	29.4		0.86	43.6		0.94
63	2.68	2	12	9.8	27.0	X	—	652	24.28	29.43	432	19.22	22.24	—		—	20.8		0.80	35.5		0.91
64	2.70	2	12	16.0	44.0	X	—	—	—	—	429	33.55	37.73	—		—	—		—	—		—
65	2.71	1	10	8.6	24.0	X	—	645	20.36	25.13	428	15.92	18.79	—		—	24.7		0.83	39.1		0.92
														C60			C81			C100		
66	2.71	2	12	13.0	36.0	X	—	645	32.40	38.97	428	27.23	30.75	—		—	—		—	—		—
67	2.73	1	4	5.6	16.0	X	—	641	8.97	15.96	424	7.20	11.82	13.5		0.73	24.4		0.82	34.1		0.88
68	2.74	1	10	8.5	24.0	X	—	638	20.01	24.76	423	15.64	18.50	—		—	—		—	24.7		0.83
69	2.74	2	12	9.6	27.0	X	—	638	23.65	28.74	423	18.68	21.67	—		—	—		—	20.9		0.80
70	2.75	1	8	7.0	20.0	X	—	636	14.48	20.25	421	11.28	15.06	—		—	19.7		0.79	29.5		0.86
														C51			C68			C85		
71	2.76	2	12	9.5	27.0	X	—	634	23.34	28.39	420	18.41	21.39	—		—	—		—	—		—
72	2.76	2	12	10.6	30.0	X	—	634	26.64	32.09	420	21.34	24.46	—		—	—		—	—		—
73	2.77	3	4	5.5	16.0	X	—	631	8.61	15.64	418	6.93	11.58	—		—	17.8		0.77	26.6		0.85
74	2.77	2	6	8.4	24.0	X	—	631	19.66	24.38	418	15.35	18.21	—		—	—		—	—		—
75	2.78	2	12	10.5	30.0	X	—	629	26.36	31.77	417	21.08	24.19	—		—	—		—	—		—

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts

Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
C150		**C173**		**C195**		**C225**		**C255**		**C285**		**C300**		**C315**		**C330**		
48.5	0.97	60.1	1.00	71.2	1.04	85.2	1.07	100.3	1.09	115.3	1.13	122.8	1.14	130.3	1.15	137.8	1.18	1
58.1	0.99	69.6	1.01	80.6	1.06	94.6	1.08	109.6	1.10	124.7	1.14	132.2	1.15	139.7	1.16	147.2	1.19	2
53.4	0.98	65.0	1.01	76.0	1.05	90.0	1.07	105.0	1.10	120.1	1.14	127.6	1.15	135.1	1.15	142.6	1.18	3
—	—	35.7	0.92	47.2	0.98	61.5	1.03	76.8	1.06	91.9	1.10	99.5	1.12	107.0	1.13	114.6	1.16	4
63.5	1.00	75.0	1.02	86.0	1.06	100.	1.08	115.0	1.11	130.0	1.14	137.5	1.15	145.0	1.16	152.5	1.19	5
C100		**C115**		**C128**		**C144**		**C162**		**C180**		**C195**		**C210**		**C225**		
30.6	0.88	38.2	0.93	44.8	0.95	52.8	0.98	61.8	1.00	70.9	1.04	78.4	1.05	85.9	1.07	92.4	1.08	6
—	—	27.3	0.88	34.0	0.92	42.2	0.95	51.3	0.98	60.4	1.02	67.9	1.04	75.5	1.05	82.0	1.06	7
33.1	0.89	40.6	0.94	47.2	0.96	55.2	0.98	64.2	1.00	73.3	1.04	80.8	1.06	88.3	1.07	94.8	1.08	8
28.3	0.87	35.9	0.92	42.5	0.95	50.5	0.97	59.6	0.99	68.6	1.03	76.1	1.05	83.7	1.06	90.2	1.07	9
23.3	0.84	31.1	0.90	37.7	0.93	45.8	0.96	54.9	0.98	63.9	1.03	71.5	1.04	79.0	1.06	85.5	1.07	10
C100		**C115**		**C128**		**C144**		**C162**		**C180**		**C195**		**C210**		**C225**		
36.7	0.90	44.2	0.95	50.7	0.97	58.7	0.99	67.7	1.01	76.8	1.05	84.3	1.06	91.8	1.07	98.3	1.08	11
23.4	0.84	31.1	0.90	37.8	0.93	45.9	0.96	55.0	0.98	64.0	1.03	71.5	1.04	79.1	1.06	85.6	1.07	12
30.8	0.88	38.4	0.93	44.9	0.95	53.0	0.98	62.0	1.00	71.0	1.04	78.5	1.05	86.0	1.07	92.6	1.08	13
35.5	0.90	43.1	0.94	49.6	0.96	57.6	0.98	66.6	1.01	75.6	1.04	83.2	1.06	90.7	1.07	97.2	1.08	14
28.4	0.87	36.0	0.92	42.6	0.95	50.7	0.97	59.7	0.99	68.8	1.03	76.3	1.05	83.8	1.06	90.3	1.07	15
C100		**C115**		**C128**		**C144**		**C162**		**C180**		**C195**		**C210**		**C225**		
—	—	23.7	0.86	30.5	0.90	38.8	0.93	47.9	0.97	57.1	1.01	64.6	1.03	72.2	1.04	78.7	1.06	16
36.7	0.90	44.3	0.95	50.8	0.97	58.8	0.99	67.8	1.01	76.8	1.05	84.3	1.06	91.9	1.07	98.4	1.08	17
37.9	0.90	45.5	0.95	52.0	0.97	60.0	0.99	69.0	1.01	78.0	1.05	85.5	1.06	93.0	1.07	99.5	1.08	18
30.9	0.88	38.5	0.93	45.1	0.95	53.1	0.98	62.1	1.00	71.2	1.04	78.7	1.05	86.2	1.07	92.7	1.08	19
28,5	0.87	36.1	0.92	42.7	0.95	50.8	0.97	59.8	0.99	68.8	1.03	76.4	1.05	83.9	1.06	90.4	1.07	20
C100		**C115**		**C128**		**C144**		**C162**		**C180**		**C195**		**C210**		**C225**		
23.6	0.84	31.3	0.90	38.0	0.93	46.1	0.96	55.2	0.98	64.2	1.03	71.8	1.04	79.3	1.06	85.8	1.07	21
28.6	0.87	36.2	0.92	42.8	0.95	50.8	0.97	59.9	0.99	68.9	1.03	76.4	1.05	84.0	1.06	90.5	1.07	22
31.0	0.88	38.6	0.93	45.1	0.95	53.2	0.97	62.2	1.00	71.2	1.04	78.8	1.05	86.3	1.07	92.8	1.08	23
—	—	27.7	0.88	34.4	0.92	42.6	0.95	51 .7	0.98	60.8	1.02	68.4	1.03	75.9	1.05	82.4	1.06	24
23.7	0.84	31.5	0.90	38.1	0.93	46.2	0.96	55.3	0.98	64.4	1.02	71.9	1.04	79.5	1.06	86.0	1.07	25
C120		**C136**		**C158**		**C173**		**C195**		**C225**		**C240**		**C255**		**C270**		
41.2	0.94	49.2	0.96	60.3	0.99	67.8	1.01	78.8	1.05	92.9	1.08	100.4	1.09	107.9	1.10	115.4	1.13	26
—	—	27.4	0.87	39.0	0.93	46.7	0.96	58.0	1.01	72.2	1.04	79.7	1.06	87.3	1.07	94.8	1.10	27
38.9	0.93	46.9	0.96	58.0	0.99	65.5	1.01	76.6	1.05	90.6	1.07	98.1	1.08	105.6	1.10	113.2	1.13	28
34.2	0.91	42.3	0.94	53.4	0.98	61.0	1.00	72.1	1.04	86.1	1.07	93.6	1.08	101.2	1.09	108.7	1.12	29
45.9	0.95	53.9	0.97	64.9	1.00	72.4	1.02	83.5	1.06	97.5	1.08	105.0	1.09	112.5	1.10	120.0	1.13	30
C150		**C173**		**C195**		**C225**		**C255**		**C285**		**C300**		**C315**		**C330**		
59.8	0.99	71.3	1.01	82.3	1.06	96.4	1.08	111.4	1.10	126.4	1.14	133.9	1.15	141.4	1.16	148.9	1.19	31
45.9	0.96	57.6	0.99	68.7	1.03	82.7	1.08	97.8	1.09	112.8	1.13	120.4	1.14	127.9	1.15	135.4	1.17	32
—	—	37.0	0.92	48.5	0.98	62.9	1.02	78.2	1.05	93.4	1.10	100.9	1.11	108.5	1.12	116.1	1.15	33
56.4	0.98	68.0	1.01	79.0	1.05	93.0	1.08	108.0	1.10	123.0	1.14	130.6	1.15	138.1	1.15	145.6	1.18	34
54.1	0.98	65.7	1.01	76.7	1.05	90.8	1.07	105.8	3.10	120.8	1.14	128.3	1.14	135.8	1.15	143.3	1.18	35
C162		**C195**		**C225**		**C255**		**C285**		**C315**		**C330**		**C345**		**C360**		
67.0	1.00	83.5	1.06	97.5	1.08	112.6	1.10	127.6	1.14	142.6	1.16	150.1	1.19	157.6	1.19	165.1	1.20	36
55.6	0.98	72.2	1.04	86.3	1.07	101.3	1.09	116.4	1.13	131.4	1.15	138.9	1.18	146.4	1.19	153.9	1.19	37
48.6	0.96	65.4	1.03	79.5	1.06	94.6	1.08	109.6	1.13	124.7	1.14	132.2	1.17	139.7	1.18	147.2	1.19	38
55.7	0.98	72.3	1.04	86.3	1.07	101.4	1.09	116.4	1.13	131.5	1.15	139.0	1.18	146.5	1.18	154.0	1.19	39
—	—	41.3	0.95	56.0	1.00	71.4	1.04	86.7	1.09	101.9	1.11	109.5	1.14	117.0	1.15	124.6	1.16	40
C100		**C115**		**C128**		**C144**		**C162**		**C180**		**C195**		**C210**		**C225**		
37.1	0.90	44.6	0.94	51.2	0.96	59.2	0.99	68.2	1.01	77.2	1.04	84.7	1.06	92.2	1.07	98.7	1.08	41
31.3	0.88	38.9	0.93	45.5	0.95	53.5	0.97	62.6	1.00	71.6	1.04	79.1	1.05	86.7	1.06	93.2	1.08	42
29.0	0.87	36.6	0.92	43.2	0.94	51.3	0.97	60.3	0.99	69.4	1.03	76.9	1.05	84.4	1.06	90.9	1.07	43
24.0	0.84	31.9	0.90	38.5	0.93	46.7	0.96	55.8	0.98	64.8	1.02	72.4	1.04	79.9	1.05	86.4	1.07	44
20.3	0.81	28.2	0.88	35.0	0.91	43.2	0.94	52.3	0.97	61.4	1.02	68.9	1.03	76.5	1.05	83.0	1.06	45
C120		**C136**		**C158**		**C173**		**C195**		**C225**		**C240**		**C255**		**C270**		
30.9	0.89	39.1	0.93	50.3	0.97	57.9	0.99	69.0	1.03	83.1	1.06	90.6	1.07	98.2	1.09	105.7	1.12	46
—	—	28.1	0.87	39.7	0.93	47.4	0.96	58.7	1.01	72.9	1.04	80.4	1.06	88.0	1.07	95.6	1.10	47
39.3	0.93	47.4	0.96	58.5	0.99	66.0	1.00	77.0	1.05	91.1	1.07	98.6	1.08	106.1	1.09	113.6	1.12	48
34.6	0.91	42.7	0.94	53.9	0.98	61.4	1.00	72.5	1.04	86.6	1.07	94.1	1.08	101.6	1.09	109.1	1.12	49
45.0	0.95	53.1	0.97	64.1	1.00	71.6	1.01	82.6	1.06	96.7	1.08	104.2	1.09	111.7	1.10	119.2	1.13	50
C100		**C115**		**C128**		**C144**		**C162**		**C180**		**C195**		**C210**		**C225**		
33.8	0.89	41.4	0.93	47.9	0.96	56.0	0.98	65.0	1.00	74.0	1.04	81.5	1.05	89.0	1.07	95.5	1.08	51
—	—	24.7	0.85	31.6	0.89	39.9	0.93	49.1	0.96	58.2	1.01	65.8	1.03	73.4	1.04	79.9	1.05	52
29.2	0.87	36.8	0.92	43.4	0.94	51.5	0.97	60.5	0.99	69.6	1.03	77.1	1.05	84.6	1.06	91.1	1.07	53
20.5	0.80	28.5	0.88	35.2	0.91	43.4	0.94	52.6	0.97	61.7	1.01	69.2	1.03	76.8	1.05	83.3	1.06	54
24.4	0.84	32.2	0.90	38.8	0.93	46.9	0.95	56.0	0.98	65.1	1.02	72.7	1.04	80.2	1.05	86.7	1.07	55
C100		**C115**		**C128**		**C144**		**C162**		**C180**		**C195**		**C210**		**C225**		
35.0	0.89	42.6	0.94	49.1	0.96	57.2	0.98	66.2	1.00	75.2	1.04	82.7	1.06	90.2	1.07	96.7	1.08	56
29.3	0.86	36.9	0.92	43.5	0.94	51.6	0.97	60.6	0.99	69.7	1.03	77.2	1.05	84.7	1.06	91.2	1.07	57
20.7	0.80	28.6	0.88	35.4	0.91	43.6	0.94	52.7	0.97	61.8	1.01	69.4	1.03	76.9	1.05	83.5	1.06	58
24.5	0.84	32.3	0.90	39.0	0.93	47.1	0.95	56.2	0.98	65.3	1.02	72.8	1.04	80.3	1.05	86.9	1.06	59
36.3	0.89	43.8	0.94	50.3	0.96	58.4	0.98	67.4	1.00	76.4	1.04	83.9	1.06	91.4	1.07	97.9	1.08	60
C150		**C173**		**C195**		**C225**		**C255**		**C285**		**C300**		**C315**		**C330**		
43.2	0.94	54.9	0.98	66.1	1.02	80.2	1.05	95.3	1.08	110.4	1.12	117.9	1.13	125.4	1.14	132.9	1.17	61
54.7	0.97	66.3	1.00	77.3	1.05	91.4	1.07	106.4	1.09	121.4	1.13	128.9	1.14	136.4	1.15	144.0	1.18	62
46.8	0.95	58.4	0.99	69.5	1.03	83.6	1.06	98.7	1.08	113.7	1.13	121.3	1.14	128.8	1.14	136.3	1.17	63
—	—	38.3	0.91	49.9	0.98	64.3	1.02	79.6	1.05	94.8	1.10	102.4	1.11	110.0	1.12	117.5	1.15	64
50.3	0.96	61.9	0.99	73.0	1.04	87.0	1.06	102.1	1.09	117.1	11.13	124.6	1.14	132.1	1.15	139.6	1.18	65
C120		**C136**		**C158**		**C173**		**C195**		**C225**		**C240**		**C255**		**C270**		
—	—	28.7	0.87	40.3	0.93	48.1	0.95	59.4	1.01	73.6	1.04	81.2	1.05	88.7	1.07	96.3	1.1	66
44.2	0.94	52.2	0.97	63.3	0.99	70.8	1.01	81.8	1.05	95.9	1.08	103.4	1.09	110.9	1.10	118.4	1.13	67
35.1	0.91	43.2	0.94	54.4	0.97	62.0	0.99	73.0	1.04	87.1	1.06	94.6	3.08	102.1	1.09	109.7	1.12	68
31.5	0.89	39.8	0.93	51.0	0.96	58.6	0.99	69.7	1.03	83.8	1.06	91.3	1.07	98.8	1.08	106.4	1.11	69
39.7	0.93	47.8	0.95	58.9	0.99	66.4	1.00	77.5	1.05	91.5	1.07	99.0	1.08	106.6	1.09	114.1	1.12	70
C100		**C115**		**C128**		**C144**		**C162**		**C180**		**C195**		**C210**		**C225**		
21.0	0.80	29.0	0.88	35.7	0.91	43.9	0.94	53.1	0.97	62.2	1.01	69.7	1.03	77.3	1.05	83.8	1.06	71
—	—	25.2	0.85	32.1	0.89	40.4	0.93	49.6	0.96	58.8	1.00	66.4	1.02	73.9	1.04	80.5	1.05	72
34.2	0.88	41.7	0.93	48.3	0.95	56.3	0.98	65.4	1.00	74.4	1.04	81.9	1.05	89.4	1.07	95.9	1.08	73
24.8	0.83	32.6	0.90	39.2	0.92	47.4	0.95	56.5	0.98	65.6	1.02	73.1	1.04	80.6	1.05	87.2	1.06	74
—	—	25.3	0.85	32.2	0.89	40.5	0.93	49.7	0.96	58.8	1.00	66.4	1.02	74.0	1.04	80.6	1.05	75

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves		Datum Diameter		Type		Nominal Driven Speeds and Horsepower per Belt						Center Distance in Inches and "F" Factor for Browning Belts					
								1750 RPM Driver			1160 RPM Driver			Belt No.		Belt No.		Belt No.	
		Min	Max	Driver	Driven	Fix.	Var.	Nominal Driven Speed	HP per Belt Super	HP per Belt Gripnotch	Nominal Driven Speed	HP per Belt Super	HP per Belt Gripnotch	C.D.	F	C.D.	F	C.D.	F
														C51		C68		C85	
1	2.79	2	12	9.4	27.0	X	—	627	23.02	28.04	415	18.14	21.11	—	—	—	—	—	—
2	2.83	1	6	8.2	24.0	X	—	618	18.95	23.62	409	14.79	17.70	—	—	—	—	—	—
3	2.85	3	4	5.0	15.0	X	—	614	6.75	14.02	407	5.56	10.38	—	—	19.1	0.78	27.8	0.85
4	2.85	2	12	9.2	27.0	X	—	614	22.37	27.33	407	17.59	20.53	—	—	—	—	—	—
5	2.86	2	12	10.2	30.0	X	X	611	25.48	30.79	405	20.29	23.36	—	—	—	—	—	—
														C75		C100		C128	
6	2.87	1	6	6.0	18.0	X	—	609	10.46	17.23	404	8.27	12.76	19.2	0.78	32.0	0.87	46.2	0.95
7	2.88	3	12	15.0	44.0	X	—	—	—	—	402	31.58	35.52	—	—	—	—	—	—
8	2.90	1	10	8.0	24.0	X	—	603	18.24	23.08	400	14.21	17.27	—	—	25.1	0.83	39.5	0.92
9	2.91	2	12	9.0	27.0	X	X	601	21.71	26.61	398	17.04	19.96	—	—	21.3	0.80	36.1	0.91
10	2.92	2	12	10.0	30.0	X	X	599	24.89	30.12	397	19.76	22.80	—	—	—	—	32.5	0.89
														C60		C81		C100	
11	2.93	2	12	12.0	36.0	X	—	597	30.25	36.32	395	24.86	28.20	—	—	—	—	—	—
12	2.97	2	6	7.8	24.0	X	—	589	17.51	22.54	390	13.63	16.84	—	—	—	—	25.2	0.83
13	2.97	2	6	8.8	27.0	X	—	589	21.04	25.87	390	16.48	19.38	—	—	—	—	21.4	0.80
14	2.98	2	12	9.8	30.0	X	—	587	24.28	29.43	389	19.22	22.24	—	—	—	—	—	—
15	3.03	3	4	5.0	16.0	X	—	577	6.76	14.06	382	5.56	10.42	13.9	0.73	24.9	0.82	34.5	0.88
														C51		C68		C85	
16	3.04	2	10	8.6	27.0	X	—	575	20.36	25.13	381	15.92	18.79	—	—	—	—	—	—
17	3.04	2	12	9.6	30.0	X	—	575	23.65	28.74	381	18.68	21.67	—	—	—	—	—	—
18	3.05	1	6	7.6	24.0	X	—	573	16.77	21.98	380	13.05	16.48	—	—	—	—	17.2	0.77
19	3.06	1	4	5.6	18.0	X	—	571	8.98	16.00	379	7.20	11.88	—	—	15.7	0.74	24.6	0.83
20	3.07	2	10	8.5	27.0	X	—	570	20.01	24.76	377	15.64	18.50	—	—	—	—	—	—
														C81		C105		C128	
21	3.07	2	12	9.5	30.0	X	—	570	23.34	28.39	377	18.41	21.39	—	—	—	—	32.8	0.89
22	3.07	3	12	16.0	50.0	X	—	—	—	—	377	33.55	37.73	—	—	—	—	—	—
23	3.08	1	6	7.5	24.0	X	—	568	16.39	21.70	376	12.76	16.26	—	—	28.0	0.85	39.9	0.92
24	3.08	2	6	11.4	36.0	X	—	568	28.79	34.58	376	23.38	26.62	—	—	—	—	25.3	0.83
25	3.08	2	12	14.0	44.0	X	—	—	—	—	376	29.47	33.19	—	—	—	—	—	—
														C51		C68		C85	
26	3.10	2	12	9.4	30.0	X	—	564	23.02	28.04	374	18.14	21.11	—	—	—	—	—	—
27	3.11	3	4	5.5	18.0	X	—	562	8.61	15.68	372	6.93	11.64	—	—	15.8	0.74	24.7	0.83
28	3.11	2	6	8.4	27.0	X	—	562	19.66	24.38	372	15.35	18.22	—	—	—	—	—	—
29	3.12	2	6	7.4	24.0	X	—	560	16.02	21.41	371	12.46	16.04	—	—	—	—	17.3	0.76
30	3.16	2	12	9.2	30.0	X	—	553	22.37	27.33	367	17.59	20.53	—	—	—	—	—	—
														C60		C75		C90	
31	3.18	1	6	6.0	20.0	X	—	550	10.46	17.26	364	8.28	12.83	—	—	17.1	0.75	25.1	0.83
32	3.18	2	6	8.2	27.0	X	—	550	18.95	23.63	364	14.79	17.79	—	—	—	—	—	—
33	3.19	2	12	11.0	36.0	X	X	548	27.74	33.36	363	22.37	25.55	—	—	—	—	—	—
34	3.21	2	6	7.2	24.0	X	—	545	15.25	20.84	361	11.87	15.59	—	—	—	—	20.2	0.79
35	3.23	2	12	9.0	30.0	X	X	541	21.71	26.61	359	17.04	19.96	—	—	—	—	—	—
														C81		C105		C128	
36	3.26	2	10	8.0	27.0	X	—	536	18.24	23.09	355	14.21	17.36	—	—	24.7	0.82	36.7	0.90
37	3.27	3	12	15.0	50.0	X	—	—	—	—	354	31.58	35.52	—	—	—	—	—	—
38	3.29	1	8	7.0	24.0	X	—	531	14.48	20.26	352	11.28	15.14	—	—	28.3	0.85	40.2	0.92
39	3.30	2	6	8.8	30.0	X	—	530	21.04	25.87	351	16.48	19.38	—	—	20.8	0.78	33.3	0.89
40	3.30	2	12	10.6	36.0	X	—	530	26.64	32.09	351	21.34	24.46	—	—	—	—	25.8	0.83
														C72		C95		C120	
41	3.31	2	12	13.0	44.0	X	—	528	32.40	38.97	350	27.23	30.75	—	—	—	—	—	—
42	3.33	2	12	10.5	36.0	X	—	525	26.36	31.77	348	21.08	24.19	—	—	—	—	—	—
43	3.34	2	6	7.8	27.0	X	—	523	17.51	22.54	347	13.63	16.92	—	—	19.3	0.77	32.7	0.88
44	3.37	2	10	8.6	30.0	X	—	519	20.36	25.13	344	15.92	18.79	—	—	—	—	29.2	0.86
45	3.40	3	4	5.0	18.0	X	—	514	6.76	14.06	341	5.56	10.42	18.2	0.76	30.2	0.86	42.9	0.93
														C60		C75		C90	
46	3.40	1	4	5.6	20.0	X	—	514	8.98	16.00	341	7.20	11.88	—	—	17.4	0.75	25.3	0.83
47	3.41	2	10	8.5	30.0	X	—	513	20.01	24.76	340	15.64	18.50	—	—	—	—	—	—
48	3.42	2	6	7.6	27.0	X	—	511	16.77	21.98	339	13.05	16.48	—	—	—	—	—	—
49	3.43	2	12	10.2	36.0	X	X	510	25.48	30.79	338	20.29	23.36	—	—	—	—	—	—
50	3.45	3	4	5.5	20.0	X	—	507	8.61	15.68	336	6.93	11.64	—	—	17.4	0.75	25.4	0.83
														C81		C105		C128	
51	3.45	2	6	8.4	30.0	X	—	507	19.66	24.38	336	15.35	18.22	—	—	21.1	0.78	33.6	0.88
52	3.46	2	6	7.5	27.0	X	—	505	16.39	21.70	335	12.76	16.26	—	—	25.0	0.82	37.1	0.90
53	3.50	2	12	10.0	36.0	X	X	500	24.89	30.12	331	19.76	22.80	—	—	—	—	26.1	0.83
54	3.50	3	12	14.0	50.0	X	—	—	—	—	331	29.47	33.19	—	—	—	—	—	—
55	3.51	2	6	7.4	27.0	X	—	498	16.02	21.41	330	12.46	16.04	—	—	25.0	0.82	37.2	0.90
														C72		C95		C120	
56	3.53	2	6	8.2	30.0	X	—	495	18.95	23.63	328	14.79	17.79	—	—	—	—	29.5	0.86
57	3.56	2	12	9.8	36.0	X	—	491	24.28	29.43	325	19.22	22.24	—	—	—	—	—	—
58	3.58	2	12	12.0	44.0	X	—	488	30.25	36.32	324	24.86	28.20	—	—	—	—	—	—
59	3.60	2	6	7.2	27.0	X	—	486	15.25	20.84	322	11.87	15.59	—	—	19.6	0.77	33.1	0.88
60	3.61	2	10	8.0	30.0	X	—	484	18.24	23.09	321	14.21	17.36	—	—	—	—	29.6	0.86
														C60		C75		C90	
61	3.64	2	12	9.6	36.0	X	—	480	23.65	28.74	318	18.68	21.67	—	—	—	—	—	—
62	3.67	2	12	9.5	36.0	X	—	476	23.34	28.39	316	18.41	21.39	—	—	—	—	—	—
63	3.70	2	8	7.0	27.0	X	—	472	14.48	20.26	313	11.28	15.14	—	—	—	—	—	—
64	3.70	2	6	7.8	30.0	X	—	472	17.51	22.54	313	13.63	16.92	—	—	—	—	—	—
65	3.71	2	12	9.4	36.0	X	—	471	23.02	28.04	312	18.14	21.11	—	—	—	—	—	—
														C75		C100		C128	
66	3.76	2	6	11.4	44.0	X	—	465	28.79	34.58	308	23.38	26.62	—	—	—	—	—	—
67	3.76	3	12	13.0	50.0	X	—	465	32.40	38.97	308	27.23	30.75	—	—	—	—	—	—
68	3.77	3	4	5.0	20.0	X	—	464	6.76	14.06	307	5.56	10.42	17.8	0.75	30.9	0.86	45.2	0.94
69	3.79	2	12	9.2	36.0	X	—	461	22.37	27.33	306	17.59	20.53	—	—	—	—	26.6	0.82
70	3.80	2	6	7.6	30.0	X	—	460	16.77	21.98	305	13.05	16.48	—	—	—	—	34.1	0.88
														C72		C95		C120	
71	3.81	1	6	6.0	24.0	X	—	459	10.46	17.26	304	8.28	12.83	—	—	23.7	0.81	36.8	0.90
72	3.84	2	6	7.5	30.0	X	—	455	16.39	21.70	302	12.76	16.26	—	—	—	—	29.9	0.86
73	3.87	2	12	9.0	36.0	X	X	452	21.71	26.61	299	17.04	19.96	—	—	—	—	—	—
74	3.89	2	6	7.4	30.0	X	—	449	16.02	21.41	298	12.46	16.04	—	—	—	—	30.0	0.86
75	3.89	2	12	11.0	44.0	X	X	449	27.74	33.36	298	22.37	25.55	—	—	—	—	—	—

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts																		Line No.
Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
C100		**C115**		**C128**		**C144**		**C162**		**C180**		**C195**		**C210**		**C225**		
21.0	0.80	29.0	0.88	35.8	0.91	44.0	0.94	53.1	0.97	62.3	1 .01	69.8	1.03	77.4	1.05	83.9	1.06	1
24.9	0.83	32.7	0.90	39.4	0.92	47.5	0.95	56.6	0.98	65.7	1 .02	73.2	1.04	80.8	1.05	87.3	1.06	2
35.4	0.89	43.0	0.94	49.5	0.96	57.5	0.98	66.6	1 .00	75.6	1 .04	83.1	1.05	90.6	1 .07	97.1	1.08	3
21.2	0.80	29.2	0.87	35.9	0.91	44.1	0.94	53.3	0.97	62.4	1.01	70.0	1.03	77.5	1.05	84.1	1.06	4
—	—	25.5	0.85	32.4	0.89	40.7	0.93	49.9	0.96	59.1	1.00	66.7	1.02	74.2	1.04	80.8	1.05	5
C150		**C173**		**C195**		**C225**		**C255**		**C285**		**C300**		**C315**		**C330**		
57.3	0.98	68.8	1.01	79.9	1.05	93.9	1.07	108.9	1.10	124.0	1.14	131.5	1.14	139.0	1.15	146.5	1.18	6
—	—	38.9	0.91	50.6	0.97	65.0	1.02	80.3	1.05	95.5	1.10	103.1	1.11	110.7	1.12	118.2	1.15	7
50.7	0.96	62.3	0.99	73.4	1.04	87.5	1.06	102.5	1.09	117.6	1.13	125.1	1.14	132.6	1.15	140.1	1.17	8
47.3	0.95	59.0	0.98	70.1	1.03	84.2	1.06	99.3	1.08	114.3	1.12	121.9	1.13	129.4	1.14	136.9	1.17	9
43.9	0.94	55.7	0.97	66.8	1.02	80.9	1.05	96.0	1.08	111.1	1.12	118.6	1.13	126.2	1.14	133.7	1.17	10
C120		**C136**		**C158**		**C173**		**C195**		**C225**		**C240**		**C255**		**C270**		
—	—	29.3	0.86	41.0	0.92	48.8	0.95	60.1	1.00	74.3	1.04	81.9	1.05	89.5	1.07	97.0	1.10	11
35.6	0.91	43.7	0.94	54.9	0.97	62.5	0.99	73.5	1.04	87.6	1.06	95.1	1.08	102.7	1.09	110.2	1.12	12
32.1	0.89	40.3	0.92	51.5	0.96	59.1	0.98	70.3	1.03	84.4	1.06	91.9	1.07	99.4	1.08	107.0	1.11	13
28.4	0.86	36.8	0.91	48.1	0.95	55.8	0.97	66.9	1.02	81.1	1.05	88.6	1.07	96.2	1.08	103.7	1.11	14
44.6	0.94	52.7	0.96	63.7	0.99	71.3	1.01	82.3	1.05	96.3	1.08	103.8	1.09	111.3	1.10	118.8	1.13	15
C100		**C115**		**C128**		**C144**		**C162**		**C180**		**C195**		**C210**		**C225**		
21.6	0.80	29.6	0.87	36.3	0.91	44.6	0.94	53.7	0.97	62.8	1.01	70.4	1.03	78.0	1.04	84.5	1.06	16
—	—	25.9	0.85	32.8	0.89	41.1	0.93	50.3	0.96	59.5	1.00	67.1	1.02	74.7	1.04	81.2	1.05	17
25.3	0.83	33.1	0.89	39.8	0.92	47.9	0.95	57.1	0.98	66.1	1.02	73.7	1.04	81.2	1.05	87.8	1.06	18
32.3	0.87	39.9	0.92	46.5	0.95	54.6	0.97	63.6	0.99	72.7	1.03	80.2	1.05	87.7	1.06	94.2	1.07	19
21.6	0.80	29.6	0.87	36.4	0.91	44.6	0.94	53.8	0.97	62.9	1.01	70.5	1.03	78.0	1.04	84.6	1.06	20
C158		**C180**		**C210**		**C240**		**C270**		**C300**		**C315**		**C330**		**C345**		
48.4	0.95	59.6	1.00	74.7	1.04	88.9	1.06	103.9	1.11	119.0	1.13	126.5	1.14	134.1	1.17	141.6	1.18	21
—	—	35.6	0.90	51.9	0.97	66.5	1.01	81.9	1.07	97.2	1.09	104.8	1.11	112.4	1.14	119.9	1.15	22
55.1	0.97	66.2	1.02	81.3	1.05	95.4	1.08	110.4	1.12	125.5	1.14	133.0	1.15	140.5	1.17	148.0	1.18	23
41.4	0.92	52.8	0.98	68.1	1.02	82.3	1.05	97.5	1.10	112.6	1.12	120.1	1.13	127.6	1.16	135.2	1.17	24
31.4	0.86	43.3	0.94	59.0	1.00	73.4	1.03	88.7	1.08	103.8	1.11	111.4	1.12	119.0	1.15	126.5	1.16	25
C100		**C115**		**C128**		**C144**		**C162**		**C180**		**C195**		**C210**		**C225**		
—	—	26.0	0.85	32.9	0.89	41.2	0.92	50.5	0.96	59.6	1.00	67.2	1.02	74.8	1.04	81.4	1.05	26
32.4	0.87	40.0	0.92	46.6	0.95	54.6	0.97	63.7	0.99	72.7	1.03	80.3	1.05	87.8	1.06	94.3	1.07	27
21.7	0.80	29.7	0.87	36.5	0.91	44.7	0.94	53.9	0.97	63.0	1.01	70.5	1.03	78.1	1.04	84.7	1.06	28
25.5	0.83	33.3	0.89	39.9	0.92	48.1	0.95	57.2	0.98	66.3	1.02	73.8	1.04	81.4	1.05	87.9	1.06	29
—	—	26.1	0.84	33.0	0.89	41.4	0.92	50.6	0.96	59.8	1.00	67.4	1.02	75.0	1.04	81.5	1.05	30
C105		**C128**		**C144**		**C162**		**C180**		**C195**		**C210**		**C225**		**C240**		
32.8	0.87	44.5	0.94	52.6	0.96	61.6	0.99	70.7	1.03	78.2	1.04	85.8	1.06	92.3	1.07	99.8	1.08	31
24.5	0.82	36.6	0.91	44.8	0.94	54.0	0.97	63.1	1.01	70.7	1.03	78.3	1.04	84.8	1.06	92.3	1.07	32
—	—	25.5	0.83	34.3	0.89	43.8	0.93	53.1	0.98	60.8	1.00	68.4	1.02	75.0	1.04	82.6	1.05	33
28.2	0.85	40.1	0.92	48.2	0.95	57.3	0.98	66.4	1.02	74.0	1.04	81.5	1.05	88.1	1.06	95.6	1.07	34
—	—	33.2	0.89	41.5	0.92	50.7	0.96	59.9	1.00	67.5	1.02	75.1	1.04	81.7	1.05	89.2	1.06	35
C158		**C180**		**C210**		**C240**		**C270**		**C300**		**C315**		**C330**		**C345**		
52.1	0.96	63.3	1.01	78.4	1.04	92.5	1.07	107.6	1.11	122.6	1.13	130.1	1.14	137.6	1.17	145.2	1.18	36
—	—	36.2	0.90	52.5	0.97	67.1	1.01	82.6	1.07	97.9	1.09	105.5	1.11	113.1	1.14	120.7	1.15	37
55.5	0.97	66.6	1.02	81.7	1.05	95.7	1.07	110.8	1.12	125.8	1.14	133.3	1.15	140.9	1.17	148.4	1.18	38
48.8	0.95	60.1	1.00	75.2	1.04	89.4	1.06	104.5	1.11	119.5	1.13	127.0	1.14	134.6	1.17	142.1	1.17	39
42.0	0.92	53.4	0.98	68.7	1.02	82.9	1.05	98.0	1.10	113.2	1.12	120.7	1.13	128.2	1.16	135.8	1.17	40
C136		**C158**		**C180**		**C210**		**C240**		**C270**		**C285**		**C300**		**C315**		
—	—	32.0	0.86	44.0	0.94	59.7	0.99	74.1	1.03	89.4	1.08	97.0	1.09	104.6	1.11	112.1	1.12	41
30.3	0.86	42.0	0.92	53.4	0.98	68.8	1.02	83.0	1.05	98.1	1.10	105.7	1.11	113.2	1.12	120.8	1.13	42
41.0	0.92	52.3	0.96	63.4	1.01	78.5	1.04	92.6	1.07	107.7	1.11	115.2	1.12	122.8	1.13	130.3	1.14	43
37.6	0.90	49.0	0.95	60.2	1.00	75.4	1.04	89.5	1.06	104.6	1.11	112.1	1.12	119.7	1.13	127.2	1.14	44
51.0	0.96	62.1	0.99	73.1	1.03	88.2	1.06	102.2	1.08	117.2	1.12	124.7	1.13	132.2	1.14	139.7	1.15	45
C105		**C128**		**C144**		**C162**		**C180**		**C195**		**C210**		**C225**		**C240**		
33.1	0.87	44.8	0.94	52.9	0.96	61.9	0.99	71.0	1.03	78.5	1.04	86.1	1.06	92.6	1.07	100.1	1.08	46
21.0	0.78	33.5	0.88	41.8	0.92	51.1	0.95	60.3	1.00	67.9	1.02	75.5	1.04	82.0	1.05	89.6	1.06	47
24.9	0.82	37.0	0.90	45.2	0.94	54.4	0.97	63.5	1.01	71.1	1.03	78.7	1.04	85.2	1.06	92.8	1.07	48
—	—	26.0	0.83	34.8	0.88	44.3	0.93	53.6	0.98	61.3	1.00	69.0	1.02	75.6	1.03	83.2	1.05	49
33.1	0.87	44.8	0.94	52.9	0.96	62.0	0.99	71.1	1.03	78.6	1.04	86.1	1.06	92.6	1.07	100.2	1.08	50
C158		**C180**		**C210**		**C240**		**C270**		**C300**		**C315**		**C330**		**C345**		
49.1	0.95	60.3	1.00	75.5	1.04	89.7	1.06	104.7	1.11	119.8	1.13	127.3	1.14	134.9	1.17	142.4	1.17	51
52.5	0.96	63.6	1.01	78.8	1.04	92.9	1.07	107.9	1.11	123.0	1.13	130.5	1.14	138.0	1.17	145.5	1.18	52
42.3	0.92	53.8	0.98	69.1	1.02	83.3	1.05	98.5	1.10	113.6	1.12	121.1	1.13	128.7	1.16	136.2	1.17	53
—	—	36.9	0.89	53.2	0.97	67.8	1.01	83.3	1.06	98.6	1.09	106.2	1.10	113.8	1.13	121.4	1.15	54
52.5	0.96	63.7	1.01	78.8	1.04	92.9	1.07	108.0	1.11	123.1	1.13	130.6	1.14	138.1	1.17	145.6	1.18	55
C136		**C158**		**C180**		**C210**		**C240**		**C270**		**C285**		**C300**		**C315**		
37.9	0.90	49.3	0.95	60.5	1.00	75.7	1.04	89.8	1.06	104.9	1.11	112.4	1.12	120.0	1.13	127.5	1.14	56
30.7	0.86	42.5	0.92	53.9	0.98	69.3	1.02	83.5	1.05	98.6	1.10	106.2	1.11	113.7	1.12	121.3	1.13	57
—	—	32.6	0.86	44.6	0.94	60.4	0.99	74.8	1.03	90.1	1.08	97.7	1.09	105.3	1.10	112.9	1.12	58
41.4	0.92	52.7	0.96	63.8	1.01	79.0	1.04	93.1	1.07	108.1	1.11	115.7	1.12	123.2	1.13	130.7	1.14	59
38.0	0.90	49.4	0.95	60.6	1.00	75.8	1.03	89.9	1.06	105.0	1.11	112.6	1.12	120.1	1.13	127.6	1.14	60
C105		**C128**		**C144**		**C162**		**C180**		**C195**		**C210**		**C225**		**C240**		
—	—	26.4	0.82	35.2	0.88	44.7	0.93	54.0	0.98	61.7	1.00	69.4	1.02	76.0	1.03	83.6	1.05	61
—	—	26.5	0.82	35.3	0.88	44.8	0.93	54.1	0.98	61.8	1.00	69.5	1.02	76.1	1.03	83.7	1.05	62
25.3	0.82	37.4	0.90	45.7	0.93	54.8	0.96	64.0	1.01	71.6	1.03	79.1	1.04	85.7	1.05	93.2	1.07	63
21.4	0.77	34.0	0.88	42.3	0.92	51.6	0.95	60.8	1.00	68.4	1.02	76.0	1.03	82.5	1.05	90.1	1.06	64
—	—	26.5	0.82	35.3	0.88	44.8	0.93	54.2	0.98	61.9	1.00	69.5	1.02	76.1	1.03	83.8	1.05	65
C150		**C173**		**C195**		**C225**		**C255**		**C285**		**C300**		**C315**		**C330**		
—	—	41.3	0.90	53.0	0.97	67.5	1.01	82.9	1.04	98.1	1.09	105.7	1.10	113.3	1.11	120.9	1.14	66
—	—	33.5	0.84	45.8	0.93	60.7	0.99	76.3	1.03	91.6	1.08	99.3	1.09	106.9	1.10	114.5	1.13	67
56.3	0.97	67.9	1.00	79.0	1.04	93.0	1.07	108.1	1.09	123.1	1.13	130.6	1.14	138.1	1.15	145.6	1.18	68
38.7	0.90	50.7	0.95	62.0	1.00	76.3	1.03	91.5	1.06	106.6	1.11	114.2	1.12	121.7	1.13	129.3	1.16	69
45.6	0.93	57.3	0.97	68.5	1.02	82.7	1.05	97.8	1.07	112.9	1.12	120.4	1.13	127.9	1.14	135.5	1.16	70
C136		**C158**		**C180**		**C210**		**C240**		**C270**		**C285**		**C300**		**C315**		
45.0	0.93	56.2	0.97	67.3	1.02	82.4	1.05	96.5	1.07	111.5	1.11	119.1	1.13	126.6	1.13	134.1	1.14	71
38.4	0.90	49.7	0.95	61.0	1.00	76.2	1.03	90.3	1.06	105.4	1.11	113.0	1.12	120.5	1.13	128.0	1.14	72
31.2	0.86	43.0	0.92	54.5	0.98	69.8	1.02	84.0	1.05	99.2	1.09	106.8	1.11	114.3	1.12	121.9	1.13	73
38.4	0.90	49.8	0.95	61.0	1.00	76.3	1.03	90.4	1.06	105.5	1.10	113.0	1.12	120.6	1.13	128.1	1.14	74
—	—	33.2	0.85	45.3	0.93	61.0	0.99	75.5	1.03	90.8	1.08	98.4	1.09	106.0	1.10	113.6	1.11	75

B

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Datum Diameter Driver	Datum Diameter Driven	Type Fix.	Type Var.	Nominal Driven Speeds and Horsepower per Belt — 1750 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	1160 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	Center Distance in Inches and "F" Factor for Browning Belts: Belt No.	C.D..	F	Belt No.	C.D..	F	Belt No.	C.D..	F
														C68			C85			C105		
1	3.95	2	6	8.8	36.0	X	—	443	21.04	25.87	293	16.48	19.38	—	—		—	—		—	—	
2	4.00	2	6	7.2	30.0	X	—	437	15.25	20.84	290	11.87	15.59	—	—		—	—		21.8	0.77	
3	4.03	2	12	10.6	44.0	X	—	434	26.64	32.09	287	21.34	24.46	—	—		—	—		—	—	
4	4.04	2	10	8.6	36.0	X	—	433	20.36	25.13	287	15.92	18.79	—	—		—	—		—	—	
5	4.06	1	4	5.6	24.0	X	—	431	8.98	16.00	285	7.20	11.88	—	—		18.4	0.76		29.3	0.84	
														C75			C100			C128		
6	4.06	3	12	12.0	50.0	X	—	431	30.25	36.32	285	24.86	28.20	—	—		—	—		—	—	
7	4.07	2	12	10.5	44.0	X	—	429	26.36	31.77	285	21.08	24.19	—	—		—	—		—	—	
8	4.08	2	10	8.5	36.0	X	—	428	20.01	24.76	284	15.64	18.50	—	—		—	—		27.1	0.82	
9	4.10	2	8	7.0	30.0	X	—	426	14.48	20.26	282	11.28	15.14	—	—		—	—		34.5	0.88	
10	4.13	3	4	5.5	24.0	X	—	423	8.61	15.68	280	6.93	11.64	—	—		26.7	0.82		41.3	0.92	
														C75			C100			C128		
11	4.13	2	6	8.4	36.0	X	—	423	19.66	24.38	280	15.35	18.22	—	—		—	—		27.1	0.82	
12	4.18	2	12	10.2	44.0	X	X	418	25.48	30.79	277	20.29	23.36	—	—		—	—		—	—	
13	4.23	2	6	8.2	36.0	X	—	413	18.95	23.63	274	14.79	17.79	—	—		—	—		27.3	0.82	
14	4.26	2	12	10.0	44.0	X	X	410	24.89	30.12	272	19.76	22.80	—	—		—	—		—	—	
15	4.27	3	6	11.4	50.0	X	—	409	28.79	34.58	271	23.38	26.62	—	—		—	—		—	—	
														C75			C100			C128		
16	4.28	2	6	6.0	27.0	X	—	408	10.46	17.26	271	8.28	12.83	—	—		23.2	0.80		38.1	0.90	
17	4.33	2	10	8.0	36.0	X	—	404	18.24	23.09	267	14.21	17.36	—	—		—	—		27.4	0.82	
18	4.35	2	12	9.8	44.0	X	—	402	24.28	29.43	266	19.22	22.24	—	—		—	—		—	—	
19	4.42	3	12	11.0	50.0	X	x	395	27.74	33.36	262	22.37	25.55	—	—		—	—		—	—	
20	4.43	2	6	7.8	36.0	X	—	395	17.51	22.54	261	13.63	16.92	—	—		—	—		27.5	0.82	
														C68			C85			C105		
21	4.44	2	12	9.6	44.0	X	—	394	23.65	28.74	261	18.68	21.67	—	—		—	—		—	—	
22	4.48	2	12	9.5	44.0	X	—	390	23.34	28.39	258	18.41	21.39	—	—		—	—		—	—	
23	4.51	3	4	5.0	24.0	X	—	388	6.76	14.06	257	5.56	10.42	—	—		18.8	0.75		29.7	0.84	
24	4.53	2	12	9.4	44.0	X	—	386	23.02	28.04	256	18.14	21.11	—	—		—	—		—	—	
25	4.55	2	6	7.6	36.0	X	—	384	16.77	21.98	254	13.05	16.48	—	—		—	—		—	—	
														C75			C100			C128		
26	4.56	2	4	5.6	27.0	X	—	383	8.98	16.00	254	7.20	11.88	—	—		23.4	0.80		38.4	0.90	
27	4.58	3	12	10.6	50.0	X	—	382	26.64	32.09	253	21.34	24.46	—	—		—	—		—	—	
28	4.60	2	6	7.5	36.0	X	—	380	16.39	21.70	252	12.76	16.26	—	—		—	—		27.7	0.82	
29	4.62	2	12	9.2	44.0	X	—	378	22.37	27.33	251	17.59	20.53	—	—		—	—		—	—	
30	4.62	3	12	10.5	50.0	X	—	378	26.36	31.77	251	21.08	24.19	—	—		—	—		—	—	
														C75			C100			C128		
31	4.64	3	4	5.5	27.0	X	—	377	8.61	15.68	250	6.93	11.64	—	—		23.5	0.80		38.4	0.90	
32	4.66	2	6	7.4	36.0	X	—	375	16.02	21.41	248	12.46	16.04	—	—		—	—		27.7	0.82	
33	4.72	2	12	9.0	44.0	X	x	370	21.71	26.61	245	17.04	19.96	—	—		—	—		—	—	
34	4.75	2	6	6.0	30.0	X	—	368	10.46	17.26	244	8.28	12.83	—	—		19.6	0.72		35.1	0.88	
35	4.75	3	12	10.2	50.0	X	x	368	25.48	30.79	244	20.29	23.36	—	—		—	—		—	—	
														C75			C100			C128		
36	4.78	2	6	7.2	36.0	X	—	366	15.25	20.84	242	11.87	15.59	—	—		—	—		27.9	0.82	
37	4.82	2	6	8.8	44.0	X	—	363	21.04	25.87	240	16.48	19.38	—	—		—	—		—	—	
38	4.84	3	12	10.0	50.0	X	x	361	24.89	30.12	239	19.76	22.80	—	—		—	—		—	—	
39	4.91	2	8	7.0	36.0	X	—	356	14.48	20.26	236	11.28	15.14	—	—		—	—		28.0	0.82	
40	4.93	2	10	8.6	44.0	X	—	354	20.36	25.13	235	15.92	18.79	—	—		—	—		—	—	
														C75			C100			C128		
41	4.94	3	12	9.8	50.0	X	—	354	24.28	29.43	234	19.22	22.24	—	—		—	—		—	—	
42	4.98	2	10	8.5	44.0	X	—	351	20.01	24.76	232	15.64	18.50	—	—		—	—		—	—	
43	5.04	2	6	8.4	44.0	X	—	347	19.66	24.38	230	15.35	18.22	—	—		—	—		—	—	
44	5.04	3	12	9.6	50.0	X	—	347	23.65	28.74	230	18.68	21.67	—	—		—	—		—	—	
45	5.06	2	4	5.6	30.0	X	—	345	8.98	16.00	229	7.20	11.88	—	—		19.8	0.72		35.4	0.88	
														C75			C100			C128		
46	5.07	3	4	5.0	27.0	X		345	6.76	14.06	228	5.56	10.42	—	—		23.8	0.79		38.8	0.90	
47	5.09	3	12	9.5	50.0	X	—	343	23.34	28.39	227	18.41	21.39	—	—		—	—		—	—	
48	5.14	3	12	9.4	50.0	X	—	340	23.02	28.04	225	18.14	21.11	—	—		—	—		—	—	
49	5.15	3	4	5.5	30.0	X	—	339	8.61	15.68	225	6.93	11.64	—	—		19.9	0.72		35.5	0.88	
50	5.16	2	6	8.2	44.0	X	—	339	18.95	23.63	224	14.79	17.79	—	—		—	—		—	—	
														C75			C100			C128		
51	5.25	3	12	9.2	50.0	X	—	333	22.37	27.33	220	17.59	20.53	—	—		—	—		—	—	
52	5.28	2	10	8.0	44.0	X	—	331	18.24	23.09	219	14.21	17.36	—	—		—	—		—	—	
53	5.36	3	12	9.0	50.0	X	X	326	21.71	26.61	216	17.04	19.96	—	—		—	—		—	—	
54	5.41	2	6	7.8	44.0	X	—	323	17.51	22.54	214	13.63	16.92	—	—		—	—		—	—	
55	5.47	3	6	8.8	50.0	X	—	319	21.04	25.87	212	16.48	19.38	—	—		—	—		—	—	
														C75			C100			C128		
56	5.55	2	6	7.6	44.0	X	—	315	16.77	21.98	209	13.05	16.48	—	—		—	—		—	—	
57	5.60	3	10	8.6	50.0	X	—	312	20.36	25.13	207	15.92	18.79	—	—		—	—		—	—	
58	5.62	3	4	5.0	30.0	X	—	311	6.76	14.06	206	5.56	10.42	—	—		20.2	0.72		35.8	0.88	
59	5.62	2	6	7.5	44.0	X	—	311	16.39	21.70	206	12.76	16.26	—	—		—	—		—	—	
60	5.66	3	10	8.5	50.0	X	—	309	20.01	24.76	204	15.64	18.50	—	—		—	—		—	—	
														C75			C100			C128		
61	5.68	2	6	6.0	36.0	X	—	308	10.46	17.26	204	8.28	12.83	—	—		—	—		28.6	0.81	
62	5.69	2	6	7.4	44.0	X	—	307	16.02	21.41	203	12.46	16.04	—	—		—	—		—	—	
63	5.72	3	6	8.4	50.0	X	—	305	19.66	24.38	202	15.35	18.22	—	—		—	—		—	—	
64	5.84	2	6	7.2	44.0	X	—	299	15.25	20.84	198	11.87	15.59	—	—		—	—		—	—	
65	5.86	3	6	8.2	50.0	X	—	298	18.95	23.63	197	14.79	17.79	—	—		—	—		—	—	
														C75			C100			C128		
66	6.00	2	8	7.0	44.0	X	—	291	14.48	20.26	193	11.28	15.14	—	—		—	—		—	—	
67	6.00	3	10	8.0	50.0	X	—	291	18.24	23.09	193	14.21	17.36	—	—		—	—		—	—	
68	6.06	2	4	5.6	36.0	X	—	288	8.98	16.00	191	7.20	11.88	—	—		—	—		28.8	0.81	
69	6.14	3	6	7.8	50.0	X	—	285	17.51	22.54	188	13.63	16.92	—	—		—	—		—	—	
70	6.16	3	4	5.5	36.0	X	—	284	8.61	15.68	188	6.93	11.64	—	—		—	—		28.9	0.81	
														C75			C100			C128		
71	6.30	3	6	7.6	50.0	X	—	277	16.77	21.98	184	13.05	16.48	—	—		—	—		—	—	
72	6.37	3	6	7.5	50.0	X	—	274	16.39	21.70	182	12.76	16.26	—	—		—	—		—	—	
73	6.46	3	6	7.4	50.0	X	—	270	16.02	21.41	179	12.46	16.04	—	—		—	—		—	—	
74	6.63	3	6	7.2	50.0	X	—	263	15.25	20.84	174	11.87	15.59	—	—		—	—		—	—	
75	6.74	3	4	5.0	36.0	X	—	259	6.76	14.06	172	5.56	10.42	—	—		—	—		29.2	0.81	

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts																		Line No.
Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
C128		C150		C173		C195		C225		C240		C255		C270		C285		
26.9	0.82	38.9	0.90	51.0	0.94	62.3	1.00	76.6	1.03	84.2	1.05	91.8	1.06	99.4	1.09	106.9	1.11	1
34.4	0.88	45.8	0.93	57.6	0.97	68.8	1.02	83.0	1.05	90.5	1.06	98.1	1.07	105.6	1.10	113.2	1.12	2
—	—	28.9	0.81	41.8	0.90	53.5	0.96	68.0	1.01	75.7	1.03	83.4	1.04	91.1	1.08	98.7	1.09	3
27.0	0.82	39.0	0.90	51.1	0.94	62.4	1.00	76.7	1.03	84.3	1.05	91.9	1.06	99.5	1.09	107.1	1.11	4
41.2	0.92	52.4	0.96	64.1	0.99	75.2	1.03	89.2	1.06	96.8	1.07	104.3	1.08	111.8	1.11	119.4	1.12	5
C150		C173		C195		C225		C255		C285		C300		C315		C330		
—	—	34.1	0.83	46.4	0.93	61.3	0.98	76.9	1.03	92.3	1.08	100.0	1.09	107.6	1.10	115.2	1.13	6
28.9	0.81	41.8	0.90	53.6	0.96	68.1	1.01	83.5	1.04	98.7	1.09	106.3	1.10	113.9	1.11	121.5	1.14	7
39.1	0.90	51.2	0.94	62.5	1.00	76.8	1.03	92.0	1.06	107.1	1.11	114.7	1.12	122.2	1.13	129.8	1.16	8
46.0	0.93	57.8	0.97	68.9	1.02	83.1	1.05	98.2	1.07	113.3	1.12	120.9	1.13	128.4	1.14	135.8	1.16	9
52.5	0.96	64.1	0.99	75.2	1.03	89.3	1.06	104.4	1.08	119.4	1.12	127.0	1.13	134.5	1.14	142.0	1.17	10
C150		C173		C195		C225		C255		C285		C300		C315		C330		
39.2	0.90	51.2	0.94	62.6	1.00	76.9	1.03	92.1	1.06	107.2	1.10	114.8	1.12	122.3	1.13	129.9	1.16	11
29.1	0.81	42.0	0.90	53.8	0.96	68.3	1.01	83.7	1.04	99.0	1.09	106.6	1.10	114.2	1.11	121.7	1.14	12
39.3	0.90	51.4	0.94	62.7	1.00	77.0	1.03	92.2	1.06	107.4	1.10	114.9	1.12	122.5	1.13	130.0	1.16	13
29.2	0.80	42.2	0.90	53.9	0.96	68.5	1.01	83.8	1.04	99.1	1.09	106.7	1.10	114.3	1.11	121.9	1.14	14
—	—	34.4	0.83	46.8	0.93	61.7	0.98	77.3	1.02	92.7	1.07	100.4	1.09	108.0	1.10	115.6	1.13	15
C150		C173		C195		C225		C255		C285		C300		C315		C330		
49.4	0.94	61.1	0.98	72.3	1.02	86.4	1.05	101.5	1.08	116.6	1.12	124.1	1.13	131.6	1.14	139.1	1.17	16
39.4	0.89	51.5	0.94	62.9	1.00	77.1	1.03	92.3	1.06	107.5	1.10	115.1	1.12	122.6	1.13	130.2	1.15	17
29.3	0.80	42.3	0.90	54.0	0.96	68.6	1.01	84.0	1.04	99.2	1.09	106.8	1.10	114.4	1.11	122.0	1.14	18
—	—	34.7	0.83	47.0	0.93	62.0	0.98	77.6	1.02	93.0	1.07	100.7	1.09	108.3	1.10	115.9	1.13	19
39.6	0.89	51.6	0.94	63.0	1.00	77.3	1.03	92.5	1.06	107.6	1.10	115.2	1.12	122.8	1.13	130.3	1.15	20
C128		C150		C173		C195		C225		C240		C255		C270		C285		
—	—	29.5	0.80	42.4	0.90	54.1	0.96	68.7	1.01	76.4	1.02	84.1	1.04	91.8	1.07	99.4	1.09	21
—	—	29.5	0.80	42.5	0.90	54.2	0.96	68.8	1.01	76.5	1.02	84.2	1.04	91.8	1.07	99.5	1.09	22
41.6	0.91	52.8	0.95	64.5	0.99	75.6	1.03	89.7	1.06	97.2	1.07	104.8	1.08	112.3	1.11	119.8	1.12	23
—	—	29.6	0.80	42.5	0.90	54.3	0.96	68.9	1.01	76.6	1.02	84.3	1.04	91.9	1.07	99.5	1.09	24
27.6	0.82	39.7	0.89	51.8	0.94	63.1	1.00	77.4	1.03	85.0	1.05	92.6	1.06	100.2	1.09	107.8	1.10	25
C150		C173		C195		C225		C255		C285		C300		C315		C330		
49.7	0.94	61.4	0.98	72.6	1.02	86.7	1.05	101.8	1.08	116.9	1.12	124.4	1.13	131.9	1.14	139.4	1.17	26
—	—	34.9	0.83	47.3	0.93	62.3	0.98	77.9	1.02	93.3	1.07	101.0	1.09	108.6	1.10	116.2	1.13	27
39.8	0.89	51.8	0.94	63.2	1.00	77.5	1.03	92.7	1.06	107.9	1.10	115.4	1.11	123.0	1.13	130.5	1.15	28
29.7	0.80	42.7	0.90	54.4	0.96	69.0	1.00	84.4	1.04	99.7	1.09	107.3	1.10	114.9	1.11	122.5	1.14	29
—	—	35.0	0.83	47.4	0.93	62.3	0.98	78.0	1.02	93.4	1.07	101.0	1.09	108.7	1.10	116.3	1.13	30
C150		C173		C195		C225		C255		C285		C300		C315		C330		
49.8	0.94	61.5	0.98	72.6	1.02	86.8	1.05	101.9	1.08	116.9	1.12	124.5	1.13	132.0	1.14	139.5	1.17	31
39.8	0.89	51.9	0.94	63.3	0.99	77.6	1.03	92.8	1.06	107.9	1.10	115.5	1.11	123.1	1.13	130.6	1.15	32
29.8	0.80	42.8	0.90	54.5	0.96	69.1	1.00	84.5	1.04	99.8	1.09	107.4	1.10	115.0	1.11	122.6	1.14	33
46.6	0.93	58.5	0.97	69.7	1.01	83.8	1.04	99.0	1.07	114.1	1.11	121.6	1.12	129.1	1.13	136.7	1.16	34
—	—	35.2	0.83	47.6	0.93	62.5	0.98	78.2	1.02	93.6	1.07	101.2	1.09	108.9	1.10	116.5	1.13	35
C150		C173		C195		C225		C255		C285		C300		C315		C330		
40.0	0.89	52.0	0.94	63.4	0.99	77.7	1.03	92.9	1.06	108.1	1.10	115.6	1.11	123.2	1.12	130.7	1.15	36
29.9	0.80	42.9	0.90	54.7	0.96	69.3	1.00	84.7	1.04	100.0	1.09	107.6	1.10	115.2	1.11	122.7	1.14	37
—	—	35.3	0.83	47.7	0.93	62.7	0.98	78.3	1.02	93.7	1.07	101.4	1.09	109.0	1.10	116.6	1.13	38
40.1	0.89	52.2	0.94	63.5	0.99	77.8	1.03	93.1	1.06	108.2	1.10	115.8	1.11	123.3	1.12	130.9	1.15	39
30.1	0.80	43.0	0.90	54.8	0.96	69.4	1.00	84.8	1.04	100.1	1.09	107.7	1.10	115.3	1.11	122.9	1.14	40
C150		C173		C195		C225		C255		C285		C300		C315		C330		
—	—	35.4	0.83	47.8	0.93	62.8	0.98	78.4	1.02	93.9	1.07	101.5	1.09	109.2	1.10	116.8	1.13	41
30.1	0.80	43.1	0.90	54.9	0.96	69.5	1.00	84.9	1.04	100.2	1.09	107.8	1.10	115.4	1.11	123.0	1.14	42
30.2	0.80	43.2	0.90	54.9	0.96	69.5	1.00	85.0	1.04	100.2	1.09	107.8	1.10	115.4	1.11	123.0	1.14	43
—	—	35.5	0.83	47.9	0.93	62.9	0.98	78.6	1.02	94.0	1.07	101.7	1.09	109.3	1.10	116.9	1.13	44
46.9	0.93	58.7	0.97	69.9	1.01	84.1	1.04	99.3	1.07	114.4	1.11	121.9	1.12	129.4	1.13	137.0	1.16	45
C150		C173		C195		C225		C255		C285		C300		C315		C330		
50.1	0.94	61.9	0.98	73.0	1.02	87.1	1.05	102.2	1.08	117.3	1.12	124.8	1.13	132.4	1.14	139.9	1.17	46
—	—	35.6	0.83	48.0	0.93	63.0	0.98	78.6	1.02	94.1	1.07	101.7	1.09	109.4	1.10	117.0	1.13	47
—	—	35.7	0.83	48.1	0.92	63.1	0.98	78.7	1.02	94.1	1.07	101.8	1.09	109.4	1.10	117.1	1.13	48
47.0	0.93	58.8	0.97	70.0	1.01	84.2	1.04	99.3	1.07	114.4	1.11	122.0	1.12	129.5	1.13	137.0	1.16	49
30.3	0.80	43.3	0.89	55.1	0.96	69.7	1.00	85.1	1.04	100.4	1.09	108.0	1.10	115.6	1.11	123.2	1.14	50
C150		C173		C195		C225		C255		C285		C300		C315		C330		
—	—	35.8	0.83	48.2	0.92	63.2	0.98	78.8	1.02	94.3	1.07	101.9	1.09	109.6	1.10	117.2	1.13	51
30.4	0.80	43.4	0.89	55.2	0.96	69.8	1.00	85.2	1.04	100.5	1.09	108.1	1.10	115.7	1.11	123.3	1.14	52
—	—	35.9	0.83	48.3	0.92	63.3	0.98	79.0	1.02	94.4	1.07	102.1	1.09	109.7	1.10	117.3	1.13	53
30.5	0.80	43.5	0.89	55.3	0.96	69.9	1.00	85.4	1.04	100.7	1.09	108.3	1.10	115.9	1.11	123.5	1.14	54
—	—	36.0	0.83	48.4	0.92	63.5	0.98	79.1	1.02	94.5	1.07	102.2	1.08	109.9	1.10	117.5	1.13	55
C150		C173		C195		C225		C255		C285		C300		C315		C330		
30.7	0.80	43.7	0.89	55.5	0.96	70.1	1.00	85.5	1.04	100.8	1.09	108.4	1.10	116.0	1.11	123.6	1.14	56
—	—	36.1	0.83	48.6	0.92	63.6	0.98	79.2	1.02	94.7	1.07	102.4	1.08	110.0	1.10	117.6	1.13	57
47.3	0.93	59.2	0.96	70.4	1.01	84.6	1.04	99.7	1.07	114.8	1.11	122.3	1.12	129.9	1.13	137.4	1.16	58
30.7	0.80	43.7	0.89	55.5	0.96	70.2	1.00	85.6	1.04	100.9	1.09	108.5	1.10	116.1	1.11	123.7	1.14	59
—	—	36.2	0.83	48.6	0.92	63.7	0.98	79.3	1.02	94.8	1.07	102.4	1.08	110.1	1.10	117.7	1.13	60
C150		C173		C195		C225		C255		C285		C300		C315		C330		
40.7	0.89	52.9	0.94	64.2	0.99	78.5	1.03	93.8	1.06	108.9	1.10	116.5	1.11	124.1	1.12	131.6	1.15	61
30.8	0.80	43.8	0.89	55.6	0.96	70.2	1.00	85.6	1.04	100.9	1.08	108.6	1.10	116.2	1.11	123.7	1.14	62
—	—	36.3	0.83	48.7	0.92	63.7	0.98	79.4	1.02	94.8	1.07	102.5	1.08	110.1	1.10	117.8	1.13	63
30.9	0.80	43.9	0.89	55.7	0.96	70.4	1.00	85.8	1.04	101.1	1.08	108.7	1.10	116.3	1.11	123.9	1.14	64
—	—	36.4	0.83	48.6	0.92	63.9	0.98	79.5	1.02	95.0	1.07	102.6	1.08	110.3	1.10	117.9	1.13	65
C150		C173		C195		C225		C255		C285		C300		C315		C330		
31.0	0.80	44.1	0.89	55.9	0.96	70.5	1.00	85.9	1.04	101.2	1.08	108.8	1.10	116.4	1.11	124.0	1.14	66
—	—	36.5	0.83	48.9	0.92	64.0	0.98	79.7	1.02	95.1	1.07	102.8	1.08	110.4	1.10	118.1	1.13	67
41.0	0.89	53.1	0.94	64.5	0.99	78.8	1.03	94.1	1.06	109.2	1.10	116.8	1.11	124.4	1.12	131.9	1.15	68
—	—	36.6	0.83	49.1	0.92	64.1	0.98	79.8	1.02	95.2	1.07	102.9	1.08	110.6	1.10	118.2	1.13	69
41.1	0.89	53.2	0.94	64.6	0.99	78.9	1.03	94.1	1.06	109.3	1.10	116.9	1.11	124.4	1.12	132.0	1.15	70
C150		C173		C195		C225		C255		C285		C300		C315		C330		
—	—	36.7	0.82	49.2	0.92	64.2	0.98	79.9	1.02	95.4	1.07	103.1	1.08	110.7	1.10	118.3	1.13	71
—	—	36.8	0.82	49.3	0.92	64.3	0.98	80.0	1.02	95.4	1.07	103.1	1.08	110.8	1.10	118.4	1.13	72
—	—	36.9	0.82	49.3	0.92	64.4	0.98	80.1	1.02	95.5	1.07	103.2	1.08	110.8	1.10	118.5	1.13	73
—	—	37.0	0.82	49.5	0.92	64.5	0.98	80.2	1.02	95.7	1.07	103.3	1.08	111.0	1.10	118.6	1.13	74
41.4	0.89	53.5	0.94	64.9	0.99	79.2	1.03	94.5	1.06	109.7	1.10	117.2	1.11	124.8	1.12	132.4	1.15	75

B

For FIXED and VARIABLE Drives

Line No.	Ratio	No of Grooves Min	No of Grooves Max	Pitch Diameter Driver	Pitch Diameter Driven	Type Fix.	Type Var.	Nominal Driven Speeds and Horsepower per Belt — 3500 RPM Driver: Nominal Driven Speed	HP per Belt Super	HP per Belt Gripnotch	1750 RPM Driver: Nominal Driven Speed	HP per Belt Super	HP per Belt Gripnotch	Center Distance in Inches and "F" Factor for Browning Belts — Belt No. C.D.	F	Belt No. C.D.	F	Belt No. C.D.	F
														3VX250		3VX280		3VX315	
1	1.00	1	2	2.20	2.20	X	—	3500	—	2.49	1750	—	1.46	9.0	0.84	10.5	0.86	12.3	0.88
2	1.00	1	2	2.30	2.30	X	—	3500	—	2.81	1750	—	1.63	8.9	0.84	10.4	0.86	12.1	0.88
3	1.00	1	3	2.50	2.50	X	—	3500	—	3.46	1750	—	1.98	8.6	0.84	10.1	0.86	11.8	0.88
4	1.00	1	4	2.60	2.60	X	—	3500	—	3.78	1750	—	2.15	8.4	0.84	9.9	0.86	11.7	0.88
5	1.00	1	4	2.80	2.80	X	—	3500	—	4.41	1750	—	2.49	8.1	0.84	9.6	0.86	11.4	0.88
														3VX250		3VX280		3VX315	
6	1.00	1	4	3.00	3.00	X	—	3500	—	5.03	1750	—	2.84	7.8	0.84	9.3	0.86	11.0	0.88
7	1.00	1	4	3.10	3.10	X	—	3500	—	5.34	1750	—	3.01	7.6	0.84	9.1	0.86	10.9	0.88
8	1.00	1	4	3.30	3.30	X	—	3500	—	5.96	1750	—	3.34	7.3	0.84	8.8	0.86	10.6	0.88
9	1.00	1	4	3.60	3.60	X	—	3500	—	6.86	1750	—	3.85	6.8	0.84	8.3	0.86	10.1	0.88
10	1.00	1	4	4.10	4.10	X	—	3500	—	8.32	1750	—	4.67	6.1	0.84	7.6	0.86	9.3	0.88
														3VX250		3VX280		3VX315	
11	1.00	1	4	4.50	4.50	X	—	3500	—	9.45	1750	—	5.33	5.4	0.84	6.9	0.86	8.7	0.88
12	1.00	1	10	4.70	4.70	X	—	3500	—	10.01	1750	—	5.65	5.1	0.84	6.6	0.86	8.4	0.88
13	1.00	1	10	5.00	5.00	X	—	3500	—	10.82	1750	—	6.13	—	—	6.2	0.86	7.9	0.88
14	1.00	1	10	5.30	5.30	X	—	3500	—	11.60	1750	—	6.61	—	—	—	—	7.4	0.88
15	1.00	1	10	5.60	5.60	X	—	3500	—	12.37	1750	—	7.09	—	—	—	—	7.0	0.88
														3VX300		3VX375		3VX450	
16	1.00	1	10	6.00	6.00	X	—	3500	—	13.35	1750	—	7.71	—	—	9.3	0.91	13.1	0.94
17	1.00	1	10	6.50	6.50	X	—	3500	—	14.52	1750	—	8.48	—	—	8.5	0.91	12.3	0.94
18	1.00	1	10	6.90	6.90	X	—	3500	—	15.40	1750	—	9.09	—	—	7.9	0.91	11.7	0.94
19	1.00	1	10	8.00	8.00	X	—	—	—	—	1750	—	10.71	—	—	—	—	9.9	0.94
20	1.00	1	10	10.60	10.60	X	—	—	—	—	1750	—	14.28	—	—	—	—	—	—
														3VX335		3VX400		3VX475	
21	1.00	1	10	14.00	14.00	X	—	—	—	—	1750	—	18.29	—	—	—	—	—	—
22	1.03	1	4	3.00	3.10	X	—	3398	—	5.14	1699	—	2.89	11.5	0.88	15.2	0.92	19.0	0.95
23	1.04	1	2	2.20	2.30	X	—	3365	—	2.60	1682	—	1.51	12.7	0.88	16.5	0.92	20.2	0.95
24	1.04	1	3	2.50	2.60	X	—	3365	—	3.57	1682	—	2.03	12.2	0.88	16.0	0.92	19.7	0.95
25	1.04	1	4	4.50	4.70	X	—	3365	—	9.56	1682	—	5.38	9.0	0.88	12.8	0.92	16.5	0.95
														3VX250		3VX280		3VX315	
26	1.05	1	10	5.30	5.60	X	—	3333	—	11.71	1666	—	6.67	—	—	—	—	7.2	0.87
27	1.06	1	4	3.10	3.30	X	—	3301	—	5.51	1650	—	3.09	7.5	0.83	9.0	0.85	10.7	0.87
28	1.06	1	10	4.70	5.00	X	—	3301	—	10.17	1650	—	5.73	—	—	6.4	0.85	8.1	0.87
29	1.06	1	10	5.00	5.30	X	—	3301	—	10.93	1650	—	6.19	—	—	5.9	0.85	7.7	0.87
30	1.06	1	10	6.50	6.90	X	—	3301	—	14.69	1650	—	8.56	—	—	—	—	—	—
														3VX250		3VX280		3VX315	
31	1.07	1	4	2.60	2.80	X	—	3271	—	3.94	1635	—	2.23	8.3	0.83	9.8	0.85	11.5	0.88
32	1.07	1	4	2.80	3.00	X	—	3271	—	4.57	1635	—	2.58	7.9	0.83	9.4	0.85	11.2	0.88
33	1.07	1	10	5.60	6.00	X	—	3271	—	12.53	1635	—	7.17	—	—	—	—	6.6	0.87
34	1.08	1	2	2.30	2.50	X	—	3240	—	2.98	1620	—	1.71	8.7	0.83	10.2	0.85	12.0	0.88
35	1.08	1	10	6.00	6.50	X	—	3240	—	13.52	1620	—	7.79	—	—	—	—	—	—
														3VX250		3VX280		3VX315	
36	1.09	1	4	3.30	3.60	X	—	3211	—	6.18	1605	—	3.45	7.1	0.83	8.6	0.85	10.3	0.87
37	1.09	1	4	4.10	4.50	X	—	3211	—	8.54	1605	—	4.78	5.7	0.83	7.2	0.85	9.0	0.87
38	1.10	1	4	2.80	3.10	X	—	3181	—	4.63	1590	—	2.60	7.9	0.83	9.4	0.85	11.1	0.87
39	1.10	1	4	3.00	3.30	X	—	3181	—	5.25	1590	—	2.95	7.6	0.83	9.1	0.85	10.8	0.87
40	1.11	1	4	4.50	5.00	X	—	3153	—	9.67	1576	—	5.44	—	—	6.5	0.85	8.3	0.87
														3VX250		3VX280		3VX315	
41	1.12	1	3	2.50	2.80	X	—	3125	—	3.68	1562	—	2.09	8.3	0.83	9.8	0.85	11.6	0.87
42	1.12	1	10	4.70	5.30	X	—	3125	—	10.23	1562	—	5.76	—	—	6.1	0.84	7.9	0.87
43	1.12	1	10	5.00	5.60	X	—	3125	—	11.04	1562	—	6.24	—	—	—	—	7.4	0.87
44	1.13	1	2	2.20	2.50	X	—	3097	—	2.76	1548	—	1.59	8.8	0.83	10.3	0.85	12.1	0.87
45	1.13	1	2	2.30	2.60	X	—	3097	—	3.09	1548	—	1.77	8.7	0.83	10.2	0.85	11.9	0.87
														3VX250		3VX280		3VX315	
46	1.13	1	4	3.60	4.10	X	—	3097	—	7.13	1548	—	3.98	6.5	0.82	8.0	0.85	9.7	0.87
47	1.13	1	10	5.30	6.00	X	—	3097	—	11.88	1548	—	6.75	—	—	—	—	6.9	0.86
48	1.14	1	4	4.10	4.70	X	—	3070	—	8.60	1535	—	4.81	5.6	0.82	7.1	0.84	8.8	0.87
49	1.14	1	10	6.00	6.90	X	—	3070	—	13.63	1535	—	7.85	—	—	—	—	—	—
50	1.15	1	4	2.60	3.00	X	—	3043	—	4.05	1521	—	2.29	8.1	0.83	9.6	0.85	11.4	0.87
														3VX250		3VX280		3VX315	
51	1.15	1	10	6.90	8.00	X	—	3043	—	15.68	1521	—	9.22	—	—	—	—	—	—
52	1.16	1	4	3.10	3.60	X	—	3017	—	5.62	1508	—	3.14	7.2	0.83	8.7	0.85	10.5	0.87
53	1.16	1	10	5.60	6.50	X	—	3017	—	12.65	1508	—	7.22	—	—	—	—	—	—
54	1.17	1	4	2.80	3.30	X	—	2991	—	4.68	1495	—	2.63	7.7	0.83	9.2	0.85	11.0	0.87
55	1.17	1	4	4.50	5.30	X	—	2991	—	9.73	1495	—	5.47	—	—	6.3	0.84	8.0	0.86
														3VX250		3VX280		3VX315	
56	1.18	1	2	2.20	2.60	X	—	2966	—	2.82	1483	—	1.62	8.7	0.83	10.2	0.85	12.0	0.87
57	1.19	1	4	2.60	3.10	X	—	2941	—	4.11	1470	—	2.32	8.0	0.83	9.5	0.85	11.3	0.87
58	1.19	1	10	4.70	5.60	X	—	2941	—	10.34	1470	—	5.82	—	—	5.9	0.83	7.7	0.86
59	1.20	1	3	2.50	3.00	X	—	2916	—	3.79	1458	—	2.14	8.2	0.83	9.7	0.85	11.4	0.87
60	1.20	1	4	3.00	3.60	X	—	2916	—	5.36	1458	—	3.00	7.3	0.82	8.8	0.85	10.6	0.87
														3VX250		3VX280		3VX315	
61	1.20	1	10	5.00	6.00	X	—	2916	—	11.15	1458	—	6.30	—	—	—	—	7.1	0.86
62	1.21	1	2	2.30	2.80	X	—	2892	—	3.14	1446	—	1.80	8.5	0.83	10.0	0.85	11.7	0.87
63	1.21	1	4	4.10	5.00	X	—	2892	—	8.65	1446	—	4.84	5.3	0.81	6.8	0.84	8.6	0.86
64	1.22	1	10	5.30	6.50	X	—	2868	—	11.93	1434	—	6.78	—	—	—	—	6.5	0.85
65	1.23	1	10	5.60	6.90	X	—	2845	—	12.70	1422	—	7.25	—	—	—	—	—	—
														3VX250		3VX280		3VX315	
66	1.23	1	10	6.50	8.00	X	—	2845	—	14.85	1422	—	8.64	—	—	—	—	—	—
67	1.24	1	3	2.50	3.10	X	—	2822	—	3.79	1411	—	2.14	8.1	0.82	9.6	0.85	11.4	0.87
68	1.24	1	4	3.30	4.10	X	—	2822	—	6.29	1411	—	3.51	6.7	0.82	8.2	0.84	9.9	0.87
69	1.24	1	4	4.50	5.60	X	—	2822	—	9.78	1411	—	5.49	—	—	6.0	0.83	7.8	0.86
70	1.25	1	4	3.60	4.50	X	—	2800	—	7.24	1400	—	4.04	6.1	0.81	7.6	0.84	9.4	0.86
														3VX250		3VX280		3VX315	
71	1.26	1	4	2.60	3.30	X	—	2777	—	4.16	1388	—	2.34	7.9	0.82	9.4	0.85	11.1	0.87
72	1.27	1	2	2.20	2.80	X	—	2755	—	2.87	1377	—	1.65	8.6	0.83	10.1	0.85	11.8	0.87
73	1.27	1	10	4.70	6.00	X	—	2755	—	10.39	1377	—	5.85	—	—	—	—	7.3	0.85
74	1.28	1	4	2.80	3.60	X	—	2734	—	4.79	1367	—	2.69	7.5	0.82	9.0	0.84	10.7	0.87
75	1.29	1	4	4.10	5.30	X	—	2713	—	8.71	1356	—	4.87	—	—	6.6	0.83	8.3	0.86

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts

Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
3VX355		3VX400		3VX450		3VX500		3VX560		3VX630		3VX710		3VX800		3VX900		
14.3	0.90	16.5	0.92	19.0	0.94	21.5	0.96	24.5	0.98	28.0	1.00	32.0	1.03	36.5	1.05	41.5	1.07	1
14.1	0.90	16.4	0.92	18.9	0.94	21.4	0.96	24.4	0.98	27.9	1.00	31.9	1.03	36.4	1.05	41.4	1.07	2
13.8	0.90	16.1	0.92	18.6	0.94	21.1	0.96	24.1	0.98	27.6	1.00	31.6	1.03	36.1	1.05	41.1	1.07	3
13.7	0.90	15.9	0.92	18.4	0.94	20.9	0.96	23.9	0.98	27.4	1.00	31.4	1.03	35.9	1.05	40.9	1.07	4
13.4	0.90	15.6	0.92	18.1	0.94	20.6	0.96	23.6	0.98	27.1	1.00	31.1	1.03	35.6	1.05	40.6	1.07	5
3VX355		3VX400		3VX450		3VX500		3VX560		3VX630		3VX710		3VX800		3VX900		
13.0	0.90	15.3	0.92	17.8	0.94	20.3	0.96	23.3	0.98	26.8	1.00	30.8	1.03	35.3	1.05	40.3	1.07	6
12.9	0.90	15.1	0.92	17.6	0.94	20.1	0.96	23.1	0.98	26.6	1.00	30.6	1.03	35.1	1.05	40.1	1.07	7
12.6	0.90	14.8	0.92	17.3	0.94	19.8	0.96	22.8	0.98	26.3	1.00	30.3	1.03	34.8	1.05	39.8	1.07	8
12.1	0.90	14.3	0.92	16.8	0.94	19.3	0.96	22.3	0.98	25.8	1.00	29.8	1.03	34.3	1.05	39.3	1.07	9
11.3	0.90	13.6	0.92	16.1	0.94	18.6	0.96	21.6	0.98	25.1	1.00	29.1	1.03	33.6	1.05	38.6	1.07	10
3VX355		3VX400		3VX450		3VX500		3VX560		3VX630		3VX710		3VX800		3VX900		
10.7	0.90	12.9	0.92	15.4	0.94	17.9	0.96	20.9	0.98	24.4	1.00	28.4	1.03	32.9	1.05	37.9	1.07	11
10.4	0.90	12.6	0.92	15.1	0.94	17.6	0.96	20.6	0.98	24.1	1.00	28.1	1.03	32.6	1.05	37.6	1.07	12
9.9	0.90	12.1	0.92	14.6	0.94	17.1	0.96	20.1	0.98	23.6	1.00	27.6	1.03	32.2	1.05	37.2	1.07	13
9.4	0.90	11.7	0.92	14.2	0.94	16.7	0.96	19.7	0.98	23.2	1.00	27.2	1.03	31.7	1.05	36.7	1.07	14
9.0	0.90	11.2	0.92	13.7	0.94	16.2	0.96	19.2	0.98	22.7	1.00	26.7	1.03	31.2	1.05	36.2	1.07	15
3VX530		3VX600		3VX670		3VX750		3VX850		3VX950		3VX1060		3VX1180		3VX1320		
17.1	0.97	20.6	1.00	24.1	1.02	28.1	1.04	33.1	1.06	38.1	1.08	43.6	1.10	49.6	1.12	56.6	1.14	16
16.3	0.97	19.8	1.00	23.3	1.02	27.3	1.04	32.3	1.06	37.3	1.08	42.8	1.10	48.8	1.12	55.8	1.14	17
15.7	0.97	19.2	1.00	22.7	1.02	26.7	1.04	31.7	1.06	36.7	1.08	42.2	1.10	48.2	1.12	55.2	1.14	18
13.9	0.97	17.4	1.00	20.9	1.02	24.9	1.04	29.9	1.06	34.9	1.08	40.4	1.10	46.4	1.12	53.4	1.14	19
—	—	13.4	1.00	16.9	1.02	20.9	1.04	25.9	1.06	30.9	1.08	36.4	1.10	42.4	1.12	49.4	1.14	20
3VX560		3VX630		3VX710		3VX800		3VX900		3VX1000		3VX1120		3VX1250		3VX1400		
—	—	—	—	—	—	18.0	1.05	23.0	1.07	28.0	1.09	34.0	1.11	40.5	1.13	48.0	1.15	21
23.2	0.98	26.7	1.00	30.7	1.03	35.2	1.05	40.2	1.07	45.2	1.09	51.2	1.11	57.7	1.13	65.2	1.15	22
24.5	0.98	28.0	1.00	32.0	1.03	36.5	1.05	41.5	1.07	46.5	1.09	52.5	1.11	59.0	1.13	66.5	1.15	23
24.0	0.98	27.5	1.00	31.5	1.03	36.0	1.05	41.0	1.07	46.0	1.09	52.0	1.11	58.5	1.13	66.0	1.15	24
20.8	0.98	24.3	1.00	28.3	1.03	32.8	1.05	37.8	1.07	42.8	1.09	48.8	1.11	55.3	1.13	62.8	1.15	25
3VX355		3VX400		3VX450		3VX500		3VX560		3VX630		3VX710		3VX800		3VX900		
9.2	0.89	11.4	0.92	13.9	0.94	16.4	0.96	19.4	0.98	22.9	1.00	26.9	1.02	31.4	1.05	36.4	1.07	26
12.7	0.90	15.0	0.92	17.5	0.94	20.0	0.96	23.0	0.98	26.5	1.00	30.5	1.03	35.0	1.05	40.0	1.07	27
10.1	0.90	12.4	0.92	14.9	0.94	17.4	0.96	20.4	0.98	23.9	1.00	27.9	1.02	32.4	1.05	37.4	1.07	28
9.7	0.89	11.9	0.92	14.4	0.94	16.9	0.96	19.9	0.98	23.4	1.00	27.4	1.02	31.9	1.05	36.9	1.07	29
7.2	0.89	9.5	0.91	12.0	0.94	14.5	0.96	17.5	0.98	21.0	1.00	25.0	1.02	29.5	1.05	34.5	1.07	30
3VX355		3VX400		3VX450		3VX500		3VX560		3VX630		3VX710		3VX800		3VX900		
13.5	0.90	15.8	0.92	18.3	0.94	20.8	0.96	23.8	0.98	27.3	1.00	31.3	1.03	35.8	1.05	40.8	1.07	31
13.2	0.90	15.4	0.92	17.9	0.94	20.4	0.96	23.4	0.98	26.9	1.00	30.9	1.03	35.4	1.05	40.4	1.07	32
8.6	0.89	10.9	0.92	13.4	0.94	15.9	0.96	18.9	0.98	22.4	1.00	26.4	1.02	30.9	1.05	35.9	1.07	33
14.0	0.90	16.2	0.92	18.7	0.94	21.2	0.96	24.2	0.98	27.7	1.00	31.7	1.03	36.2	1.05	41.2	1.07	34
7.9	0.89	10.2	0.91	12.7	0.94	15.2	0.96	18.2	0.98	21.7	1.00	25.7	1.02	30.2	1.05	35.2	1.07	35
3VX355		3VX400		3VX450		3VX500		3VX560		3VX630		3VX710		3VX800		3VX900		
12.3	0.90	14.6	0.92	17.1	0.94	19.6	0.96	22.6	0.98	26.1	1.00	30.1	1.02	34.6	1.05	39.6	1.07	36
11.0	0.89	13.2	0.92	15.7	0.94	18.2	0.96	21.2	0.98	24.7	1.00	28.7	1.02	33.2	1.05	38.2	1.07	37
13.1	0.90	15.4	0.92	17.9	0.94	20.4	0.96	23.4	0.98	26.9	1.00	30.9	1.03	35.4	1.05	40.4	1.07	38
12.8	0.90	15.1	0.92	17.6	0.94	20.1	0.96	23.1	0.98	26.6	1.00	30.6	1.02	35.1	1.05	40.1	1.07	39
10.3	0.89	12.5	0.92	15.0	0.94	17.5	0.96	20.5	0.98	24.0	1.00	28.0	1.02	32.5	1.05	37.5	1.07	40
3VX355		3VX400		3VX450		3VX500		3VX560		3VX630		3VX710		3VX800		3VX900		
13.6	0.90	15.8	0.92	18.3	0.94	20.8	0.96	23.8	0.98	27.3	1.00	31.3	1.03	35.8	1.05	40.8	1.07	41
9.9	0.89	12.1	0.91	14.6	0.94	17.1	0.96	20.1	0.98	23.6	1.00	27.6	1.02	32.1	1.05	37.1	1.07	42
9.4	0.89	11.7	0.91	14.2	0.94	16.7	0.96	19.7	0.98	23,2	1.00	27.2	1.02	31.7	1.05	36.7	1.07	43
14.1	0.90	16.3	0.92	18.8	0.94	21.3	0.96	24.3	0.98	27.8	1.00	31.8	1.03	36.3	1.05	41.3	1.07	44
13.9	0.90	16.2	0.92	18.7	0.94	21.2	0.96	24.2	0.98	27.7	1.00	31.7	1.03	36.2	1.05	41.2	1.07	45
3VX355		3VX400		3VX450		3VX500		3VX560		3VX630		3VX710		3VX800		3VX900		
11.7	0.89	14.0	0.92	16.5	0.94	19.0	0.96	22.0	0.98	25.5	1.00	29.5	1.02	34.0	1.05	39.0	1.07	46
8.9	0.89	11.1	0.91	13.6	0.93	16.1	0.96	19.1	0.98	22.6	1.00	26.6	1.02	31.1	1.04	36.1	1.07	47
10.8	0.89	13.1	0.91	15.6	0.94	18.1	0.96	21.1	0.98	24.6	1.00	28.6	1.02	33.1	1.05	38.1	1.07	48
7.6	0.88	9.9	0.91	12.4	0.93	14.9	0.95	17.9	0.97	21.4	1.00	25.4	1.02	29.9	1.04	34.9	1.07	49
13.4	0.90	15.6	0.92	18.1	0.94	20.6	0.96	23.6	0.98	27.1	1.00	31.1	1.02	35.6	1.05	40.6	1.07	50
3VX355		3VX400		3VX450		3VX500		3VX560		3VX630		3VX710		3VX800		3VX900		
—	—	8.3	0.90	10.8	0.93	13.3	0.95	16.3	0.97	19.8	1.00	23.8	1.02	28.3	1.04	33.3	1.06	51
12.5	0.89	14.7	0.92	17.2	0.94	19.7	0.96	22.7	0.98	26.2	1.00	30.2	1.02	34.7	1.05	39.7	1.07	52
8.2	0.88	10.5	0.91	13.0	0.93	15.5	0.95	18.5	0.98	22.0	1.00	26.0	1.02	30.5	1.04	35.5	1.07	53
13.0	0.89	15.2	0.92	17.7	0.94	20.2	0.96	23.2	0.98	26.7	1.00	30.7	1.02	35.2	1.05	40.2	1.07	54
10.0	0.89	12.3	0.91	14.8	0.93	17.3	0.95	20.3	0.98	23.8	1.00	27.8	1.02	32.3	1.04	37.3	1.07	55
3VX355		3VX400		3VX450		3VX500		3VX560		3VX630		3VX710		3VX800		3VX900		
14.0	0.90	16.2	0.92	18.7	0.94	21.2	0.96	24.2	0.98	27.7	1.00	31.7	1.02	36.2	1.05	41.2	1.07	56
13.3	0.89	15.5	0.92	18.0	0.94	20.5	0.96	23.5	0.98	27.0	1.00	31.0	1.02	35.5	1.05	40.5	1.07	57
9.7	0.89	11.9	0.91	14.4	0.93	16.9	0.95	19.9	0.98	23.4	1.00	27.4	1.02	31.9	1.04	36.9	1.07	58
13.4	0.89	15.7	0.92	18.2	0.94	20.7	0.96	23.7	0.98	27.2	1.00	31.2	1.02	35.7	1.05	40.7	1.07	59
12.6	0.89	14.8	0.92	17.3	0.94	19.8	0.96	22.8	0.98	26.3	1.00	30.3	1.02	34.8	1.05	39.8	1.07	60
3VX355		3VX400		3VX450		3VX500		3VX560		3VX630		3VX710		3VX800		3VX900		
9.1	0.88	11.4	0.91	13.9	0.93	16.4	0.95	19.4	0.97	22.9	1.00	26.9	1.02	31.4	1.04	36.4	1.07	61
13.7	0.89	16.0	0.92	18.5	0.94	21.0	0.96	24.0	0.98	27.5	1.00	31.5	1.02	36.0	1.05	41.0	1.07	62
10.6	0.89	12.8	0.91	15.3	0.93	17.9	0.95	20.9	0.98	24.4	1.00	28.4	1.02	32.9	1.04	37.9	1.07	63
8.5	0.88	10.7	0.90	13.2	0.93	15.7	0.95	18.7	0.97	22.2	1.00	26.2	1.02	30.7	1.04	35.7	1.06	64
7.9	0.88	10.2	0.90	12.7	0.93	15.2	0.95	18.2	0.97	21.7	0.99	25.7	1.02	30.2	1.04	35.2	1.06	65
3VX355		3VX400		3VX450		3VX500		3VX560		3VX630		3VX710		3VX800		3VX900		
—	—	8.6	0.89	11.1	0.92	13.6	0.94	16.6	0.97	20.1	0.99	24.1	1.02	28.6	1.04	33.6	1.06	66
13.4	0.89	15.6	0.92	18.1	0.94	20.6	0.96	23.6	0,98	27.1	1.00	31.1	1.02	35.6	1.05	40.6	1.07	67
11.9	0.89	14.2	0.91	16.7	0.94	19.2	0.96	22.2	0.98	25.7	1.00	29.7	1.02	34.2	1.04	39.2	1.07	68
9.8	0.88	12.1	0.91	14.6	0.93	17.1	0.95	20.1	0.97	23.6	1.00	27.6	1.02	32.1	1.04	37.1	1.06	69
11.4	0.89	13.6	0.91	16.1	0.93	18.6	0.95	21.6	0.98	25.1	1.00	29.1	1.02	33.6	1.04	38.6	1.07	70
3VX355		3VX400		3VX450		3VX500		3VX560		3VX630		3VX710		3VX800		3VX900		
13.1	0.89	15.4	0.91	17.9	0.94	20.4	0.96	23.4	0.98	26.9	1.00	30.9	1.02	35.4	1.05	40.4	1.07	71
13.8	0.89	16.1	0.92	18.6	0.94	21.1	0.96	24.1	0.98	27.6	1.00	31.6	1.02	36.1	1.05	41.1	1.07	72
9.3	0.88	11.6	0.90	14.1	0.93	16.6	0.95	19.6	0.97	23.1	1.00	27.1	1.02	31.6	1.04	36.6	1.06	73
12.7	0.89	15.0	0.91	17.5	0.94	20.0	0.96	23.0	0.98	26.5	1.00	30.5	1.02	35.0	1.04	40.0	1.07	74
10.4	0.88	12.6	0.91	15.1	0.93	17.6	0.95	20.6	0.97	24.1	1.00	28.1	1.02	32.6	1.04	37.6	1.06	75

B

For FIXED and VARIABLE Drives

Line No.	Ratio	No of Grooves Min	No of Grooves Max	Pitch Diameter Driver	Pitch Diameter Driven	Type Fix.	Type Var.	Nominal Driven Speeds and Horsepower per Belt — 3500 RPM Driver: Nominal Driven Speed	HP per Belt Super	HP per Belt Gripnotch	1750 RPM Driver: Nominal Driven Speed	HP per Belt Super	HP per Belt Gripnotch	Center Distance in Inches and "F" Factor for Browning Belts — Belt No.	CD.	F	Belt No.	CD.	F	Belt No.	CD.	F
														3VX250			3VX280			3VX315		
1	1.30	1	2	2.30	3.00	X	—	2692	—	3.20	1346	—	1.82	8.3		0.82	9.8		0.85	11.6		0.87
2	1.30	1	4	3.60	4.70	X	—	2692	—	7.24	1346	—	4.04	6.0		0.81	7.5		0.84	9.2		0.86
3	1.30	1	10	5.00	6.50	X	—	2692	—	11.20	1346	—	6.33	—		—	—		—	6.7		0.84
4	1.30	1	10	5.30	6.90	X	—	2692	—	11.99	1346	—	6.81	—		—	—		—	—		—
5	1.32	1	3	2.50	3.30	X	—	2651	—	3.84	1325	—	2.17	7.9		0.82	9.4		0.84	11.2		0.87
														3VX335			3VX400			3VX475		
6	1.32	1	4	3.10	4.10	X	—	2651	—	5.73	1325	—	3.20	10.6		0.87	14.3		0.91	18.1		0.94
7	1.32	1	10	8.00	10.60	X	—	—	—	—	1325	—	10.90	—		—	—		—	—		—
8	1.32	1	10	10.60	14.00	X	—	—	—	—	1325	—	14.47	—		—	—		—	—		—
9	1.33	1	4	4.50	6.00	X	—	2631	—	9.84	1315	—	5.52	8.0		0.86	11.7		0.90	15.5		0.94
10	1.33	1	10	6.00	8.00	X	—	2631	—	13.74	1315	—	7.90	—		—	9.0		0.89	12.7		0.93
														3VX335			3VX400			3VX475		
11	1.34	1	2	2.30	3.10	X	—	2611	—	3.20	1305	—	1.82	12.0		0.87	15.8		0.91	19.5		0.95
12	1.35	1	10	14.00	19.00	X	—	—	—	—	1296	—	18.51	—		—	—		—	—		—
13	1.36	1	2	2.20	3.00	X	—	2573	—	2.93	1286	—	1.68	12.2		0.87	15.9		0.91	19.7		0.95
14	1.36	1	4	3.00	4.10	X	—	2573	—	5.47	1286	—	3.06	10.7		0.87	14.4		0.91	18.2		0.94
15	1.36	1	4	3.30	4.50	X	—	2573	—	6.40	1286	—	3.56	10.1		0.87	13.9		0.91	17.6		0.94
														3VX250			3VX280			3VX315		
16	1.36	1	4	4.10	5.60	X	—	2573	—	8.76	1286	—	4.89	—		—	6.3		0.82	8.1		0.85
17	1.38	1	4	2.60	3.60	X	—	2536	—	4.22	1268	—	2.37	7.6		0.82	9.1		0.84	10.9		0.86
18	1.38	1	4	3.60	5.00	X	—	2536	—	7.30	1268	—	4.07	5.7		0.80	7.2		0.83	9.0		0.85
19	1.38	1	10	4.70	6.50	X	—	2536	—	10.45	1268	—	5.87	—		—	—		—	6.9		0.84
20	1.38	1	10	5.00	6.90	X	—	2536	—	11.26	1268	—	6.35	—		—	—		—	—		—
														3VX250			3VX280			3VX315		
21	1.40	1	2	2.20	3.10	X	—	2500	—	2.93	1250	—	1.68	8.3		0.82	9.8		0.84	11.6		0.87
22	1.42	1	4	3.30	4.70	X	—	2464	—	6.40	1232	—	3.56	6.2		0.80	7.7		0.83	9.4		0.86
23	1.42	1	10	5.60	8.00	X	—	2464	—	12.81	1232	—	7.31	—		—	—		—	—		—
24	1.43	1	2	2.30	3.30	X	—	2447	—	3.25	1223	—	1.85	8.1		0.82	9.6		0.84	11.3		0.86
25	1.44	1	3	2.50	3.60	X	—	2430	—	3.90	1215	—	2.20	7.7		0.82	9.2		0.84	10.9		0.86
														3VX250			3VX280			3VX315		
26	1.44	1	4	4.50	6.50	X	—	2430	—	9.89	1215	—	5.55	—		—	—		—	7.0		0.84
27	1.45	1	4	3.10	4.50	X	—	2413	—	5.78	1206	—	3.23	6.5		0.81	8.0		0.83	9.8		0.86
28	1.46	1	4	2.80	4.10	X	—	2397	—	4.85	1198	—	2.71	7.1		0.81	8.6		0.83	10.3		0.86
29	1.46	1	4	4.10	6.00	X	—	2397	—	8.76	1198	—	4.89	—		—	6.0		0.81	7.8		0.84
30	1.46	1	10	4.70	6.90	X	—	2397	—	10.45	1198	—	5.87	—		—	—		—	6.6		0.83
														3VX250			3VX280			3VX315		
31	1.47	1	4	3.60	5.30	X	—	2380	—	7.30	1190	—	4.07	5.4		0.79	7.0		0.82	8.7		0.85
32	1.50	1	2	2.20	3.30	X	—	2333	—	2.93	1166	—	1.68	8.2		0.82	9.7		0.84	11.4		0.86
33	1.50	1	4	3.00	4.50	X	—	2333	—	5.47	1166	—	3.06	6.6		0.80	8.1		0.83	9.8		0.86
34	1.50	1	10	5.30	8.00	X	—	2333	—	12.05	1166	—	6.83	—		—	—		—	—		—
35	1.51	1	4	3.10	4.70	X	—	2317	—	5.78	1158	—	3.23	6.3		0.80	7.8		0.83	9.6		0.85
														3VX280			3VX335			3VX400		
36	1.51	1	4	3.30	5.00	X	—	2317	—	6.40	1158	—	3.56	7.4		0.82	10.2		0.86	13.5		0.90
37	1.53	1	4	4.50	6.90	X	—	2287	—	9.89	1143	—	5.55	—		—	7.7		0.84	11.0		0.89
38	1.53	1	10	6.90	10.60	X	—	2287	—	15.84	1143	—	9.31	—		—	—		—	—		—
39	1.55	1	4	3.60	5.60	X	—	2258	—	7.30	1129	—	4.07	6.7		0.81	9.5		0.86	12.7		0.90
40	1.56	1	2	2.30	3.60	X	—	2243	—	3.25	1121	—	1.85	9.3		0.84	12.1		0.87	15.4		0.91
														3VX250			3VX280			3VX315		
41	1.56	1	4	3.00	4.70	X	—	2243	—	5.47	1121	—	3.06	6.4		0.80	7.9		0.83	9.7		0.85
42	1.57	1	4	2.60	4.10	X	—	2229	—	4.27	1114	—	2.40	7.2		0.81	8.7		0.83	10.5		0.86
43	1.58	1	4	4.10	6.50	X	—	2215	—	8.82	1107	—	4.92	—		—	—		—	7.3		0.83
44	1.60	1	4	2.80	4.50	X	—	2187	—	4.90	1093	—	2.74	6.7		0.80	8.2		0.83	10.0		0.85
45	1.60	1	4	3.30	5.30	X	—	2187	—	6.45	1093	—	3.59	5.7		0.79	7.2		0.82	8.9		0.85
														3VX280			3VX335			3VX400		
46	1.60	1	10	5.00	8.00	X	—	2187	—	11.31	1093	—	6.38	—		—	—		—	9.7		0.87
47	1.61	1	4	3.10	5.00	X	—	2173	—	5.84	1086	—	3.25	7.6		0.82	10.3		0.86	13.6		0.90
48	1.63	1	2	2.20	3.60	X	—	2147	—	2.98	1073	—	1.70	9.4		0.83	12.2		0.87	15.4		0.91
49	1.63	1	10	6.50	10.60	X	—	2147	—	15.02	1073	—	8.73	—		—	—		—	—		—
50	1.64	1	3	2.50	4.10	X	—	2134	—	3.95	1067	—	2.23	8.8		0.83	11.5		0.87	14.8		0.90
														3VX250			3VX280			3VX315		
51	1.66	1	4	3.00	5.00	X	—	2108	—	5.53	1054	—	3.08	6.1		0.79	7.7		0.82	9.4		0.85
52	1.66	1	4	3.60	6.00	X	—	2108	—	7.35	1054	—	4.09	—		—	6.4		0.80	8.1		0.83
53	1.67	1	4	2.80	4.70	X	—	2095	—	4.90	1047	—	2.74	6.5		0.80	8.1		0.82	9.8		0.85
54	1.68	1	4	4.10	6.90	X	—	2083	—	8.82	1041	—	4.92	—		—	—		—	7.0		0.82
55	1.69	1	4	3.30	5.60	X	—	2071	—	6.45	1035	—	3.59	5.4		0.78	6.9		0.81	8.7		0.84
														3VX300			3VX375			3VX450		
56	1.70	1	4	3.10	5.30	X	—	2058	—	5.84	1029	—	3.25	8.3		0.83	12.1		0.88	15.9		0.92
57	1.70	1	10	4.70	8.00	X	—	2058	—	10.50	1029	—	5.90	—		—	8.6		0.85	12.4		0.90
58	1.73	1	4	2.60	4.50	X	—	2023	—	4.27	1011	—	2.40	9.4		0.84	13.1		0.89	16.9		0.93
59	1.75	1	10	8.00	14.00	X	—	—	—	—	1000	—	10.96	—		—	—		—	—		—
60	1.76	1	4	3.00	5.30	X	—	1988	—	5.53	994	—	3.08	8.4		0.83	12.2		0.88	15.9		0.92
														3VX335			3VX400			3VX475		
61	1.76	1	10	6.00	10.60	X	—	1988	—	13.85	994	—	7.96	—		—	—		—	10.5		0.88
62	1.77	1	4	4.50	8.00	X	—	1977	—	9.95	988	—	5.58	—		—	10.0		0.87	13.8		0.91
63	1.78	1	2	2.30	4.10	X	—	1966	—	3.31	983	—	1.88	11.2		0.86	14.9		0.90	18.7		0.94
64	1.78	1	4	2.80	5.00	X	—	1966	—	4.90	983	—	2.74	10.1		0.85	13.8		0.90	17.6		0.93
65	1.78	1	10	14.00	25.00	X	—	—	—	—	983	—	18.54	—		—	—		—	—		—
														3VX335			3VX400			3VX475		
66	1.79	1	10	10.60	19.00	X	—	—	—	—	977	—	14.53	—		—	—		—	—		—
67	1.80	1	3	2.50	4.50	X	—	1944	—	3.95	972	—	2.23	10.7		0.86	14.5		0.90	18.2		0.94
68	1.80	1	4	2.60	4.70	X	—	1944	—	4.27	972	—	2.40	10.5		0.85	14.2		0.90	18.0		0.93
69	1.80	1	4	3.10	5.60	X	—	1944	—	5.84	972	—	3.25	9.3		0.84	13.1		0.89	16.9		0.93
70	1.80	1	4	3.60	6.50	X	—	1944	—	7.35	972	—	4.09	8.2		0.83	12.0		0.88	15.8		0.92
														3VX250			3VX280			3VX315		
71	1.81	1	4	3.30	6.00	X	—	1933	—	6.45	966	—	3.59	—		—	6.6		0.80	8.3		0.83
72	1.86	1	2	2.20	4.10	X	—	1881	—	2.90	940	—	1.70	7.5		0.80	9.0		0.83	10.8		0.85
73	1.86	1	4	3.00	5.60	X	—	1881	—	5.53	940	—	3.08	5.6		0.77	7.1		0.80	8.9		0.84
74	1.88	1	3	2.50	4.70	X	—	1861	—	3.95	930	—	2.23	6.8		0.79	8.3		0.82	10.0		0.85
75	1.89	1	4	2.80	5.30	X	—	1851	—	4.90	925	—	2.74	6.0		0.78	7.5		0.81	9.3		0.84

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts

Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
3VX355		**3VX400**		**3VX450**		**3VX500**		**3VX560**		**3VX630**		**3VX710**		**3VX800**		**3VX900**		
13.6	0.89	15.8	0.91	18.3	0.94	20.8	0.96	23.8	0.98	27.3	1.00	31.3	1.02	35.8	1.05	40.8	1.07	1
11.2	0.88	13.5	0.91	16.0	0.93	18.5	0.95	21.5	0.97	25.0	1.00	29.0	1.02	33.5	1.04	38.5	1.07	2
8.7	0.87	10.9	0.90	13.5	0.93	16.0	0.95	19.0	0.97	22.5	0.99	26.5	1.02	31.0	1.04	36.0	1.06	3
8.1	0.87	10.4	0.90	12.9	0.92	15.4	0.95	18.4	0.97	21.9	0.99	25.9	1.02	30.4	1.04	35.4	1.06	4
13.2	0.89	15.4	0.91	17.9	0.94	20.4	0.96	23.4	0.98	26.9	1.00	30.9	1.02	35.4	1.04	40.4	1.07	5
3VX560		**3VX630**		**3VX710**		**3VX800**		**3VX900**		**3VX1000**		**3VX1120**		**3VX1250**		**3VX1400**		
22.3	0.98	25.8	1.00	29.8	1.02	34.3	1.04	39.3	1.07	44.3	1.09	50.3	1.11	56.8	1.13	64.3	1.15	6
13.3	0.95	16.8	0.98	20.9	1 .01	25.4	1.03	30.4	1.05	35.4	1.08	41.4	1.10	47.9	1.12	55.4	1.14	7
—	—	—	—	16.1	0.99	20.6	1.02	25.6	1.05	30.6	1.07	36.6	1.09	43.2	1.12	50.7	1.14	8
19.7	0.97	23.2	0.99	27.2	1.02	31.7	1.04	36.7	1.06	41.8	1.08	47.8	1.10	54.3	1.13	61.8	1.15	9
17.0	0.96	20.5	0.99	24.5	1.01	29.0	1.04	34.0	1.06	39.0	1.08	45.0	1.10	51.5	1.12	59.0	1.14	10
3VX560		**3VX630**		**2VX710**		**3VX800**		**3VX900**		**3VX1000**		**3VX1120**		**3VX1250**		**3VX1400**		
23.8	0.98	27.3	1.00	31.3	1.02	35.8	1.04	40.8	1.07	45.8	1.09	51.8	1.11	58.3	1.13	65.8	1.15	11
—	—	—	—	—	—	—	—	18.9	1.02	24.0	1.05	30.0	1.08	36.5	1.10	44.0	1.13	12
23.9	0.98	27.4	1.00	31.4	1.02	35.9	1.04	40.9	1.07	45.9	1.09	51.9	1.11	58.4	1.13	65.9	1.15	13
22.4	0.98	25.9	1.00	29.9	1.02	34.4	1.04	39.4	1.07	44.4	1.08	50.4	1.11	56.9	1.13	64.4	1.15	14
21.9	0.97	25.4	1.00	29.4	1.02	33.9	1.04	38.9	1.06	43.9	1.08	49.9	1.11	56.4	1.13	63.9	1.15	15
3VX355		**3VX400**		**3VX450**		**3VX500**		**3VX560**		**3VX630**		**3VX710**		**3VX800**		**3VX900**		
10.1	0.88	12.4	0.90	14.9	0.93	17.4	0.95	20.4	0.97	23.9	0.99	27.9	1.02	32.4	1.04	37.4	1.06	16
12.9	0.89	15.1	0.91	17.6	0.93	20.1	0.95	23.1	0.98	26.6	1.00	30.6	1.02	35.1	1.04	40.1	1.07	17
11.0	0.88	13.2	0.91	15.7	0.93	18.2	0.95	21.2	0.97	24.7	1.00	28.7	1.02	33.2	1.04	38.2	1.06	18
8.9	0.87	11.2	0.90	13.7	0.92	16.2	0.94	19.2	0.97	22.7	0.99	26.7	1.02	31.2	1.04	36.2	1.06	19
8.4	0.87	10.6	0.89	13.1	0.92	15.6	0.94	18.6	0.97	22.1	0.99	26.1	1.01	30.6	1.04	35.6	1.06	20
3VX355		**3VX400**		**3VX450**		**3VX500**		**3VX560**		**3VX630**		**3VX710**		**3VX800**		**3VX900**		
13.6	0.89	15.8	0.91	18.3	0.94	20.8	0.96	23.8	0.98	27.3	1.00	31.3	1.02	35.8	1.04	40.8	1.07	21
11.4	0.88	13.7	0.91	16.2	0.93	18.7	0.95	21.7	0.97	25.2	1.00	29.2	1.02	33.7	1.04	38.7	1.06	22
—	—	9.2	0.88	11.8	0.91	14.3	0.94	17.3	0.96	20.8	0.99	24.8	1.01	29.3	1.03	34.3	1.06	23
13.3	0.89	15.6	0.91	18.1	0.93	20.6	0.95	23.6	0.98	27.1	1.00	31.1	1.02	35.6	1.04	40.6	1.07	24
12.9	0.89	15.2	0.91	17.7	0.93	20.2	0.95	23.2	0.98	26.7	1.00	30.7	1.02	35.2	1.04	40.2	1.07	25
3VX355		**3VX400**		**3VX450**		**3VX500**		**3VX560**		**3VX630**		**3VX710**		**3VX800**		**3VX900**		
9.1	0.87	11.3	0.89	13.8	0.92	16.3	0.94	19.3	0.97	22.8	0.99	26.8	1.01	31.3	1.04	36.4	1.06	26
11.8	0.88	14.0	0.91	16.5	0.93	19.0	0.95	22.0	0.97	25.5	1.00	29.5	1.02	34.0	1.04	39.0	1.06	27
12.3	0.88	14.6	0.91	17.1	0.93	19.6	0.95	22.6	0.97	26.1	1.00	30.1	1.02	34.6	1.04	39.6	1.06	28
9.8	0.87	12.0	0.90	14.5	0.92	17.0	0.94	20.0	0.97	23.6	0.99	27.6	1.01	32.1	1.04	37.1	1.06	29
8.6	0.86	10.8	0.89	13.3	0.92	15.9	0.94	18.9	0.96	22.4	0.99	26.4	1.01	30.9	1.04	35.9	1.06	30
3VX355		**3VX400**		**3VX450**		**3VX500**		**3VX560**		**3VX630**		**3VX710**		**3VX800**		**3VX900**		
10.7	0.88	13.0	0.90	15.5	0.93	18.0	0.95	21.0	0.97	24.5	0.99	28.5	1.02	33.0	1.04	38.0	1.06	31
13.4	0.89	15.7	0.91	18.2	0.93	20.7	0.95	23.7	0.98	27.2	1.00	31.2	1.02	35.7	1.04	40.7	1.07	32
11.8	0.88	14.1	0.91	16.6	0.93	19.1	0.95	22.1	0.97	25.6	0.99	29.6	1.02	34.1	1.04	39.1	1.06	33
7.2	0.84	9.5	0.88	12.0	0.91	14.5	0.93	17.5	0.96	21.0	0.98	25.0	1.01	29.5	1.03	34.5	1.06	34
11.6	0.88	13.9	0.90	16.4	0.93	18.9	0.95	21.9	0.97	25.4	0.99	29.4	1.02	33.9	1.04	38.9	1.06	35
3VX475		**3VX530**		**3VX600**		**3VX670**		**3VX750**		**3VX850**		**3VX950**		**3VX1060**		**3VX1180**		
17.2	0.94	20.0	0.96	23.5	0.98	27.0	1.01	31.0	1.03	36.0	1.05	41.0	1.07	46.5	1.09	52.5	1.11	36
14.8	0.93	17.5	0.95	21.0	0.98	24.5	1.00	28.5	1.02	33.5	1.05	38.5	1.07	44.0	1.09	50.0	1.11	37
9.8	0.89	12.6	0.93	16.2	0.96	19.7	0.98	23.7	1.01	28.7	1.04	33.7	1.06	39.2	1.08	45.2	1.10	38
16.5	0.93	19.3	0.96	22.8	0.98	26.3	1.00	30.3	1.03	35.3	1.05	40.3	1.07	45.8	1.09	51.8	1.11	39
19.1	0.94	21.9	0.96	25.4	0.99	28.9	1.01	32.9	1.03	37.9	1.05	42.9	1.07	48.4	1.10	54.4	1.12	40
3VX355		**3VX400**		**3VX450**		**3VX500**		**3VX560**		**3VX630**		**3VX710**		**3VX800**		**3VX900**		
11.7	0.88	13.9	0.90	16.4	0.93	18.9	0.95	21.9	0.97	25.4	0.99	29.4	1.02	33.9	1.04	38.9	1.06	41
12.5	0.88	14.7	0.91	17.2	0.93	19.7	0.95	22.7	0.97	26.2	1.00	30.2	1.02	34.7	1.04	39.7	1.06	42
9.4	0.86	11.6	0.89	14.1	0.92	16.6	0.94	19.6	0.96	23.1	0.99	27.2	1.01	31.7	1.04	36.7	1.06	43
12.0	0.88	14.2	0.90	16.7	0.93	19.3	0.95	22.3	0.97	25.8	0.99	29.8	1.02	34.3	1.04	39.3	1.06	44
11.0	0.87	13.2	0.90	15.7	0.92	18.2	0.94	21.2	0.97	24.7	0.99	28.7	1.01	33.2	1.04	38.2	1.06	45
3VX475		**3VX530**		**3VX600**		**3VX670**		**3VX750**		**3VX850**		**3VX950**		**3VX1060**		**3VX1180**		
13.5	0.92	16.2	0.94	19.7	0.97	23.2	0.99	27.3	1.02	32.3	1.04	37.3	1.07	42.8	1.09	48.8	1.11	46
17.4	0.94	20.1	0.96	23.6	0.98	27.1	1.00	31.1	1.03	36.1	1.05	41.1	1.07	46.6	1.09	52.6	1.11	47
19.2	0.94	21.9	0.96	25.4	0.99	28.9	1.01	32.9	1.03	37.9	1.05	42.9	1.07	48.4	1.09	54.4	1.12	48
10.1	0.89	12.9	0.92	16.4	0.95	20.0	0.98	24.0	1.01	29.0	1.03	34.0	1.06	39.5	1.08	45.5	1.10	49
18.6	0.94	21.3	0.96	24.8	0.99	28.3	1.01	32.3	1.03	37.3	1.05	42.3	1.07	47.8	1.09	53.8	1.11	50
3VX355		**3VX400**		**3VX450**		**3VX500**		**3VX560**		**3VX630**		**3VX710**		**3VX800**		**3VX900**		
11.4	0.87	13.7	0.90	16.2	0.92	18.7	0.95	21.7	0.97	25.2	0.99	29.2	1.02	33.7	1.04	38.7	1.06	51
10.1	0.86	12.4	0.89	14.9	0.92	17.4	0.94	20.4	0.96	23.9	0.99	27.9	1.01	32.4	1.04	37.4	1.06	52
11.8	0.88	14.1	0.90	16.6	0.93	19.1	0.95	22.1	0.97	25.6	0.99	29.6	1.02	34.1	1.04	39.1	1.06	53
9.0	0.85	11.3	0.88	13.8	0.91	16.3	0.93	19.3	0.96	22.8	0.98	26.8	1.01	31.3	1.03	36.3	1.06	54
10.7	0.87	13.0	0.89	15.5	0.92	18.0	0.94	21.0	0.97	24.5	0.99	28.5	1.01	33.0	1.04	38.0	1.06	55
3VX530		**3VX600**		**3VX670**		**3VX750**		**3VX850**		**3VX950**		**3VX1060**		**3VX1180**		**3VX1320**		
19.9	0.96	23.4	0.98	26.9	1.00	30.9	1.02	35.9	1.05	40.9	1.07	46.4	1.09	52.4	1.11	59.4	1.13	56
16.4	0.94	20.0	0.97	23.5	0.99	27.5	1.02	32.5	1.04	37.5	1.06	43.0	1.09	49.0	1.11	56.0	1.13	57
20.9	0.96	24.4	0.98	27.9	1.00	31.9	1.03	36.9	1.05	41.9	1.07	47.4	1.09	53.4	1.11	60.4	1.13	58
—	—	12.4	0.92	15.9	0.95	20.0	0.99	25.1	1.02	30.1	1.04	35.6	1.07	41.6	1.09	48.6	1.12	59
20.0	0.95	23.5	0.98	27.0	1.00	31.0	1.02	36.0	1.05	41.0	1.07	46.5	1.09	52.5	1.11	59.5	1.13	60
3VX560		**3VX630**		**3VX710**		**3VX800**		**3VX900**		**3VX1000**		**3VX1120**		**3VX1250**		**3VX1400**		
14.8	0.93	18.3	0.96	22.4	0.99	26.9	1.02	31.9	1.04	36.9	1.07	42.9	1.09	49.4	1.11	56.9	1.14	61
18.1	0.95	21.6	0.98	25.6	1.00	30.1	1.03	35.1	1.05	40.1	1.07	46.2	1.10	52.7	1.12	60.2	1.14	62
23.0	0.97	26.5	0.99	30.5	1.02	35.0	1.04	40.0	1.06	45.0	1.08	51.0	1.10	57.5	1.12	65.0	1.15	63
21.8	0.97	25.4	0.99	29.4	1.01	33.9	1.04	38.9	1.06	43.9	1.08	49.9	1.10	56.4	1.12	63.9	1.14	64
—	—	—	—	—	—	—	—	—	—	—	—	24.8	1.03	31.4	1.06	39.0	1.10	65
3VX560		**3VX630**		**3VX710**		**3VX800**		**3VX900**		**3VX1000**		**3VX1120**		**3VX1250**		**3VX1400**		
—	—	—	—	—	—	16.2	0.96	21.4	1.00	26.4	1.03	32.5	1.06	39.0	1.09	46.6	1.12	66
22.5	0.97	26.0	0.99	30.0	1.02	34.5	1.04	39.5	1.06	44.5	1.08	50.5	1.10	57.0	1.12	64.5	1.15	67
22.2	0.97	25.7	0.99	29.8	1.01	34.3	1.04	39.3	1.06	44.3	1.08	50.3	1.10	56.8	1.12	64.3	1.14	68
21.1	0.96	24.6	0.99	28.6	1.01	33.1	1.04	38.2	1.06	43.2	1.08	49.2	1.10	55.7	1.12	63.2	1.14	69
20.0	0.96	23.5	0.98	27.5	1.01	32.0	1.03	37.0	1.06	42.0	1.08	48.0	1.10	54.6	1.12	62.1	1.14	70
3VX355		**3VX400**		**3VX450**		**3VX500**		**3VX560**		**3VX630**		**3VX710**		**3VX800**		**3VX900**		
10.4	0.86	12.6	0.89	15.1	0.92	17.6	0.94	20.7	0.96	24.2	0.99	28.2	1.01	32.7	1.03	37.7	1.06	71
12.8	0.88	15.0	0.90	17.5	0.93	20.0	0.95	23.0	0.97	26.5	0.99	30.5	1.02	35.0	1.04	40.0	1.06	72
10.9	0.86	13.2	0.89	15.7	0.92	18.2	0.94	21.2	0.96	24.7	0.99	28.7	1.01	33.2	1.03	38.2	1.06	73
12.0	0.87	14.3	0.90	16.8	0.92	19.3	0.94	22.3	0.97	25.8	0.99	29.8	1.01	34.3	1.04	39.3	1.06	74
11.3	0.87	13.6	0.89	16.1	0.92	18.6	0.94	21.6	0.96	25.1	0.99	29.1	1.01	33.6	1.04	38.6	1.06	75

B

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves		Pitch Diameter		Type		Nominal Driven Speeds and Horsepower per Belt						Center Distance in Inches and "F" Factor for Browning Belts					
								3500 RPM Driver			1750 RPM Driver			Belt No.		Belt No.		Belt No.	
		Min	Max	Driver	Driven	Fix.	Var.	Nominal Driven Speed	HP per Belt Super	HP per Belt Gripnotch	Nominal Driven Speed	HP per Belt Super	HP per Belt Gripnotch	C.D.	F	C.D.	F	C.D.	F
														3VX250		3VX315		3VX355	
1	1.89	1	10	5.60	10.60	X	—	1851	—	12.87	925	—	7.33	—	—	—	—	—	—
2	1.91	1	4	3.60	6.90	X	—	1832	—	7.35	916	—	4.09	—	—	7.3	0.81	9.4	0.85
3	1.92	1	4	2.60	5.00	X	—	1822	—	4.27	911	—	2.40	6.4	0.78	9.7	0.84	11.7	0.87
4	1.93	1	4	3.10	6.00	X	—	1813	—	5.84	906	—	3.25	5.2	0.76	8.5	0.83	10.5	0.86
5	1.95	1	2	2.30	4.50	X	—	1794	—	3.31	897	—	1.88	7.1	0.79	10.4	0.85	12.4	0.87
														3VX250		3VX280		3VX315	
6	1.95	1	4	4.10	8.00	X	—	1794	—	8.82	897	—	4.92	—	—	—	—	—	—
7	1.96	1	4	3.30	6.50	X	—	1785	—	6.45	892	—	3.59	—	—	6.1	0.78	7.9	0.82
8	2.00	1	3	2.50	5.00	X	—	1750	—	3.95	875	—	2.23	6.5	0.78	8.0	0.81	9.8	0.84
9	2.00	1	4	2.80	5.60	X	—	1750	—	4.90	875	—	2.74	5.7	0.77	7.3	0.80	9.0	0.83
10	2.00	1	4	3.00	6.00	X	—	1750	—	5.53	875	—	3.08	5.2	0.76	6.8	0.79	8.6	0.83
														3VX300		3VX375		3VX450	
11	2.00	1	10	5.30	10.60	X	—	1750	—	12.10	875	—	6.86	—	—	—	—	9.7	0.86
12	2.02	1	10	6.90	14.00	X	—	1732	—	15.90	866	—	9.33	—	—	—	—	—	—
13	2.03	1	4	2.60	5.30	X	—	1724	—	4.27	862	—	2.40	8.7	0.82	12.5	0.88	16.2	0.92
14	2.04	1	2	2.20	4.50	X	—	1715	—	2.98	857	—	1.70	9.7	0.83	13.4	0.88	17.2	0.92
15	2.04	1	2	2.30	4.70	X	—	1715	—	3.31	857	—	1.88	9.4	0.83	13.2	0.88	17.0	0.92
														3VX250		3VX300		3VX335	
16	2.09	1	4	3.10	6.50	X	—	1674	—	5.84	837	—	3.25	—	—	7.3	0.80	9.1	0.83
17	2.09	1	4	3.30	6.90	X	—	1674	—	6.45	837	—	3.59	—	—	6.8	0.79	8.6	0.83
18	2.12	1	3	2.50	5.30	X	—	1650	—	3.95	825	—	2.23	6.2	0.77	8.8	0.82	10.5	0.85
19	2.12	1	10	5.00	10.60	X	—	1650	—	11.31	825	—	6.38	—	—	—	—	—	—
20	2.13	1	2	2.20	4.70	X	—	1643	—	2.98	821	—	1.70	7.0	0.79	9.5	0.83	11.3	0.86
														3VX300		3VX375		3VX450	
21	2.14	1	4	2.80	6.00	X	—	1635	—	4.90	817	—	2.74	7.9	0.81	11.7	0.87	15.5	0.91
22	2.15	1	4	2.60	5.60	X	—	1627	—	4.27	813	—	2.40	8.4	0.82	12.2	0.87	16.0	0.91
23	2.15	1	10	6.50	14.00	X	—	1627	—	15.02	813	—	8.73	—	—	—	—	—	—
24	2.16	1	4	3.00	6.50	X	—	1620	—	5.53	810	—	3.08	7.3	0.80	11.2	0.86	14.9	0.91
25	2.17	1	2	2.30	5.00	X	—	1612	—	3.31	806	—	1.88	9.2	0.83	12.9	0.88	16.7	0.92
														3VX250		3VX300		3VX335	
26	2.22	1	4	3.10	6.90	X	—	1576	—	5.84	788	—	3.25	—	—	6.9	0.79	8.7	0.82
27	2.22	1	4	3.60	8.00	X	—	1576	—	7.35	788	—	4.09	—	—	—	—	7.3	0.80
28	2.24	1	3	2.50	5.60	X	—	1562	—	3.95	781	—	2.23	5.9	0.76	8.5	0.82	10.3	0.84
29	2.25	1	10	4.70	10.60	X	—	1555	—	10.50	777	—	5.90	—	—	—	—	—	—
30	2.27	1	2	2.20	5.00	X	—	1541	—	2.98	770	—	1.70	6.7	0.78	9.2	0.83	11.0	0.85
														3VX300		3VX375		3VX450	
31	2.29	1	4	3.00	6.90	X	—	1528	—	5.53	764	—	3.08	7.0	0.79	10.8	0.86	14.6	0.90
32	2.30	1	2	2.30	5.30	X	—	1521	—	3.31	760	—	1.88	8.9	0.82	12.7	0.87	16.5	0.91
33	2.30	1	4	2.60	6.00	X	—	1521	—	4.27	760	—	2.40	8.1	0.81	11.9	0.87	15.7	0.91
34	2.32	1	4	2.80	6.50	X	—	1508	—	4.90	754	—	2.74	7.5	0.80	11.3	0.86	15.1	0.90
35	2.33	1	10	6.00	14.00	X	—	1502	—	13.85	751	—	7.96	—	—	—	—	—	—
														3VX335		3VX400		3VX475	
36	2.35	1	4	4.50	10.60	X	—	1489	—	9.95	744	—	5.58	—	—	—	—	11.5	0.87
37	2.35	1	10	10.60	25.00	X	—	—	—	—	744	—	14.53	—	—	—	—	—	—
38	2.37	1	10	8.00	19.00	X	—	—	—	—	738	—	10.96	—	—	—	—	—	—
39	2.38	3	10	14.00	33.40	X	—	—	—	—	735	—	18.54	—	—	—	—	—	—
40	2.40	1	2	2.20	5.30	X	—	1458	—	2.98	729	—	1.70	10.2	0.84	14.0	0.89	17.8	0.93
														3VX250		3VX280		3VX315	
41	2.40	1	3	2.50	6.00	X	—	1458	—	3.95	729	—	2.23	5.6	0.75	7.1	0.79	8.9	0.82
42	2.42	1	4	3.30	8.00	X	—	1446	—	6.45	723	—	3.59	—	—	—	—	6.5	0.77
43	2.43	1	2	2.30	5.60	X	—	1440	—	3.31	720	—	1.88	6.1	0.76	7.6	0.79	9.4	0.83
44	2.46	1	4	2.80	6.90	X	—	1422	—	4.90	711	—	2.74	—	—	6.0	0.76	7.9	0.80
45	2.50	1	4	2.60	6.50	X	—	1400	—	4.27	700	—	2.40	5.0	0.73	6.6	0.77	8.4	0.81
														3VX280		3VX335		3VX400	
46	2.50	1	10	5.60	14.00	X	—	1400	—	12.87	700	—	7.33	—	—	—	—	—	—
47	2.54	1	2	2.20	5.60	X	—	1377	—	2.98	688	—	1.70	7.7	0.79	10.5	0.84	13.8	0.88
48	2.58	1	4	3.10	8.00	X	—	1356	—	5.84	678	—	3.25	—	—	7.6	0.79	11.0	0.85
49	2.58	1	4	4.10	10.60	X	—	1356	—	8.82	678	—	4.92	—	—	—	—	7.8	0.79
50	2.60	1	2	2.30	6.00	X	—	1346	—	3.31	673	—	1.88	7.2	0.78	10.1	0.83	13.4	0.88
														3VX280		3VX335		3VX400	
51	2.60	1	3	2.50	6.50	X	—	1346	—	3.95	673	—	2.23	6.6	0.77	9.5	0.83	12.8	0.87
52	2.64	1	10	5.30	14.00	X	—	1325	—	12.10	662	—	6.86	—	—	—	—	—	—
53	2.65	1	4	2.60	6.90	X	—	1320	—	4.27	660	—	2.40	6.2	0.76	9.0	0.82	12.4	0.87
54	2.66	1	4	3.00	8.00	X	—	1315	—	5.53	657	—	3.08	—	—	7.7	0.79	11.1	0.85
55	2.72	1	2	2.20	6.00	X	—	1286	—	2.98	643	—	1.70	7.3	0.78	10.1	0.83	13.4	0.88
														3VX335		3VX400		3VX475	
56	2.75	1	10	6.90	19.00	X	—	1272	—	15.90	636	—	9.33	—	—	—	—	—	—
57	2.76	1	3	2.50	6.90	X	—	1268	—	3.95	634	—	2.23	8.6	0.81	12.4	0.87	16.2	0.91
58	2.80	1	10	5.00	14.00	X	—	1250	—	11.31	625	—	6.38	—	—	—	—	—	—
59	2.82	1	2	2.30	6.50	X	—	1241	—	3.31	620	—	1.88	9.1	0.82	12.9	0.87	16.7	0.91
60	2.85	1	4	2.80	8.00	X	—	1228	—	4.90	614	—	2.74	7.3	0.78	11.2	0.85	15.0	0.90
														3VX335		3VX400		3VX475	
61	2.92	1	10	6.50	19.00	X	—	1198	—	15.02	599	—	8.73	—	—	—	—	16.8	0.84
62	2.94	1	4	3.60	10.60	X	—	1190	—	7.35	595	—	4.09	—	—	8.1	0.79	12.1	0.86
63	2.95	1	2	2.20	6.50	X	—	1186	—	2.98	593	—	1.70	9.2	0.81	13.0	0.87	16.8	0.91
64	2.97	1	10	4.70	14.00	X	—	1178	—	10.50	589	—	5.90	—	—	—	—	—	—
65	3.00	1	2	2.30	6.90	X	—	1166	—	3.31	583	—	1.88	8.7	0.81	12.6	0.87	16.4	0.91
														3VX335		3VX400		3VX475	
66	3.07	1	4	2.60	8.00	X	—	1140	—	4.27	570	—	2.40	7.4	0.78	11.4	0.85	15.2	0.90
67	3.11	1	4	4.50	14.00	X	—	1125	—	9.95	562	—	5.58	—	—	—	—	—	—
68	3.12	1	10	8.00	25.00	X	—	—	—	—	560	—	10.96	—	—	—	—	—	—
69	3.13	1	2	2.20	6.90	X	—	1118	—	2.98	559	—	1.70	8.8	0.81	12.6	0.86	16.4	0.91
70	3.15	3	10	10.60	33.40	X	—	—	—	—	555	—	14.53	—	—	—	—	—	—
														3VX335		3VX400		3VX475	
71	3.16	1	10	6.00	19.00	X	—	1107	—	13.85	553	—	7.96	—	—	—	—	—	—
72	3.20	1	3	2.50	8.00	X	—	1093	—	3.95	546	—	2.23	7.5	0.78	11.4	0.85	15.3	0.90
73	3.21	1	4	3.30	10.60	X	—	1090	—	6.45	545	—	3.59	—	—	8.3	0.80	12.3	0.86
74	3.39	1	10	5.60	19.00	X	—	1032	—	12.87	516	—	7.33	—	—	—	—	—	—
75	3.41	1	4	3.10	10.60	X	—	1026	—	5.84	513	—	3.25	—	—	8.4	0.79	12.4	0.86

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts

Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
3VX400		**3VX450**		**3VX500**		**3VX560**		**3VX630**		**3VX710**		**3VX800**		**3VX900**		**3VX1000**		
—	—	9.5	0.86	12.0	0.90	15.1	0.93	18.6	0.96	22.6	0.99	27.2	1.02	32.2	1.04	37.2	1.07	1
11.6	0.88	14.2	0.91	16.7	0.93	19.7	0.96	23.2	0.98	27.2	1.01	31.7	1.03	36.7	1.05	41.7	1.08	2
14.0	0.90	16.5	0.92	19.0	0.94	22.0	0.97	25.5	0.99	29.5	1.01	34.0	1.04	39.0	1.06	44.0	1.08	3
12.8	0.89	15.3	0.91	17.8	0.94	20.8	0.96	24.3	0.98	28.3	1.01	32.8	1.03	37.8	1.06	42.8	1.08	4
14.6	0.90	17.1	0.92	19.6	0.94	22.6	0.97	26.1	0.99	30.1	1.01	34.6	1.04	39.6	1.06	44.6	1.08	5
3VX355		**3VX400**		**3VX450**		**3VX500**		**3VX560**		**3VX630**		**3VX710**		**3VX800**		**3VX900**		
8.0	0.83	10.3	0.86	12.9	0.90	15.4	0.92	18.4	0.95	21.9	0.98	25.9	1.00	30.4	1.03	35.4	1.05	6
9.9	0.85	12.2	0.88	14.7	0.91	17.2	0.93	20.2	0.96	23.8	0.98	27.8	1.01	32.3	1.03	37.3	1.05	7
11.8	0.87	14.1	0.89	16.6	0.92	19.1	0.94	22.1	0.96	25.6	0.99	29.6	1.01	34.1	1.04	39.1	1.06	8
11.1	0.86	13.3	0.89	15.8	0.92	18.4	0.94	21.4	0.96	24.9	0.99	28.9	1.01	33.4	1.03	38.4	1.06	9
10.6	0.86	12.8	0.89	15.4	0.91	17.9	0.94	20.9	0.96	24.4	0.98	28.4	1.01	32.9	1.03	37.9	1.06	10
3VX530		**3VX600**		**3VX670**		**3VX750**		**3VX850**		**3VX950**		**3VX1060**		**3VX1180**		**3VX1320**		
13.8	0.91	17.3	0.95	20.9	0.97	24.9	1.00	29.9	1.03	34.9	1.05	40.4	1.08	46.4	1.10	53.5	1.12	11
—	—	13.1	0.91	16.7	0.94	20.8	0.98	25.8	1.01	30.9	1.04	36.4	1.06	42.4	1.09	49.5	1.11	12
20.3	0.95	23.8	0.98	27.3	1.00	31.3	1.02	36.3	1.05	41.3	1.07	46.8	1.09	52.8	1.11	59.8	1.13	13
21.2	0.96	24.7	0.98	28.2	1.00	32.2	1.02	37.2	1.05	42.2	1.07	47.7	1.09	53.7	1.11	60.7	1.13	14
21.0	0.95	24.5	0.98	28.0	1.00	32.0	1.02	37.0	1.05	42.0	1.07	47.5	1.09	53.5	1.11	60.5	1.13	15
3VX375		**3VX425**		**3VX475**		**3VX530**		**3VX600**		**3VX670**		**3VX750**		**3VX850**		**3VX950**		
11.1	0.86	13.6	0.89	16.1	0.92	18.9	0.94	22.4	0.97	25.9	0.99	29.9	1.02	34.9	1.04	39.9	1.06	16
10.6	0.86	13.1	0.89	15.6	0.92	18.4	0.94	21.9	0.97	25.4	0.99	29.4	1.02	34.4	1.04	39.5	1.06	17
12.5	0.88	15.1	0.90	17.6	0.93	20.3	0.95	23.8	0.98	27.3	1.00	31.3	1.02	36.4	1.05	41.4	1.07	18
—	—	8.5	0.83	11.2	0.87	14.0	0.91	17.5	0.94	21.1	0.97	25.1	1.00	30.1	1.03	35.1	1.05	19
13.3	0.88	15.8	0.91	18.3	0.93	21.0	0.95	24.6	0.98	28.1	1.00	32.1	1.02	37.1	1.05	42.1	1.07	20
3VX530		**3VX600**		**3VX670**		**3VX750**		**3VX850**		**3VX950**		**3VX1060**		**3VX1180**		**3VX1320**		
19.5	0.95	23.0	0.97	26.5	1.00	30.6	1.02	35.6	1.04	40.6	1.07	46.1	1.09	52.1	1.11	59.1	1.13	21
20.0	0.95	23.5	0.97	27.0	1.00	31.0	1.02	36.0	1.05	41.0	1.07	46.5	1.09	52.5	1.11	59.5	1.13	22
—	—	13.4	0.90	17.0	0.94	21.1	0.98	26.1	1.01	31.2	1.04	36.7	1.06	42.7	1.09	49.8	1.11	23
19.0	0.94	22.5	0.97	26.0	0.99	30.0	1.02	35.0	1.04	40.0	1.06	45.5	1.09	51.5	1.11	58.5	1.13	24
20.7	0.95	24.2	0.98	27.7	1.00	31.7	1.02	36.7	1.05	41.7	1.07	47.3	1.09	53.3	1.11	60.3	1.13	25
3VX375		**3VX425**		**3VX475**		**3VX530**		**3VX600**		**3VX670**		**3VX750**		**3VX850**		**3VX950**		
10.7	0.86	13.3	0.89	15.8	0.91	18.6	0.94	22.1	0.97	25.6	0.99	29.6	1.01	34.6	1.04	39.6	1.06	26
9.4	0.84	11.9	0.88	14.5	0.90	17.3	0.93	20.8	0.96	24.3	0.99	28.3	1.01	33.3	1.04	38.3	1.06	27
12.3	0.87	14.8	0.90	17.3	0.92	20.1	0.95	23.6	0.97	27.1	1.00	31.1	1.02	36.1	1.04	41.1	1.07	28
—	—	8.7	0.83	11.4	0.87	14.2	0.91	17.7	0.94	21.3	0.97	25.3	1.00	30.3	1.03	35.4	1.05	29
13.0	0.88	15.5	0.90	18.0	0.93	20.8	0.95	24.3	0.98	27.8	1.00	31.8	1.02	36.8	1.05	41.8	1.07	30
3VX530		**3VX600**		**3VX670**		**3VX750**		**3VX850**		**3VX950**		**3VX1060**		**3VX1180**		**3VX1320**		
18.6	0.94	22.1	0.97	25.7	0.99	29.7	1.01	34.7	1.04	39.7	1.06	45.2	1.08	51.2	1.11	58.2	1.13	31
20.5	0.95	24.0	0.98	27.5	1.00	31.5	1.02	36.5	1.05	41.5	1.07	47.0	1.09	53.0	1.11	60.0	1.13	32
19.7	0.95	23.2	0.97	26.7	0.99	30.7	1.02	35.7	1.04	40.7	1.07	46.2	1.09	52.2	1.11	59.2	1.13	33
19.1	0.94	22.6	0.97	26.1	0.99	30.1	1.02	35.2	1.04	40.2	1.06	45.7	1.09	51.7	1.11	58.7	1.13	34
—	—	13.7	0.90	17.3	0.94	21.4	0.97	26.5	1.01	31.5	1.03	37.1	1.06	43.1	1.09	50.1	1.11	35
3VX560		**3VX630**		**3VX710**		**3VX800**		**3VX900**		**3VX1000**		**3VX1120**		**3VX1250**		**3VX1400**		
15.9	0.92	19.4	0.95	23.4	0.98	28.0	1.01	33.0	1.04	38.0	1.06	44.0	1.08	50.6	1.11	58.1	1.13	36
—	—	—	—	—	—	—	—	—	—	20.8	0.96	27.1	1.01	33.8	1.05	41.4	1.08	37
—	—	—	—	—	—	18.0	0.94	23.2	0.99	28.3	1.02	34.4	1.05	40.9	1.08	48.5	1.11	38
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	31.3	1.03	39
22.1	0.96	25.6	0.98	29.6	1.01	34.1	1.03	39.1	1.06	44.1	1.08	50.1	1.10	56.6	1.12	64.1	1.14	40
3VX355		**3VX400**		**3VX450**		**3VX500**		**3VX560**		**3VX630**		**3VX710**		**3VX800**		**3VX900**		
10.9	0.85	13.2	0.88	15.7	0.91	18.2	0.93	21.3	0.96	24.8	0.98	28.8	1.01	33.3	1.03	38.3	1.05	41
8.6	0.82	10.9	0.86	13.4	0.89	16.0	0.92	19.0	0.94	22.5	0.97	26.5	1.00	31.0	1.02	36.1	1.05	42
11.4	0.86	13.7	0.88	16.2	0.91	18.7	0.93	21.7	0.96	25.2	0.98	29.3	1.01	33.8	1.03	38.8	1.06	43
9.9	0.84	12.2	0.87	14.7	0.90	17.3	0.92	20.3	0.95	23.8	0.98	27.8	1.00	32.3	1.03	37.3	1.05	44
10.4	0.84	12.7	0.87	15.2	0.90	17.7	0.93	20.8	0.95	24.3	0.98	28.3	1.00	32.8	1.03	37.8	1.05	45
3VX475		**3VX530**		**3VX600**		**3VX670**		**3VX750**		**3VX850**		**3VX950**		**3VX1060**		**3VX1180**		
—	—	10.3	0.84	14.0	0.90	17.6	0.94	21.7	0.97	26.8	1.00	31.8	1.03	37.4	1.06	43.4	1.08	46
17.5	0.92	20.3	0.95	23.8	0.97	27.3	1.00	31.3	1.02	36.3	1.04	41.3	1.07	46.8	1.09	52.8	1.11	47
14.8	0.90	17.6	0.93	21.1	0.96	24.7	0.98	28.7	1.01	33.7	1.03	38.7	1.06	44.2	1.08	50.2	1.10	48
11.8	0.87	14.6	0.90	18.2	0.94	21.7	0.97	25.8	0.99	30.8	1.02	35.8	1.05	41.3	1.07	47.3	1.09	49
17.1	0.92	19.9	0.94	23.4	0.97	26.9	0.99	30.9	1.02	35.9	1.04	40.9	1.06	46.4	1.09	52.5	1.11	50
3VX475		**3VX530**		**3VX600**		**3VX670**		**3VX750**		**3VX850**		**3VX950**		**3VX1060**		**3VX1180**		
16.6	0.91	19.3	0.94	22.8	0.97	26.4	0.99	30.4	1.01	35.4	1.04	40.4	1.06	45.9	1.08	51.9	1.11	51
—	—	10.4	0.84	14.2	0.89	17.8	0.93	21.9	0.97	27.0	1.00	32.1	1.03	37.6	1.06	43.6	1.08	52
16.1	0.91	18.9	0.94	22.4	0.96	26.0	0.99	30.0	1.01	35.0	1.04	40.0	1.06	45.5	1.08	51.5	1.10	53
14.9	0.90	17.7	0.93	21.2	0.96	24.7	0.98	28.8	1.01	33.8	1.03	38.8	1.06	44.3	1.08	50.3	1.10	54
17.2	0.92	20.0	0.94	23.5	0.97	27.0	0.99	31.0	1.02	36.0	1.04	41.0	1.06	46.5	1.09	52.5	1.11	55
3VX560		**3VX630**		**3VX710**		**3VX800**		**3VX900**		**3VX1000**		**3VX1120**		**3VX1250**		**3VX1400**		
—	—	—	—	13.9	0.88	18.7	0.94	23.9	0.98	29.0	1.01	35.1	1.05	41.7	1.08	49.3	1.10	56
20.5	0.95	24.0	0.97	28.0	1.00	32.5	1.03	37.6	1.05	42.6	1.07	48.6	1.09	55.1	1.12	62.6	1.14	57
12.3	0.86	16.0	0.91	20.1	0.95	24.7	0.99	29.7	1.02	34.8	1.04	40.8	1.07	47.4	1.09	54.9	1.12	58
21.0	0.95	24.5	0.98	28.5	1.00	33.0	1.03	38.0	1.05	43.0	1.07	49.0	1.09	55.6	1.12	63.1	1.14	59
19.3	0.94	22.9	0.97	26.9	0.99	31.4	1.02	36.4	1.04	41.4	1.07	47.5	1.09	54.0	1.11	61.5	1.14	60
3VX560		**3VX630**		**3VX710**		**3VX800**		**3VX900**		**3VX1000**		**3VX1120**		**3VX1250**		**3VX1400**		
—	—	—	—	14.1	0.88	19.0	0.93	24.2	0.98	29.3	1.01	35.4	1.05	42.0	1.07	49.6	1.10	61
16.5	0.91	20.0	0.95	24.1	0.98	28.6	1.01	33.7	1.03	38.7	1.06	44.7	1.08	51.2	1.10	58.7	1.13	62
21.1	0.95	24.6	0.98	28.6	1.00	33.1	1.03	38.1	1.05	43.1	1.07	49.1	1.09	55.6	1.12	63.1	1.14	63
12.5	0.86	16.2	0.91	20.3	0.95	24.9	0.98	30.0	1.02	35.0	1.04	41.1	1.07	47.6	1.09	55.1	1.12	64
20.6	0.95	24.2	0.97	28.2	1.00	32.7	1.02	37.7	1.05	42.7	1.07	48.7	1.09	55.2	1.11	62.7	1.14	65
3VX560		**3VX630**		**3VX710**		**3VX800**		**3VX900**		**3VX1000**		**3VX1120**		**3VX1250**		**3VX1400**		
19.5	0.94	23.0	0.97	27.0	0.99	31.6	1.02	36.6	1.04	41.6	1.07	47.6	1.09	54.1	1.11	61.6	1.13	66
12.6	0.86	16.3	0.91	20.4	0.95	25.0	0.98	30.1	1.01	35.2	1.04	41.2	1.07	47.7	1.09	55.3	1.12	67
—	—	—	—	—	—	—	—	17.0	0.89	22.5	0.95	28.8	1.00	35.6	1.04	43.3	1.08	68
20.7	0.95	24.2	0.97	28.3	1.00	32.8	1.02	37.8	1.05	42.8	1.07	48.8	1.09	55.3	1.11	62.8	1.14	69
—	—	—	—	—	—	—	—	—	—	—	—	—	—	25.4	0.97	33.5	1.02	70
3VX560		**3VX630**		**3VX710**		**3VX800**		**3VX900**		**3VX1000**		**3VX1120**		**3VX1250**		**3VX1400**		
—	—	—	—	14.4	0.88	19.3	0.93	24.5	0.98	29.7	1.01	35.8	1.04	42.4	1.07	50.0	1.10	71
19.6	0.94	23.1	0.97	27.1	0.99	31.6	1.02	36.7	1.04	41.7	1.07	47.7	1.09	54.2	1.11	61.7	1.13	72
16.7	0.91	20.3	0.94	24.3	0.98	28.9	1.00	33.9	1.03	38.9	1.06	44.9	1.08	51.5	1.10	59.0	1.13	73
—	—	—	—	14.7	0.88	19.5	0.93	24.8	0.97	29.9	1.01	36.1	1.04	42.7	1.07	50.2	1.10	74
16.8	0.91	20.4	0.94	24.5	0.97	29.0	1.00	34.0	1.03	39.1	1.05	45.1	1.08	51.6	1.10	59.1	1.13	75

B

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves		Pitch Diameter		Type		Nominal Driven Speeds and Horsepower per Belt						Center Distance in Inches and "F" Factor for Browning Belts					
								3500 RPM Driver			1750 RPM Driver			Belt No.		Belt No.		Belt No.	
		Min	Max	Driver	Driven	Fix.	Var.	Nominal Driven Speed	HP per Belt Super	HP per Belt Gripnotch	Nominal Driven Speed	HP per Belt Super	HP per Belt Gripnotch	C.D.	F	C.D.	F	C.D.	F
														3VX335		3VX400		3VX475	
1	3.41	1	4	4.10	14.00	X	—	1026	—	8.82	513	—	4.92	—	—	—	—	—	—
2	3.47	1	2	2.30	8.00	X	—	1008	—	3.31	504	—	1.88	7.6	0.77	11.6	0.85	15.4	0.89
3	3.53	1	4	3.00	10.60	X	—	991	—	5.53	495	—	3.08	—	—	8.5	0.79	12.5	0.86
4	3.58	1	10	5.30	19.00	X	—	977	—	12.10	488	—	6.86	—	—	—	—	—	—
5	3.62	1	10	6.90	25.00	X	—	966	—	15.90	483	—	9.33	—	—	—	—	—	—
														3VX335		3VX400		3VX475	
6	3.63	1	2	2.20	8.00	X	—	964	—	2.98	482	—	1.70	7.7	0.77	11.6	0.85	15.5	0.89
7	3.78	1	4	2.80	10.60	X	—	925	—	4.90	462	—	2.74	—	—.	8.6	0.79	12.6	0.86
8	3.80	1	10	5.00	19.00	X	—	921	—	11.31	460	—	6.38	—	—	—	—	—	—
9	3.84	1	10	6.50	25.00	X	—	911	—	15.02	455	—	8.73	—	—	—	—	—	—
10	3.88	1	4	3.60	14.00	X	—	902	—	7.35	451	—	4.09	—	—	—	—	—	—
														3VX335		3VX400		3VX475	
11	4.04	1	10	4.70	19.00	X	—	866	—	10.50	433	—	5.90	—	—	—	—	—	—
12	4.07	1	4	2.60	10.60	X	—	859	—	4.27	429	—	2.40	—	—	8.7	0.79	12.8	0.85
13	4.16	1	10	6.00	25.00	X	—	841	—	13.85	420	—	7.96	—	—	—	—	—	—
14	4.17	3	10	8.00	33.40	X	—	—	—	—	419	—	10.96	—	—	—	—	—	—
15	4.22	1	4	4.50	19.00	X	—	829	—	9.95	414	—	5.58	—	—	—	—	—	—
							—							3VX335		3VX400		3VX475	
16	4.24	1	3	2.50	10.60	X	—	825	—	3.95	412	—	2.23	—	—	8.8	0.79	12.8	0.85
17	4.24	1	4	3.30	14.00	X	—	825	—	6.45	412	—	3.59	—	—	—	—	—	—
18	4.46	1	10	5.60	25.00	X	—	784	—	12.87	392	—	7.33	—	—	—	—	—	—
19	4.51	1	4	3.10	14.00	X	—	776	—	5.84	388	—	3.25	—	—	—	—	—	—
20	4.60	1	2	2.30	10.60	X	—	760	—	3.31	380	—	1.88	—	—	8.9	0.78	13.0	0.85
							—							3VX335		3VX400		3VX475	
21	4.63	1	4	4.10	19.00	X	—	755	—	8.82	377	—	4.92	—	—	—	—	—	—
22	4.66	1	4	3.00	14.00	X	—	751	—	5.53	375	—	3.08	9.5	0.70	—	—	—	—
23	4.71	1	10	5.30	25.00	X	—	743	—	12.10	371	—	6.86	—	—	—	—	—	—
24	4.81	1	2	2.20	10.60	X	—	727	—	2.98	363	—	1.70	—	—	9.0	0.78	13.0	0.85
25	4.84	3	10	6.90	33.40	X	—	723	—	15.90	361	—	9.33	—	—	—	—	—	—
							—							3VX335		3VX400		3VX475	
26	5.00	1	4	2.80	14.00	X	—	700	—	4.90	350	—	2.74	10.7	0.73	—	—	8.8	0.73
27	5.00	1	10	5.00	25.00	X	—	700	—	11.31	350	—	6.38	—	—	—	—	—	—
28	5.13	3	10	6.50	33.40	X	—	682	—	15.02	341	—	8.73	—	—	—	—	—	—
29	5.27	1	4	3.60	19.00	X	—	664	—	7.35	332	—	4.09	—	—	—	—	—	—
30	5.31	1	10	4.70	25.00	X	—	659	—	10.50	329	—	5.90	—	—	—	—	—	—
							—							3VX335		3VX400		3VX475	
31	5.38	1	4	2.60	14.00	X	—	650	—	4.27	325	—	2.40	12.1	0.75	—	—	9.0	0.73
32	5.55	1	4	4.50	25.00	X	—	630	—	9.95	315	—	5.58	—	—	—	—	—	—
33	5.56	3	10	6.00	33.40	X	—	629	—	13.85	314	—	7.96	—	—	—	—	—	—
34	5.60	1	3	2.50	14.00	X	—	625	—	3.95	312	—	2.23	12.9	0.76	—	—	9.0	0.73
35	5.75	1	4	3.30	19.00	X	—	608	—	6.45	304	—	3.59	—	—	—	—	—	—
														3VX335		3VX400		3VX475	
36	5.96	3	10	5.60	33.40	X	—	587	—	12.87	293	—	7.33	—	—	—	—	—	—
37	6.08	1	2	2.30	14.00	X	—	575	—	3.31	287	—	1.88	14.9	0.77	—	—	9.1	0.73
38	6.09	1	4	4.10	25.00	X	—	574	—	8.82	287	—	4.92	—	—	—	—	—	—
39	6.12	1	4	3.10	19.00	X	—	571	—	5.84	285	—	3.25	—	—	—	—	—	—
40	6.30	3	10	5.30	33.40	X	—	555	—	12.10	277	—	6.86	—	—	—	—	—	—
														3VX335		3VX400		3VX475	
41	6.33	1	4	3.00	19.00	X	—	552	—	5.53	276	—	3.08	—	—	—	—	—	—
42	6.36	1	2	2.20	14.00	X	—	550	—	2.98	275	—	1.70	16.0	0.78	—	—	9.2	0.73
43	6.68	3	10	5.00	33.40	X	—	523	—	11.31	261	—	6.38	—	—	—	—	—	—
44	6.78	1	4	2.80	19.00	X	—	516	—	4.90	258	—	2.74	—	—	—	—	—	—
45	6.94	1	4	3.60	25.00	X	—	504	—	7.35	252	—	4.09	—	—	—	—	—	—
							—							3VX335		3VX400		3VX475	
46	7.10	3	10	4.70	33.40	X	—	492	—	10.50	246	—	5.90	—	—	—	—	—	—
47	7.30	1	4	2.60	19.00	X	—	479	—	4.27	239	—	2.40	—	—	—	—	—	—
48	7.42	3	4	4.50	33.40	X	—	471	—	9.95	235	—	5.58	—	—	—	—	—	—
49	7.57	1	4	3.30	25.00	X	—	462	—	6.45	231	—	3.59	—	—	—	—	—	—
50	7.60	1	3	2.50	19.00	X	—	460	—	3.95	230	—	2.23	—	—	—	—	—	—
							—							3VX335		3VX400		3VX475	
51	8.06	1	4	3.10	25.00	X	—	434	—	5.84	217	—	3.25	—	—	—	—	—	—
52	8.14	3	4	4.10	33.40	X	—	429	—	8.82	214	—	4.92	—	—	—	—	—	—
53	8.26	1	2	2.30	19.00	X	—	423	—	3.31	211	—	1.88	—.	—	—	—	—	—
54	8.33	1	4	3.00	25.00	X	—	420	—	5.53	210	—	3.08	—	—	—	—	—	—
55	8.63	1	2	2.20	19.00	X	—	405	—	2.98	202	—	1.70	—	—	—	—	—	—
							—							3VX335		3VX400		3VX475	
56	8.92	1	4	2.80	25.00	X	—	392	—	4.90	196	—	2.74	—	—	—	—	—	—
57	9.27	3	4	3.60	33.40	X	—	377	—	7.35	188	—	4.09	—	—	—	—	—	—
58	9.61	1	4	2.60	25.00	X	—	364	—	4.27	182	—	2.40	—	—	—	—	—	—
59	10.00	1	3	2.50	25.00	X	—	350	—	3.95	175	—	2.23	—	—	—	—	—	—
60	10.12	3	4	3.30	33.40	X	—	345	—	6.45	172	—	3.59	—	—	—	—	—	—
														3VX335		3VX400		3VX475	
61	10.77	3	4	3.10	33.40	X	—	324	—	5.84	162	—	3.25	—	—	—	—	—	—
62	10.86	1	2	2.30	25.00	X	—	322	—	3.31	161	—	1.88	—	—	—	—	—	—
63	11.13	3	4	3.00	33.40	X	—	314	—	5.53	157	—	3.08	—	—	—	—	—	—
64	11.36	1	2	2.20	25.00	X	—	308	—	2.98	154	—	1.70	—	—	—	—	—	—
65	11.92	3	4	2.80	33.40	X	—	293	—	4.90	146	—	2.74	—	—	—	—	—	—

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts

Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
3VX560		3VX630		3VX710		3VX800		3VX900		3VX1000		3VX1120		3VX1250		3VX1400		
12.8	0.86	16.6	0.91	20.7	0.95	25.3	0.98	30.4	1.01	35.4	1.04	41.5	1.07	48.0	1.09	55.6	1.12	1
19.7	0.94	23.2	0.96	27.3	0.99	31.8	1.02	36.8	1.04	41.8	1.06	47.8	1.09	54.3	1.11	61.8	1.13	2
16.9	0.91	20.5	0.94	24.5	0.97	29.1	1.00	34.1	1.03	39.1	1.05	45.2	1.08	51.7	1.10	59.2	1.13	3
—	—	—	—	14.9	0.88	19.7	0.93	25.0	0.97	30.1	1.01	36.3	1.04	42.9	1.07	50.5	1.10	4
—	—	—	—	—	—	—	—	17.7	0.89	23.2	0.95	29.6	1.00	36.3	1.04	44.0	1.07	5
3VX560		3VX630		3VX710		3VX800		3VX900		3VX1000		3VX1120		3VX1250		3VX1400		
19.8	0.94	23.3	0.96	27.3	0.99	31.9	1.02	36.9	1.04	41.9	1.06	47.9	1.09	54.4	1.11	61.9	1.13	6
17.0	0.91	20.6	0.94	24.7	0.97	29.2	1.00	34.3	1.03	39.3	1.05	45.3	1.08	51.8	1.10	59.4	1.13	7
—	—	—	—	15.0	0.87	19.9	0.93	25.2	0.97	30.4	1.01	36.5	1.04	43.1	1.07	50.7	1.10	8
—	—	—	—	—	—	—	—	17.9	0.88	23.5	0.95	29.8	1.00	36.6	1.04	44.3	1.07	9
13.2	0.85	16.9	0.90	21.0	0.94	25.7	0.98	30.7	1.01	35.8	1.04	41.9	1.06	48.4	1.09	55.9	1.12	10
3VX560		3VX630		3VX710		3VX800		3VX900		3VX1000		3VX1120		3VX1250		3VX1400		
—	—	—	—	15.2	0.87	20.1	0.93	25.4	0.97	30.6	1.01	36.7	1.04	43.3	1.07	50.9	1.10	11
17.2	0.91	20.8	0.94	24.8	0.97	29.4	1.00	34.4	1.03	39.4	1.05	45.5	1.08	52.0	1.10	59.5	1.13	12
—	—	—	—	—	—	—	—	18.2	0.88	23.0	0.95	30.2	0.99	36.9	1.03	44.7	1.07	13
—	—	—	—	—	—	32.3	0.91	—	—	—	—	—	—	27.0	0.96	35.2	1.01	14
—	—	—	—	15.4	0.87	20.3	0.92	25.5	0.97	30.7	1.00	36.8	1.04	43.4	1.07	51.0	1.10	15
3VX560		3VX630		3VX710		3VX800		3VX900		3VX1000		3VX1120		3VX1250		3VX1400		
17.2	0.91	20.8	0.94	24.9	0.97	29.4	1.00	34.5	1.03	39.5	1.05	45.5	1.08	52.1	1.10	59.6	1.13	16
13.4	0.85	17.1	0.90	21.2	0.94	25.9	0.98	31.0	1.01	36.0	1.04	42.1	1.06	48.6	1.09	56.2	1.11	17
—	—	—	—	—	—	—	—	18.5	0.88	24.0	0.94	30.4	0.99	37.2	1.03	44.9	1.07	18
13.5	0.85	17.2	0.90	21.4	0.94	26.0	0.98	31.1	1.01	36.2	1.04	42.2	1.06	48.8	1.09	56.3	1.11	19
17.4	0.91	21.0	0.94	25.0	0.97	29.6	1.00	34.6	1.03	39.7	1.05	45.7	1.08	52.2	1.10	59.7	1.12	20
3VX560		3VX630		3VX710		3VX800		3VX900		3VX1000		3VX1120		3VX1250		3VX1400		
—	—	—	—	15.6	0.87	20.5	0.92	25.8	0.97	31.0	1.00	37.1	1.04	43.7	1.07	51.3	1.10	21
13.5	0.85	17.3	0.90	21.5	0.94	26.1	0.98	31.2	1.01	36.2	1.03	42.3	1.06	48.8	1.09	56.4	1.11	22
—	—	—	—	—	—	—	—	18.7	0.88	24.2	0.94	30.6	0.99	37.4	1.03	45.1	1.07	23
17.4	0.90	21.0	0.94	21.5	0.97	29.7	1.00	34.7	1.03	39.7	1.05	45.8	1.08	52.3	1.10	59.8	1.12	24
—	—	—	—	—	—	—	—	—	—	—	—	—	—	27.7	0.95	35.9	1.01	25
3VX560		3VX630		3VX710		3VX800		3VX900		3VX1000		3VX1120		3VX1250		3VX1400		
13.7	0.85	17.4	0.90	21.6	0.94	26.2	0.97	31.3	1.01	36.4	1.03	42.4	1.06	49.0	1.09	56.5	1.11	26
—	—	—	—	—	—	—	—	18.8	0.88	24.4	0.94	30.8	0.99	37.6	1.03	45.3	1.07	27
—	—	—	—	—	—	—	—	—	—	—	—	20.4	0.84	28.0	0.95	36.2	1.01	28
—	—	—	—	15.9	0.86	20.8	0.92	26.1	0.97	31.3	1.00	37.5	1.03	44.1	1.06	51.7	1.09	29
—	—	—	—	—	—	—	—	19.0	0.87	24.6	0.94	31.0	0.99	37.8	1.03	45.6	1.07	30
3VX560		3VX630		3VX710		3VX800		3VX900		3VX1000		3VX1120		3VX1250		3VX1400		
13.8	0.85	17.5	0.90	21.7	0.94	26.4	0.97	31.5	1.01	36.5	1.03	42.6	1.06	49.1	1.09	56.7	1.11	31
—	—	—	—	—	—	—	—	19.1	0.87	24.7	0.94	31.2	0.99	38.0	1.03	45.7	1.07	32
—	—	—	—	—	—	—	—	—	—	—	—	20.7	0.84	28.3	0.95	36.5	1.01	33
13.9	0.85	17.6	0.90	21.8	0.94	26.4	0.97	31.5	1.01	36.6	1.03	42.7	1.06	49.2	1.09	56.8	1.11	34
—	—	—	—	16.1	0.86	21.0	0.92	26.3	0.96	31.5	1.00	37.7	1.03	44.3	1.06	51.9	1.09	35
3VX560		3VX630		3VX710		3VX800		3VX900		3VX1000		3VX1120		3VX1250		3VX1400		
—	—	—	—	—	—	—	—	—	—	—	—	20.9	0.84	28.5	0.95	36.8	1.01	36
14.0	0.85	17.7	0.89	21.9	0.94	26.6	0.97	31.7	1.00	36.7	1.03	42.8	1.06	49.4	1.09	56.9	1.11	37
15.2	0.73	—	—	—	—	—	—	19.4	0.87	25.0	0.94	31.4	0.99	38.2	1.03	46.0	1.06	38
—	—	11.5	0.74	16.2	0.86	21.2	0.92	26.5	0.96	31.7	1.00	37.8	1.03	44.4	1.06	52.0	1.09	39
—	—	—	—	—	—	—	—	—	—	—	—	21.1	0.83	28.7	0.95	37.0	1.01	40
3VX560		3VX630		3VX710		3VX800		3VX900		3VX1000		3VX1120		3VX1250		3VX1400		
—	—	11.6	0.74	16.3	0.86	21.2	0.92	26.5	0.96	31.7	1.00	37.9	1.03	44.5	1.06	52.1	1.09	41
14.1	0.85	17.8	0.89	22.0	0.94	26.6	0.97	31.7	1.00	36.8	1.03	42.9	1.06	49.4	1.09	57.0	1.11	42
—	—	—	—	—	—	—	—	—	—	—	—	21.3	0.83	28.9	0.95	37.2	1.01	43
—	—	11.7	0.74	16.4	0.86	21.4	0.92	26.7	0.96	31.9	1.00	38.0	1.03	44.7	1.06	52.3	1.09	44
17.6	0.77	—	—	—	—	—	—	19.7	0.87	25.3	0.94	31.8	0.99	38.6	1.03	46.3	1.06	45
3VX560		3VX630		3VX710		3VX800		3VX900		3VX1000		3VX1120		3VX1250		3VX1400		
—	—	—	—	—	—	—	—	—	—	—	—	21.4	0.83	29.1	0.95	37.3	1.00	46
—	—	11.8	0.74	16.5	0.86	21.5	0.92	26.8	0.96	32.0	1.00	38.2	1.03	44.8	1.06	52.4	1.09	47
—	—	—	—	—	—	—	—	—	—	—	—	21.6	0.83	29.2	0.95	37.5	1.00	48
19.2	0.79	—	—	—	—	—	—	19.9	0.87	25.5	0.94	31.9	0.99	38.8	1.03	46.5	1.06	49
—	—	11.9	0.74	16.6	0.86	21.6	0.92	26.9	0.96	32.1	1.00	38.2	1.03	44.9	1.06	52.5	1.09	50
3VX560		3VX630		3VX710		3VX800		3VX900		3VX1000		3VX1120		3VX1250		3VX1400		
20.4	0.80	—	—	—	—	—	—	20.0	0.87	25.6	0.94	32.1	0.98	38.9	1.02	46.7	1.06	51
—	—	—	—	—	—	—	—	—	—	—	—	21.8	0.83	29.5	0.94	37.7	1.00	52
—	—	12.0	0.74	16.7	0.86	21.7	0.91	27.0	0.96	32.2	1.00	38.4	1.03	45.0	1.06	52.6	1.09	53
21.0	0.81	—	—	—	—	—	—	20.1	0.87	25.7	0.93	32.1	0.98	39.0	1.02	46.7	1.06	54
—	—	12.0	0.74	16.8	0.86	21.7	0.91	27.1	0.96	32.3	1.00	38.4	1.03	45.1	1.06	52.7	1.09	55
3VX560		3VX630		3VX710		3VX800		3VX900		3VX1000		3VX1120		3VX1250		3VX1400		
22.4	0.82	—	—	—	—	—	—	20.2	0.87	25.8	0.93	32.3	0.98	39.1	1.02	46.9	1.06	56
—	—	—	—	—	—	—	—	—	—	—	—	22.1	0.83	29.8	0.94	38.1	1.00	57
23.9	0.83	—	—	—	—	—	—	20.3	0.86	25.9	0.93	32.4	0.98	39.2	1.02	47.0	1.06	58
24.7	0.84	—	—	—	—	14.2	0.72	20.4	0.86	26.0	0.93	32.5	0.98	39.3	1.02	47.1	1.06	59
—	—	—	—	—	—	—	—	—	—	—	—	22.3	0.83	30.0	0.94	38.2	1.00	60
3VX560		3VX630		3VX710		3VX800		3VX900		3VX1000		3VX1120		3VX1250		3VX1460		
—	—	—	—	—	—	—	—	—	—	—	—	22.4	0.83	30.1	0.94	38.4	1.00	61
26.5	0.84	—	—	—	—	14.3	0.72	20.5	0.86	26.1	0.93	32.6	0.98	39.4	1.02	47.2	1.06	62
—	—	—	—	18.8	0.70	—	—	—	—	—	—	22.4	0.83	30.1	0.94	38.4	1.00	63
27.4	0.85	—	—	—	—	14.4	0.72	20.5	0.86	26.2	0.93	32.7	0.98	39.5	1.02	47.3	1.06	64
—	—	—	—	19.5	0.71	—	—	—	—	—	—	22.6	0.83	30.3	0.94	38.6	1.00	65

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Pitch Diameter Driver	Pitch Diameter Driven	Type Fix.	Type Var.	Nominal Driven Speeds and Horsepower per Belt — 1750 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	1160 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	Center Distance in Inches and "F" Factor for Browning Belts: Belt No. C.D.	F	Belt No. C.D.	F	Belt No. C.D.	F
														5VX500		5VX600		5VX710	
1	1.00	1	6	4.3	4.3	X	—	1750	—	8.23	1160	—	5.90	18.2	0.86	23.2	0.89	28.7	0.91
2	1.00	1	6	4.5	4.5	X	—	1750	—	9.16	1160	—	6.54	17.9	0.86	22.9	0.89	28.4	0.91
3	1.00	1	4	4.7	4.7	X	—	1750	—	10.09	1160	—	7.19	17.6	0.86	22.6	0.89	28.1	0.91
4	1.00	2	6	4.8	4.8	X	—	1750	—	10.55	1160	—	7.51	17.5	0.86	22.5	0.89	28.0	0.91
5	1.00	1	4	4.9	4.9	X	—	1750	—	11.02	1160	—	7.83	17.3	0.86	22.3	0.89	27.8	0.91
														5VX500		5VX600		5VX710	
6	1.00	1	6	5.1	5.1	X	—	1750	—	11.93	1160	—	8.46	17.0	0.86	22.0	0.89	27.5	0.91
7	1.00	1	4	5.3	5.3	X	—	1750	—	12.85	1160	—	9.10	16.7	0.86	21.7	0.89	27.2	0.91
8	1.00	2	6	5.4	5.4	X	—	1750	—	13.30	1160	—	9.42	16.5	0.86	21.5	0.89	27.0	0.91
9	1.00	1	4	5.5	5.5	X	—	1750	—	13.75	1160	—	9.73	16.4	0.86	21.4	0.89	26.9	0.91
10	1.00	1	4	5.7	5.7	X	—	1750	—	14.66	1160	—	10.36	16.1	0.86	21.1	0.89	26.6	0.91
														5VX500		5VX600		5VX710	
11	1.00	2	6	5.8	5.8	X	—	1750	—	15.11	1160	—	10.68	15.9	0.86	20.9	0.89	26.4	0.91
12	1.00	1	4	5.9	5.9	X	—	1750	—	15.56	1160	—	10.99	15.7	0.86	20.7	0.89	26.2	0.91
13	1.00	1	4	6.1	6.1	X	—	1750	—	16.45	1160	—	11.62	15.4	0.86	20.4	0.89	25.9	0.91
14	1.00	2	6	6.2	6.2	X	—	1750	—	16.89	1160	—	11.93	15.3	0.86	20.3	0.89	25.8	0.91
15	1.00	1	4	6.3	6.3	X	—	1750	—	17.34	1160	—	12.24	15.1	0.86	20.1	0.89	25.6	0.91
														5VX500		5VX600		5VX710	
16	1.00	1	4	6.5	6.5	X	—	1750	—	18.22	1160	—	12.86	14.8	0.86	19.8	0.89	25.3	0.91
17	1.00	2	6	6.6	6.6	X	—	1750	—	18.66	1160	—	13.17	14.6	0.86	19.6	0.89	25.1	0.91
18	1.00	1	4	6.7	6.7	X	—	1750	—	19.10	1160	—	13.48	14.5	0.86	19.5	0.89	25.0	0.91
19	1.00	1	4	6.9	6.9	X	—	1750	—	19.97	1160	—	14.10	14.2	0.86	19.2	0.89	24.7	0.91
20	1.00	2	8	7.0	7.0	X	X	1750	15.60	20.41	1160	11.42	14.40	14.0	0.86	19.0	0.89	24.5	0.91
														5VX500		5VX600		5VX710	
21	1.00	1	4	7.1	7.1	X	—	1750	16.01	20.84	1160	11.71	14.71	13.9	0.86	18.9	0.89	24.4	0.91
22	1.00	2	8	7.4	7.4	X	X	1750	17.22	22.13	1160	12.60	15.63	13.4	0.86	18.4	0.89	23.9	0.91
23	1.00	1	4	7.5	7.5	X	—	1750	17.62	22.56	1160	12.90	15.93	13.2	0.86	18.2	0.89	23.7	0.91
24	1.00	2	10	7.9	7.9	X	—	1750	19.21	24.26	1160	14.07	17.15	12.6	0.86	17.6	0.89	23.1	0.91
25	1.00	1	4	8.1	8.1	X	—	1750	19.99	25.10	1160	14.65	17.75	12.3	0.86	17.3	0.89	22.8	0.91
														5VX500		5VX600		5VX710	
26	1.00	2	10	8.4	8.4	X	X	1750	21.15	26.35	1160	15.52	18.65	11.8	0.86	16.8	0.89	22.3	0.91
27	1.00	1	4	8.7	8.7	X	—	1750	22.29	27.59	1160	16.38	19.55	11.3	0.86	16.3	0.89	21.8	0.91
28	1.00	2	10	8.9	8.9	X	—	1750	23.04	28.41	1160	16.95	20.14	11.0	0.86	16.0	0.89	21.5	0.91
29	1.00	1	4	9.1	9.1	X	—	1750	23.78	29.23	1160	17.52	20.74	10.7	0.86	15.7	0.89	21.2	0.91
30	1.00	2	10	9.2	9.2	X	—	1750	24.15	29.63	1160	17.80	21.03	10.6	0.86	15.6	0.89	21.1	0.91
														5VX500		5VX600		5VX710	
31	1.00	1	4	9.5	9.5	X	X	1750	25.24	30.84	1160	18.65	21.92	—	—	15.1	0.89	20.6	0.91
32	1.00	2	10	9.7	9.7	X	—	1750	25.95	31.63	1160	19.21	22.50	—	—	14.8	0.89	20.3	0.91
33	1.00	2	10	10.2	10.2	X	—	1750	27.70	33.60	1160	20.59	23.96	—	—	14.0	0.89	19.5	0.91
34	1.00	2	10	10.8	10.8	X	—	1750	29.73	35.91	1160	22.22	25.69	—	—	13.0	0.89	18.5	0.91
35	1.00	1	4	11.1	11.1	X	—	1750	30.71	37.04	1160	23.03	26.54	—	—	12.6	0.89	18.1	0.91
														5VX500		5VX600		5VX710	
36	1.00	2	10	11.2	11.2	X	—	1750	31.03	37.42	1160	23.29	26.83	—	—	12.4	0.89	17.9	0.91
37	1.00	2	10	11.7	11.7	X	—	1750	32.60	39.26	1160	24.61	28.24	—	—	—	—	17.1	0.91
38	1.00	2	10	12.4	12.4	X	—	1750	34.70	41.78	1160	26.43	30.19	—	—	—	—	16.0	0.91
39	1.00	1	4	12.5	12.5	X	X	1750	34.99	42.14	1160	26.68	30.47	—	—	—	—	15.9	0.91
40	1.00	2	10	13.1	13.1	X	—	1750	36.67	44.22	1160	28.20	32.12	—	—	—	—	14.9	0.91
														5VX500		5VX600		5VX710	
41	1.00	1	4	13.7	13.7	X	—	1750	38.25	46.23	1160	29.68	33.74	—	—	—	—	—	—
42	1.00	2	10	13.9	13.9	X	—	1750	38.75	46.89	1160	30.17	34.28	—	—	—	—	—	—
43	1.00	2	10	14.9	14.9	X	—	—	—	—	1160	32.55	36.92	—	—	—	—	—	—
44	1.00	1	4	15.5	15.5	X	—	—	—	—	1160	33.93	38.48	—	—	—	—	—	—
45	1.00	2	10	15.9	15.9	X	—	—	—	—	1160	34.83	39.50	—	—	—	—	—	—
														5VX560		5VX750		5VX900	
46	1.00	1	4	16.1	16.1	X	—	—	—	—	1160	35.28	40.01	—	—	—	—	19.7	0.95
47	1.00	1	4	18.5	18.5	X	—	—	—	—	1160	40.27	45.89	—	—	—	—	—	—
48	1.00	2	10	18.6	18.6	X	—	—	—	—	1160	40.47	46.12	—	—	—	—	—	—
49	1.00	1	4	20.1	20.1	X	—	—	—	—	1160	43.24	49.57	—	—	—	—	—	—
50	1.00	2	10	21.1	21.1	X	—	—	—	—	1160	44.94	51.76	—	—	—	—	—	—
														5VX500		5VX600		5VX710	
51	1.01	2	4	5.3	5.4	X	—	1732	—	12.99	1148	—	9.19	16.6	0.85	21.6	0.88	27.1	0.91
52	1.01	2	4	5.4	5.5	X	—	1732	—	13.44	1148	—	9.51	16.4	0.85	21.4	0.88	26.9	0.91
53	1.01	2	4	5.7	5.8	X	—	1732	—	14.80	1148	—	10.46	16.0	0.85	21.0	0.88	26.5	0.91
54	1.01	2	4	5.8	5.9	X	—	1732	—	15.25	1148	—	10.77	15.8	0.85	20.8	0.88	26.3	0.91
55	1.01	2	4	6.1	6.2	X	—	1732	—	16.59	1148	—	11.71	15.3	0.85	20.3	0.88	25.8	0.91
														5VX500		5VX600		5VX710	
56	1.01	2	4	6.2	6.3	X	—	1732	—	17.03	1148	—	12.02	15.2	0.85	20.2	0.88	25.7	0.91
57	1.01	2	4	6.5	6.6	X	—	1732	—	18.36	1148	—	12.95	14.7	0.85	19.7	0.88	25.2	0.91
58	1.01	2	4	6.6	6.7	X	—	1732	—	18.80	1148	—	13.26	14.6	0.85	19.6	0.88	25.1	0.91
59	1.01	2	4	6.9	7.0	X	—	1732	—	20.11	1148	—	14.19	14.1	0.85	19.1	0.88	24.6	0.91
60	1.01	2	4	7.0	7.1	X	X	1732	15.60	20.55	1148	11.42	14.50	13.9	0.85	18.9	0.88	24.4	0.91
														5VX500		5VX600		5VX710	
61	1.01	2	4	7.4	7.5	X	X	1732	17.22	22.27	1148	12.60	15.72	13.3	0.85	18.3	0.88	23.8	0.91
62	1.01	2	4	9.1	9.2	X	—	1732	23.78	29.37	1148	17.52	20.83	10.6	0.85	15.6	0.88	21.1	0.91
63	1.01	2	4	13.7	13.9	X	—	1732	38.25	46.37	1148	29.68	33.83	—	—	—	—	—	—
64	1.01	2	4	15.9	16.1	X	—	—	—	—	1148	34.83	39.60	—	—	—	—	—	—
65	1.02	2	4	4.7	4.8	X	—	1715	—	10.23	1137	—	7.28	17.5	0.85	22.5	0.88	28.0	0.91
														5VX500		5VX600		5VX710	
66	1.02	2	4	4.8	4.9	X	—	1715	—	10.69	1137	—	7.60	17.4	0.85	22.4	0.88	27.9	0.91
67	1.02	1	4	6.7	6.9	X	—	1715	—	19.24	1137	—	13.57	14.3	0.85	19.3	0.88	24.8	0.91
68	1.02	1	4	6.9	7.1	X	—	1715	—	20.11	1137	—	14.19	14.0	0.85	19.0	0.88	24.5	0.91
69	1.02	2	4	7.9	8.1	X	—	1715	19.38	24.40	1137	14.18	17.24	12.4	0.85	17.4	0.88	22.9	0.91
70	1.02	2	4	8.7	8.9	X	—	1715	22.46	27.73	1137	16.50	19.64	11.2	0.85	16.2	0.88	21.7	0.91
														5VX500		5VX600		5VX710	
71	1.02	2	4	8.9	9.1	X	—	1715	23.21	28.55	1137	17.07	20.24	10.9	0.85	15.9	0.88	21.4	0.91
72	1.02	2	4	9.5	9.7	X	X	1715	25.41	30.98	1137	18.76	22.01	—	—	14.9	0.88	20.4	0.91
73	1.02	2	4	10.8	11.1	X	—	1715	29.90	36.05	1137	22.33	25.78	—	—	12.8	0.88	18.3	0.91
74	1.02	2	4	15.5	15.9	X	—	—	—	—	1137	34.04	38.57	—	—	—	—	—	—
75	1.03	1	4	5.1	5.3	X	—	1699	—	12.21	1126	—	8.65	16.8	0.85	21.8	0.88	27.3	0.91

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts

Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
33.2	0.93	38.2	0.95	43.2	0.97	49.2	0.99	55.7	1.00	63.2	1.02	73.2	1.04	83.2	1.06	93.2	1.08	1
32.9	0.93	37.9	0.95	42.9	0.97	48.9	0.99	55.4	1.00	62.9	1.02	72.9	1.04	82.9	1.06	92.9	1.08	2
32.6	0.93	37.6	0.95	42.6	0.97	48.6	0.99	55.1	1.00	62.6	1.02	72.6	1.04	82.6	1.06	92.6	1.08	3
32.5	0.93	37.5	0.95	42.5	0.97	48.5	0.99	55.0	1.00	62.5	1.02	72.5	1.04	82.5	1.06	92.5	1.08	4
32.3	0.93	37.3	0.95	42.3	0.97	48.3	0.99	54.8	1.00	62.3	1.02	72.3	1.04	82.3	1.06	92.3	1.08	5
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
32.0	0.93	37.0	0.95	42.0	0.97	48.0	0.99	54.5	1.00	62.0	1.02	72.0	1.04	82.0	1.06	92.0	1.08	6
31.7	0.93	36.7	0.95	41.7	0.97	47.7	0.99	54.2	1.00	61.7	1.02	71.7	1.04	81.7	1.06	91.7	1.08	7
31.5	0.93	36.5	0.95	41.5	0.97	47.5	0.99	54.0	1.00	61.5	1.02	71.5	1.04	81.5	1.06	91.5	1.08	8
31.4	0.93	36.4	0.95	41.4	0.97	47.4	0.99	53.9	1.00	61.4	1.02	71.4	1.04	81.4	1.06	91.4	1.08	9
31.1	0.93	36.1	0.95	41.1	0.97	47.1	0.99	53.6	1.00	61.1	1.02	71.1	1.04	81.1	1.06	91.1	1.08	10
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
30.9	0.93	35.9	0.95	40.9	0.97	46.9	0.99	53.4	1.00	60.9	1.02	70.9	1.04	80.9	1.06	90.9	1.08	11
30.7	0.93	35.7	0.95	40.7	0.97	46.7	0.99	53.2	1.00	60.7	1.02	70.7	1.04	80.7	1.06	90.7	1.08	12
30.4	0.93	35.4	0.95	40.4	0.97	46.4	0.99	52.9	1.00	60.4	1.02	70.4	1.04	80.4	1.06	90.4	1.08	13
30.3	0.93	35.3	0.95	40.3	0.97	46.3	0.99	52.8	1.00	60.3	1.02	70.3	1.04	80.3	1.06	90.3	1.08	14
30.1	0.93	35.1	0.95	40.1	0.97	46.1	0.99	52.6	1.00	60.1	1.02	70.1	1.04	80.1	1.06	90.1	1.08	15
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
29.8	0.93	34.8	0.95	39.8	0.97	45.8	0.99	52.3	1.00	59.8	1.02	69.8	1.04	79.8	1.06	89.8	1.08	16
29.6	0.93	34.6	0.95	39.6	0.97	45.6	0.99	52.1	1.00	59.6	1.02	69.6	1.04	79.6	1.06	89.6	1.08	17
29.5	0.93	34.5	0.95	39.5	0.97	45.5	0.99	52.0	1.00	59.5	1.02	69.5	1.04	79.5	1.06	89.5	1.08	18
29.2	0.93	34.2	0.95	39.2	0.97	45.2	0.99	51.7	1.00	59.2	1.02	69.2	1.04	79.2	1.06	89.2	1.08	19
29.0	0.93	34.0	0.95	39.0	0.97	45.0	0.99	51.5	1.00	59.0	1.02	69.0	1.04	79.0	1.06	89.0	1.08	20
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
28.9	0.93	33.9	0.95	38.9	0.97	44.9	0.99	51.4	1.00	58.9	1.02	68.9	1.04	78.9	1.06	88.9	1.08	21
28.4	0.93	33.4	0.95	38.4	0.97	44.4	0.99	50.9	1.00	58.4	1.02	68.4	1.04	78.4	1.06	88.4	1.08	22
28.2	0.93	33.2	0.95	38.2	0.97	44.2	0.99	50.7	1.00	58.2	1.02	68.2	1.04	78.2	1.06	88.2	1.08	23
27.6	0.93	32.6	0.95	37.6	0.97	43.6	0.99	50.1	1.00	57.6	1.02	67.6	1.04	77.6	1.06	87.6	1.08	24
27.3	0.93	32.3	0.95	37.3	0.97	43.3	0.99	49.8	1.00	57.3	1.02	67.3	1.04	77.3	1.06	87.3	1.08	25
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
26.8	0.93	31.8	0.95	36.8	0.97	42.8	0.99	49.3	1.00	56.8	1.02	66.8	1.04	76.8	1.06	86.8	1.08	26
26.3	0.93	31.3	0.95	36.3	0.97	42.3	0.99	48.8	1.00	56.3	1.02	66.3	1.04	76.3	1.06	86.3	1.08	27
26.0	0.93	31.0	0.95	36.0	0.97	42.0	0.99	48.5	1.00	56.0	1.02	66.0	1.04	76.0	1.06	86.0	1.08	28
25.7	0.93	30.7	0.95	35.7	0.97	41.7	0.99	48.2	1.00	55.7	1.02	65.7	1.04	75.7	1.06	85.7	1.08	29
25.6	0.93	30.6	0.95	35.6	0.97	41.6	0.99	48.1	1.00	55.6	1.02	65.6	1.04	75.6	1.06	85.6	1.08	30
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
25.1	0.93	30.1	0.95	35.1	0.97	41.1	0.99	47.6	1.00	55.1	1.02	65.1	1.04	75.1	1.06	85.1	1.08	31
24.8	0.93	29.8	0.95	34.8	0.97	40.8	0.99	47.3	1.00	54.8	1.02	64.8	1.04	74.8	1.06	84.8	1.08	32
24.0	0.93	29.0	0.95	34.0	0.97	40.0	0.99	46.5	1.00	54.0	1.02	64.0	1.04	74.0	1.06	84.0	1.08	33
23.0	0.93	28.0	0.95	33.0	0.97	39.0	0.99	45.5	1.00	53.0	1.02	63.0	1.04	73.0	1.06	83.0	1.08	34
22.6	0.93	27.6	0.95	32.6	0.97	38.6	0.99	45.1	1.00	52.6	1.02	62.6	1.04	72.6	1.06	82.6	1.08	35
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
22.4	0.93	27.4	0.95	32.4	0.97	38.4	0.99	44.9	1.00	52.4	1.02	62.4	1.04	72.4	1.06	82.4	1.08	36
21.6	0.93	26.6	0.95	31.6	0.97	37.6	0.99	44.1	1.00	51.6	1.02	61.6	1.04	71.6	1.06	81.6	1.08	37
20.5	0.93	25.5	0.95	30.5	0.97	36.5	0.99	43.0	1.00	50.5	1.02	60.5	1.04	70.5	1.06	80.5	1.08	38
20.4	0.93	25.4	0.95	30.4	0.97	36.4	0.99	42.9	1.00	50.4	1.02	60.4	1.04	70.4	1.06	80.4	1.08	39
19.4	0.93	24.4	0.95	29.4	0.97	35.4	0.99	41.9	1.00	49.4	1.02	59.4	1.04	69.4	1.06	79.4	1.08	40
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
18.5	0.93	23.5	0.95	28.5	0.97	34.5	0.99	41.0	1.00	48.5	1.02	58.5	1.04	68.5	1.06	78.5	1.08	41
18.2	0.93	23.2	0.95	28.2	0.97	34.2	0.99	40.7	1.00	48.2	1.02	58.2	1.04	68.2	1.06	78.2	1.08	42
16.6	0.93	21.6	0.95	26.6	0.97	32.6	0.99	39.1	1.00	46.6	1.02	56.6	1.04	66.6	1.06	76.6	1.08	43
—	—	20.7	0.95	25.7	0.97	31.7	0.99	38.2	1.00	45.7	1.02	55.7	1.04	65.7	1.06	75.7	1.08	44
—	—	20.0	0.95	25.0	0.97	31.0	0.99	37.5	1.00	45.0	1.02	55.0	1.04	65.0	1.06	75.0	1.08	45
5VX1000		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		**5V2500**		
24.7	0.97	30.7	0.99	37.2	1.00	44.7	1.02	54.7	1.04	64.7	1.06	74.7	1.08	86.7	1.10	99.7	1.102	46
21.0	0.97	27.0	0.99	33.5	1.00	41.0	1.02	51.0	1.04	61.0	1.06	71.0	1.08	83.0	1.10	96.0	1.102	47
20.8	0.97	26.8	0.99	33.3	1.00	40.8	1.02	50.8	1.04	60.8	1.06	70.8	1.08	82.8	1.10	95.8	1.102	48
—	—	24.4	0.99	30.9	1.00	38.4	1.02	48.4	1.04	58.4	1.06	68.4	1.08	80.4	1.10	93.4	1.102	49
—	—	22.9	0.99	29.4	1.00	36.9	1.02	46.9	1.04	56.9	1.06	66.9	1.08	78.9	1.10	91.9	1.102	50
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
31.6	0.93	36.6	0.95	41.6	0.97	47.6	0.99	54.1	1.00	61.6	1.02	71.6	1.04	81.6	1.06	91.6	1.08	51
31.4	0.93	36.4	0.95	41.4	0.97	47.4	0.99	53.9	1.00	61.4	1.02	71.4	1.04	81.4	1.06	91.4	1.08	52
31.0	0.93	36.0	0.95	41.0	0.97	47.0	0.99	53.5	1.00	61.0	1.02	71.0	1.04	81.0	1.06	91.0	1.08	53
30.8	0.93	35.8	0.95	40.8	0.97	46.8	0.99	53.3	1.00	60.8	1.02	70.8	1.04	80.8	1.06	90.8	1.08	54
30.3	0.93	35.3	0.95	40.3	0.97	46.3	0.99	52.8	1.00	60.3	1.02	70.3	1.04	80.3	1.06	90.3	1.08	55
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
30.2	0.93	35.2	0.95	40.2	0.97	46.2	0.99	52.7	1.00	60.2	1.02	70.2	1.04	80.2	1.06	90.2	1.08	56
29.7	0.93	34.7	0.95	39.7	0.97	45.7	0.99	52.2	1.00	59.7	1.02	69.7	1.04	79.7	1.06	89.7	1.08	57
29.6	0.93	34.6	0.95	39.6	0.97	45.6	0.99	52.1	1.00	59.6	1.02	69.6	1.04	79.6	1.06	89.6	1.08	58
29.1	0.93	34.1	0.95	39.1	0.97	45.1	0.99	51.6	1.00	59.1	1.02	69.1	1.04	79.1	1.06	89.1	1.08	59
28.9	0.93	33.9	0.95	38.9	0.97	44.9	0.99	51.4	1.00	58.9	1.02	68.9	1.04	78.9	1.06	88.9	1.08	60
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
28.3	0.93	33.3	0.95	38.3	0.97	44.3	0.99	50.8	1.00	58.3	1.02	68.3	1.04	78.3	1.06	88.3	1.08	61
25.6	0.93	30.6	0.95	35.6	0.97	41.6	0.99	48.1	1.00	55.6	1.02	65.6	1.04	75.6	1.06	85.6	1.08	62
18.3	0.93	23.3	0.95	28.3	0.97	34.3	0.99	40.8	1.00	48.3	1.02	58.3	1.04	68.3	1.06	78.3	1.08	63
—	—	19.9	0.95	24.9	0.97	30.9	0.99	37.4	1.00	44.9	1.02	54.9	1.04	64.9	1.06	74.9	1.08	64
32.5	0.93	37.5	0.95	42.5	0.97	48.5	0.99	55.0	1.00	62.5	1.02	72.5	1.04	82.5	1.06	92.5	1.08	65
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
32.4	0.93	37.4	0.95	42.4	0.97	48.4	0.99	54.9	1.00	62.4	1.02	72.4	1.04	82.4	1.06	92.4	1.08	66
29.3	0.93	34.3	0.95	39.3	0.97	45.3	0.99	51.8	1.00	59.3	1.02	69.3	1.04	79.3	1.06	89.3	1.08	67
29.0	0.93	34.0	0.95	39.0	0.97	45.0	0.99	51.5	1.00	59.0	1.02	69.0	1.04	79.0	1.06	89.0	1.08	68
27.4	0.93	32.4	0.95	37.4	0.97	43.4	0.99	49.9	1.00	57.4	1.02	67.4	1.04	77.4	1.06	87.4	1.08	69
26.2	0.93	31.2	0.95	36.2	0.97	42.2	0.99	48.7	1.00	56.2	1.02	66.2	1.04	76.2	1.06	86.2	1.08	70
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
25.9	0.93	30.9	0.95	35.9	0.97	41.9	0.99	48.4	1.00	55.9	1.02	65.9	1.04	75.9	1.06	85.9	1.08	71
24.9	0.93	29.9	0.95	34.9	0.97	40.9	0.99	47.4	1.00	54.9	1.02	64.9	1.04	74.9	1.06	84.9	1.08	72
22.8	0.93	27.8	0.95	32.8	0.97	38.8	0.99	45.3	1.00	52.8	1.02	62.8	1.04	72.8	1.06	82.8	1.08	73
—	—	20.4	0.95	25.4	0.97	31.4	0.98	37.9	1.00	45.4	1.02	55.4	1.04	65.4	1.06	75.4	1.08	74
31.8	0.93	36.8	0.95	41.8	0.97	47.8	0.99	54.3	1.00	61.8	1.02	71.8	1.04	81.8	1.06	91.8	1.08	75

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For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Pitch Diameter Driver	Pitch Diameter Driven	Type Fix.	Type Var.	Nominal Driven Speeds and Horsepower per Belt — 1750 RPM Driver: Nominal Driven Speed	HP per Belt Super	HP per Belt Gripnotch	1160 RPM Driver: Nominal Driven Speed	HP per Belt Super	HP per Belt Gripnotch	Center Distance in Inches and "F" Factor for Browning Belts: Belt No. C.D.	F	Belt No. C.D.	F	Belt No. C.D.	F
														5VX500		5VX600		5VX710	
1	1.03	1	4	5.3	5.5	X	—	1699	—	13.13	1126	—	9.28	16.5	0.85	21.5	0.88	27.0	0.91
2	1.03	1	4	5.5	5.7	X	—	1699	—	14.03	1126	—	9.92	16.2	0.85	21.2	0.88	26.7	0.91
3	1.03	1	4	5.7	5.9	X	—	1699	—	14.94	1126	—	10.55	15.9	0.85	20.9	0.88	26.4	0.91
4	1.03	1	4	5.9	6.1	X	—	1699	—	15.84	1126	—	11.18	15.6	0.85	20.6	0.88	26.1	0.91
5	1.03	1	4	6.1	6.3	X	—	1699	—	16.73	1126	—	11.80	15.3	0.85	20.3	0.88	25.8	0.91
														5VX500		5VX600		5VX710	
6	1.03	1	4	6.3	6.5	X	—	1699	—	17.62	1126	—	12.43	15.0	0.85	20.0	0.88	25.5	0.91
7	1.03	1	4	6.5	6.7	X	—	1699	—	18.50	1126	—	13.05	14.6	0.85	19.6	0.88	25.1	0.91
8	1.03	2	4	8.1	8.4	X	—	1699	20.16	25.38	1126	14.77	17.94	12.0	0.85	17.0	0.88	22.5	0.91
9	1.03	2	4	8.4	8.7	X	X	1699	21.32	26.63	1126	15.63	18.84	11.6	0.85	16.6	0.88	22.1	0.91
10	1.03	2	10	8.9	9.2	X	—	1699	23.21	28.69	1126	17.07	20.33	10.8	0.85	15.8	0.88	21.3	0.91
														5VX500		5VX600		5VX710	
11	1.03	2	4	9.2	9.5	X	—	1699	24.32	29.91	1126	17.92	21.22	10.3	0.85	15.3	0.88	20.8	0.91
12	1.03	2	10	10.8	11.2	X	—	1699	29.90	36.19	1126	22.33	25.87	—	—	12.7	0.88	18.2	0.91
13	1.03	1	4	15.5	16.1	X	—	—	—	—	1126	34.04	38.67	—	—	—	—	—	—
14	1.04	1	6	4.3	4.5	X	—	1682	—	8.51	1115	—	6.08	18.1	0.85	23.1	0.88	28.6	0.91
15	1.04	1	4	4.5	4.7	X	—	1682	—	9.44	1115	—	6.73	17.8	0.85	22.8	0.88	28.3	0.91
														5VX500		5VX600		5VX710	
16	1.04	1	4	4.7	4.9	X	—	1682	—	10.37	1115	—	7.37	17.5	0.85	22.5	0.88	28.0	0.91
17	1.04	1	4	4.9	5.1	X	—	1682	—	11.30	1115	—	8.01	17.1	0.85	22.1	0.88	27.6	0.91
18	1.04	2	4	6.2	6.5	X	—	1682	—	17.17	1115	—	12.11	15.0	0.85	20.0	0.88	25.5	0.91
19	1.04	2	4	6.3	6.6	X	—	1682	—	17.62	1115	—	12.43	14.9	0.85	19.9	0.88	25.4	0.91
20	1.04	2	4	6.6	6.9	X	—	1682	—	18.94	1115	—	13.36	14.4	0.85	19.4	0.88	24.9	0.91
														5VX500		5VX600		5VX710	
21	1.04	2	4	6.7	7.0	X	—	1682	—	19.38	1115	—	13.67	14.2	0.85	19.2	0.88	24.7	0.91
22	1.04	2	4	7.1	7.4	X	—	1682	16.18	21.12	1115	11.83	14.90	13.6	0.85	18.6	0.88	24.1	0.91
23	1.04	1	4	8.7	9.1	X	—	1682	22.46	27.87	1115	16.50	19.74	11.0	0.85	16.0	0.08	21.5	0.91
24	1.04	1	4	9.1	9.5	X	—	1682	23.95	29.51	1115	17.63	20.92	10.4	0.85	15.4	0.88	20.9	0.91
25	1.04	2	10	11.2	11.7	X	—	1682	31.20	37.70	1115	23.40	27.01	—	—	—	—	17.5	0.91
														5VX500		5VX600		5VX710	
26	1.04	2	4	12.5	13.1	X	X	1682	35.16	42.42	1115	26.80	30.66	—	—	—	—	15.4	0.91
27	1.04	2	4	13.1	13.7	X	—	1682	36.84	44.50	1115	28.31	32.30	—	—	—	—	14.5	0.91
28	1.04	2	4	14.9	15.5	X	—	—	—	—	1115	32.66	37.11	—	—	—	—	—	—
29	1.05	2	6	5.1	5.4	X	—	1666	—	12.21	1104	—	8.65	16.8	0.85	21.8	0.88	27.3	0.91
30	1.05	2	4	5.4	5.7	X	—	1666	—	13.58	1104	—	9.60	16.3	0.85	21.3	0.88	26.8	0.91
														5VX500		5VX600		5VX710	
31	1.05	2	4	5.5	5.8	X	—	1666	—	14.03	1104	—	9.92	16.1	0.85	21.1	0.88	26.6	0.91
32	1.05	2	4	5.8	6.1	X	—	1666	—	15.39	1104	—	10.86	15.7	0.85	20.7	0.88	26.2	0.91
33	1.05	2	4	5.9	6.2	X	—	1666	—	15.84	1104	—	11.18	15.5	0.85	20.5	0.88	26.0	0.91
34	1.05	1	4	6.7	7.1	X	—	1666	—	19.38	1104	—	13.67	14.2	0.85	19.2	0.88	24.7	0.91
35	1.05	2	8	7.0	7.4	X	X	1666	16.06	20.69	1104	11.72	14.59	13.7	0.85	18.7	0.88	24.2	0.91
														5VX500		5VX600		5VX710	
36	1.05	1	4	7.1	7.5	X	—	1666	16.47	21.12	1104	12.02	14.90	13.5	0.85	18.5	0.88	24.0	0.91
37	1.05	2	4	7.5	7.9	X	—	1666	18.08	22.84	1104	13.20	16.12	12.9	0.85	17.9	0.88	23.4	0.91
38	1.05	2	10	8.4	8.9	X	X	1666	21.61	26.63	1104	15.83	18.84	11.4	0.85	16.4	0.88	21.9	0.91
39	1.05	2	4	8.7	9.2	X	—	1666	22.75	27.87	1104	16.69	19.74	10.9	0.85	15.9	0.88	21.4	0.91
40	1.05	2	10	9.2	9.7	X	—	1666	24.61	29.91	1104	18.11	21.22	10.2	0.85	15.2	0.88	20.7	0.91
														5VX500		5VX600		5VX710	
41	1.05	2	10	9.7	10.2	X	—	1666	26.41	31.91	1104	19.51	22.69	—	—	14.4	0.88	19.9	0.91
42	1.05	2	10	10.2	10.8	X	—	1666	28.16	33.88	1104	20.89	24.14	—	—	13.5	0.88	19.0	0.91
43	1.05	2	4	11.1	11.7	X	—	1666	31.17	37.32	1104	23.33	26.73	—	—	12.1	0.88	17.6	0.91
44	1.05	2	10	11.7	12.4	X	—	1666	33.06	39.54	1104	24.92	28.43	—	—	—	—	16.6	0.91
45	1.05	2	10	12.4	13.1	X	—	1666	35.16	42.06	1104	26.73	30.38	—	—	—	—	15.5	0.91
														5VX500		5VX600		5VX710	
46	1.06	2	6	4.5	4.8	X	—	1650	—	9.58	1094	—	6.82	17.7	0.85	22.7	0.88	28.2	0.91
47	1.06	2	6	4.8	5.1	X	—	1650	—	10.97	1094	—	7.79	17.2	0.85	22.2	0.88	27.7	0.91
48	1.06	2	6	5.8	6.2	X	—	1650	—	15.53	1094	—	10.96	15.6	0.85	20.6	0.88	26.1	0.91
49	1.06	1	4	5.9	6.3	X	—	1650	—	15.98	1094	—	11.27	15.4	0.85	20.4	0.88	25.9	0.91
50	1.06	1	4	6.1	6.5	X	—	1650	—	16.87	1094	—	11.89	15.1	0.85	20.1	0.88	25.6	0.91
														5VX500		5VX600		5VX710	
51	1.06	2	6	6.2	6.6	X	—	1650	—	17.31	1094	—	12.21	15.0	0.85	20.0	0.88	25.5	0.91
52	1.06	1	4	6.3	6.7	X	—	1650	—	17.76	1094	—	12.52	14.8	0.85	19.8	0.88	25.3	0.91
53	1.06	1	4	6.5	6.9	X	—	1650	—	18.64	1094	—	13.14	14.5	0.85	19.5	0.88	25.0	0.91
54	1.06	2	6	6.6	7.0	X	—	1650	—	19.08	1094	—	13.45	14.3	0.85	19.3	0.88	24.8	0.91
55	1.06	2	8	7.4	7.9	X	X	1650	17.68	22.55	1094	12.91	15.91	13.0	0.85	18.0	0.88	23.5	0.91
														5VX500		5VX600		5VX710	
56	1.06	2	10	7.9	8.4	X	—	1650	19.67	24.68	1094	14.38	17.43	12.2	0.85	17.2	0.88	22.7	0.91
57	1.06	2	4	8.9	9.5	X	—	1650	23.50	28.83	1094	17.26	20.42	10.6	0.85	15.6	0.88	21.1	0.91
58	1.06	2	4	9.1	9.7	X	—	1650	24.24	29.65	1094	17.83	21.02	10.2	0.85	15.2	0.88	20.7	0.91
59	1.06	2	4	11.7	12.5	X	—	1650	33.06	39.68	1094	24.92	28.52	—	—	—	—	16.5	0.91
60	1.06	2	10	13.1	13.9	X	—	1650	37.13	44.64	1094	28.50	32.39	—	—	—	—	14.3	0.90
														5VX500		5VX600		5VX710	
61	1.06	2	10	14.9	15.9	X	—	—	—	—	1094	32.85	37.20	—	—	—	—	—	—
62	1.07	1	4	5.1	5.5	X	—	1635	—	12.35	1084	—	8.74	16.7	0.85	21.7	0.88	27.2	0.91
63	1.07	1	4	5.3	5.7	X	—	1635	—	13.27	1084	—	9.38	16.4	0.85	21.4	0.88	26.9	0.91
64	1.07	2	6	5.4	5.8	X	—	1635	—	13.72	1084	—	9.69	16.2	0.85	21.2	0.88	26.7	0.91
65	1.07	1	4	5.5	5.9	X	—	1635	—	14.17	1084	—	10.01	16.0	0.85	21.1	0.88	26.6	0.91
														5VX500		5VX600		5VX710	
66	1.07	1	4	5.7	6.1	X	—	1635	—	15.08	1084	—	10.64	15.7	0.85	20.7	0.88	26.2	0.91
67	1.07	2	4	6.5	7.0	X	—	1635	—	18.64	1084	—	13.14	14.4	0.85	19.4	0.88	24.9	0.91
68	1.07	2	4	6.6	7.1	X	—	1635	—	19.08	1084	—	13.45	14.2	0.85	19.2	0.88	24.7	0.91
69	1.07	2	4	6.9	7.4	X	—	1635	—	20.39	1084	—	14.38	13.8	0.85	18.8	0.88	24.3	0.91
70	1.07	2	4	7.0	7.5	X	X	1635	16.06	20.83	1084	11.72	14.68	13.6	0.85	18.6	0.88	24.1	0.91
														5VX500		5VX600		5VX710	
71	1.07	1	6	8.1	8.7	X	—	1635	20.45	25.52	1084	14.96	18.03	11.8	0.85	16.8	0.88	22.3	0.91
72	1.07	2	4	9.5	10.2	X	X	1635	25.70	31.26	1084	18.95	22.19	—	—	14.5	0.88	20.0	0.91
73	1.07	2	10	13.9	14.9	X	—	1635	39.21	47.31	1084	30.47	34.56	—	—	—	—	—	—
74	1.08	1	4	4.5	4.9	X	—	1620	—	9.56	1074	—	6.82	17.6	0.85	22.6	0.88	28.1	0.91
75	1.08	1	4	4.7	5.1	X	—	1620	—	10.51	1074	—	7.46	17.3	0.85	22.3	0.68	27.8	0.91

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts

Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		
31.5	0.93	36.5	0.95	41.5	0.97	47.5	0.99	54.0	1.00	61.5	1.02	71.5	1.04	81.5	1.06	91.5	1.08	1
31.2	0.93	36.2	0.95	41.2	0.97	47.2	0.99	53.7	1.00	61.2	1.02	71.2	1.04	81.2	1.06	91.2	1.08	2
30.9	0.93	35.9	0.95	40.9	0.97	46.9	0.99	53.4	1.00	60.9	1.02	70.9	1.04	80.9	1.06	90.9	1.08	3
30.6	0.93	35.6	0.95	40.6	0.97	46.6	0.99	53.1	1.00	60.6	1.02	70.6	1.04	80.6	1.06	90.6	1.08	4
30.3	0.93	35.3	0.95	40.3	0.97	46.3	0.99	52.8	1.00	60.3	1.02	70.3	1.04	80.3	1.06	90.3	1.08	5
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		
30.0	0.93	35.0	0.95	40.0	0.97	46.0	0.99	52.5	1.00	60.0	1.02	70.0	1.04	80.0	1.06	90.0	1.08	6
29.6	0.93	34.6	0.95	39.6	0.97	45.6	0.99	52.1	1.00	59.6	1.02	69.6	1.04	79.6	1.06	89.6	1.08	7
27.0	0.93	32.0	0.95	37.0	0.97	43.0	0.99	49.5	1.00	57.0	1.02	67.0	1.04	77.0	1.06	87.0	1.08	8
26.6	0.93	31.6	0.95	36.6	0.97	42.6	0.99	49.1	1.00	56.6	1.02	66.6	1.04	76.6	1.06	86.6	1.08	9
25.8	0.93	30.8	0.95	35.8	0.97	41.8	0.99	48.3	1.00	55.8	1.02	65.8	1.04	75.8	1.06	85.8	1.08	10
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		
25.3	0.93	30.3	0.95	35.3	0.97	41.3	0.99	47.8	1.00	55.3	1.02	65.3	1.04	75.3	1.06	85.3	1.08	11
22.7	0.93	27.7	0.95	32.7	0.97	38.7	0.99	45.2	1.00	52.7	1.02	62.7	1.04	72.7	1.06	82.7	1.08	12
—	—	20.2	0.95	25.2	0.96	31.2	0.98	37.7	1.00	45.2	1.02	55.2	1.04	65.2	1.06	75.2	1.08	13
33.1	0.93	38.1	0.95	43.1	0.97	49.1	0.99	55.6	1.00	63.1	1.02	73.1	1.04	83.1	1.06	93.1	1.08	14
32.8	0.93	37.8	0.95	42.8	0.97	48.8	0.99	55.3	1.00	62.8	1.02	72.8	1.04	82.8	1.06	92.8	1.08	15
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		
32.5	0.93	37.5	0.95	42.5	0.97	48.5	0.99	55.0	1.00	62.5	1.02	72.5	1.04	82.5	1.06	92.5	1.08	16
32.1	0.93	37.1	0.95	42.1	0.97	48.1	0.99	54.6	1.00	62.1	1.02	72.1	1.04	82.1	1.06	92.1	1.08	17
30.0	0.93	35.0	0.95	40.0	0.97	46.0	0.99	52.5	1.00	60.0	1.02	70.0	1.04	80.0	1.06	90.0	1.08	18
29.9	0.93	34.9	0.95	39.9	0.97	45.9	0.99	52.4	1.00	59.9	1.02	69.9	1.04	79.9	1.06	89.9	1.08	19
29.4	0.93	34.4	0.95	39.4	0.97	45.4	0.99	51.9	1.00	59.4	1.02	69.4	1.04	79.4	1.06	89.4	1.08	20
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		
29.2	0.93	34.2	0.95	39.2	0.97	45.2	0.99	51.7	1.00	59.2	1.02	69.2	1.04	79.2	1.06	89.2	1.08	21
28.6	0.93	33.6	0.95	38.6	0.97	44.6	0.99	51.1	1.00	58.6	1.02	68.6	1.04	78.6	1.06	88.6	1.08	22
26.0	0.93	31.0	0.95	36.0	0.97	42.0	0.99	48.5	1.00	56.0	1.02	66.0	1.04	76.0	1.06	86.0	1.08	23
25.4	0.93	30.4	0.95	35.4	0.97	41.4	0.99	47.9	1.00	55.4	1.02	65.4	1.04	75.4	1.06	85.4	1.08	24
22.0	0.93	27.0	0.95	32.0	0.97	38.0	0.98	44.5	1.00	52.0	1.02	62.0	1.04	72.0	1.06	82.0	1.08	25
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		
19.9	0.93	24.9	0.95	29.9	0.97	35.9	0.98	42.4	1.00	49.9	1.02	59.9	1.04	69.9	1.06	79.9	1.08	26
19.0	0.93	24.0	0.95	29.0	0.97	35.0	0.98	41.5	1.00	49.0	1.02	59.0	1.04	69.0	1.06	79.0	1.08	27
16.1	0.93	21.1	0.95	26.1	0.96	32.1	0.98	38.6	1.00	46.1	1.02	56.1	1.04	66.1	1.06	76.1	1.08	28
31.8	0.93	36.8	0.95	41.8	0.97	47.8	0.99	54.3	1.00	61.8	1.02	71.8	1.04	81.8	1.06	91.8	1.08	29
31.3	0.93	36.3	0.95	41.3	0.97	47.3	0.99	53.8	1.00	61.3	1.02	71.3	1.04	81.3	1.06	91.3	1.08	30
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		
31.1	0.93	36.1	0.95	41.1	0.97	47.1	0.99	53.6	1.00	61.1	1.02	71.1	1.04	81.1	1.06	91.1	1.08	31
30.7	0.93	35.7	0.95	40.7	0.97	46.7	0.99	53.2	1.00	60.7	1.02	70.7	1.04	80.7	1.06	90.7	1.08	32
30.5	0.93	35.5	0.95	40.5	0.97	46.5	0.99	53.0	1.00	60.5	1.02	70.5	1.04	80.5	1.06	90.5	1.08	33
29.2	0.93	34.2	0.95	39.2	0.97	45.2	0.99	51.7	1.00	59.2	1.02	69.2	1.04	79.2	1.06	89.2	1.08	34
28.7	0.93	33.7	0.95	38.7	0.97	44.7	0.99	51.2	1.00	58.7	1.02	68.7	1.04	78.7	1.06	88.7	1.08	35
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		
28.5	0.93	33.5	0.95	38.5	0.97	44.5	0.99	51.0	1.00	58.5	1.02	68.5	1.04	78.5	1.06	88.5	1.08	36
27.9	0.93	32.9	0.95	37.9	0.97	43.9	0.99	50.4	1.00	57.9	1.02	67.9	1.04	77.9	1.06	87.9	1.08	37
26.4	0.93	31.4	0.95	36.4	0.97	42.4	0.98	48.9	1.00	56.4	1.02	66.4	1.04	76.4	1.06	86.4	1.08	38
25.9	0.93	30.9	0.95	35.9	0.97	41.9	0.98	48.4	1.00	55.9	1.02	65.9	1.04	75.9	1.06	85.9	1.08	39
25.2	0.93	30.2	0.95	35.2	0.97	41.2	0.98	47.7	1.00	55.2	1.02	65.2	1.04	75.2	1.06	85.2	1.08	40
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		
24.4	0.93	29.4	0.95	34.4	0.97	40.4	0.98	46.9	1.00	54.4	1.02	64.4	1.04	74.4	1.06	84.4	1.08	41
23.5	0.93	28.5	0.95	33.5	0.97	39.5	0.98	46.0	1.00	53.5	1.02	63.5	1.04	73.5	1.06	83.5	1.08	42
22.1	0.93	27.1	0.95	32.1	0.97	38.1	0.98	44.6	1.00	52.1	1.02	62.1	1.04	72.1	1.06	82.1	1.08	43
21.1	0.93	26.1	0.95	31.1	0.96	37.1	0.98	43.6	1.00	51.1	1.02	61.1	1.04	71.1	1.06	81.1	1.08	44
20.0	0.93	25.0	0.95	30.0	0.96	36.0	0.98	42.5	1.00	50.0	1.02	60.0	1.04	70.0	1.06	80.0	1.08	45
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		
32.7	0.93	37.7	0.95	42.7	0.97	48.7	0.99	55.2	1.00	62.7	1.02	72.7	1.04	82.7	1.06	92.7	1.08	46
32.2	0.93	37.2	0.95	42.2	0.97	48.2	0.99	54.7	1.00	62.2	1.02	72.2	1.04	82.2	1.06	92.2	1.08	47
30.6	0.93	35.6	0.95	40.6	0.97	46.6	0.99	53.1	1.00	60.6	1.02	70.6	1.04	80.6	1.06	90.6	1.08	48
30.4	0.93	35.4	0.95	40.4	0.97	46.4	0.99	52.9	1.00	60.4	1.02	70.4	1.04	80.4	1.06	90.4	1.08	49
30.1	0.93	35.1	0.95	40.1	0.97	46.1	0.99	52.6	1.00	60.1	1.02	70.1	1.04	80.1	1.06	90.1	1.08	50
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		
30.0	0.93	35.0	0.95	40.0	0.97	46.0	0.99	52.5	1.00	60.0	1.02	70.0	1.04	80.0	1.06	90.0	1.08	51
29.8	0.93	34.8	0.95	39.8	0.97	45.8	0.99	52.3	1.00	59.8	1.02	69.8	1.04	79.8	1.06	89.8	1.08	52
29.5	0.93	34.5	0.95	39.5	0.97	45.5	0.99	52.0	1.00	59.5	1.02	69.5	1.04	79.5	1.06	89.5	1.08	53
29.3	0.93	34.3	0.95	39.3	0.97	45.3	0.99	51.8	1.00	59.3	1.02	69.3	1.04	79.3	1.06	89.3	1.08	54
28.0	0.93	33.0	0.95	38.0	0.97	44.0	0.98	50.5	1.00	58.0	1.02	68.0	1.04	78.0	1.06	88.0	1.08	55
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		
27.2	0.93	32.2	0.95	37.2	0.97	43.2	0.98	49.7	1.00	57.2	1.02	67.2	1.04	77.2	1.06	87.2	1.08	56
25.6	0.93	30.6	0.95	35.6	0.97	41.6	0.98	48.1	1.00	55.6	1.02	65.6	1.04	75.6	1.06	85.6	1.08	57
25.2	0.93	30.2	0.95	35.2	0.97	41.2	0.98	47.7	1.00	55.2	1.02	65.2	1.04	75.2	1.06	85.2	1.08	58
21.0	0.93	26.0	0.95	31.0	0.96	37.0	0.98	43.5	1.00	51.0	1.02	61.0	1.04	71.0	1.06	81.0	1.08	59
18.8	0.93	23.8	0.95	28.8	0.96	34.8	0.98	41.3	1.00	48.8	1.02	58.8	1.04	68.8	1.06	78.8	1.08	60
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		
—	—	20.8	0.94	25.8	0.96	31.8	0.98	38.3	1.00	45.8	1.02	55.8	1.04	65.8	1.06	75.8	1.08	61
31.7	0.93	36.7	0.95	41.7	0.97	47.7	0.99	54.2	1.00	61.7	1.02	71.7	1.04	81.7	1.06	91.7	1.08	62
31.4	0.93	36.4	0.95	41.4	0.97	47.4	0.99	53.9	1.00	61.4	1.02	71.4	1.04	81.4	1.06	91.4	1.08	63
31.2	0.93	36.2	0.95	41.2	0.97	47.2	0.99	53.7	1.00	61.2	1.02	71.2	1.04	81.2	1.06	91.2	1.08	64
31.1	0.93	36.1	0.95	41.1	0.97	47.1	0.99	53.6	1.00	61.1	1.02	71.1	1.04	81.1	1.06	91.1	1.08	65
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		
30.7	0.93	35.7	0.95	40.7	0.97	46.7	0.99	53.2	1.00	60.7	1.02	70.7	1.04	80.7	1.06	90.7	1.08	66
29.4	0.93	34.4	0.95	39.4	0.97	45.4	0.99	51.9	1.00	59.4	1.02	69.4	1.04	79.4	1.06	89.4	1.08	67
29.2	0.93	34.2	0.95	39.2	0.97	45.2	0.99	51.7	1.00	59.2	1.02	69.2	1.04	79.2	1.06	89.2	1.08	68
28.8	0.93	33.8	0.95	38.8	0.97	44.8	0.99	51.3	1.00	58.8	1.02	68.8	1.04	78.8	1.06	88.8	1.08	69
28.6	0.93	33.6	0.95	38.6	0.97	44.6	0.98	51.1	1.00	58.6	1.02	68.6	1.04	78.6	1.06	88.6	1.08	70
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		
26.8	0.93	31.8	0.95	36.8	0.97	42.8	0.98	49.3	1.00	56.8	1.02	66.8	1.04	76.8	1.06	86.8	1.08	71
24.5	0.93	29.5	0.95	34.5	0.97	40.5	0.98	47.0	1.00	54.5	1.02	64.5	1.04	74.5	1.06	84.5	1.08	72
17.4	0.92	22.4	0.94	27.4	0.96	33.4	0.98	39.9	1.00	47.4	1.02	57.4	1.04	67.4	1.06	77.4	1.08	73
32.6	0.93	37.6	0.95	42.6	0.97	48.6	0.99	55.1	1.00	62.6	1.02	72.6	1.04	82.6	1.06	92.6	1.08	74
32.3	0.93	37.3	0.95	42.3	0.97	48.3	0.99	54.8	1.00	62.3	1.02	72.3	1.04	82.3	1.06	92.3	1.08	75

B

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Pitch Diameter Driver	Pitch Diameter Driven	Type Fix.	Type Var.	Nominal Driven Speeds and Horsepower per Belt — 1750 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	1160 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	Center Distance in Inches and "F" Factor for Browning Belts: Belt No.	C.D.	F	Belt No.	C.D.	F	Belt No.	C.D.	F
														5VX500			5VX600			5VX710		
1	1.08	1	4	4.9	5.3	X	—	1620	—	11.43	1074	—	8.10	17.0	0.85		22.0	0.88		27.5	0.91	
2	1.08	2	4	5.7	6.2	X	—	1620	—	15.08	1074	—	10.64	15.7	0.85		20.7	0.88		26.2	0.91	
3	1.08	2	4	5.8	6.3	X	—	1620	—	15.53	1074	—	10.96	15.5	0.85		20.5	0.88		26.0	0.91	
4	1.08	2	4	6.1	6.6	X	—	1620	—	16.87	1074	—	11.89	15.0	0.85		20.0	0.88		25.5	0.91	
5	1.08	2	4	6.2	6.7	X	—	1620	—	17.31	1074	—	12.21	14.9	0.85		19.9	0.88		25.4	0.91	
														5VX500			5VX600			5VX710		
6	1.08	1	4	6.9	7.5	X	—	1620	—	20.39	1074	—	14.38	13.7	0.85		18.7	0.88		24.2	0.91	
7	1.08	1	4	7.5	8.1	X	—	1620	18.08	22.98	1074	13.20	16.21	12.8	0.85		17.8	0.88		23.3	0.91	
8	1.08	2	4	8.4	9.1	X	X	1620	21.61	26.77	1074	15.83	18.93	11.3	0.85		16.3	0.88		21.8	0.91	
9	1.08	2	10	8.9	9.7	X	—	1620	23.50	28.83	1074	17.26	20.42	10.4	0.84		15.4	0.88		20.9	0.91	
10	1.08	2	4	10.2	11.1	X	—	1620	28.16	34.02	1074	20.89	24.24	—	—		13.3	0.88		18.8	0.91	
														5VX530			5VX710			5VX850		
11	1.08	2	10	10.8	11.7	X	—	1620	30.19	36.33	1074	22.52	25.96	—	—		17.8	0.90		24.8	0.94	
12	1.08	2	4	13.7	14.9	X	—	1620	38.71	46.65	1074	29.99	34.02	—	—		—	—		20.0	0.93	
13	1.08	2	4	14.9	16.1	X	—	—	—	—	1074	32.85	37.20	—	—		—	—		18.2	0.93	
14	1.08	1	4	18.5	20.1	X	—	—	—	—	1074	40.58	46.17	—	—		—	—		—	—	
15	1.08	2	4	18.6	20.1	X	—	—	—	—	1074	40.77	46.40	—	—		—	—		—	—	
														5VX500			5VX600			5VX710		
16	1.09	1	4	4.3	4.7	X	—	1605	—	8.79	1064	—	6.27	17.9	0.85		22.9	0.88		28.4	0.91	
17	1.09	2	4	5.3	5.8	X	—	1605	—	13.41	1064	—	9.47	16.3	0.85		21.3	0.88		26.8	0.91	
18	1.09	2	4	5.4	5.9	X	—	1605	—	13.86	1064	—	9.79	16.1	0.85		21.1	0.88		26.6	0.91	
19	1.09	1	4	6.1	6.7	X	—	1605	—	17.01	1064	—	11.99	14.9	0.85		19.9	0.88		25.5	0.91	
20	1.09	1	4	6.3	6.9	X	—	1605	—	17.90	1064	—	12.61	14.6	0.85		19.6	0.88		25.1	0.91	
														5VX500			5VX600			5VX710		
21	1.09	1	4	6.5	7.1	X	—	1605	—	18.76	1064	—	13.23	14.3	0.85		19.3	0.88		24.8	0.91	
22	1.09	2	4	7.4	8.1	X	X	1605	17.68	22.69	1064	12.91	16.00	12.8	0.85		17.8	0.88		23.3	0.91	
23	1.09	2	4	8.1	8.9	X	—	1605	20.45	25.66	1064	14.96	18.12	11.6	0.85		16.7	0.88		22.2	0.91	
24	1.09	2	10	8.4	9.2	X	X	1605	21.61	26.91	1064	15.83	19.02	11.2	0.85		16.2	0.88		21.7	0.91	
25	1.09	1	4	8.7	9.5	X	—	1605	22.75	28.15	1064	16.69	19.92	10.7	0.84		15.7	0.88		21.2	0.91	
														5VX500			5VX600			5VX710		
26	1.09	2	10	10.2	11.2	X	—	1605	28.16	34.16	1064	20.89	24.33	—	—		13.2	0.87		18.7	0.90	
27	1.09	1	4	12.5	13.7	X	X	1605	35.45	42.70	1064	26.99	30.84	—	—		—	—		14.9	0.90	
28	1.10	2	4	4.8	5.3	X	—	1590	—	11.11	1054	—	7.88	17.1	0.85		22.1	0.88		27.6	0.91	
29	1.10	2	4	4.9	5.4	X	—	1590	—	11.58	1054	—	8.20	16.9	0.85		21.9	0.88		27.4	0.91	
30	1.00	1	4	5.5	6.1	X	—	1590	—	14.32	1054	—	10.10	15.9	0.85		20.9	0.88		26.4	0.91	
														5VX500			5VX600			5VX710		
31	1.10	1	4	5.7	6.3	X	—	1590	—	15.22	1054	—	10.73	15.6	0.85		20.6	0.88		26.1	0.91	
32	1.10	1	4	5.9	6.5	X	—	1590	—	16.12	1054	—	11.36	15.3	0.85		20.3	0.88		25.8	0.91	
33	1.10	2	4	6.7	7.4	X	—	1590	—	19.66	1054	—	13.85	13.9	0.85		18.9	0.88		24.4	0.91	
34	1.10	2	4	7.9	8.7	X	—	1590	19.67	24.82	1054	14.38	17.52	12.0	0.85		17.0	0.88		22.5	0.91	
35	1.10	2	10	9.2	10.2	X	—	1590	24.61	30.19	1054	18.11	21.40	—	—		14.8	0.88		20.3	0.91	
														5VX500			5VX600			5VX710		
36	1.10	2	10	11.2	12.4	X	—	1590	31.49	37.98	1054	23.60	27.20	—	—		—	—		17.0	0.90	
37	1.10	2	4	12.4	13.7	X	—	1590	35.16	42.34	1054	26.73	30.56	—	—		—	—		15.0	0.90	
38	1.11	2	6	4.3	4.8	X	—	1576	—	8.79	1045	—	6.27	17.9	0.85		22.9	0.88		28.4	0.91	
39	1.11	1	4	5.1	5.7	X	—	1576	—	12.49	1045	—	8.84	16.5	0.85		21.5	0.88		27.0	0.91	
40	1.11	1	4	5.3	5.9	X	—	1576	—	13.41	1045	—	9.47	16.2	0.85		21.2	0.88		26.7	0.91	
														5VX500			5VX600			5VX710		
41	1.11	2	4	5.9	6.6	X	—	1576	—	16.12	1045	—	11.36	15.2	0.65		20.2	0.88		25.7	0.91	
42	1.11	2	4	6.2	6.9	X	—	1576	—	17.45	1045	—	12.30	14.7	0.85		19.7	0.88		25.2	0.91	
43	1.11	2	4	6.3	7.0	X	—	1576	—	17.90	1045	—	12.61	14.6	0.85		19.6	0.88		25.1	0.91	
44	1.11	1	4	6.7	7.5	X	—	1576	—	19.66	1045	—	13.85	13.8	0.85		18.8	0.88		24.3	0.91	
45	1.11	2	4	7.1	7.9	X	—	1576	16.81	21.40	1045	12.24	15.08	13.2	0.85		18.2	0.88		23.7	0.91	
														5VX500			5VX600			5VX710		
46	1.11	2	4	8.7	9.7	X	—	1576	23.09	28.15	1045	16.91	19.92	10.5	0.84		15.5	0.88		21.1	0.91	
47	1.11	2	10	9.7	10.8	X	—	1576	26.75	32.20	1045	19.74	22.87	—	—		13.9	0.87		19.4	0.90	
48	1.11	2	4	11.1	12.4	X	—	1576	31.51	37.60	1045	23.56	26.91	—	—		—	—		17.0	0.90	
49	1.11	2	4	11.2	12.5	X	—	1576	31.83	37.98	1045	23.82	27.20	—	—		—	—		16.9	0.90	
50	1.11	2	10	11.7	13.1	X	—	1576	33.40	39.83	1045	25.14	28.61	—	—		—	—		16.0	0.90	
														5VX600			5VX800			5VX1000		
51	1.11	2	4	12.5	13.9	X	X	1576	35.79	42.70	1045	27.21	30.84	—	—		19.3	0.92		29.3	0.96	
52	1.11	2	4	13.9	15.5	X	—	1576	39.55	47.45	1045	30.70	34.65	—	—		16.9	0.92		26.9	0.96	
53	1.11	2	10	21.1	23.5	X	—	—	—	—	1045	45.47	52.13	—	—		—	—		—	—	
54	1.12	1	4	4.7	5.3	X	—	1562	—	10.65	1035	—	7.56	22.1	0.88		32.1	0.93		42.1	0.97	
55	1.12	2	6	4.8	5.4	X	—	1562	—	11.11	1035	—	7.88	22.0	0.88		32.0	0.93		42.0	0.97	
														5VX500			5VX600			5VX710		
56	1.12	1	4	4.9	5.5	X	—	1562	—	11.58	1035	—	8.20	16.8	0.85		21.8	0.88		27.3	0.91	
57	1.12	2	4	5.4	6.1	X	—	1562	—	13.86	1035	—	9.79	16.0	0.85		21.0	0.88		26.5	0.91	
58	1.12	2	4	5.5	6.2	X	—	1562	—	14.32	1035	—	10.10	15.8	0.85		20.8	0.88		26.3	0.91	
59	1.12	2	4	5.8	6.5	X	—	1562	—	15.67	1035	—	11.05	15.3	0.85		20.3	0.88		25.8	0.91	
60	1.12	2	6	6.2	7.0	X	—	1562	—	17.45	1035	—	12.30	14.6	0.85		19.6	0.88		25.1	0.91	
														5VX500			5VX600			5VX710		
61	1.12	1	4	6.3	7.1	X	—	1562	—	17.90	1035	—	12.61	14.5	0.85		19.5	0.88		25.0	0.91	
62	1.12	2	6	6.6	7.4	X	—	1562	—	19.22	1035	—	13.54	14.0	0.85		19.0	0.88		24.5	0.91	
63	1.12	2	8	7.0	7.9	X	X	1562	16.40	20.97	1035	11.95	14.78	13.3	0.85		18.3	0.88		23.8	0.91	
64	1.12	2	4	7.5	8.4	X	—	1562	16.42	23.12	1035	13.43	16.31	12.5	0.85		17.5	0.88		23.0	0.91	
65	1.12	2	10	7.9	8.9	X	—	1562	20.01	24.82	1035	14.60	17.52	11.8	0.84		16.8	0.88		22.3	0.91	
														5VX500			5VX600			5VX710		
66	1.12	1	4	8.1	9.1	X	—	1562	20.79	25.66	1035	15.19	18.12	11.5	0.84		16.5	0.88		22.0	0.91	
67	1.12	2	4	9.1	10.2	X	—	1562	24.58	29.79	1035	18.05	21.11	—	—		14.8	0.87		20.3	0.90	
68	1.12	1	4	11.1	12.5	X	—	1562	31.51	37.60	1035	23.56	26.91	—	—		—	—		17.0	0.90	
69	1.12	2	10	12.4	13.9	X	—	1562	35.50	42.34	1035	26.96	30.56	—	—		—	—		14.8	0.90	
70	1.13	1	4	4.3	4.9	X	—	1548	—	8.93	1026	—	6.36	17.8	0.85		22.8	0.88		28.3	0.91	
														5VX500			5VX600			5VX710		
71	1.13	1	6	4.5	5.1	X	—	1548	—	9.86	1026	—	7.01	17.5	0.85		22.5	0.88		28.0	0.91	
72	1.13	2	6	5.1	5.8	X	—	1548	—	12.63	1026	—	8.93	16.4	0.85		21.4	0.88		26.9	0.91	
73	1.13	2	6	5.8	6.6	X	—	1548	—	15.81	1026	—	11.14	15.3	0.85		20.3	0.88		25.8	0.91	
74	1.13	1	4	5.9	6.7	X	—	1548	—	16.26	1026	—	11.45	15.1	0.85		20.1	0.88		25.6	0.91	
75	1.13	1	4	6.1	6.9	X	—	1548	—	17.15	1026	—	12.08	14.8	0.85		19.8	0.88		25.3	0.91	

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) In Inches and Arc–Length Factor (F) using Browning Belts

Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
32.0	0.93	37.0	0.95	42.0	0.97	48.0	0.99	54.5	1.00	62.0	1.02	72.0	1.04	82.0	1.06	92.0	1.08	1
30.7	0.93	35.7	0.95	40.7	0.97	46.7	0.99	53.2	1.00	60.7	1.02	70.7	1.04	80.7	1.06	90.7	1.08	2
30.5	0.93	35.5	0.95	40.5	0.97	46.5	0.99	53.0	1.00	60.5	1.02	70.5	1.04	80.5	1.06	90.5	1.08	3
30.0	0.93	35.0	0.95	40.0	0.97	46.0	0.99	52.5	1.00	60.0	1.02	70.0	1.04	80.0	1.06	90.0	1.08	4
29.9	0.93	34.9	0.95	39.9	0.97	45.9	0.99	52.4	1.00	59.9	1.02	69.9	1.04	79.9	1.06	89.9	1.08	5
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
28.7	0.93	33.7	0.95	38.7	0.97	44.7	0.98	51.2	1.00	58.7	1.02	68.7	1.04	78.7	1.06	88.7	1.08	6
27.8	0.93	32.8	0.95	37.8	0.97	43.8	0.98	50.3	1.00	57.8	1.02	67.8	1.04	77.8	1.06	87.8	1.08	7
26.3	0.93	31.3	0.95	36.3	0.97	42.3	0.98	48.8	1.00	56.3	1.02	66.3	1.04	76.3	1.06	86.3	1.08	8
25.4	0.93	30.4	0.95	35.4	0.96	41.4	0.98	47.9	1.00	55.4	1.02	65.4	1.04	75.4	1.06	85.4	1.08	9
23.3	0.93	28.3	0.95	33.3	0.96	39.3	0.98	45.8	1.00	53.3	1.02	63.3	1.04	73.3	1.06	83.3	1.08	10
5VX950		**5VX1060**		**5VX1180**		**5VX1320**		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		**5V2360**		
29.8	0.96	35.3	0.97	41.3	0.99	48.3	1.01	57.3	1.03	67.3	1.05	77.3	1.07	88.3	1.09	100.3	1.11	11
25.0	0.95	30.5	0.97	36.5	0.99	43.5	1.01	52.5	1.03	62.5	1.05	72.5	1.07	83.5	1.09	95.5	1.11	12
23.2	0.95	28.7	0.97	34.7	0.99	41.7	1.01	50.7	1.03	60.7	1.05	70.7	1.07	81.7	1.09	93.7	1.11	13
—	—	22.7	0.97	28.7	0.99	35.7	1.01	44.7	1.03	54.7	1.05	64.7	1.07	75.7	1.09	87.7	1.10	14
—	—	22.6	0.97	28.6	0.99	35.6	1.01	44.6	1.03	54.6	1.05	64.6	1.07	75.6	1.09	87.6	1.11	15
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
32.9	0.93	37.9	0.95	42.9	0.97	48.9	0.99	55.4	1.00	62.9	1.02	72.9	1.04	82.9	1.06	92.9	1.08	16
31.3	0.93	36.3	0.95	41.3	0.97	47.3	0.99	53.8	1.00	61.3	1.02	71.3	1.04	81.3	1.06	91.3	1.08	17
31.1	0.93	36.1	0.95	41.1	0.97	47.1	0.99	53.6	1.00	61.1	1.02	71.1	1.04	81.1	1.06	91.1	1.08	18
30.0	0.93	35.0	0.95	40.0	0.97	46.0	0.98	52.5	1.00	60.0	1.02	70.0	1.04	80.0	1.06	90.0	1.08	19
29.6	0.93	34.6	0.95	39.6	0.97	45.6	0.98	52.1	1.00	59.6	1.02	69.6	1.04	79.6	1.06	89.6	1.08	20
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
29.3	0.93	34.3	0.95	39.3	0.97	45.3	0.98	51.8	1.00	59.3	1.02	69.3	1.04	79.3	1.06	89.3	1.08	21
27.8	0.93	32.8	0.95	37.8	0.97	43.8	0.98	50.3	1.00	57.8	1.02	67.8	1.04	77.8	1.06	87.8	1.08	22
26.7	0.93	31.7	0.95	36.7	0.96	42.7	0.98	49.2	1.00	56.7	1.02	66.7	1.04	76.7	1.06	86.7	1.08	23
26.2	0.93	31.2	0.95	36.2	0.96	42.2	0.98	48.7	1.00	56.2	1.02	66.2	1.04	76.2	1.06	86.2	1.08	24
25.7	0.93	30.7	0.95	35.7	0.96	41.7	0.98	48.2	1.00	55.7	1.02	65.7	1.04	75.7	1.06	85.7	1.08	25
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
23.2	0.93	28.2	0.95	33.2	0.96	39.2	0.98	45.7	1.00	53.2	1.02	63.2	1.04	73.2	1.06	83.2	1.08	26
19.4	0.92	24.4	0.94	29.4	0.96	35.4	0.98	41.9	1.00	49.4	1.02	59.4	1.04	69.4	1.06	79.4	1.08	27
32.1	0.93	37.1	0.95	42.1	0.97	48.1	0.99	54.6	1.00	62.1	1.02	72.1	1.04	82.1	1.06	92.1	1.08	28
31.9	0.93	36.9	0.95	41.9	0.97	47.9	0.99	54.4	1.00	61.9	1.02	71.9	1.04	81.9	1.06	91.9	1.08	29
30.9	0.93	35.9	0.95	40.9	0.97	46.9	0.98	53.4	1.00	60.9	1.02	70.9	1.04	80.9	1.06	90.9	1.08	30
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
30.6	0.93	35.6	0.95	40.6	0.97	46.6	0.98	53.1	1.00	60.6	1.02	70.6	1.04	80.6	1.06	90.6	1.08	31
30.3	0.93	35.3	0.95	40.3	0.97	46.3	0.98	52.8	1.00	60.3	1.02	70.3	1.04	80.3	1.06	90.3	1.08	32
28.9	0.93	33.9	0.95	38.9	0.97	44.9	0.98	51.4	1.00	58.9	1.02	68.9	1.04	78.9	1.06	88.9	1.08	33
27.0	0.93	32.0	0.95	37.0	0.96	43.0	0.98	49.5	1.00	57.0	1.02	67.0	1.04	77.0	1.06	87.0	1.08	34
24.8	0.93	29.8	0.95	34.8	0.96	40.8	0.98	47.3	1.00	54.8	1.02	64.8	1.04	74.8	1.06	84.8	1.08	35
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
21.5	0.92	26.5	0.94	31.5	0.96	37.5	0.98	44.0	1.00	51.5	1.02	61.5	1.04	71.5	1.06	81.5	1.08	36
19.5	0.92	24.5	0.94	29.5	0.96	35.5	0.98	42.0	1.00	49.5	1.02	59.5	1.04	69.5	1.06	79.5	1.08	37
32.9	0.93	37.9	0.95	42.9	0.97	48.9	0.99	55.4	1.00	62.9	1.02	72.9	1.04	82.9	1.06	92.9	1.08	38
31.5	0.93	36.5	0.95	41.5	0.97	47.5	0.98	54.0	1.00	61.5	1.02	71.5	1.04	81.5	1.06	91.5	1.08	39
31.2	0.93	36.2	0.95	41.2	0.97	47.2	0.98	53.7	1.00	61.2	1.02	71.2	1.04	81.2	1.06	91.2	1.08	40
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
30.2	0.93	35.2	0.95	40.2	0.97	46.2	0.98	52.7	1.00	60.2	1.02	70.2	1.04	80.2	1.06	90.2	1.08	41
29.7	0.93	34.7	0.95	39.7	0.97	45.7	0.98	52.2	1.00	59.7	1.02	69.7	1.04	79.7	1.06	89.7	1.08	42
29.6	0.93	34.6	0.95	39.6	0.97	45.6	0.98	52.1	1.00	59.6	1.02	69.6	1.04	79.6	1.06	89.6	1.08	43
28.9	0.93	33.9	0.95	38.9	0.97	44.9	0.98	51.4	1.00	58.9	1.02	68.9	1.04	78.9	1.06	88.9	1.08	44
28.2	0.93	33.2	0.95	38.2	0.96	44.2	0.98	50.7	1.00	58.2	1.02	68.2	1.04	78.2	1.06	88.2	1.08	45
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
25.6	0.93	30.6	0.95	35.6	0.96	41.6	0.98	48.1	1.00	55.6	1.02	65.6	1.04	75.6	1.06	85.6	1.08	46
23.9	0.92	28.9	0.95	33.9	0.96	39.9	0.98	46.4	1.00	53.9	1.02	63.9	1.04	73.9	1.06	83.9	1.08	47
21.5	0.92	26.5	0.94	31.5	0.96	37.5	0.98	44.0	1.00	51.5	1.02	61.5	1.04	71.5	1.06	81.5	1.08	48
21.4	0.92	26.4	0.94	31.4	0.96	37.4	0.98	43.9	1.00	51.4	1.02	61.4	1.04	71.4	1.06	81.4	1.08	49
20.5	0.92	25.5	0.94	30.5	0.96	36.5	0.98	43.0	1.00	50.5	1.02	60.5	1.04	70.5	1.06	80.5	1.08	50
5VX1250		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		**5V2500**		**5V2800**		**5V3150**		
41.8	1.00	49.3	1.02	59.3	1.04	69.3	1.06	79.3	1.08	91.3	1.10	104. 3	1.12	119.3	1.13	136.8	1.15	51
39.4	1.00	46.9	1.02	56.9	1.04	66.9	1.06	76.9	1.08	88.9	1.10	101. 9	1.11	116.9	1.13	134.4	1.15	52
27.5	0.99	35.0	1.01	45.0	1.04	55.0	1.06	65.0	1.07	77.0	1.09	90.0	1.11	105.0	1.13	122.5	1.15	53
54.6	1.00	62.1	1.02	72.1	1.04	82.1	1.06	92.1	1.08	104.1	1.10	117. 1	1.12	132.1	1.14	149.6	1.15	54
54.5	1.00	62.0	1.02	72.0	1.04	82.0	1.06	92.0	1.08	104. 0	1.10	117. 0	1.12	132.0	1.14	149.5	1.15	55
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
31.8	0.93	36.8	0.95	41.8	0.97	47.8	0.98	54.3	1.00	61.8	1.02	71.8	1.04	81.8	1.06	91.8	1.08	56
31.0	0.93	36.0	0.95	41.0	0.97	47.0	0.98	53.5	1.00	61.0	1.02	71.0	1.04	81.0	1.06	91.0	1.08	57
30.8	0.93	35.8	0.95	40.8	0.97	46.8	0.98	53.3	1.00	60.8	1.02	70.8	1.04	80.8	1.06	90.8	1.08	58
30.3	0.93	35.3	0.95	40.3	0.97	46.3	0.98	52.8	1.00	60.3	1.02	70.3	1.04	80.3	1.06	90.3	1.08	59
29.6	0.93	34.6	0.95	39.6	0.97	45.6	0.98	52.1	1.00	59.6	1.02	69.6	1.04	79.6	1.06	89.6	1.08	60
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
29.5	0.93	34.5	0.95	39.5	0.97	45.5	0.98	52.0	1.00	59.5	1.02	69.5	1.04	79.5	1.06	89.5	1.08	61
29.0	0.93	34.0	0.95	39.0	0.97	45.0	0.98	51.5	1.00	59.0	1.02	69.0	1.04	79.0	1.06	89.0	1.08	62
28.3	0.93	33.3	0.95	38.3	0.96	44.3	0.98	50.8	1.00	58.3	1.02	68.3	1.04	78.3	1.06	88.3	1.08	63
27.5	0.93	32.5	0.95	37.5	0.96	43.5	0.98	50.0	1.00	57.5	1.02	67.5	1.04	77.5	1.06	87.5	1.08	64
26.8	0.93	31.8	0.95	36.8	0.96	42.8	0.98	49.3	1.00	56.8	1.02	66.8	1.04	76.8	1.06	86.8	1.08	65
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
26.5	0.93	31.5	0.95	36.5	0.96	42.5	0.98	49.0	1.00	56.5	1.02	66.5	1.04	76.5	1.06	86.5	1.08	66
24.8	0.93	29.8	0.95	34.8	0.96	40.8	0.98	47.3	1.00	54.8	1.02	64.8	1.04	74.8	1.06	84.8	1.08	67
21.5	0.92	26.5	0.94	31.5	0.96	37.5	0.98	44.0	1.00	51.5	1.02	61.5	1.04	71.5	1.06	81.5	1.08	68
19.3	0.92	24.3	0.94	29.3	0.96	35.3	0.98	41.8	1.00	49.3	1.02	59.3	1.04	69.4	1.06	79.4	1.08	69
32.8	0.93	37.8	0.95	42.8	0.97	48.8	0.98	55.3	1.00	62.8	1.02	72.8	1.04	82.8	1.06	92.8	1.08	70
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
32.5	0.93	37.5	0.95	42.5	0.97	48.5	0.98	55.0	1.00	62.5	1.02	72.5	1.04	82.5	1.06	92.5	1.08	71
31.4	0.93	36.4	0.95	41.4	0.97	47.4	0.98	53.9	1.00	61.4	1.02	71.4	1.04	81.4	1.06	91.4	1.08	72
30.3	0.93	35.3	0.95	40.3	0.97	46.3	0.98	52.8	1.00	60.3	1.02	70.3	1.04	80.3	1.06	90.3	1.08	73
30.1	0.93	35.1	0.95	40.1	0.97	46.1	0.98	52.6	1.00	60.1	1.02	70.1	1.04	80.1	1.06	90.1	1.08	74
29.8	0.93	34.8	0.95	39.8	0.97	45.8	0.98	52.3	1.00	59.8	1.02	69.8	1 .04	79.8	1.06	89.8	1.08	75

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For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Pitch Diameter Driver	Pitch Diameter Driven	Type Fix.	Type Var.	Nominal Driven Speeds and Horsepower per Belt — 1750 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	1160 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	Center Distance in Inches and "F" Factor for Browning Belts: Belt No.	C.D.	F	Belt No.	C.D.	F	Belt No.	C.D.	F
														5VX500			5VX600			5VX710		
1	1.13	2	4	6.5	7.4	X	—	1548	—	18.92	1026	—	13.33	14.1	0.85		19.1	0.88		24.6	0.91	
2	1.13	2	4	6.6	7.5	X	—	1548	—	19.36	1026	—	13.64	13.9	0.85		18.9	0.88		24.4	0.91	
3	1.13	2	8	7.4	8.4	X	X	1548	18.02	22.83	1026	13.13	16.09	12.6	0.84		17.6	0.88		23.1	0.91	
4	1.13	2	4	8.1	9.2	X	—	1548	20.79	25.80	1026	15.19	18.22	11.4	0.84		16.4	0.88		21.9	0.90	
5	1.13	2	4	8.4	9.5	X	X	1548	21.95	27.05	1026	16.05	19.12	10.9	0.84		15.9	0.87		21.4	0.90	
														5VX530			5VX710			5VX850		
6	1.13	2	4	9.5	10.8	X	X	1548	26.04	31.54	1026	19.18	22.38	—	—		19.6	0.90		26.6	0.93	
7	1.13	2	10	13.1	14.9	X	—	1548	37.47	44.92	1026	28.73	32.58	—	—		—	—		20.5	0.93	
8	1.13	1	4	13.7	15.5	X	—	1548	39.05	46.93	1026	30.21	34.21	—	—		—	—		19.6	0.93	
9	1.13	2	10	18.6	21.1	X	—	—	—	—	1026	41.00	46.59	—	—		—	—		—	—	
10	1.14	2	4	4.7	5.4	X	—	1535	—	10.79	1017	—	7.65	18.6	0.86		27.6	0.91		34.6	0.94	
														5VX500			5VX600			5VX710		
11	1.14	2	4	4.8	5.5	X	—	1535	—	11.25	1017	—	7.97	16.9	0.85		21.9	0.88		27.4	0.91	
12	1.14	2	6	5.4	6.2	X	—	1535	—	14.00	1017	—	9.88	15.9	0.85		20.9	0.88		26.4	0.91	
13	1.14	1	4	5.5	6.3	X	—	1535	—	14.46	1017	—	10.20	15.7	0.85		20.7	0.88		26.2	0.91	
14	1.14	1	4	5.7	6.5	X	—	1535	—	15.36	1017	—	10.83	15.4	0.85		20.4	0.88		25.9	0.91	
15	1.14	2	4	6.1	7.0	X	—	1535	—	17.15	1017	—	12.08	14.7	0.85		19.7	0.88		25.2	0.91	
														5VX500			5VX600			5VX710		
16	1.14	2	4	6.2	7.1	X	—	1535	—	17.59	1017	—	12.39	14.6	0.85		19.6	0.88		25.1	0.91	
17	1.14	2	4	6.9	7.9	X	—	1535	—	20.67	1017	—	14.56	13.4	0.84		18.4	0.88		23.9	0.91	
18	1.14	1	4	7.1	8.1	X	—	1535	16.81	21.54	1017	12.24	15.18	13.1	0.84		18.1	0.88		23.6	0.91	
19	1.14	2	10	8.9	10.2	X	—	1535	23.84	29.11	1017	17.48	20.61	—	—		15.0	0.87		20.5	0.90	
20	1.14	2	4	9.7	11.1	X	—	1535	26.75	32.34	1017	19.74	22.97	—	—		13.7	0.87		19.2	0.90	
														5VX530			5VX710			5VX850		
21	1.14	2	10	10.2	11.7	X	—	1535	28.50	34.30	1017	21.12	24.42	—	—		18.3	0.90		25.3	0.93	
22	1.14	2	10	10.8	12.4	X	—	1535	30.53	36.61	1017	22.75	26.15	—	—		17.3	0.90		24.3	0.93	
23	1.14	2	10	13.9	15.9	X	—	1535	39.55	47.59	1017	30.70	34.74	—	—		—	—		19.1	0.93	
24	1.14	1	4	16.1	18.5	X	—	—	—	—	1017	35.81	40.48	—	—		—	—		—	—	
25	1.14	2	4	18.5	21.1	X	—	—	—	—	1017	40.80	46.35	—	—		—	—		—	—	
														5VX500			5VX600			5VX710		
26	1.15	1	4	5.1	5.9	X	—	1521	—	12.63	1008	—	8.93	16.4	0.85		21.4	0.88		26.9	0.91	
27	1.15	1	4	5.3	6.1	X	—	1521	—	13.55	1008	—	9.56	16.0	0.85		21.0	0.88		26.5	0.91	
28	1.15	2	4	5.7	6.6	X	—	1521	—	15.36	1008	—	10.83	15.3	0.85		20.3	0.88		25.8	0.91	
29	1.15	2	4	5.8	6.7	X	—	1521	—	15.81	1008	—	11.14	15.2	0.85		20.2	0.88		25.7	0.91	
30	1.15	1	4	6.5	7.5	X	—	1521	—	18.92	1008	—	13.33	14.0	0.85		19.0	0.88		24.5	0.91	
														5VX500			5VX600			5VX710		
31	1.15	2	4	7.0	8.1	X	X	1521	16.40	21.11	1008	11.95	14.87	13.1	0.84		18.1	0.88		23.6	0.91	
32	1.15	1	4	7.5	8.7	X	—	1521	18.42	23.26	1008	13.43	16.40	12.3	0.84		17.3	0.87		22.8	0.90	
33	1.15	2	4	7.9	9.1	X	—	1521	20.01	24.96	1008	14.60	17.61	11.6	0.84		16.6	0.87		22.1	0.90	
34	1.15	2	10	8.4	9.7	X	X	1521	21.95	27.05	1008	16.05	19.12	10.8	0.84		15.8	0.87		21.3	0.90	
35	1.15	2	10	9.7	11.2	X	—	1521	26.75	32.34	1008	19.74	22.97	—	—		13.6	0.87		19.1	0.90	
														5VX500			5VX630			5VX750		
36	1.15	2	4	10.8	12.5	X	—	1521	30.53	36.61	1008	22.75	26.15	—	—		13.2	0.87		19.2	0.91	
37	1.15	2	4	13.9	16.1	X	—	1521	39.55	47.59	1008	30.70	34.74	—	—		—	—		—	—	
38	1.15	2	4	16.1	18.6	X	—	—	—	—	1008	35.81	40.48	—	—		—	—		—	—	
39	1.16	1	4	4.9	5.7	X	—	1508	—	11.72	1000	—	8.29	16.7	0.85		23.2	0.89		29.2	0.92	
40	1.16	2	4	5.3	6.2	X	—	1508	—	13.55	1000	—	9.56	16.0	0.85		22.5	0.89		28.5	0.92	
														5VX500			5VX600			5VX710		
41	1.16	2	4	5.4	6.3	X	—	1508	—	14.00	1000	—	9.88	15.8	0.85		20.8	0.88		26.3	0.91	
42	1.16	1	4	5.9	6.9	X	—	1508	—	16.26	1000	—	11.45	14.9	0.85		19.9	0.88		25.4	0.91	
43	1.16	1	4	6.1	7.1	X	—	1508	—	17.15	1000	—	12.08	14.6	0.85		19.6	0.88		25.1	0.91	
44	1.16	2	10	7.9	9.2	X	—	1508	20.01	24.96	1000	14.60	17.61	11.6	0.84		16.6	0.87		22.1	0.90	
45	1.16	1	4	9.5	11.1	X	X	1508	26.04	31.54	1000	19.18	22.38	—	—		13.8	0.87		19.3	0.90	
														5VX500			5VX600			5VX710		
46	1.16	2	10	11.2	13.1	X	—	1508	31.83	38.12	1000	23.82	27.29	—	—		—	—		16.4	0.90	
47	1.16	2	4	13.7	15.9	X	—	1508	39.05	46.93	1000	30.21	34.21	—	—		—	—		—	—	
48	1.16	2	4	15.9	18.5	X	—	—	—	—	1000	35.36	39.97	—	—		—	—		—	—	
49	1.17	1	4	4.5	5.3	X	—	1495	—	9.86	991	—	7.01	17.3	0.85		22.3	0.88		27.8	0.91	
50	1.17	1	4	4.7	5.5	X	—	1495	—	10.79	991	—	7.65	17.0	0.85		22.0	0.88		27.5	0.91	
														5VX500			5VX600			5VX710		
51	1.17	1	4	5.7	6.7	X	—	1495	—	15.36	991	—	10.83	15.3	0.85		20.3	0.88		25.8	0.91	
52	1.17	2	4	6.3	7.4	X	—	1495	—	18.04	991	—	12.70	14.2	0.84		19.2	0.88		24.7	0.91	
53	1.17	2	4	6.7	7.9	X	—	1495	—	19.80	991	—	13.94	13.5	0.84		18.5	0.88		24.0	0.90	
54	1.17	1	4	6.9	8.1	X	—	1495	—	20.67	991	—	14.56	13.2	0.84		18.2	0.88		23.7	0.90	
55	1.17	2	4	7.4	8.7	X	X	1495	18.02	22.83	991	13.13	16.09	12.3	0.84		17.3	0.87		22.9	0.90	
														5VX500			5VX600			5VX710		
56	1.17	1	4	8.1	9.5	X	—	1495	20.79	25.80	991	15.19	18.22	11.2	0.84		16.2	0.87		21.7	0.90	
57	1.17	2	4	8.7	10.2	X	—	1495	23.09	28.29	991	16.91	20.01	10.1	0.83		15.1	0.87		20.6	0.90	
58	1.17	2	10	9.2	10.8	X	—	1495	24.95	30.33	991	18.33	21.50	—	—		14.3	0.87		19.8	0.90	
59	1.17	2	4	9.5	11.2	X	X	1495	26.04	31.54	991	19.18	22.38	—	—		13.7	0.87		19.2	0.90	
60	1.17	2	4	11.7	13.7	X	—	1495	33.40	39.97	991	25.14	28.70	—	—		—	—		15.5	0.89	
														5VX500			5VX600			5VX710		
61	1.17	1	4	13.7	16.1	X	—	1495	39.05	46.93	991	30.21	34.21	—	—		—	—		—	—	
62	1.18	1	6	4.3	5.1	X	—	1483	—	9.07	983	—	6.46	17.6	0.85		22.6	0.88		28.1	091	
63	1.18	2	4	4.8	5.7	X	—	1483	—	11.39	983	—	8.06	16.8	0.85		21.8	0.88		27.3	0.91	
64	1.18	2	4	4.9	5.8	X	—	1483	—	11.86	983	—	8.38	16.6	0.85		21.6	0.88		27.1	0.91	
65	1.18	1	4	5.3	6.3	X	—	1483	—	13.69	983	—	9.66	15.9	0.85		20.9	0.88		26.4	0.91	
														5VX500			5VX600			5VX710		
66	1.18	1	4	5.5	6.5	X	—	1483	—	14.60	983	—	10.29	15.6	0.85		20.6	0.88		26.1	0.91	
67	1.18	2	4	5.8	6.9	X	—	1483	—	15.95	983	—	11.23	15.0	0.84		20.0	0.88		25.5	0.91	
68	1.18	2	4	5.9	7.0	X	—	1483	—	16.40	983	—	11.55	14.9	0.84		19.9	0.88		25.4	0.91	
69	1.18	2	4	7.1	8.4	X	—	1483	17.10	21.68	983	12.44	15.27	12.8	0.84		17.8	0.87		23.3	0.90	
70	1.18	2	4	7.5	8.9	X	—	1483	18.71	23.40	983	13.62	16.49	12.1	0.84		17.1	0.87		22.6	0.90	
														5VX600			5VX800			5VX1000		
71	1.18	2	4	9.1	10.8	X	—	1483	24.87	30.07	983	18.24	21.29	14.4	0.87		24.4	0.92		34.4	0.96	
72	1.18	2	4	11.1	13.1	X	—	1483	31.80	37.88	983	23.75	27.10	—	—		21.0	0.92		31.0	0.96	
73	1.18	2	10	11.7	13.9	X	—	1483	33.69	40.11	983	25.34	28.80	—	—		19.9	0.91		29.9	0.96	
74	1.18	2	4	13.1	15.5	X	—	1483	37.76	45.06	983	28.92	32.67	—	—		17.5	0.91		27.5	0.95	
75	1.18	5	10	21.1	24.9	X	—	—	—	—	983	45.66	52.32	—	—		—	—		—	—	

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts																				Line No.
Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.				
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F			
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000				
29.1	0.93	34.1	0.95	39.1	0.96	45.1	0.98	51.6	1.00	59.1	1.02	69.1	1.04	79.1	1.06	89.1	1.08	1
28.9	0.93	33.9	0.95	38.9	0.96	44.9	0.98	51.4	1.00	58.9	1.02	68.9	1.04	78.9	1.06	88.9	1.08	2
27.6	0.93	32.6	0.95	37.6	0.96	43.6	0.98	50.1	1.00	57.6	1.02	67.6	1.04	77.6	1.06	87.6	1.08	3
26.4	0.93	31.4	0.95	36.4	0.96	42.4	0.98	48.9	1.00	56.4	1.02	66.4	1.04	76.4	1.06	86.4	1.08	4
25.9	0.93	30.9	0.95	35.9	0.96	41.9	0.98	48.4	1.00	55.9	1.02	65.9	1.04	75.9	1.06	85.9	1.08	5
5VX950		5VX1060		5VX1180		5VX1320		5VX1500		5VX1700		5VX1900		5V2120		5V2360				
31.6	0.95	37.1	0.97	43.1	0.99	50.1	1.01	59.1	1.03	69.1	1.05	79.1	1.07	90.1	1.09	102.1	1.11	6
25.5	0.95	31.0	0.97	37.0	0.99	44.0	1.01	53.0	1.03	63.0	1.05	73.0	1.07	84.0	1.09	96.0	1.10	7
24.6	0.95	30.1	0.97	36.1	0.99	43.1	1.01	52.1	1.03	62.1	1.05	72.1	1.07	83.1	1.09	95.1	1.10	8
—	—	21.8	0.96	27.8	0.98	34.8	1.00	43.8	1.02	53.8	1.05	63.8	1.07	74.8	1.08	86.8	1.10	9
39.6	0.96	45.1	0.98	51.1	0.99	58.1	1.01	67.1	1.03	77.1	1.05	87.1	1.07	98.1	1.09	110.1	1.11	10
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000				
31.9	0.93	36.9	0.95	41.9	0.97	47.9	0.98	54.4	1.00	61.9	1.02	71.9	1.04	81.9	1.06	91.9	1.08	11
30.9	0.93	35.9	0.95	40.9	0.97	46.9	0.98	53.4	1.00	60.9	1.02	70.9	1.04	80.9	1.06	90.9	1.08	12
30.7	0.93	35.7	0.95	40.7	0.97	46.7	0.98	53.2	1.00	60.7	1.02	70.7	1.04	80.7	1.06	90.7	1.08	13
30.4	0.93	35.4	0.95	40.4	0.97	46.4	0.98	52.9	1.00	60.4	1.02	70.4	1.04	80.4	1.06	90.4	1.08	14
29.7	0.93	34.7	0.95	39.7	0.96	45.7	0.98	52.2	1.00	59.7	1.02	69.7	1.04	79.7	1.06	89.7	1.08	15
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000				
29.6	0.93	34.6	0.95	39.6	0.96	45.6	0.98	52.1	1.00	59.6	1.02	69.6	1.04	79.6	1.06	89.6	1.08	16
28.4	0.93	33.4	0.95	38.4	0.96	44.4	0.98	50.9	1.00	58.4	1.02	68.4	1.04	78.4	1.06	88.4	1.08	17
28.1	0.93	33.1	0.95	38.1	0.96	44.1	0.98	50.6	1.00	58.1	1.02	68.1	1.04	78.1	1.06	88.1	1.08	18
25.0	0.92	30.0	0.94	35.0	0.96	41.0	0.98	47.5	1.00	55.0	1.02	65.0	1.04	75.0	1.06	85.0	1.08	19
23.7	0.92	28.7	0.94	33.7	0.96	39.7	0.98	46.2	1.00	53.7	1.02	63.7	1.04	73.7	1.06	83.7	1.08	20
5VX950		5VX1060		5VX1180		5VX1320		5VX1500		5VX1700		5VX1900		5V2120		5V2360				
30.3	0.95	35.8	0.97	41.8	0.99	48.8	1.01	57.8	1.03	67.8	1.05	77.8	1.07	88.8	1.09	100.8	1.11	21
29.3	0.95	34.8	0.97	40.8	0.99	47.8	1.01	56.8	1.03	66.8	1.05	76.8	1.07	87.8	1.09	99.8	1.11	22
24.1	0.95	29.6	0.97	35.6	0.99	42.6	1.01	51.6	1.03	61.6	1.05	71.6	1.07	82.6	1.09	94.6	1.10	23
20.3	0.94	25.8	0.96	31.8	0.98	38.8	1.00	47.8	1.03	57.8	1.05	67.8	1.07	78.8	1.09	90.8	1.10	24
—	—	21.9	0.96	27.9	0.98	34.9	1.00	43.9	1.02	53.9	1.05	63.9	1.07	74.9	1.08	86.9	1.10	25
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000				
31.4	0.93	36.4	0.95	41.4	0.97	47.4	0.98	53.9	1.00	61.4	1.02	71.4	1.04	81.4	1.06	91.4	1.08	26
31.0	0.93	36.0	0.95	41.0	0.97	47.0	0.98	53.5	1.00	61.0	1.02	71.0	1.04	81.1	1.06	91.1	1.08	27
30.3	0.93	35.3	0.95	40.3	0.96	46.3	0.98	52.8	1.00	60.3	1.02	70.3	1.04	80.3	1.06	90.3	1.08	28
30.2	0.93	35.2	0.95	40.2	0.96	46.2	0.98	52.7	1.00	60.2	1.02	70.2	1.04	80.2	1.06	90.2	1.08	29
29.0	0.93	34.0	0.95	39.0	0.96	45.0	0.98	51.5	1.00	59.0	1.02	69.0	1.04	79.0	1.06	89.0	1.08	30
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000				
28.1	0.93	33.1	0.95	38.1	0.96	44.1	0.98	50.6	1.00	58.1	1.02	68.1	1.04	78.1	1.06	88.1	1.08	31
27.3	0.93	32.3	0.95	37.3	0.96	43.3	0.98	49.8	1.00	57.3	1.02	67.3	1.04	77.3	1.06	87.3	1.08	32
26.6	0.93	31.6	0.95	36.7	0.96	42.7	0.98	49.2	1.00	56.7	1.02	66.7	1.04	76.7	1.06	86.7	1.08	33
25.8	0.92	30.8	0.94	35.8	0.96	41.8	0.98	48.3	1.00	55.8	1.02	65.8	1.04	75.8	1.06	85.8	1.08	34
23.6	0.92	28.6	0.94	33.6	0.96	39.6	0.98	46.1	1.00	53.6	1.02	63.6	1.04	73.6	1.06	83.6	1.08	35
5VX850		5VX950		5VX1060		5VX1180		5VX1320		5VX1500		5VX1700		5VX1900		5V2120				
24.2	0.93	29.2	0.95	34.7	0.97	40.7	0.99	47.7	1.01	56.7	1.03	66.7	1.05	76.7	1.07	87.7	1.09	36
18.9	0.92	23.9	0.95	29.4	0.97	35.4	0.99	42.4	1.00	51.4	1.03	61.4	1.05	71.4	1.07	82.4	1.09	37
—	—	20.2	0.94	25.7	0.96	31.7	0.98	38.7	1.00	47.7	1.03	57.7	1.05	67.7	1.07	78.8	1.09	38
34.2	0.94	39.2	0.96	44.7	0.97	50.7	0.99	57.7	1.01	66.7	1.03	76.7	1.05	86.7	1.07	97.7	1.09	39
33.5	0.94	38.5	0.96	44.0	0.97	50.0	0.99	57.0	1.01	66.0	1.03	76.0	1.05	86.0	1.07	97.0	1.09	40
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000				
30.8	0.93	35.8	0.95	40.8	0.96	46.8	0.98	53.3	1.00	60.8	1.02	70.8	1.04	80.8	1.06	90.8	1.08	41
29.9	0.93	34.9	0.95	39.9	0.96	45.9	0.98	52.4	1.00	59.9	1.02	70.0	1.04	80.0	1.06	90.0	1.08	42
29.6	0.93	34.6	0.95	39.6	0.96	45.6	0.98	52.1	1.00	59.6	1.02	69.6	1.04	79.6	1.06	89.6	1.08	43
26.6	0.92	31.6	0.94	36.6	0.96	42.6	0.98	49.1	1.00	56.6	1.02	66.6	1.04	76.6	1.06	86.6	1.08	44
23.8	0.92	28.8	0.94	33.8	0.96	39.8	0.98	46.3	1.00	53.8	1.02	63.8	1.04	73.8	1.06	83.8	1.08	45
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000				
20.9	0.92	25.9	0.94	30.9	0.96	36.9	0.98	43.4	1.00	50.9	1.02	60.9	1.04	70.9	1.06	80.9	1.08	46
16.7	0.91	21.7	0.94	26.7	0.96	32.7	0.98	39.2	1.00	46.8	1.02	56.8	1.04	66.8	1.06	76.8	1.08	47
—	—	17.9	0.93	23.0	0.95	29.0	0.97	35.5	0.99	43.0	1.01	53.0	1.04	63.0	1.06	73.0	1.07	48
32.3	0.93	37.3	0.95	42.3	0.97	46.3	0.98	54.8	1.00	62.3	1.02	72.3	1.04	82.3	1.06	92.3	1.08	49
32.0	0.93	37.0	0.95	42.0	0.97	48.0	0.98	54.5	1.00	62.0	1.02	72.0	1.04	82.0	1.06	92.0	1.08	50
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000				
30.3	0.93	35.3	0.95	40.3	0.96	46.3	0.98	52.8	1.00	60.3	1.02	70.3	1.04	80.3	1.06	90.3	1.08	51
29.2	0.93	34.2	0.95	39.2	0.96	45.2	0.98	51.7	1.00	59.2	1.02	69.2	1.04	79.2	1.06	89.2	1.08	52
28.5	0.93	33.5	0.95	38.5	0.96	44.5	0.98	51.0	1.00	58.5	1.02	68.5	1.04	78.5	1.06	88.5	1.08	53
28.2	0.93	33.2	0.95	38.2	0.96	44.2	0.98	50.7	1.00	58.2	1.02	68.2	1.04	78.2	1.06	88.2	1.08	54
27.4	0.92	32.4	0.94	37.4	0.96	43.4	0.98	49.9	1.00	57.4	1.02	67.4	1.04	77.4	1.06	87.4	1.08	55
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000				
26.2	0.92	31.2	0.94	36.2	0.96	42.2	0.98	48.7	1.00	56.2	1.02	66.2	1.04	76.2	1.06	86.2	1.08	56
25.2	0.92	30.2	0.94	35.2	0.96	41.2	0.98	47.7	1.00	55.2	1.02	65.2	1.04	75.2	1.06	85.2	1.08	57
24.3	0.92	29.3	0.94	34.3	0.96	40.3	0.98	46.8	1.00	54.3	1.02	64.3	1.04	74.3	1.06	84.3	1.08	58
23.7	0.92	28.7	0.94	33.7	0.96	39.7	0.98	46.2	1.00	53.7	1.02	63.7	1.04	73.7	1.06	83.7	1.08	59
20.0	0.92	25.0	0.94	30.0	0.96	36.0	0.98	42.5	1.00	50.1	1.02	60.1	1.04	70.1	1.06	80.1	1.08	60
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000				
16.6	0.91	21.6	0.93	26.6	0.95	32.6	0.97	39.1	0.99	46.6	1.01	56.6	1.04	66.6	1.06	76.6	1.08	61
32.6	0.93	37.6	0.95	42.6	0.97	48.6	0.98	55.1	1.00	62.6	1.02	72.6	1.04	82.6	1.06	92.6	1.08	62
31.8	0.93	36.8	0.95	41.8	0.96	47.8	0.98	54.3	1.00	61.8	1.02	71.8	1.04	81.8	1.06	91.8	1.08	63
31.6	0.93	36.6	0.95	41.6	0.96	47.6	0.98	54.1	1.00	61.6	1.02	71.6	1.04	81.6	1.06	91.6	1.08	64
30.9	0.93	35.9	0.95	40.9	0.96	46.9	0.98	53.4	1.00	60.9	1.02	70.9	1.04	80.9	1.06	90.9	1.08	65
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000				
30.6	0.93	35.6	0.95	40.6	0.96	46.6	0.98	53.1	1.00	60.6	1.02	70.6	1.04	80.6	1.06	90.6	1.08	66
30.0	0.93	35.0	0.95	40.0	0.96	46.0	0.98	52.5	1.00	60.0	1.02	70.0	1.04	80.0	1.06	90.0	1.08	67
29.9	0.93	34.9	0.95	39.9	0.96	45.9	0.98	52.4	1.00	59.9	1.02	69.9	1.04	79.9	1.06	89.9	1.08	68
27.8	0.92	32.8	0.94	37.8	0.96	43.8	0.98	50.3	1.00	57.8	1.02	67.8	1.04	77.8	1.06	87.8	1.08	69
27.1	0.92	32.1	0.94	37.1	0.96	43.1	0.98	49.6	1.00	57.1	1.02	67.1	1.04	77.1	1.06	87.1	1.08	70
5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		5V2240		5V2500		5V2800		5V3150				
46.9	1.00	54.4	1.02	64.4	1.04	74.4	1.06	84.4	1.08	96.4	1.10	109.4	1.11	124.4	1.13	141.9	1.15	71
43.5	1.00	51.0	1.02	61.0	1.04	71.0	1.06	81.0	1.08	93.0	1.10	106.0	1.11	121.0	1.13	138.5	1.15	72
42.4	1.00	49.9	1.02	59.9	1.04	69.9	1.06	79.9	1.08	91.9	1.10	104.9	1.11	119.9	1.13	137.4	1.15	73
40.0	0.99	47.5	1.01	57.5	1.04	67.5	1.06	77.5	1.08	89.5	1.09	102.5	1.11	117.5	1.13	135.0	1.15	74
26.3	0.98	33.8	1.00	43.8	1.03	53.9	1.05	63.9	1.07	75.9	1.09	88.9	1.11	103.9	1.13	121.4	1.15	75

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Pitch Diameter Driver	Pitch Diameter Driven	Type Fix.	Type Var.	1750 RPM Driver: Nominal Driven Speed	1750 RPM Driver: HP per Belt Super	1750 RPM Driver: HP per Belt Gripnotch	1160 RPM Driver: Nominal Driven Speed	1160 RPM Driver: HP per Belt Super	1160 RPM Driver: HP per Belt Gripnotch	Center Distance in Inches and "F" Factor for Browning Belts: Belt No. C.D.	F	Belt No. C.D.	F	Belt No. C.D.	F
														5VX500		5VX600		5VX710	
1	1.19	1	4	5.1	6.1	x	—	1470	—	12.77	974	—	9.02	16.2	0.85	21.2	0.88	26.7	0.91
2	1.19	2	6	6.2	7.4	x	—	1470	—	17.74	974	—	12.49	14.3	0.84	19.3	0.88	24.8	0.91
3	1.19	1	4	6.3	7.5	x	—	1470	—	18.18	974	—	12.80	14.2	0.84	19.2	0.88	24.7	0.91
4	1.19	2	6	6.6	7.9	x	—	1470	—	19.50	974	—	13.73	13.6	0.84	18.6	0.87	24.1	0.90
5	1.19	2	4	8.1	9.7	x	—	1470	21.08	25.94	974	15.38	18.31	11.0	0.83	16.0	0.87	21.5	0.90
														5VX500		5VX600		5VX710	
6	1.19	2	4	12.5	14.9	x	X	1470	36.08	42.98	974	27.41	31.03	—	—	—	—	—	—
7	1.19	1	4	15.5	18.5	x	—	—	—	—	974	34.65	39.04	—	—	—	—	—	—
8	1.20	2	6	4.5	5.4	x	—	1458	—	10.00	966	—	7.10	17.2	0.85	22.2	0.88	27.7	0.91
9	1.20	2	6	4.8	5.8	x	—	1458	—	11.39	966	—	8.06	16.7	0.85	21.7	0.88	27.2	0.91
10	1.20	1	4	4.9	5.9	x	—	1458	—	11.86	966	—	8.38	16.5	0.85	21.5	0.88	27.0	0.91
														5VX500		5VX600		5VX710	
11	1.20	2	4	5.4	6.5	x	—	1458	—	14.14	966	—	9.97	15.6	0.85	20.7	0.88	26.2	0.91
12	1.20	2	4	5.5	6.6	x	—	1458	—	14.60	966	—	10.29	15.5	0.85	20.5	0.88	26.0	0.91
13	1.20	2	6	5.8	7.0	x	—	1458	—	15.95	966	—	11.23	14.9	0.84	19.9	0.88	25.4	0.91
14	1.20	1	4	5.9	7.1	x	—	1458	—	16.40	966	—	11.55	14.8	0.84	19.8	0.88	25.3	0.91
15	1.20	2	4	6.2	7.5	x	—	1458	—	17.74	966	—	12.49	14.2	0.84	19.2	0.88	24.7	0.90
														5VX500		5VX600		5VX710	
16	1.20	1	4	6.7	8.1	x	—	1458	—	19.94	966	—	14.04	13.4	0.84	18.4	0.87	23.9	0.90
17	1.20	2	8	7.0	8.4	x	x	1458	16.69	21.25	966	12.14	14.96	12.9	0.84	17.9	0.87	23.4	0.90
18	1.20	2	8	7.4	8.9	x	X	1458	18.31	22.97	966	13.33	16.19	12.2	0.84	17.2	0.87	22.7	0.90
19	1.20	2	4	7.9	9.5	x	—	1458	20.30	25.10	966	14.79	17.71	11.3	0.84	16.3	0.87	21.8	0.90
20	1.20	2	4	9.2	11.1	x	—	1458	25.24	30.47	966	18.53	21.59	—	—	14.0	0.87	19.5	0.90
														5VX500		5VX600		5VX710	
21	1.20	2	10	9.7	11.7	x	—	1458	27.04	32.48	966	19.93	23.06	—	—	13.2	0.86	18.7	0.90
22	1.20	2	10	12.4	14.9	x	—	1458	35.79	42.62	966	27.15	30.75	—	—	—	—	—	—
23	1.20	2	4	15.5	18.6	x	—	—	—	—	966	34.65	39.04	—	—	—	—	—	—
24	1.21	1	4	4.7	5.7	x	—	1446	—	10.93	958	—	7.74	16.8	0.85	21.8	0.88	27.3	0.91
25	1.21	2	6	5.1	6.2	x	—	1446	—	12.77	958	—	9.02	16.1	0.85	21.1	0.88	26.6	0.91
														5VX500		5VX600		5VX710	
26	1.21	1	4	5.5	6.7	x	—	1446	—	14.60	958	—	10.29	15.4	0.84	20.4	0.88	25.9	0.91
27	1.21	1	4	5.7	6.9	x	—	1446	—	15.50	958	—	10.92	15.1	0.84	20.1	0.88	25.6	0.91
28	1.21	2	4	6.1	7.4	x	—	1446	—	17.29	958	—	12.17	14.4	0.84	19.4	0.88	24.9	0.90
29	1.21	2	4	6.5	7.9	x	—	1446	—	19.06	958	—	13.42	13.7	0.84	18.7	0.87	24.2	0.90
30	1.21	2	4	6.9	8.4	x	—	1446	—	20.81	958	—	14.65	13.0	0.84	18.0	0.87	23.5	0.90
														5VX500		5VX600		5VX710	
31	1.21	1	4	7.5	9.1	x	—	1446	18.71	23.40	958	13.62	16.49	11.9	0.84	17.0	0.87	22.5	0.90
32	1.21	2	10	8.4	10.2	x	X	1446	22.24	27.20	958	16.24	19.21	10.4	0.83	15.4	0.87	20.9	0.90
33	1.21	2	10	8.9	10.8	x	—	1446	24.13	29.25	958	17.68	20.70	—	—	14.5	0.87	20.0	0.90
34	1.21	1	4	9.1	11.1	x	—	1446	24.87	30.07	958	18.24	21.29	—	—	14.1	0.86	19.6	0.90
35	1.21	2	10	9.2	11.2	x	—	1446	25.24	30.47	958	18.53	21.59	—	—	14.0	0.86	19.5	0.90
														5VX500		5VX600		5VX710	
36	1.21	2	10	10.2	12.4	x	—	1446	28.79	34.44	958	21.31	24.52	—	—	12.2	0.86	17.7	0.89
37	1.21	2	10	10.8	13.1	x	—	1446	30.82	36.75	958	22.94	26.24	—	—	—	—	16.7	0.89
38	1.21	2	10	13.1	15.9	x	—	1446	37.76	45.06	958	28.92	32.67	—	—	—	—	—	—
39	1.22	1	4	4.5	5.5	x	—	1434	—	10.00	950	—	7.10	17.1	0.85	22.1	0.88	27.6	0.91
40	1.22	2	4	4.8	5.9	x	—	1434	—	11.39	950	—	8.06	16.6	0.85	21.6	0.88	27.1	0.91
														5VX500		5VX600		5VX710	
41	1.22	1	4	5.3	6.5	x	—	1434	—	13.69	950	—	9.66	15.7	0.84	20.7	0.88	26.2	0.91
42	1.22	2	6	5.4	6.6	x	—	1434	—	14.14	950	—	9.97	15.6	0.84	20.6	0.88	26.1	0.91
43	1.22	2	4	5.7	7.0	x	—	1434	—	15.50	950	—	10.92	15.0	0.84	20.0	0.88	25.5	0.90
44	1.22	2	4	5.8	7.1	x	—	1434	—	15.95	950	—	11.23	14.9	0.84	19.9	0.88	25.4	0.90
45	1.22	1	4	6.1	7.5	x	—	1434	—	17.29	950	—	12.17	14.3	0.84	19.3	0.87	24.8	0.90
														5VX500		5VX600		5VX710	
46	1.22	2	4	6.6	8.1	x	—	1434	—	19.50	950	—	13.73	13.4	0.84	18.4	0.87	23.9	0.90
47	1.22	1	4	7.1	8.7	x	—	1434	17.10	21.68	950	12.44	15.27	12.6	0.84	17.6	0.87	23.1	0.90
48	1.22	2	4	7.4	9.1	x	X	1434	18.31	22.97	950	13.33	16.19	12.0	0.84	17.0	0.87	22.5	0.90
49	1.22	2	4	7.5	9.2	x	—	1434	18.71	23.40	950	13.62	16.49	11.9	0.84	16.9	0.87	22.4	0.90
50	1.22	2	10	7.9	9.7	x	—	1434	20.30	25.10	950	14.79	17.71	11.1	0.83	16.2	0.87	21.7	0.90
														5VX500		5VX600		5VX710	
51	1.22	2	4	10.2	12.5	x	—	1434	28.79	34.44	950	21.31	24.52	—	—	12.1	0.86	17.6	0.89
52	1.22	2	4	11.2	13.7	x	—	1434	32.12	38.26	950	24.01	27.38	—	—	—	—	15.9	0.89
53	1.22	2	4	13.1	16.1	x	—	1434	37.76	45.06	950	28.92	32.67	—	—	—	—	—	—
54	1.23	1	4	4.3	5.3	x	—	1422	—	9.07	943	—	6.46	17.5	0.85	22.5	0.88	28.0	0.91
55	1.23	2	4	4.7	5.8	x	—	1422	—	10.93	943	—	7.74	16.7	0.85	21.8	0.88	27.3	0.91
														5VX500		5VX600		5VX710	
56	1.23	1	4	5.1	6.3	x	—	1422	—	12.77	943	—	9.02	16.0	0.84	21.0	0.88	26.5	0.91
57	1.23	2	4	9.1	11.2	x	—	1422	24.87	30.07	943	18.24	21.29	—	—	14.0	0.86	19.5	0.90
58	1.23	2	4	9.5	11.7	x	X	1422	26.33	31.68	943	19.37	22.47	—	—	13.3	0.86	18.8	0.89
59	1.23	1	4	11.1	13.7	x	—	1422	31.80	37.88	943	23.75	27.10	—	—	—	—	16.0	0.89
60	1.24	1	4	4.9	6.1	x	—	1411	—	11.86	935	—	8.38	16.4	0.84	21.4	0.88	26.9	0.91
														5VX500		5VX600		5VX710	
61	1.24	2	4	5.3	6.6	x	—	1411	—	13.69	935	—	9.66	15.6	0.84	20.6	0.88	26.2	0.91
62	1.24	2	4	5.4	6.7	x	—	1411	—	14.14	935	—	9.97	15.5	0.84	20.5	0.88	26.0	0.90
63	1.24	1	4	5.7	7.1	x	—	1411	—	15.50	935	—	10.92	14.9	0.84	19.9	0.87	25.4	0.90
64	1.24	1	4	6.5	8.1	x	—	1411	—	19.06	935	—	13.42	13.5	0.84	18.5	0.87	24.0	0.90
65	1.24	2	4	7.0	8.7	x	X	1411	16.69	21.25	935	12.14	14.96	12.6	0.84	17.7	0.87	23.2	0.90
														5VX500		5VX600		5VX710	
66	1.24	2	8	7.4	9.2	x	X	1411	18.31	22.97	935	13.33	16.19	11.9	0.83	16.9	0.87	22.5	0.90
67	1.24	2	4	8.7	10.8	x	—	1411	23.38	28.43	935	17.11	20.11	—	—	14.7	0.86	20.2	0.90
68	1.24	2	4	8.9	11.1	x	—	1411	24.13	29.25	935	17.68	20.70	—	—	14.3	0.86	19.8	0.90
69	1.24	2	10	11.2	13.9	x	—	1411	32.12	38.26	935	24.01	27.38	—	—	—	—	15.7	0.89
70	1.24	1	4	12.5	15.5	x	X	1411	36.08	42.98	935	27.41	31.03	—	—	—	—	—	—
														5VX500		5VX630		5VX750	
71	1.24	2	4	14.9	18.5	x	—	—	—	—	935	33.27	37.48	—	—	—	—	—	—
72	1.24	2	10	14.9	18.6	x	—	—	—	—	935	33.27	37.48	—	—	—	—	—	—
73	1.24	1	4	16.1	20.1	x	—	—	—	—	935	36.00	40.57	—	—	—	—	—	—
74	1.25	2	6	4.3	5.4	x	—	1400	—	9.21	928	—	6.55	17.4	0.85	23.9	0.89	29.9	0.92
75	1.25	1	4	4.7	5.9	x	—	1400	—	11.07	928	—	7.84	16.7	0.85	23.2	0.89	29.2	0.92

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts																				Line No.
Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No				
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F			
5VX800		5VX900		5VX10000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000				
31.2	0.93	36.2	0.95	41.2	0.96	47.2	0.98	53.7	1.00	61.2	1.02	71.2	1.04	81.2	1.06	91.2	1.08	1
29.3	0.93	34.3	0.95	39.3	0.96	45.3	0.98	51.8	1.00	59.3	1.02	69.3	1.04	79.3	1.06	89.3	1.08	2
29.2	0.93	34.2	0.95	39.2	0.96	45.2	0.98	51.7	1.00	59.2	1.02	69.2	1.04	79.2	1.06	89.2	1.08	3
28.6	0.92	33.6	0.95	38.6	0.96	44.6	0.98	51.1	1.00	58.6	1.02	68.6	1.04	78.6	1.06	88.6	1.08	4
26.0	0.92	31.0	0.94	36.0	0.96	42.0	0.98	48.5	1.00	56.0	1.02	66.0	1.04	76.0	1.06	86.0	1.08	5
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000				
18.5	0.91	23.5	0.94	28.5	0.95	34.5	0.98	41.0	0.99	48.5	1.01	58.5	1.04	68.5	1.06	78.5	1.08	6
—	—	18.2	0.93	23.3	0.95	29.3	0.97	35.8	0.99	43.3	1.01	53.3	1.04	63.3	1.06	73.3	1.07	7
32.2	0.93	37.2	0.95	42.2	0.96	48.2	0.98	54.7	1.00	62.2	1.02	72.2	1.04	82.2	1.06	92.2	1.08	8
31.7	0.93	36.7	0.95	41.7	0.96	47.7	0.98	54.2	1.00	61.7	1.02	71.7	1.04	81.7	1.06	91.7	1.08	9
31.5	0.93	36.5	0.95	41.5	0.96	47.5	0.98	54.0	1.00	61.5	1.02	71.5	1.04	81.5	1.06	91.5	1.08	10
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000				
30.7	0.93	35.7	0.95	40.7	0.96	46.7	0.98	53.2	1.00	60.7	1.02	70.7	1.04	80.7	1.06	90.7	1.08	11
30.5	0.93	35.5	0.95	40.5	0.96	46.5	0.98	53.0	1.00	60.5	1.02	70.5	1.04	80.5	1.06	90.5	1.08	12
29.9	0.93	34.9	0.95	39.9	0.96	45.9	0.98	52.4	1.00	59.9	1.02	69.9	1.04	79.9	1.06	89.9	1.08	13
29.8	0.93	34.8	0.95	39.8	0.96	45.8	0.98	52.3	1.00	59.8	1.02	69.8	1.04	79.8	1.06	89.8	1.08	14
29.2	0.93	34.2	0.95	39.2	0.96	45.2	0.98	51.7	1.00	59.2	1.02	69.2	1.04	79.2	1.06	89.2	1.08	15
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000				
28.4	0.92	33.4	0.94	38.4	0.96	44.4	0.98	50.9	1.00	58.4	1.02	68.4	1.04	78.4	1.06	88.4	1.08	16
27.9	0.92	32.9	0.94	37.9	0.96	43.9	0.98	50.4	1.00	57.9	1.02	67.9	1.04	77.9	1.06	87.9	1.08	17
27.2	0.92	32.2	0.94	37.2	0.96	43.2	0.98	49.7	1.00	57.2	1.02	67.2	1.04	77.2	1.06	87.2	1.08	18
26.3	0.92	31.3	0.94	36.3	0.96	42.3	0.98	48.8	1.00	56.3	1.02	66.3	1.04	76.3	1.06	86.3	1.08	19
24.0	0.92	29.0	0.94	34.1	0.96	40.1	0.98	46.6	1.00	54.1	1.02	64.1	1.04	74.1	1.06	84.1	1.08	20
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000				
23.2	0.92	28.2	0.94	33.2	0.96	39.2	0.98	45.7	1.00	53.2	1.02	63.2	1.04	73.2	1.06	83.2	1.08	21
18.5	0.91	23.5	0.93	28.5	0.95	34.5	0.97	41.1	0.99	48.6	1.01	58.6	1.04	68.6	1.06	78.6	1.08	22
—	—	18.2	0.92	23.2	0.95	29.2	0.97	35.7	0.99	43.2	1.01	53.2	1.03	63.2	1.06	73.2	1.07	23
31.8	0.93	36.8	0.95	41.8	0.96	47.8	0.98	54.3	1.00	61.8	1.02	71.8	1.04	81.8	1.06	91.8	1.08	24
31.1	0.93	36.1	0.95	41.1	0.96	47.1	0.98	53.6	1.00	61.1	1.02	71.1	1.04	81.1	1.06	91.1	1.08	25
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000				
30.4	0.93	35.4	0.95	40.4	0.96	46.4	0.98	52.9	1.00	60.4	1.02	70.4	1.04	80.4	1.06	90.4	1.08	26
30.1	0.93	35.1	0.95	40.1	0.96	46.1	0.98	52.6	1.00	60.1	1.02	70.1	1.04	80.1	1.06	90.1	1.08	27
29.4	0.93	34.4	0.95	39.4	0.96	45.4	0.98	51.9	1.00	59.4	1.02	69.4	1.04	79.4	1.06	89.4	1.08	28
28.7	0.92	33.7	0.94	38.7	0.96	44.7	0.98	51.2	1.00	58.7	1.02	68.7	1.04	78.7	1.06	88.7	1.08	29
28.0	0.92	33.0	0.94	38.0	0.96	44.0	0.98	50.5	1.00	58.0	1.02	68.0	1.04	78.0	1.06	88.0	1.08	30
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000				
27.0	0.92	32.0	0.94	37.0	0.96	43.0	0.98	49.5	1.00	57.0	1.02	67.0	1.04	77.0	1.06	87.0	1.08	31
25.4	0.92	30.4	0.94	35.4	0.96	41.4	0.98	47.9	1.00	55.4	1.02	65.4	1.04	75.4	1.06	85.4	1.08	32
24.5	0.92	29.5	0.94	34.5	0.96	40.5	0.98	47.0	1.00	54.5	1.02	64.5	1.04	74.5	1.06	84.5	1.08	33
24.1	0.92	29.1	0.94	34.1	0.96	40.1	0.98	46.6	1.00	54.1	1.02	64.1	1.04	74.1	1.06	84.1	1.08	34
24.0	0.92	29.0	0.94	34.0	0.96	40.0	0.98	46.5	1.00	54.0	1.02	64.0	1.04	74.0	1.06	84.0	1.08	35
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000				
22.2	0.92	27.2	0.94	32.2	0.96	38.2	0.98	44.7	1.00	52.2	1.02	62.2	1.04	72.3	1.06	82.3	1.08	36
21.2	0.92	26.2	0.94	31.2	0.96	37.2	0.98	43.7	1.00	51.2	1.02	61.2	1.04	71.2	1.06	81.2	1.08	37
17.2	0.91	22.2	0.93	27.2	0.95	33.2	0.97	39.7	0.99	47.2	1.01	57.2	1.04	67.2	1.06	77.2	1.07	38
32.1	0.93	37.1	0.95	42.1	0.96	48.1	0.98	54.6	1.00	62.1	1.02	72.1	1.04	82.1	1.06	92.1	1.08	39
31.6	0.93	36.6	0.95	41.6	0.96	47.6	0.98	54.1	1.00	61.6	1.02	71.6	1.04	81.6	1.06	91.6	1.08	40
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000				
30.7	0.93	35.7	0.95	40.7	0.96	46.7	0.98	53.2	1.00	60.7	1.02	70.7	1.04	80.7	1.06	90.7	1.08	41
30.6	0.93	35.6	0.95	40.6	0.96	46.6	0.98	53.1	1.00	60.6	1.02	70.6	1.04	80.6	1.06	90.6	1.08	42
30.0	0.93	35.0	0.95	40.0	0.96	46.0	0.98	52.5	1.00	60.0	1.02	70.0	1.04	80.0	1.06	90.0	1.08	43
29.9	0.93	34.9	0.95	39.9	0.96	45.9	0.98	52.4	1.00	59.9	1.02	69.9	1.04	79.9	1.06	89.9	1.08	44
29.3	0.92	34.3	0.94	39.3	0.96	45.3	0.98	51.8	1.00	59.3	1.02	69.3	1.04	79.3	1.06	89.3	1.08	45
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000				
28.5	0.92	33.5	0.94	38.5	0.96	44.5	0.98	51.0	1.00	58.5	1.02	68.5	1.04	78.5	1.06	88.5	1.08	46
27.6	0.92	32.6	0.94	37.6	0.96	43.6	0.98	50.1	1.00	57.6	1.02	67.6	1.04	77.6	1.06	87.6	1.08	47
27.0	0.92	32.0	0.94	37.0	0.96	43.0	0.98	49.5	1.00	57.0	1.02	67.0	1.04	77.0	1.06	87.0	1.08	48
26.9	0.92	31.9	0.94	36.9	0.96	42.9	0.98	49.4	1.00	56.9	1.02	66.9	1.04	76.9	1.06	86.9	1.08	49
26.2	0.92	31.2	0.94	36.2	0.96	42.2	0.98	48.7	1.00	56.2	1.02	66.2	1.04	76.2	1.06	86.2	1.08	50
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000				
22.2	0.92	27.2	0.94	32.2	0.96	38.2	0.98	44.7	1.00	52.2	1.02	62.2	1.04	72.2	1.06	82.2	1.08	51
20.4	0.91	25.4	0.94	30.4	0.96	36.4	0.98	42.9	1.00	50.4	1.01	60.4	1.04	70.4	1.06	80.4	1.08	52
17.0	0.90	22.0	0.93	27.0	0.95	33.0	0.97	39.5	0.99	47.1	1.01	57.1	1.04	67.1	1.06	77.1	1.07	53
32.5	0.93	37.5	0.95	42.5	0.96	48.5	0.98	55.0	1.00	62.5	1.02	72.5	1.04	82.5	1.06	92.5	1.08	54
31.8	0.93	36.8	0.95	41.8	0.96	47.8	0.98	54.3	1.00	61.8	1.02	71.8	1.04	81.8	1.06	91.8	1.08	55
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000				
31.0	0.93	36.0	0.95	41.0	0.96	47.0	0.98	53.5	1.00	61.0	1.02	71.0	1.04	81.0	1.06	91.0	1.08	56
24.0	0.92	29.0	0.94	34.0	0.96	40.1	0.98	46.6	1.00	54.1	1.02	64.1	1.04	74.1	1.06	84.1	1.08	57
23.3	0.92	28.3	0.94	33.3	0.96	39.3	0.98	45.8	1.00	53.3	1.02	63.3	1.04	73.3	1.06	83.4	1.08	58
20.5	0.91	25.5	0.94	30.5	0.95	36.5	0.98	43.0	0.99	50.5	1.01	60.5	1.04	70.5	1.06	80.5	1.08	59
31.4	0.93	36.4	0.95	41.4	0.96	47.4	0.98	53.9	1.00	61.4	1.02	71.4	1.04	81.4	1.06	91.4	1.08	60
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000				
30.7	0.93	35.7	0.95	40.7	0.96	46.7	0.98	53.2	1.00	60.7	1.02	70.7	1.04	80.7	1.06	90.7	1.08	61
30.5	0.93	35.5	0.95	40.5	0.96	46.5	0.98	53.0	1.00	60.5	1.02	70.5	1.04	80.5	1.06	90.5	1.08	62
29.9	0.92	34.9	0.94	39.9	0.96	45.9	0.98	52.4	1.00	59.9	1.02	69.9	1.04	79.9	1.06	89.9	1.08	63
28.5	0.92	33.5	0.94	38.5	0.96	44.5	0.98	51.0	1.00	58.5	1.02	68.5	1.04	78.5	1.06	88.5	1.08	64
37.7	0.92	32.7	0.94	37.7	0.96	43.7	0.98	50.2	1.00	57.7	1.02	67.7	1.04	77.7	1.06	87.7	1.08	65
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000				
27.0	0.92	32.0	0.94	37.0	0.96	43.0	0.98	49.5	1.00	57.0	1.02	67.0	1.04	77.0	1.06	87.0	1.08	66
24.7	0.92	29.7	0.94	34.7	0.96	40.7	0.98	47.2	1.00	54.7	1.02	64.7	1.04	74.7	1.06	84.7	1.08	67
24.3	0.92	29.3	0.94	34.3	0.96	40.3	0.98	46.8	1.00	54.3	1.02	64.3	1.04	74.3	1.06	84.3	1.08	68
20.3	0.91	25.3	0.93	30.3	0.95	36.3	0.97	42.8	0.99	50.3	1.01	60.3	1.04	70.3	1.06	80.3	1.08	69
18.0	0.91	23.0	0.93	28.0	0.95	34.0	0.97	40.5	0.99	48.0	1.01	58.0	1.04	68.0	1.06	78.0	1.07	70
5VX850		5VX950		5VX1060		5VX1180		5VX1320		5VX1500		5VX1700		5VX1900		5V2120				
—	—	21.2	0.93	26.7	0.96	32.7	0.98	39.7	1.00	48.7	1.02	58.8	1.04	68.8	1.06	79.8	1.08	71
—	—	21.1	0.93	26.6	0.96	32.7	0.98	39.7	1.00	48.7	1.02	58.7	1.04	68.7	1.06	79.7	1.08	72
—	—	19.0	0.93	24.5	0.95	30.5	0.97	37.5	1.00	46.5	1.02	56.5	1.04	66.6	1.06	77.6	1.08	73
34.9	0.94	39.9	0.96	45.4	0.97	51.4	0.99	58.4	1.01	67.4	1.03	77.4	1.05	87.4	1.07	98.4	1.09	74
34.2	0.94	39.2	0.96	44.7	0.97	50.7	0.99	57.7	1.01	66.7	1.03	76.7	1.05	86.7	1.07	97.7	1.09	75

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For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Pitch Diameter Driver	Pitch Diameter Driven	Type Fix.	Type Var.	Nominal Driven Speeds and Horsepower per Belt — 1750 RPM Driver: Nominal Driven Speed	HP per Belt Super	HP per Belt Gripnotch	1160 RPM Driver: Nominal Driven Speed	HP per Belt Super	HP per Belt Gripnotch	Center Distance in Inches and "F" Factor for Browning Belts: Belt No.	C.D.	F	Belt No.	C.D.	F	Belt No.	C.D.	F
														5VX500			5VX600			5VX710		
1	1.25	1	4	5.5	6.9	x	—	1400	—	14.74	928	—	10.35	15.2		0.84	20.3		0.87	25.8		0.90
2	1.25	2	4	5.9	7.4	x	—	1400	—	16.54	928	—	11.64	14.5		0.84	19.5		0.87	25.0		0.90
3	1.25	2	4	6.3	7.9	x	—	1400	—	18.32	928	—	12.89	13.8		0.84	18.8		0.87	24.3		0.90
4	1.25	2	4	6.7	8.4	x	—	1400	—	20.08	928	—	14.13	13.1		0.84	18.1		0.87	23.6		0.90
5	1.25	2	4	7.1	8.9	x	—	1400	17.10	21.82	928	12.44	15.36	12.4		0.83	17.4		0.87	22.9		0.90
														5VX500			5VX600			5VX710		
6	1.25	2	4	8.1	10.2	x	—	1400	21.08	26.08	928	15.38	18.40	10.6		0.83	15.6		0.87	21.1		0.90
7	1.25	2	10	8.9	11.2	x	—	1400	24.13	29.39	928	17.68	20.79	—		—	14.2		0.86	19.7		0.89
8	1.25	2	4	11.1	13.9	x	—	1400	31.80	38.02	928	23.75	27.19	—		—	—		—	15.8		0.89
9	1.25	2	4	12.4	15.5	x	—	1400	35.79	42.76	928	27.15	30.84	—		—	—		—	—		—
10	1.26	1	4	4.5	5.7	x	—	1388	—	10.14	920	—	7.19	17.0		0.85	22.0		0.88	27.5		0.91
														5VX500			5VX600			5VX710		
11	1.26	2	4	4.9	6.2	x	—	1388	—	12.00	920	—	8.48	16.3		0.84	21.3		0.88	26.8		0.91
12	1.26	1	4	5.3	6.7	x	—	1388	—	13.83	920	—	9.75	15.6		0.84	20.6		0.88	26.1		0.90
13	1.26	1	4	6.9	8.7	x	—	1388	—	20.95	920	—	14.75	12.7		0.84	17.7		0.87	23.2		0.90
14	1.26	1	4	7.5	9.5	x	—	1388	18.94	23.54	920	13.77	16.58	11.6		0.83	16.6		0.87	22.1		0.90
15	1.26	2	4	10.8	13.7	x	—	1388	31.05	36.89	920	23.10	26.34	—		—	—		—	16.2		0.89
														5VX560			5VX750			5VX900		
16	1.26	2	4	15.9	20.1	x	—	—	—	—	920	35.71	40.15	—		—	—		—	—		—
17	1.26	2	10	18.6	23.5	x	—	—	—	—	920	41.34	46.77	—		—	—		—	—		—
18	1.27	1	4	4.3	5.5	x	—	1377	—	9.21	913	—	6.55	20.3		0.87	29.8		0.92	37.3		0.95
19	1.27	2	4	4.8	6.1	x	—	1377	—	11.53	913	—	8.16	19.4		0.86	28.9		0.91	36.4		0.95
20	1.27	1	4	5.1	6.5	x	—	1377	—	12.91	913	—	9.11	18.9		0.86	28.4		0.91	35.9		0.95
														5VX500			5VX600			5VX710		
21	1.27	2	4	5.4	6.9	x	—	1377	—	14.28	913	—	10.07	15.3		0.84	20.3		0.87	25.8		0.90
22	1.27	2	4	5.5	7.0	x	—	1377	—	14.74	913	—	10.38	15.2		0.84	20.2		0.87	25.7		0.90
23	1.27	2	6	5.8	7.4	x	—	1377	—	16.09	913	—	11.33	14.6		0.84	19.6		0.87	25.1		0.90
24	1.27	1	4	5.9	7.5	x	—	1377	—	16.54	913	—	11.64	14.5		0.84	19.5		0.87	25.0		0.90
25	1.27	2	6	6.2	7.9	x	—	1377	—	17.88	913	—	12.58	13.9		0.84	18.9		0.87	24.4		0.90
														5VX500			5VX600			5VX710		
26	1.27	2	6	6.6	8.4	x	—	1377	—	19.64	913	—	13.82	13.2		0.84	18.2		0.87	23.7		0.90
27	1.27	2	8	7.0	8.9	x	X	1377	16.92	21.39	913	12.29	15.05	12.5		0.83	17.5		0.87	23.0		0.90
28	1.27	1	4	8.7	11.1	x	—	1377	23.61	28.57	913	17.26	20.20	—		—	14.4		0.86	19.9		0.89
29	1.27	2	10	9.2	11.7	x	—	1377	25.47	30.61	913	18.68	21.68	—		—	13.5		0.86	19.1		0.89
30	1.27	2	10	9.7	12.4	x	—	1377	27.27	32.62	913	20.08	23.15	—		—	12.6		0.85	18.1		0.89
														5VX560			5VX750			5VX900		
31	1.27	2	10	11.7	14.9	x	—	1377	33.92	40.25	913	25.49	28.89	—		—	16.5		0.89	24.1		0.93
32	1.27	2	4	12.5	15.9	x	X	1377	36.31	43.12	913	27.56	31.12	—		—	15.1		0.89	22.6		0.93
33	1.27	1	4	18.5	23.5	x	—	—	—	—	913	41.15	46.54	—		—	—		—	—		—
34	1.28	2	6	4.5	5.8	x	—	1367	—	10.14	906	—	7.19	19.9		0.86	29.4		0.91	36.9		0.95
35	1.28	1	4	4.9	6.3	x	—	1367	—	12.00	906	—	8.48	19.2		0.86	28.7		0.91	36.2		0.95
														5VX500			5VX600			5VX710		
36	1.28	1	4	6.3	8.1	x	—	1367	—	18.32	906	—	12.89	13.7		0.84	18.7		0.87	24.2		0.90
37	1.28	2	4	6.9	8.9	x	—	1367	—	20.95	906	—	14.75	12.6		0.83	17.6		0.87	23.1		0.90
38	1.28	1	4	7.1	9.1	x	—	1367	17.33	21.82	906	12.59	15.36	12.2		0.83	17.3		0.87	22.8		0.90
39	1.28	2	4	7.4	9.5	x	X	1367	18.54	23.11	906	13.48	16.28	11.7		0.83	16.7		0.87	22.2		0.90
40	1.28	2	10	8.4	10.8	x	X	1367	22.47	27.33	906	16.40	19.30	—		—	14.9		0.86	20.4		0.89
														5VX500			5VX600			5VX710		
41	1.28	2	4	8.7	11.2	x	—	1367	23.61	28.57	906	17.26	20.20	—		—	14.3		0.86	19.8		0.89
42	1.28	2	4	9.1	11.7	x	—	1367	25.10	30.21	906	18.40	21.39	—		—	13.6		0.86	19.1		0.89
43	1.28	2	4	9.7	12.5	x	—	1367	27.27	32.62	906	20.08	23.15	—		—	12.5		0.85	18.0		0.89
44	1.28	2	10	10.2	13.1	x	—	1367	29.02	34.58	908	21.46	24.61	—		—	—		—	17.1		0.89
45	1.28	2	10	10.8	13.9	x	—	1367	31.05	36.89	906	23.10	26.34	—		—	—		—	16.0		0.88
														5VX500			5VX600			5VX710		
46	1.28	2	10	12.4	15.9	x	—	1367	36.02	42.76	906	27.30	30.84	—		—	—		—	—		—
47	1.28	1	4	12.5	16.1	x	X	1367	36.31	43.12	906	27.56	31.12	—		—	—		—	—		—
48	1.29	1	4	4.7	6.1	x	—	1356	—	11.07	899	—	7.84	16.5		0.84	21.5		0.88	27.0		0.90
49	1.29	2	6	4.8	6.2	x	—	1356	—	11.53	899	—	8.16	16.4		0.84	21.4		0.88	26.9		0.90
50	1.29	2	6	5.1	6.6	x	—	1356	—	12.91	899	—	9.11	15.8		0.84	20.8		0.87	26.3		0.90
														5VX500			5VX600			5VX710		
51	1.29	2	6	5.4	7.0	x	—	1356	—	14.28	899	—	10.07	15.2		0.84	20.3		0.87	25.8		0.90
52	1.29	1	4	5.5	7.1	x	—	1356	—	14.74	899	—	10.38	15.1		0.84	20.1		0.87	25.6		0.90
53	1.29	2	4	5.7	7.4	x	—	1356	—	15.64	899	—	11.01	14.7		0.84	19.7		0.87	25.2		0.90
54	1.29	2	4	5.8	7.5	x	—	1356	—	16.09	899	—	11.33	14.5		0.84	19.5		0.87	25.0		0.90
55	1.29	2	4	6.1	7.9	x	—	1356	—	17.43	899	—	12.27	14.0		0.84	19.0		0.87	24.5		0.90
														5VX500			5VX600			5VX710		
56	1.29	2	4	6.5	8.4	x	—	1356	—	19.20	899	—	13.51	13.3		0.84	18.3		0.87	23.8		0.90
57	1.29	1	4	6.7	8.7	x	—	1356	—	20.08	899	—	14.13	12.9		0.83	17.9		0.87	23.4		0.90
58	1.29	2	4	7.1	9.2	x	—	1356	17.33	21.82	899	12.59	15.36	12.2		0.83	17.2		0.87	22.7		0.90
59	1.29	2	4	7.5	9.7	x	—	1356	18.94	23.54	899	13.77	16.58	11.4		0.83	16.5		0.87	22.0		0.90
60	1.29	2	10	7.9	10.2	x	—	1356	20.53	25.24	899	14.95	17.80	10.7		0.82	15.7		0.86	21.3		0.90
														5VX500			5VX630			5VX750		
61	1.29	2	4	12.4	16.1	x	—	1356	36.02	42.76	899	27.30	30.84	—		—	—		—	15.0		0.88
62	1.29	1	4	15.5	20.1	x	—	—	—	—	899	34.81	39.13	—		—	—		—	—		—
63	1.30	1	4	5.3	6.9	x	—	1346	—	13.83	892	—	9.75	15.4		0.84	21.9		0.88	27.9		0.91
64	1.30	2	4	6.2	8.1	x	—	1346	—	17.88	892	—	12.58	13.7		0.84	20.3		0.88	26.3		0.91
65	1.30	2	4	7.0	9.1	x	X	1346	16.92	21.39	892	12.29	15.05	12.3		0.83	18.8		0.88	24.8		0.91
														5VX500			5VX600			5VX710		
66	1.30	2	4	9.5	12.4	x	X	1346	26.56	31.82	892	19.52	22.57	—		—	12.7		0.85	18.3		0.89
67	1.31	1	4	4.5	5.9	x	—	1335	—	10.14	885	—	7.19	16.8		0.84	21.8		0.88	27.3		0.90
68	1.31	2	4	4.7	6.2	x	—	1335	—	11.07	885	—	7.84	16.4		0.84	21.4		0.87	26.9		0.90
69	1.31	2	4	4.8	6.3	x	—	1335	—	11.53	885	—	8.16	16.3		0.84	21.3		0.87	26.8		0.90
70	1.31	1	4	5.1	6.7	x	—	1335	—	12.91	885	—	9.11	15.7		0.84	20.7		0.87	26.2		0.90
														5VX500			5VX600			5VX710		
71	1.31	2	4	5.4	7.1	x	—	1335	—	14.28	885	—	10.07	15.2		0.84	20.2		0.87	25.7		0.90
72	1.31	1	4	5.7	7.5	x	—	1335	—	15.64	885	—	11.01	14.6		0.84	19.6		0.87	25.1		0.90
73	1.31	2	4	6.6	8.7	x	—	1335	—	19.64	885	—	13.82	12.9		0.83	18.0		0.87	23.5		0.90
74	1.31	1	4	6.9	9.1	x	—	1335	—	20.95	885	—	14.75	12.4		0.83	17.4		0.87	22.9		0.90
75	1.31	2	8	7.0	9.2	x	X	1335	16.92	21.39	885	12.29	15.05	12.2		0.83	17.2		0.87	22.8		0.90

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts

Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		
30.3	0.92	35.3	0.94	40.3	0.96	46.3	0.98	52.8	1.00	60.3	1.02	70.3	1.04	80.3	1.06	90.3	1.08	1
29.5	0.92	34.6	0.94	39.6	0.96	45.6	0.98	52.1	1.00	59.6	1.02	69.6	1.04	79.6	1.06	89.6	1.08	2
28.8	0.92	33.8	0.94	38.8	0.96	44.8	0.98	51.3	1.00	58.8	1.02	68.8	1.04	78.8	1.06	88.8	1.08	3
28.1	0.92	33.1	0.94	38.1	0.96	44.1	0.98	50.6	1.00	58.1	1.02	68.1	1.04	78.1	1.06	88.1	1.08	4
27.4	0.92	32.4	0.94	37.4	0.96	43.4	0.98	49.9	1.00	57.4	1.02	67.4	1.04	77.1	1.06	87.4	1.08	5
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		
25.6	0.92	30.6	0.94	35.6	0.96	41.6	0.98	48.1	1.00	55.6	1.02	65.6	1.04	75.6	1.06	85.6	1.08	6
24.2	0.92	29.2	0.94	34.2	0.96	40.2	0.98	46.7	1.00	54.2	1.02	64.2	1.04	74.2	1.06	84.2	1.08	7
20.3	0.91	25.3	0.93	30.3	0.95	36.3	0.97	42.9	0.99	50.4	1.01	60.4	1.04	70.4	1.06	80.4	1.08	8
18.0	0.91	23.0	0.93	28.1	0.95	34.1	0.97	40.6	0.99	48.1	1.01	58.1	1.04	68.1	1.06	78.1	1.07	9
32.0	0.93	37.0	0.95	42.0	0.96	48.0	0.98	54.5	1.00	62.0	1.02	72.0	1.04	82.0	1.06	92.0	1.08	10
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		
31.3	0.93	36.3	0.95	41.3	0.96	47.3	0.98	53.8	1.00	61.3	1.02	71.3	1.04	81.3	1.06	91.3	1.08	11
30.6	0.92	35.6	0.94	40.6	0.96	46.6	0.98	53.1	1.00	60.6	1.02	70.6	1.04	80.6	1.06	90.6	1.08	12
27.7	0.92	32.7	0.94	37.7	0.96	43.7	0.98	50.2	1.00	57.7	1.02	67.7	1.04	77.7	1.06	87.7	1.08	13
26.6	0.92	31.6	0.94	36.6	0.96	42.6	0.98	49.1	1.00	56.6	1.02	66.6	1.04	76.6	1.06	86.6	1.08	14
20.7	0.91	25.7	0.93	30.7	0.95	36.7	0.97	43.2	0.99	50.7	1.01	60.8	1.04	70.8	1.06	80.8	1.07	15
5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		5V2240		5V2500		
21.6	0.94	27.7	0.96	34.2	0.98	41.7	1.01	51.7	1.03	61.7	1.05	71.7	1.07	83.7	1.09	96.7	1.11	16
—	—	22.8	0.95	29.3	0.98	36.9	1.00	46.9	1.03	56.9	1.05	66.9	1.07	78.9	1.09	91.9	1.11	17
42.3	0.96	48.3	0.98	54.8	1.00	62.3	1.02	72.3	1.04	82.3	1.06	92.3	1.08	104.3	1.10	117.3	1.12	18
41.4	0.96	47.4	0.98	53.9	1.00	61.4	1.02	71.4	1.04	81.4	1.06	91.4	1.08	103.4	1.10	116.4	1.12	19
40.9	0.96	46.9	0.98	53.4	1.00	60.9	1.02	70.9	1.04	80.9	1.06	90.9	1.08	102.9	1.10	115.9	1.12	20
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		
30.3	0.92	35.3	0.94	40.3	0.96	46.3	0.98	52.8	1.00	60.3	1.02	70.3	1.04	80.3	1.06	90.3	1.08	21
30.2	0.92	35.2	0.94	40.2	0.96	46.2	0.98	52.7	1.00	60.2	1.02	70.2	1.04	80.2	1.06	90.2	1.08	22
29.6	0.92	34.6	0.94	39.6	0.96	45.6	0.98	52.1	1.00	59.6	1.02	69.6	1.04	79.6	1.06	89.6	1.08	23
29.5	0.92	34.5	0.94	39.5	0.96	45.5	0.98	52.0	1.00	59.5	1.02	69.5	1.04	79.5	1.06	89.5	1.08	24
28.9	0.92	33.9	0.94	38.9	0.96	44.9	0.98	51.4	1.00	58.9	1.02	68.9	1.04	78.9	1.06	88.9	1.08	25
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		
28.2	0.92	33.2	0.94	38.2	0.96	44.2	0.98	50.7	1.00	58.2	1.02	68.2	1.04	78.2	1.06	88.2	1.08	26
27.5	0.92	32.5	0.94	37.5	0.96	43.5	0.98	50.0	1.00	57.5	1.02	67.5	1.04	77.5	1.06	87.5	1.08	27
24.4	0.92	29.4	0.94	34.4	0.96	40.4	0.98	46.9	1.00	54.4	1.02	64.4	1.04	74.4	1.06	84.4	1.08	28
23.6	0.92	28.6	0.94	33.6	0.96	39.6	0.98	46.1	1.00	53.6	1.02	63.6	1.04	73.6	1.06	83.6	1.08	29
22.6	0.91	27.6	0.94	32.6	0.96	38.6	0.98	45.1	0.99	52.6	1.01	62.6	1.04	72.6	1.06	82.6	1.08	30
5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		5V2240		5V2500		
29.1	0.95	35.1	0.97	41.6	0.99	49.1	1.01	59.1	1.04	69.1	1.06	79.1	1.07	91.1	1.09	104.1	1.11	31
27.7	0.95	33.7	0.97	40.2	0.99	47.7	1.01	57.7	1.03	67.7	1.06	77.7	1.07	89.7	1.09	102.7	1.11	32
—	—	22.9	0.95	29.4	0.98	36.9	1.00	47.0	1.03	57.0	1.05	67.0	1.07	79.0	1.09	92.0	1.11	33
41.9	0.96	47.9	0.98	54.4	1.00	61.9	1.02	71.9	1.04	81.9	1.06	91.9	1.08	103.9	1.10	116.9	1.12	34
41.2	0.96	47.2	0.98	53.7	1.00	61.2	1.02	71.2	1.04	81.2	1.06	91.2	1.08	103.2	1.10	116.2	1.12	35
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		
28.7	0.92	33.7	0.94	38.7	0.96	44.7	0.98	51.2	1.00	58.7	1.02	68.7	1.04	78.7	1.06	88.7	1.08	36
27.6	0.92	32.6	0.94	37.6	0.96	43.6	0.98	50.1	1.00	57.6	1.02	67.6	1.04	77.6	1.06	87.6	1.08	37
27.3	0.92	32.3	0.94	37.3	0.96	43.3	0.98	49.8	1.00	57.3	1.02	67.3	1.04	77.3	1.06	87.3	1.08	38
26.7	0.92	31.7	0.94	36.7	0.96	42.7	0.98	49.2	1.00	56.7	1.02	66.7	1.04	76.7	1.06	86.7	1.08	39
24.9	0.92	29.9	0.94	34.9	0.96	40.9	0.98	47.4	1.00	54.9	1.02	64.9	1.04	74.9	1.06	84.9	1.08	40
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		
24.3	0.92	29.4	0.94	34.4	0.96	40.4	0.98	46.9	1.00	54.4	1.02	64.4	1.04	74.4	1.06	84.4	1.08	41
23.6	0.92	28.6	0.94	33.6	0.96	39.7	0.98	46.2	1.00	53.7	1.01	63.7	1.04	73.7	1.06	83.7	1.08	42
22.5	0.91	27.5	0.94	32.5	0.95	38.5	0.97	45.1	0.99	52.6	1.01	62.6	1.04	72.6	1.06	82.6	1.08	43
21.7	0.91	26.7	0.93	31.7	0.95	37.7	0.97	44.2	0.99	51.7	1.01	61.7	1.04	71.7	1.06	81.7	1.07	44
20.6	0.91	25.6	0.93	30.6	0.95	36.6	0.97	43.1	0.99	50.6	1.01	60.6	1.04	70.6	1.06	80.6	1.07	45
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		
17.7	0.90	22.7	0.93	27.7	0.95	33.7	0.97	40.2	0.99	47.8	1.01	57.8	1.03	67.8	1.06	77.8	1.07	46
17.5	0.90	22.5	0.93	27.5	0.95	33.5	0.97	40.0	0.99	47.5	1.01	57.5	1.03	67.5	1.05	77.5	1.07	47
31.5	0.93	36.5	0.95	41.5	0.96	47.5	0.98	54.0	1.00	61.5	1.02	71.5	1.04	81.5	1.06	91.5	1.08	48
31.4	0.93	36.4	0.95	41.4	0.96	47.4	0.98	53.9	1.00	61.4	1.02	71.4	1.04	81.4	1.06	91.4	1.08	49
30.8	0.92	35.8	0.94	40.8	0.96	46.8	0.98	53.3	1.00	60.8	1.02	70.8	1.04	80.8	1.06	90.8	1.08	50
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		
30.3	0.92	35.3	0.94	40.3	0.96	46.3	0.98	52.8	1.00	60.3	1.02	70.3	1.04	80.3	1.06	90.3	1.08	51
30.1	0.92	35.1	0.94	40.1	0.96	46.1	0.98	52.6	1.00	60.1	1.02	70.1	1.04	80.1	1.06	90.1	1.08	52
29.7	0.92	34.7	0.94	39.7	0.96	45.7	0.98	52.2	1.00	59.7	1.02	69.7	1.04	79.7	1.06	89.7	1.08	53
29.5	0.92	34.5	0.94	39.6	0.96	45.6	0.98	52.1	1.00	59.6	1.02	69.6	1.04	79.6	1.06	89.6	1.08	54
29.0	0.92	34.0	0.94	39.0	0.96	45.0	0.98	51.5	1.00	59.0	1.02	69.0	1.04	79.0	1.06	89.0	1.08	55
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		
28.3	0.92	33.3	0.94	38.3	0.96	44.3	0.98	50.8	1.00	58.3	1.02	68.3	1.04	78.3	1.06	88.3	1.08	56
27.9	0.92	32.9	0.94	37.9	0.96	43.9	0.98	50.4	1.00	57.9	1.02	67.9	1.04	77.9	1.06	87.9	1.08	57
27.2	0.92	32.2	0.94	37.2	0.96	43.2	0.98	49.7	1.00	57.2	1.02	67.2	1.04	77.2	1.06	87.2	1.08	58
26.5	0.92	31.5	0.94	36.5	0.96	42.5	0.98	49.0	1.00	56.5	1.02	66.5	1.04	76.5	1.06	86.5	1.08	59
25.8	0.92	30.8	0.94	35.8	0.96	41.8	0.98	48.3	1.00	55.8	1.02	65.8	1.04	75.8	1.06	85.8	1.08	60
5VX850		5VX950		5VX1060		5VX1180		5VX1320		5VX1500		5VX1700		5VX1900		5V2120		
20.0	0.91	25.1	0.94	30.6	0.96	36.6	0.98	43.6	1.00	52.6	1.02	62.6	1.04	72.6	1.06	83.6	1.08	61
—	—	19.4	0.92	24.9	0.95	31.0	0.97	38.0	0.99	47.0	1.02	57.0	1.04	67.0	1.06	78.0	1.08	62
32.9	0.93	37.9	0.95	43.4	0.97	49.4	0.99	56.4	1.01	65.4	1.03	75.4	1.05	85.4	1.07	96.4	1.09	63
31.3	0.93	36.3	0.95	41.8	0.97	47.8	0.99	54.8	1.01	63.8	1.03	73.8	1.05	83.8	1.07	94.8	1.09	64
29.8	0.93	34.8	0.95	40.3	0.97	46.3	0.99	53.4	1.01	62.4	1.03	72.4	1.05	82.4	1.07	93.4	1.09	65
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		
22.8	0.91	27.8	0.93	32.8	0.95	38.8	0.97	45.3	0.99	52.8	1.01	62.8	1.04	72.8	1.06	82.8	1.08	66
31.8	0.93	36.8	0.95	41.8	0.96	47.8	0.98	54.3	1.00	61.8	1.02	71.8	1.04	81.8	1.06	91.8	1.08	67
31.4	0.92	36.4	0.94	41.4	0.96	47.4	0.98	53.9	1.00	61.4	1.02	71.4	1.04	81.4	1.06	91.4	1.08	68
31.3	0.92	36.3	0.94	41.3	0.96	47.3	0.98	53.8	1.00	61.3	1.02	71.3	1.04	81.3	1.06	91.3	1.08	69
30.7	0.92	35.7	0.94	40.7	0.96	46.7	0.98	53.2	1.00	60.7	1.02	70.7	1.04	80.7	1.06	90.7	1.08	70
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		
30.2	0.92	35.2	0.94	40.2	0.96	46.2	0.98	52.7	1.00	60.2	1.02	70.2	1.04	80.2	1.06	90.2	1.08	71
29.6	0.92	34.6	0.94	39.6	0.96	45.6	0.98	52.1	1.00	59.6	1.02	69.6	1.04	79.6	1.06	89.6	1.08	72
28.0	0.92	33.0	0.94	38.0	0.96	44.0	0.98	50.5	1.00	58.0	1.02	68.0	1.04	78.0	1.06	88.0	1.08	73
27.4	0.92	32.4	0.94	37.4	0.96	43.4	0.98	49.9	1.00	57.4	1.02	67.4	1.04	77.4	1.06	87.4	1.08	74
27.3	0.92	32.3	0.94	37.3	0.96	43.3	0.98	49.8	1.00	57.3	1.02	67.3	1.04	77.3	1.06	87.3	1.08	75

B

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Pitch Diameter Driver	Pitch Diameter Driven	Type Fix.	Type Var.	Nominal Driven Speeds and Horsepower per Belt — 1750 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	1160 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	Center Distance in Inches and "F" Factor for Browning Belts: Belt No.	C.D.	F	Belt No.	C.D.	F	Belt No.	C.D.	F
														5VX530			5VX670			5VX800		
1	1.31	2	8	7.4	9.7	x	X	1335	18.54	23.11	885	13.48	16.28	13.0	0.84		20.0	0.89		26.6	0.92	
2	1.31	2	10	8.9	11.7	x	—	1335	24.36	29.39	885	17.83	20.79	—	—		17.3	0.88		23.8	0.91	
3	1.31	1	4	9.5	12.5	x	X	1335	26.56	31.82	885	19.52	22.57	—	—		16.2	0.88		22.7	0.91	
4	1.31	2	4	16.1	21.1	x	—	—	—	—	885	36.15	40.66	—	—		—	—		—	—	
5	1.32	1	4	4.3	5.7	x	—	1325	—	9.21	878	—	6.55	18.6	0.85		25.6	0.89		32.1	0.93	
														5VX500			5VX600			5VX710		
6	1.32	1	4	4.9	6.5	x	—	1325	—	12.00	878	—	8.48	16.0	0.84		21.0	0.87		26.5	0.90	
7	1.32	2	4	5.3	7.0	x	—	1325	—	13.83	878	—	9.75	15.3	0.84		20.3	0.87		25.8	0.90	
8	1.32	1	4	6.1	8.1	x	—	1325	—	17.43	878	—	12.27	13.8	0.83		18.8	0.87		24.3	0.90	
9	1.32	2	4	6.7	8.9	x	—	1325	—	20.08	878	—	14.13	12.7	0.83		17.7	0.87		23.2	0.90	
10	1.32	2	4	8.4	11.1	x	X	1325	22.47	27.33	878	16.40	19.30	—	—		14.6	0.86		20.1	0.89	
														5VX600			5VX800			5VX1000		
11	1.32	2	4	11.7	15.5	x	—	1325	33.92	40.25	878	25.49	28.89	—	—		18.6	0.90		28.6	0.95	
12	1.32	2	10	15.9	21.1	x	—	—	—	—	878	35.71	40.15	—	—		—	—		20.8	0.93	
13	1.32	2	10	21.1	27.9	x	—	—	—	—	878	45.82	52.41	—	—		—	—		—	—	
14	1.33	1	4	5.3	7.1	x	—	1315	—	13.83	872	—	9.75	20.2	0.87		30.3	0.92		40.3	0.96	
15	1.33	2	4	5.9	7.9	x	—	1315	—	16.54	872	—	11.64	19.1	0.87		29.1	0.92		39.2	0.96	
														5VX500			5VX600			5VX710		
16	1.33	2	4	6.3	8.4	x	—	1315	—	18.32	872	—	12.89	13.4	0.83		18.4	0.87		23.9	0.90	
17	1.33	1	4	6.5	8.7	x	—	1315	—	19.20	872	—	13.51	13.0	0.83		18.0	0.87		23.5	0.90	
18	1.33	2	4	6.9	9.2	x	—	1315	—	20.95	872	—	14.75	12.3	0.83		17.3	0.87		22.8	0.90	
19	1.33	1	4	7.1	9.5	x	—	1315	17.33	21.82	872	12.59	15.36	11.9	0.83		16.9	0.86		22.4	0.90	
20	1.33	2	4	8.1	10.8	x	—	1315	21.31	26.08	872	15.53	18.40	—	—		15.1	0.86		20.6	0.89	
														5VX500			5VX600			5VX710		
21	1.33	2	10	8.4	11.2	x	X	1315	22.47	27.33	872	16.40	19.30	—	—		14.5	0.86		20.1	0.89	
22	1.33	2	10	11.2	14.9	x	—	1315	32.35	38.40	872	24.17	27.48	—	—		—	—		14.9	0.87	
23	1.33	2	4	13.9	18.5	x	—	1315	40.07	47.87	872	31.05	34.93	—	—		—	—		—	—	
24	1.33	2	10	13.9	18.6	x	—	1315	40.07	47.87	872	31.05	34.93	—	—		—	—		—	—	
25	1.34	2	6	4.3	5.8	x	—	1305	—	9.21	865	—	6.55	17.1	0.84		22.1	0.88		27.6	0.90	
														5VX500			5VX600			5VX710		
26	1.34	1	4	4.7	6.3	x	—	1305	—	11.07	865	—	7.84	16.3	0.84		21.4	0.87		26.9	0.90	
27	1.34	2	4	4.9	6.6	x	—	1305	—	12.00	865	—	8.48	15.9	0.84		21.0	0.87		26.5	0.90	
28	1.34	2	4	5.5	7.4	x	—	1305	—	14.74	865	—	10.38	14.8	0.84		19.9	0.87		25.4	0.90	
29	1.34	2	6	6.6	8.9	x	—	1305	—	19.64	865	—	13.82	12.8	0.83		17.8	0.87		23.3	0.90	
30	1.34	2	4	8.7	11.7	x	—	1305	23.61	28.57	865	17.26	20.20	—	—		13.9	0.85		19.4	0.89	
														5VX500			5VX630			5VX710		
31	1.34	2	10	9.2	12.4	x	—	1305	25.47	30.61	865	18.68	21.68	—	—		14.5	0.86		20.5	0.90	
32	1.34	2	4	10.2	13.7	x	—	1305	29.02	34.58	865	21.46	24.61	—	—		12.6	0.85		18.7	0.89	
33	1.34	2	4	11.1	14.9	x	—	1305	32.03	38.02	865	23.90	27.19	—	—		—	—		17.0	0.89	
34	1.34	2	4	14.9	20.1	x	—	—	—	—	865	33.42	37.57	—	—		—	—		—	—	
35	1.35	1	4	4.5	6.1	x	—	1296	—	10.28	859	—	7.29	16.7	0.84		23.2	0.88		29.2	0.91	
														5VX500			5VX600			5VX710		
36	1.35	2	4	4.8	6.5	x	—	1296	—	11.67	859	—	8.25	16.1	0.84		21.1	0.87		26.6	0.90	
37	1.35	1	4	5.1	6.9	x	—	1296	—	13.05	859	—	9.21	15.6	0.84		20.6	0.87		26.1	0.90	
38	1.35	2	6	6.2	8.4	x	—	1296	—	18.02	859	—	12.67	13.5	0.83		18.5	0.87		24.0	0.90	
39	1.35	1	4	6.7	9.1	x	—	1296	—	20.22	859	—	14.22	12.5	0.83		17.6	0.87		23.1	0.90	
40	1.35	2	4	7.0	9.5	x	X	1296	16.92	21.53	859	12.29	15.15	12.0	0.83		17.0	0.86		22.5	0.90	
														5VX500			5VX600			5VX710		
41	1.35	2	4	9.2	12.5	x	—	1296	25.47	30.75	859	18.68	21.78	—	—		12.9	0.85		18.4	0.89	
42	1.35	2	10	9.7	13.1	x	—	1296	27.27	32.76	859	20.08	23.25	—	—		—	—		17.5	0.88	
43	1.35	2	10	11.7	15.9	x	—	1296	33.92	40.39	859	25.49	28.98	—	—		—	—		—	—	
44	1.35	1	4	13.7	18.5	x	—	1296	39.57	47.35	859	30.56	34.48	—	—		—	—		—	—	
45	1.35	2	4	13.7	18.6	x	—	1296	39.57	47.35	859	30.56	34.48	—	—		—	—		—	—	
														5VX600			5VX800			5VX1000		
46	1.35	1	4	18.5	25.1	x	—	—	—	—	859	41.15	46.63	—	—		—	—		—	—	
47	1.36	1	4	4.9	6.7	x	—	1286	—	12.14	852	—	8.57	20.9	0.87		30.9	0.92		40.9	0.96	
48	1.36	1	4	5.5	7.5	x	—	1286	—	14.88	852	—	10.48	19.8	0.87		29.8	0.92		39.8	0.96	
49	1.36	2	6	5.8	7.9	x	—	1286	—	16.23	852	—	11.42	19.2	0.87		29.2	0.92		39.2	0.96	
50	1.36	2	4	6.5	8.9	x	—	1286	—	19.34	852	—	13.60	17.9	0.87		27.9	0.92		37.9	0.96	
														5VX500			5VX600			5VX710		
51	1.36	2	4	7.1	9.7	x	—	1286	17.33	21.96	852	12.59	15.45	11.7	0.82		16.8	0.86		22.3	0.89	
52	1.36	2	4	7.5	10.2	x	—	1286	18.94	23.68	852	13.77	16.68	11.0	0.82		16.0	0.86		21.6	0.89	
53	1.36	2	10	7.9	10.8	x	—	1286	20.53	25.38	852	14.95	17.89	10.2	0.82		15.3	0.86		20.8	0.89	
54	1.36	2	4	9.1	12.4	x	—	1286	25.10	30.35	852	18.40	21.48	—	—		13.0	0.85		18.5	0.89	
55	1.36	2	10	10.2	13.9	x	—	1286	29.02	34.72	852	21.46	24.70	—	—		—	—		16.5	0.88	
														5VX530			5VX670			5VX800		
56	1.36	2	4	15.5	21.1	x	—	—	—	—	852	34.81	39.22	—	—		—	—		—	—	
57	1.37	1	4	4.3	5.9	x	—	1277	—	9.35	846	—	6.64	18.5	0.85		25.5	0.89		32.0	0.92	
58	1.37	2	6	4.5	6.2	x	—	1277	—	10.28	846	—	7.29	18.1	0.85		25.1	0.89		31.6	0.92	
59	1.37	2	6	4.8	6.6	x	—	1277	—	11.67	646	—	8.25	17.5	0.85		24.5	0.89		31.0	0.92	
60	1.37	2	6	5.1	7.0	x	—	1277	—	13.05	846	—	9.21	17.0	0.85		24.0	0.89		30.5	0.92	
														5VX500			5VX600			5VX710		
61	1.37	2	6	5.4	7.4	x	—	1277	—	14.42	846	—	10.16	14.9	0.84		19.9	0.87		25.4	0.90	
62	1.37	1	4	5.9	8.1	x	—	1277	—	16.68	846	—	11.73	14.0	0.83		19.0	0.87		24.5	0.90	
63	1.37	2	4	6.1	8.4	x	—	1277	—	17.57	846	—	12.36	13.6	0.83		18.6	0.87		24.1	0.90	
64	1.37	2	4	6.6	9.1	x	—	1277	—	19.78	846	—	13.91	12.6	0.83		17.6	0.86		23.1	0.90	
65	1.37	2	4	6.7	9.2	x	—	1277	—	20.22	846	—	14.22	12.5	0.83		17.5	0.86		23.0	0.90	
														5VX500			5VX600			5VX710		
66	1.37	1	4	6.9	9.5	x	—	1277	—	21.09	846	—	14.84	12.1	0.82		17.1	0.86		22.6	0.90	
67	1.37	2	8	7.4	10.2	x	X	1277	18.54	23.25	846	13.48	16.37	11.1	0.82		16.1	0.86		21.6	0.89	
68	1.37	1	4	8.1	11.1	x	—	1277	21.31	26.22	846	15.53	18.49	—	—		14.9	0.86		20.4	0.89	
69	1.37	1	4	9.1	12.5	x	—	1277	25.10	30.35	846	18.40	21.48	—	—		12.9	0.85		18.5	0.88	
70	1.37	2	4	9.5	13.1	x	X	1277	26.56	31.96	846	19.52	22.66	—	—		12.1	0.84		17.7	0.88	
														5VX500			5VX600			5VX710		
71	1.37	2	10	10.8	14.9	x	—	1277	31.05	37.03	846	23.10	26.43	—	—		—	—		15.2	0.87	
72	1.37	2	4	11.7	16.1	x	—	1277	33.92	40.39	846	25.49	28.98	—	—		—	—		—	—	
73	1.38	1	4	4.7	6.5	x	—	1268	—	11.21	840	—	7.93	16.2	0.84		21.2	0.87		26.7	0.90	
74	1.38	2	4	5.4	7.5	x	—	1268	—	14.42	840	—	10.16	14.8	0.84		19.8	0.87		25.4	0.90	
75	1.38	2	4	5.7	7.9	x	—	1268	—	15.78	840	—	11.11	14.3	0.83		19.3	0.87		24.8	0.90	

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts

Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
5VX900		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		
31.6	0.94	36.6	0.96	42.6	0.98	49.1	1.00	56.6	1.02	66.6	1.04	76.6	1.06	86.6	1.08	98.6	1.10	1
28.8	0.94	33.8	0.96	39.8	0.98	46.3	0.99	53.8	1.01	63.8	1.04	73.8	1.06	83.8	1.08	95.8	1.09	2
27.7	0.93	32.7	0.95	38.7	0.97	45.2	0.99	52.7	1.01	62.7	1.04	72.7	1.06	82.7	1.07	94.7	1.09	3
—	—	20.6	0.93	26.7	0.96	33.2	0.98	40.7	1.00	50.7	1.03	60.7	1.05	70.8	1.07	82.8	1.09	4
37.1	0.95	42.1	0.96	48.1	0.98	54.6	1.00	62.1	1.02	72.1	1.04	82.1	1.06	92.1	1.08	104.1	1.10	5
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
31.0	0.92	36.0	0.94	41.0	0.96	47.0	0.98	53.5	1.00	61.0	1.02	71.0	1.04	81.0	1.06	91.0	1.08	6
30.3	0.92	35.3	0.94	40.3	0.96	46.3	0.98	52.8	1.00	60.3	1.02	70.3	1.04	80.3	1.06	90.3	1.08	7
28.8	0.92	33.8	0.94	38.8	0.96	44.8	0.98	51.3	1.00	58.8	1.02	68.8	1.04	78.8	1.06	88.8	1.08	6
27.7	0.92	32.7	0.94	37.7	0.96	43.7	0.98	50.2	1.00	57.7	1.02	67.7	1.04	77.7	1.06	87.7	1.08	9
24.7	0.92	29.7	0.94	34.7	0.96	40.7	0.98	47.2	1.00	54.7	1.01	64.7	1.04	74.7	1.06	84.7	1.08	10
5VX1250		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		**5V2500**		**5V2800**		**5V3150**		
41.1	0.99	48.6	1.01	58.6	1.03	68.6	1.05	78.6	1.07	90.6	1.09	103.6	1.11	118.6	1.13	136.1	1.15	11
33.4	0.98	40.9	1.00	50.9	1.03	60.9	1.05	70.9	1.07	82.9	1.09	95.9	1.11	110.9	1.13	128.4	1.15	12
—	—	31.4	0.99	41.4	1.02	51.4	1.04	61.4	1.06	73.5	1.08	86.5	1.10	101.5	1.12	119.0	1.14	13
52.8	1.00	60.3	1.02	70.3	1.04	80.3	1.06	90.3	1.08	102.3	1.10	115.3	1.11	130.3	1.13	147.8	1.15	14
51.7	1.00	59.2	1.02	69.2	1.04	79.2	1.06	89.2	1.08	101.2	1.10	114.2	1.11	129.2	1.13	146.7	1.15	15
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
28.4	0.92	33.4	0.94	38.4	0.96	44.4	0.98	50.9	1.00	58.5	1.02	68.5	1.04	78.5	1.06	88.5	1.08	16
28.0	0.92	33.0	0.94	38.1	0.96	44.1	0.98	50.6	1.00	58.1	1.02	68.1	1.04	78.1	1.06	88.1	1.08	17
27.3	0.92	32.3	0.94	37.3	0.96	43.3	0.98	49.8	1.00	57.3	1.02	67.4	1.04	77.4	1.06	87.4	1.08	18
26.9	0.92	31.9	0.94	36.9	0.96	43.0	0.98	49.5	1.00	57.0	1.02	67.0	1.04	77.0	1.06	87.0	1.08	19
25.1	0.92	30.1	0.94	35.1	0.96	41.1	0.98	47.6	1.00	55.1	1.01	65.1	1.04	75.2	1.06	85.2	1.08	20
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
24.6	0.91	29.6	0.94	34.6	0.96	40.6	0.98	47.1	0.99	54.6	1.01	64.6	1.04	74.6	1.06	84.6	1.08	21
19.4	0.90	24.4	0.93	29.5	0.95	35.5	0.97	42.0	0.99	49.5	1.01	59.5	1.03	69.5	1.05	79.5	1.07	22
—	—	19.4	0.91	24.5	0.94	30.5	0.96	37.0	0.98	44.5	1.01	54.5	1.03	64.5	1.05	74.5	1.07	23
—	—	19.3	0.91	24.4	0.94	30.4	0.96	36.9	0.98	44.4	1.01	54.4	1.03	64.4	1.05	74.5	1.07	24
32.1	0.92	37.1	0.94	42.1	0.96	48.1	0.98	54.6	1.00	62.1	1.02	72.1	1.04	82.1	1.06	92.1	1.08	25
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
31.4	0.92	36.4	0.94	41.4	0.96	47.4	0.98	53.9	1.00	61.4	1.02	71.4	1.04	81.4	1.06	91.4	1.08	26
31.0	0.92	36.0	0.94	41.0	0.96	47.0	0.98	53.5	1.00	61.0	1.02	71.0	1.04	81.0	1.06	91.0	1.08	27
29.9	0.92	34.9	0.94	39.9	0.96	45.9	0.98	52.4	1.00	59.9	1.02	69.9	1.04	79.9	1.06	89.9	1.08	28
27.8	0.92	32.8	0.94	37.8	0.96	43.8	0.98	50.3	1.00	57.8	1.02	67.8	1.04	77.8	1.06	87.8	1.08	29
23.9	0.91	28.9	0.93	34.0	0.95	40.0	0.97	46.5	0.99	54.0	1.01	64.0	1.04	74.0	1.06	84.0	1.07	30
5VX850		**5VX950**		**5VX1060**		**5VX1180**		**5VX1320**		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		
25.5	0.92	30.5	0.94	36.0	0.96	42.0	0.98	49.0	1.00	58.0	1.02	68.0	1.05	78.0	1.07	89.0	1.08	31
23.7	0.92	28.7	0.94	34.2	0.96	40.2	0.98	47.2	1.00	56.2	1.02	66.2	1.05	76.2	1.06	87.2	1.08	32
22.0	0.91	27.0	0.94	32.5	0.96	38.5	0.98	45.6	1.00	54.6	1.02	64.6	1.04	74.6	1.06	85.6	1.08	33
—	—	19.9	0.92	25.4	0.94	31.4	0.97	38.4	0.99	47.5	1.02	57.5	1.04	67.5	1.06	78.5	1.08	34
34.2	0.93	39.2	0.95	44.7	0.97	50.7	0.99	57.7	1.01	66.7	1.03	76.7	1.05	86.7	1.07	97.7	1.09	35
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
31.1	0.92	36.1	0.94	41.1	0.96	47.1	0.98	53.6	1.00	61.1	1.02	71.1	1.04	81.1	1.06	91.1	1.08	36
30.6	0.92	35.6	0.94	40.6	0.96	46.6	0.98	53.1	1.00	60.6	1.02	70.6	1.04	80.6	1.06	90.6	1.08	37
28.5	0.92	33.5	0.94	38.5	0.96	44.5	0.98	51.0	1.00	58.5	1.02	68.5	1.04	78.5	1.06	88.5	1.08	38
27.6	0.92	32.6	0.94	37.6	0.96	43.6	0.98	50.1	1.00	57.6	1.02	67.6	1.04	77.6	1.06	87.6	1.08	39
27.0	0.92	32.0	0.94	37.0	0.96	43.0	0.98	49.5	1.00	57.0	1.02	67.0	1.04	77.0	1.06	87.0	1.08	40
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
22.9	0.91	27.9	0.93	32.9	0.95	38.9	0.97	45.4	0.99	52.9	1.01	62.9	1.04	72.9	1.06	82.9	1.07	41
22.0	0.91	27.0	0.93	32.1	0.95	38.1	0.97	44.6	0.99	52.1	1.01	62.1	1.04	72.1	1.06	82.1	1.07	42
18.2	0.90	23.2	0.92	28.3	0.94	34.3	0.97	40.8	0.99	48.3	1.01	58.3	1.03	68.3	1.05	78.3	1.07	43
—	—	19.6	0.91	24.6	0.94	30.6	0.96	37.1	0.98	44.7	1.00	54.7	1.03	64.7	1.05	74.7	1.07	44
—	—	19.5	0.91	24.5	0.94	30.5	0.96	37.1	0.98	44.6	1.00	54.6	1.03	64.6	1.05	74.6	1.07	45
5VX1250		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		**5V2500**		**5V2800**		**5V3150**		
28.1	0.97	35.6	0.99	45.7	1.02	55.7	1.04	65.7	1.06	77.7	1.08	90.7	1.10	105.7	1.12	123.2	1.15	46
53.4	1.00	60.9	1.02	70.9	1.04	80.9	1.06	90.9	1.08	102.9	1.10	115.9	1.11	130.9	1.13	148.4	1.15	47
52.3	1.00	59.8	1.02	69.8	1.04	79.8	1.06	89.8	1.08	101.8	1.10	114.8	1.11	129.8	1.13	147.3	1.15	48
51.7	1.00	59.2	1.02	69.2	1.04	79.2	1.06	89.2	1.08	101.2	1.10	114.2	1.11	129.2	1.13	146.7	1.15	49
50.4	1.00	57.9	1.02	67.9	1.04	77.9	1.06	87.9	1.08	99.9	1.10	112.9	1.11	127.9	1.13	145.4	1.15	50
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
26.8	0.92	31.8	0.94	36.8	0.96	42.8	0.98	49.3	1.00	56.8	1.02	66.8	1.04	76.8	1.06	86.8	1.08	51
26.1	0.92	31.1	0.94	36.1	0.96	42.1	0.98	48.6	1.00	56.1	1.02	66.1	1.04	76.1	1.06	86.1	1.08	52
25.3	0.91	30.3	0.94	35.3	0.96	41.3	0.98	47.8	0.99	55.3	1.01	65.3	1.04	75.3	1.06	85.3	1.08	53
23.1	0.91	28.1	0.93	33.1	0.95	39.1	0.97	45.6	0.99	53.1	1.01	63.1	1.04	73.1	1.06	83.1	1.07	54
21.0	0.90	26.0	0.93	31.0	0.95	37.0	0.97	43.5	0.99	51.0	1.01	61.1	1.03	71.1	1.05	81.1	1.07	55
5VX900		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		
—	—	21.1	0.93	27.1	0.95	33.7	0.98	41.2	1.00	51.2	1.03	61.2	1.05	71.2	1.07	83.2	1.09	56
37.0	0.94	42.0	0.96	48.0	0.98	54.5	1.00	62.0	1.02	72.0	1.04	82.0	1.06	92.0	1.08	104.0	1.10	57
36.6	0.94	41.6	0.96	47.6	0.98	54.1	1.00	61.6	1.02	71.6	1.04	81.6	1.06	91.6	1.08	103.6	1.10	58
36.0	0.94	41.0	0.96	47.0	0.98	53.5	1.00	61.0	1.02	71.0	1.04	81.0	1.06	91.0	1.08	103.0	1.10	59
35.5	0.94	40.5	0.96	46.5	0.98	53.0	1.00	60.5	1.02	70.5	1.04	80.5	1.06	90.5	1.08	102.5	1.10	60
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
29.9	0.92	34.9	0.94	39.9	0.96	45.9	0.98	52.4	1.00	59.9	1.02	69.9	1.04	79.9	1.06	89.9	1.08	61
29.0	0.92	34.0	0.94	39.0	0.96	45.0	0.98	51.5	1.00	59.0	1.02	69.0	1.04	79.0	1.06	89.0	1.08	62
28.6	0.92	33.6	0.94	38.6	0.96	44.6	0.98	51.1	1.00	58.6	1.02	68.6	1.04	78.6	1.06	88.6	1.08	63
27.6	0.92	32.7	0.94	37.7	0.96	43.7	0.98	50.2	1.00	57.7	1.02	67.7	1.04	77.7	1.06	87.7	1.08	64
27.5	0.92	32.5	0.94	37.5	0.96	43.5	0.98	50.0	1.00	57.5	1.02	67.5	1.04	77.5	1.06	87.5	1.08	65
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
27.1	0.92	32.1	0.94	37.1	0.96	43.1	0.98	49.6	1.00	57.1	1.02	67.1	1.04	77.1	1.06	87.1	1.08	66
26.1	0.92	31.2	0.94	36.2	0.96	42.2	0.98	48.7	1.00	56.2	1.01	66.2	1.04	76.2	1.06	86.2	1.08	67
24.9	0.91	29.9	0.94	34.9	0.95	40.9	0.97	47.4	0.99	54.9	1.01	64.9	1.04	74.9	1.06	84.9	1.08	68
23.0	0.91	28.0	0.93	33.0	0.95	39.0	0.97	45.5	0.99	53.0	1.01	63.0	1.04	73.0	1.06	83.0	1.07	69
22.2	0.91	27.2	0.93	32.2	0.95	38.2	0.97	44.7	0.99	52.2	1.01	62.2	1.03	72.2	1.06	82.2	1.07	70
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
19.7	0.90	24.7	0.93	29.8	0.95	35.8	0.97	42.3	0.99	49.8	1.01	59.8	1.03	69.8	1.05	79.8	1.07	71
18.0	0.89	23.1	0.92	28.1	0.94	34.1	0.97	40.6	0.99	48.1	1.01	58.1	1.03	68.1	1.05	78.1	1.07	72
31.2	0.92	36.2	0.94	41.2	0.96	47.2	0.98	53.7	1.00	61.2	1.02	71.2	1.04	81.2	1.06	91.2	1.08	73
29.9	0.92	34.9	0.94	39.9	0.96	45.9	0.98	52.4	1.00	59.9	1.02	69.9	1.04	79.9	1.06	89.9	1.08	74
29.3	0.92	34.3	0.94	39.3	0.96	45.3	0.98	51.8	1.00	59.3	1.02	69.3	1.04	79.3	1.06	89.3	1.08	75

B

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Pitch Diameter Driver	Pitch Diameter Driven	Type Fix.	Type Var.	1750 RPM Driver: Nominal Driven Speed	1750 RPM Driver: HP per Belt Super	1750 RPM Driver: HP per Belt Gripnotch	1160 RPM Driver: Nominal Driven Speed	1160 RPM Driver: HP per Belt Super	1160 RPM Driver: HP per Belt Gripnotch	Center Distance in Inches and "F" Factor for Browning Belts: Belt No. C.D.	F	Belt No. C.D.	F	Belt No. C.D.	F
														5VX500		5VX600		5VX710	
1	1.38	1	4	6.3	8.7	x	—	1268	—	18.46	840	—	12.98	13.2	0.83	18.2	0.87	23.7	0.90
2	1.38	2	8	7.0	9.7	x	x	1268	17.15	21.53	840	12.44	15.15	11.8	0.82	16.8	0.86	22.3	0.89
3	1.38	2	4	8.1	11.2	x	—	1268	21.54	26.22	840	15.68	18.49	—	—	14.8	0.85	20.3	0.89
4	1.38	2	4	11.2	15.5	x	—	1268	32.58	38.54	840	24.32	27.57	—	—	—	—	14.4	0.87
5	1.39	2	4	4.8	6.7	x	—	1258	—	11.67	834	—	8.25	15.9	0.84	21.0	0.87	26.5	0.90
														5VX500		5VX600		5VX710	
6	1.39	1	4	5.1	7.1	x	—	1258	—	13.05	834	—	9.21	15.4	0.84	20.4	0.87	25.9	0.90
7	1.39	2	4	5.3	7.4	x	—	1258	—	13.97	834	—	9.84	15.0	0.84	20.0	0.87	25.5	0.90
8	1.39	2	4	5.8	8.1	x	—	1258	—	16.23	834	—	11.42	14.0	0.83	19.1	0.87	24.6	0.90
9	1.39	2	6	6.6	9.2	x	—	1258	—	19.78	834	—	13.91	12.5	0.83	17.5	0.86	23.1	0.90
10	1.39	2	10	8.4	11.7	x	x	1258	22.70	27.48	834	16.55	19.40	—	—	14.1	0.85	19.7	0.89
														5VX500		5VX600		5VX710	
11	1.39	2	10	8.9	12.4	x	—	1258	24.59	29.53	834	17.98	20.89	—	—	13.2	0.85	18.7	0.88
12	1.39	1	4	11.1	15.5	x	—	1258	32.25	38.16	834	24.05	27.29	—	—	—	—	14.5	0.87
13	1.40	1	4	4.5	6.3	x	—	1250	—	10.28	828	—	7.29	16.5	0.84	21.5	0.87	27.0	0.90
14	1.40	2	4	4.7	6.6	x	—	1250	—	11.21	828	—	7.93	16.1	0.84	21.1	0.87	26.6	0.90
15	1.40	1	4	4.9	6.9	x	—	1250	—	12.14	828	—	8.57	15.7	0.84	20.7	0.87	26.2	0.90
														5VX500		5VX600		5VX710	
16	1.40	2	4	6.2	8.7	x	—	1250	—	18.02	828	—	12.67	13.2	0.83	18.3	0.87	23.8	0.90
17	1.40	1	4	6.5	9.1	x	—	1250	—	19.34	828	—	13.60	12.7	0.83	17.7	0.86	23.2	0.90
18	1.40	2	4	6.9	9.7	x	—	1250	—	21.09	828	—	14.84	11.9	0.82	16.9	0.86	22.4	0.89
19	1.40	2	4	7.9	11.1	x	—	1250	20.76	25.38	828	15.10	17.89	—	—	15.0	0.85	20.5	0.89
20	1.40	2	4	8.9	12.5	x	—	1250	24.59	29.53	828	17.98	20.89	—	—	13.1	0.84	18.6	0.88
														5VX500		5VX600		5VX710	
21	1.41	1	4	4.3	6.1	x	—	1241	—	9.35	822	—	6.64	16.8	0.84	21.8	0.87	27.3	0.90
22	1.41	1	4	5.3	7.5	x	—	1241	—	13.97	822	—	9.84	14.9	0.83	19.9	0.87	25.4	0.90
23	1.41	2	4	6.3	8.9	x	—	1241	—	18.46	822	—	12.98	13.0	0.83	18.0	0.86	23.5	0.90
24	1.41	2	4	6.5	9.2	x	—	1241	—	19.34	822	—	13.60	12.6	0.83	17.6	0.86	23.1	0.89
25	1.41	1	4	6.7	9.5	x	—	1241	—	20.22	822	—	14.22	12.2	0.82	17.2	0.86	22.7	0.89
														5VX500		5VX600		5VX710	
26	1.41	2	10	7.9	11.2	x	—	1241	20.76	25.38	822	15.10	17.89	—	—	14.9	0.85	20.4	0.89
27	1.41	2	4	9.7	13.7	x	—	1241	27.50	32.76	822	20.23	23.25	—	—	—	—	17.0	0.88
28	1.41	2	10	11.2	15.9	x	—	1241	32.58	38.54	822	24.32	27.57	—	—	—	—	—	—
29	1.41	2	4	13.1	18.5	x	—	1241	38.22	45.34	822	29.22	32.86	—	—	—	—	—	—
30	1.41	2	10	13.1	18.6	x	—	1241	38.22	45.34	822	29.22	32.86	—	—	—	—	—	—
														5VX500		5VX630		5VX750	
31	1.41	2	10	14.9	21.1	x	—	—	—	—	822	33.57	37.67	—	—	—	—	—	—
32	1.42	1	4	4.7	6.7	x	—	1232	—	11.21	816	—	7.93	16.0	0.84	22.5	0.88	28.5	0.91
33	1.42	2	4	4.9	7.0	x	—	1232	—	12.14	816	—	8.57	15.6	0.84	22.1	0.88	28.1	0.91
34	1.42	1	4	5.7	8.1	x	—	1232	—	15.78	616	—	11.11	14.1	0.83	20.6	0.88	26.6	0.91
35	1.42	2	4	5.9	8.4	x	—	1232	—	16.68	816	—	11.73	13.7	0.83	20.2	0.87	26.2	0.91
														5VX500		5VX600		5VX710	
36	1.42	1	4	6.1	8.7	x	—	1232	—	17.57	816	—	12.36	13.3	0.83	18.3	0.86	23.8	0.90
37	1.42	2	4	8.7	12.4	x	—	1232	23.84	28.72	816	17.41	20.29	—	—	13.3	0.84	18.8	0.88
38	1.42	2	10	9.2	13.1	x	—	1232	25.69	30.75	816	18.83	21.78	—	—	12.3	0.84	17.9	0.88
39	1.43	2	4	4.8	6.9	x	—	1223	—	11.67	811	—	8.25	15.8	0.84	20.8	0.87	26.3	0.90
40	1.43	2	4	5.5	7.9	x	—	1223	—	14.88	811	—	10.48	14.4	0.83	19.4	0.87	25.0	0.90
														5VX500		5VX600		5VX710	
41	1.43	2	6	6.2	8.9	x	—	1223	—	18.02	811	—	12.67	13.1	0.83	18.1	0.86	23.6	0.90
42	1.43	2	4	6.6	9.5	x	—	1223	—	19.78	811	—	13.91	12.3	0.82	17.3	0.86	22.8	0.89
43	1.43	2	4	7.1	10.2	x	—	1223	17.55	21.96	811	12.74	15.45	11.3	0.82	16.3	0.86	21.9	0.89
44	1.43	1	4	8.7	12.5	x	—	1223	23.84	28.72	811	17.41	20.29	—	—	13.2	0.84	18.8	0.88
45	1.43	2	4	9.1	13.1	x	—	1223	25.33	30.35	811	18.55	21.48	—	—	12.4	0.84	18.0	0.88
														5VX500		5VX600		5VX710	
46	1.43	2	10	9.7	13.9	x	—	1223	27.50	32.76	811	20.23	23.25	—	—	—	—	16.8	0.87
47	1.43	2	4	10.8	15.5	x	—	1223	31.27	37.03	811	23.24	26.43	—	—	—	—	14.7	0.86
48	1.43	2	4	11.1	15.9	x	—	1223	32.25	38.16	811	24.05	27.29	—	—	—	—	—	—
49	1.43	2	4	11.2	16.1	x	—	1223	32.58	38.54	811	24.32	27.57	—	—	—	—	—	—
50	1.44	2	6	4.3	6.2	x	—	1215	—	9.35	805	—	6.64	16.7	0.84	21.7	0.87	27.2	0.90
														5VX500		5VX600		5VX710	
51	1.44	1	4	4.5	6.5	x	—	1215	—	10.28	805	—	7.29	16.3	0.84	21.3	0.87	26.8	0.90
52	1.44	1	4	4.9	7.1	x	—	1215	—	12.14	805	—	8.57	15.5	0.84	20.6	0.87	26.1	0.90
53	1.44	2	6	5.8	8.4	x	—	1215	—	16.23	805	—	11.42	13.8	0.83	18.8	0.86	24.3	0.90
54	1.44	1	4	6.3	9.1	x	—	1215	—	18.46	805	—	12.98	12.8	0.82	17.9	0.86	23.4	0.89
55	1.44	2	4	6.7	9.7	x	—	1215	—	20.22	805	—	14.22	12.0	0.82	17.1	0.86	22.6	0.89
														5VX500		5VX600		5VX710	
56	1.44	2	4	7.5	10.8	x	—	1215	19.17	23.68	805	13.92	16.68	10.5	0.81	15.5	0.85	21.1	0.89
57	1.44	2	4	8.1	11.7	x	—	1215	21.54	26.22	805	15.68	18.49	—	—	14.3	0.85	19.9	0.89
58	1.44	1	4	9.5	13.7	x	x	1215	26.78	31.96	805	19.67	22.66	—	—	—	—	17.2	0.88
59	1.44	2	4	13.9	20.1	x	—	1215	40.30	46.01	805	31.20	35.02	—	—	—	—	—	—
60	1.45	2	6	4.8	7.0	x	—	1206	—	11.67	800	—	8.25	15.7	0.84	20.7	0.87	26.2	0.90
														5VX500		5VX600		5VX710	
61	1.45	2	6	5.1	7.4	x	—	1206	—	13.05	800	—	9.21	15.1	0.83	20.2	0.87	25.7	0.90
62	1.45	2	4	6.1	8.9	x	—	1206	—	17.57	800	—	12.36	13.2	0.83	18.2	0.86	23.7	0.89
63	1.45	2	8	7.0	10.2	x	x	1206	17.15	21.53	800	12.44	15.15	11.4	0.82	16.4	0.86	21.9	0.89
64	1.45	2	8	7.4	10.8	x	x	1206	18.77	23.25	800	13.63	16.37	10.6	0.81	15.6	0.85	21.1	0.89
65	1.45	1	4	11.1	16.1	x	—	1206	32.25	38.16	800	24.05	27.29	—	—	—	—	—	—
														5VX500		5VX600		5VX710	
66	1.46	1	4	4.3	6.3	x	—	1198	—	9.35	794	—	6.64	16.6	0.84	21.7	0.87	27.2	0.90
67	1.46	2	6	4.5	6.6	x	—	1198	—	10.28	794	—	7.29	16.3	0.84	21.3	0.87	26.8	0.90
68	1.46	1	4	4.7	6.9	x	—	1198	—	11.21	794	—	7.93	15.9	0.84	20.9	0.87	26.4	0.90
69	1.46	2	6	5.4	7.9	x	—	1198	—	14.42	794	—	10.16	14.5	0.83	19.5	0.87	25.0	0.90
70	1.46	2	4	6.2	9.1	x	—	1198	—	18.02	794	—	12.67	12.9	0.82	17.9	0.86	23.4	0.89
														5VX500		5VX600		5VX710	
71	1.46	2	4	6.3	9.2	x	—	1198	—	18.46	794	—	12.98	12.8	0.82	17.8	0.86	23.3	0.89
72	1.46	1	4	6.5	9.5	x	—	1198	—	19.34	794	—	13.60	12.3	0.82	17.4	0.86	22.9	0.89
73	1.46	2	6	6.6	9.7	x	—	1198	—	19.78	794	—	13.91	12.1	0.82	17.1	0.86	22.7	0.89
74	1.46	2	4	9.5	13.9	x	x	1198	26.78	31.96	794	19.67	22.66	—	—	—	—	17.0	0.87
75	1.46	2	10	10.2	14.9	x	—	1198	29.25	34.72	794	21.61	24.70	—	—	—	—	15.6	0.87

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc–Length Factor (F) using Browning Belts

Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		
28.2	0.92	33.2	0.94	38.2	0.96	44.2	0.98	50.7	1.00	58.2	1.02	68.2	1.04	78.2	1.06	88.2	1.08	1
26.9	0.92	31.9	0.94	36.9	0.96	42.9	0.98	49.4	1.00	56.9	1.02	66.9	1.04	76.9	1.06	86.9	1.08	2
24.8	0.91	29.8	0.93	34.8	0.95	40.8	0.97	47.3	0.99	54.8	1.01	64.8	1.04	74.8	1.06	84.8	1.07	3
18.9	0.90	23.9	0.92	29.0	0.94	35.0	0.97	41.5	0.99	49.0	1.01	59.0	1.03	69.0	1.05	79.0	1.07	4
31.0	0.92	36.0	0.94	41.0	0.96	47.0	0.98	53.5	1.00	61.0	1.02	71.0	1.04	81.0	1.06	91.0	1.08	5
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		
30.4	0.92	35.4	0.94	40.4	0.96	46.4	0.98	52.9	1.00	60.4	1.02	70.4	1.04	80.4	1.06	90.4	1.08	6
30.0	0.92	35.0	0.94	40.0	0.96	46.0	0.98	52.5	1.00	60.0	1.02	70.0	1.04	80.0	1.06	90.0	1.08	7
29.1	0.92	34.1	0.94	39.1	0.96	45.1	0.98	51.6	1.00	59.1	1.02	69.1	1.04	79.1	1.06	89.1	1.08	8
27.6	0.92	32.6	0.94	37.6	0.96	43.6	0.98	50.1	1.00	57.6	1.02	67.6	1.04	77.6	1.06	87.6	1.08	9
24.2	0.91	29.2	0.93	34.2	0.95	40.2	0.97	46.7	0.99	54.2	1.01	64.2	1.04	74.2	1.06	84.2	1.07	10
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		
23.2	0.91	28.2	0.93	33.2	0.95	39.2	0.97	45.7	0.99	53.3	1.01	63.3	1.04	73.3	1.06	83.3	1.07	11
19.0	0.90	24.0	0.92	29.0	0.94	35.0	0.97	41.6	0.99	49.1	1.01	59.1	1.03	69.1	1.05	79.1	1.07	12
31.5	0.92	36.5	0.94	41.5	0.96	47.5	0.98	54.0	1.00	61.5	1.02	71.5	1.04	81.5	1.06	91.5	1.08	13
31.1	0.92	36.1	0.94	41.1	0.96	47.1	0.98	53.6	1.00	61.1	1.02	71.1	1.04	81.1	1.06	91.1	1.08	14
30.7	0.92	35.7	0.94	40.7	0.96	46.7	0.98	53.2	1.00	60.7	1.02	70.7	1.04	80.7	1.06	90.7	1.08	15
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		
28.3	0.92	33.3	0.94	38.3	0.96	44.3	0.98	50.8	1.00	58.3	1.02	68.3	1.04	78.3	1.06	88.3	1.08	16
27.7	0.92	32.7	0.94	37.7	0.96	43.7	0.98	50.2	1.00	57.7	1.02	67.7	1.04	77.7	1.06	87.7	1.08	17
26.9	0.92	31.9	0.94	36.9	0.96	42.9	0.98	49.4	1.00	57.0	1.01	67.0	1.04	77.0	1.06	87.0	1.08	18
25.0	0.91	30.0	0.93	35.0	0.95	41.1	0.97	47.6	0.99	55.1	1.01	65.1	1.04	75.1	1.06	85.1	1.07	19
23.1	0.91	28.1	0.93	33.2	0.95	39.2	0.97	45.7	0.99	53.2	1.01	63.2	1.04	73.2	1.06	83.2	1.07	20
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		
31.8	0.92	36.8	0.94	41.8	0.96	47.8	0.98	54.3	1.00	61.8	1.02	71.8	1.04	81.8	1.06	91.8	1.08	21
29.9	0.92	34.9	0.94	39.9	0.96	45.9	0.98	52.4	1.00	59.9	1.02	69.9	1.04	79.9	1.06	89.9	1.08	22
28.0	0.92	33.0	0.94	38.0	0.96	44.0	0.98	50.6	1.00	58.1	1.02	68.1	1.04	78.1	1.06	88.1	1.08	23
27.6	0.92	32.6	0.94	37.7	0.96	43.7	0.98	50.2	1.00	57.7	1.02	67.7	1.04	77.7	1.06	87.7	1.08	24
27.2	0.92	32.3	0.94	37.3	0.96	43.3	0.98	49.8	1.00	57.3	1.01	67.3	1.04	77.3	1.06	87.3	1.08	25
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		
25.0	0.91	30.0	0.93	35.0	0,95	41.0	0.97	47.5	0.99	55.0	1.01	65.0	1.04	75.0	1.06	85.0	1.07	26
21.5	0.90	26.6	0.93	31.6	0.95	37.6	0.97	44.1	0.99	51.6	1.01	61.6	1.03	71.6	1.05	81.6	1.07	27
18.6	0.89	23.6	0.92	28.6	0.94	34.6	0.96	41.2	0.99	48.7	1.01	58.7	1.03	68.7	1.05	78.7	1.07	28
—	—	20.0	0.91	25.0	0.93	31.1	0.96	37.6	0.98	45.1	1.00	55.1	1.03	65.1	1.05	75.1	1.07	29
—	—	19.9	0.91	25.0	0.93	31.0	0.96	37.5	0.98	45.0	1.00	55.0	1.03	65.1	1.05	75.1	1.07	30
5VX850		5VX950		5VX1060		5VX1180		5VX1320		5VX1500		5VX1700		5VX1900		5V2120		
—	—	19.0	0.91	24.5	0.94	30.6	0.96	37.6	0.99	46.6	1.01	56.7	1.04	66.7	1.06	77.7	1.08	31
33.5	0.93	38.5	0.95	44.0	0.97	50.0	0.99	57.0	1.01	66.0	1.03	76.0	1.05	86.0	1.07	97.0	1.09	32
33.1	0.93	38.1	0.95	43.6	0.97	49.6	0.99	56.6	1.01	65.7	1.03	75.7	1.05	85.7	1.07	96.7	1.09	33
31.6	0.93	36.6	0.95	42.1	0.97	48.2	0.99	55.2	1.01	64.2	1.03	74.2	1.05	84.2	1.07	95.2	1.09	34
31.2	0.93	36.3	0.95	41.8	0.97	47.8	0.99	54.8	1.01	63.8	1.03	73.8	1.05	83.8	1.07	94.8	1.09	35
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		
28.4	0.92	33.4	0.94	38.4	0.96	44.4	0.98	50.9	1.00	58.4	1.02	68.4	1.04	78.4	1.06	88.4	1.08	36
23.4	0.91	28.4	0.93	33.4	0.95	39.4	0.97	45.9	0.99	53.4	1.01	63.4	1.03	73.4	1.06	83.4	1.07	37
22.4	0.91	27.4	0.93	32.4	0.95	30.4	0.97	45.0	0.99	52.5	1.01	62.5	1.03	72.5	1.05	82.5	1.07	38
30.8	0.92	35.8	0.94	40.8	0.96	46.8	0.98	53.3	1.00	60.8	1.02	70.8	1.04	80.8	1.06	90.8	1.08	39
29.5	0.92	34.5	0.94	39.5	0.96	45.5	0.98	52.0	1.00	59.5	1.02	69.5	1.04	79.5	1.06	89.5	1.08	40
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		
28.1	0.92	33.1	0.94	38.1	0.96	44.1	0.98	50.6	1.00	58.1	1.02	68.1	1.04	78.1	1.06	88.1	1.08	41
27.3	0.92	32.3	0.94	37.3	0.96	43.3	0.98	49.8	1.00	57.3	1.01	67.3	1.04	77.3	1.06	87.3	1.08	42
26.4	0.91	31.4	0.94	36.4	0.95	42.4	0.97	48.9	0.99	56.4	1.01	66.4	1.04	76.4	1.06	86.4	1.07	43
23.3	0.91	28.3	0.93	33.3	0.95	39.3	0.97	45.8	0.99	53.3	1.01	63.3	1.03	73.3	1.06	83.3	1.07	44
22.5	0.90	27.5	0.93	32.5	0.95	38.5	0.97	45.0	0.99	52.5	1.01	62.5	1.03	72.5	1.05	82.5	1.07	45
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		
21.4	0.90	26.4	0.93	31.4	0.95	37.4	0.97	43.9	0.99	51.4	1.01	61.4	1.03	71.4	1.05	81.4	1.07	46
19.2	0.89	24.2	0.92	29.3	0.94	35.3	0.97	41.8	0.99	49.3	1.01	59.3	1.03	69.3	1.05	79.3	1.07	47
18.7	0.89	23.7	0.92	28.7	0.94	34.7	0.96	41.2	0.99	48.7	1.01	58.8	1.03	68.8	1.05	78.8	1.07	48
18.4	0.89	23.4	0.92	28.5	0.94	34.5	0.96	41.0	0.98	48.5	1.01	58.5	1.03	68.5	1.05	78.5	1.07	49
31.7	0.92	36.7	0.94	41.7	0.96	47.7	0.98	54.2	1.00	61.8	1.02	71.8	1.04	81.8	1.06	91.8	1.08	50
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		
31.3	0.92	36.4	0.94	41.4	0.96	47.4	0.98	53.9	1.00	61.4	1.02	71.4	1.04	81.4	1.06	91.4	1.08	51
30.6	0.92	35.6	0.94	40.6	0.96	46.6	0.98	53.1	1.00	60.6	1.02	70.6	1.04	80.6	1.06	90.6	1.08	52
28.8	0.92	33.8	0.94	38.8	0.96	44.8	0.98	51.3	1.00	58.8	1.02	68.8	1.04	78.8	1.06	88.8	1.08	53
27.9	0.92	32.9	0.94	37.9	0.96	43.9	0.98	50.4	1.00	57.9	1.02	67.9	1.04	77.9	1.06	87.9	1.08	54
27.1	0.91	32.1	0.94	37.1	0.96	43.1	0.98	49.6	0.99	57.1	1.01	67.1	1.04	77.1	1.06	87.1	1.08	55
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		
25.6	0.91	30.6	0.93	35.6	0.95	41.6	0.97	48.1	0.99	55.6	1.01	65.6	1.04	75.6	1.06	85.6	1.07	56
24.4	0.91	29.4	0.93	34.4	0.95	40.4	0.97	46.9	0.99	54.4	1.01	64.4	1.04	74.4	1.06	84.4	1.07	57
21.7	0.90	26.7	0.93	31.7	0.95	37.7	0.97	44.2	0.99	51.7	1.01	61.8	1.03	71.8	1.05	81.8	1.07	58
—	—	18.0	0.90	23.1	0.93	29.1	0.95	35.7	0.98	43.2	1.00	53.2	1.02	63.2	1.05	73.2	1.07	59
30.7	0.92	35.7	0.94	40.7	0.96	46.7	0.98	53.2	1.00	60.7	1.02	70.7	1.04	80.7	1.06	90.7	1.08	60
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		
30.2	0.92	35.2	0.94	40.2	0.96	46.2	0.98	52.7	1.00	60.2	1.02	70.2	1.04	80.2	1.06	90.2	1.08	61
28.2	0.92	33.2	0.94	38.2	0.96	44.2	0.98	50.7	1.00	58.2	1.02	68.2	1.04	78.2	1.06	88.2	1.08	62
26.4	0.91	31.5	0.94	36.5	0.95	42.5	0.97	49.0	0.99	56.5	1.01	66.5	1.04	76.5	1.06	86.5	1.07	63
25.7	0.91	30.7	0.93	35.7	0.95	41.7	0.97	48.2	0.99	55.7	1.01	65.7	1.04	75.7	1.06	85.7	1.07	64
18.5	0.89	23.5	0.92	28.5	0.94	34.6	0.96	41.1	0.98	48.6	1.01	58.6	1.03	68.6	1.05	76.6	1.07	65
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		
31.7	0.92	36.7	0.94	41.7	0.96	47.7	0.98	54.2	1.00	61.7	1.02	71.7	1.04	81.7	1.06	91.7	1.08	66
31.3	0.92	36.3	0.94	41.3	0.96	47.3	0.98	53.8	1.00	61.3	1.02	71.3	1.04	81.3	1.06	91.3	1.08	67
30.9	0.92	35.9	0.94	40.9	0.96	46.9	0.98	53.4	1.00	60.9	1.02	70.9	1.04	80.9	1.06	90.9	1.08	68
29.5	0.92	34.5	0.94	39.5	0.96	45.5	0.98	52.0	1.00	59.5	1.02	69.5	1.04	79.5	1.06	89.6	1.08	69
28.0	0.92	33.0	0.94	38.0	0.96	44.0	0.98	50.5	1.00	58.0	1.01	68.0	1.04	78.0	1.06	88.0	1.08	70
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		
27.8	0.92	32.8	0.94	37.8	0.96	43.8	0.98	50.3	1.00	57.8	1.01	67.8	1.04	77.8	1.06	87.8	1.08	71
27.4	0.92	32.4	0.94	37.4	0.96	43.4	0.98	49.9	0.99	57.4	1.01	67.4	1.04	77.4	1.06	87.4	1.08	72
27.2	0.91	32.2	0.94	37.2	0.95	43.2	0.98	49.7	0.99	57.2	1.01	67.2	1.04	77.2	1.06	87.2	1.07	73
21.5	0.90	26.5	0.93	31.6	0.95	37.6	0.97	44.1	0.99	51.6	1.01	61.6	1.03	71.6	1.05	81.6	1.07	74
20.2	0.90	25.2	0.92	30.2	0.94	36.2	0.97	42.7	0.99	50.2	1.01	60.3	1.03	70.3	1.05	80.3	1.07	75

B

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Pitch Diameter Driver	Pitch Diameter Driven	Type Fix.	Type Var.	1750 RPM Driver: Nominal Driven Speed	1750 RPM Driver: HP per Belt Super	1750 RPM Driver: HP per Belt Gripnotch	1160 RPM Driver: Nominal Driven Speed	1160 RPM Driver: HP per Belt Super	1160 RPM Driver: HP per Belt Gripnotch	Center Distance in Inches and "F" Factor for Browning Belts: Belt No. C.D.	F	Belt No. C.D.	F	Belt No. C.D.	F
														5VX500		5VX600		5VX710	
1	1.46	1	4	13.7	20.1	x	—	1198	39.80	47.35	794	30.71	34.48	—	—	—	—	—	—
2	1.47	2	4	4.8	7.1	x	—	1190	—	11.67	789	—	8.25	15.6	0.83	20.6	0.87	26.1	0.90
3	1.47	1	4	5.1	7.5	x	—	1190	—	13.05	789	—	9.21	15.1	0.83	20.1	0.87	25.6	0.90
4	1.47	1	4	5.5	8.1	x	—	1190	—	14.88	789	—	10.48	14.3	0.83	19.3	0.87	24.8	0.90
5	1.47	2	4	5.7	8.4	x	—	1190	—	15.78	789	—	11.11	13.9	0.83	18.9	0.86	24.4	0.90
														5VX500		5VX600		5VX710	
6	1.47	1	4	5.9	8.7	x	—	1190	—	16.68	789	—	11.73	13.5	0.83	18.5	0.86	24.0	0.89
7	1.47	2	4	6.9	10.2	x	—	1190	—	21.09	789	—	14.84	11.5	0.81	16.5	0.86	22.0	0.89
8	1.47	2	10	8.4	12.4	x	x	1190	22.70	27.48	789	16.55	19.40	—	—	13.5	0.84	19.1	0.88
9	1.47	2	10	8.9	13.1	x	—	1190	24.59	29.53	789	17.98	20.89	—	—	12.6	0.84	18.1	0.88
10	1.47	2	10	10.8	15.9	x	—	1190	31.27	37.03	789	23.24	26.43	—	—	—	—	14.3	0.86
														5VX530		5VX710		5VX850	
11	1.47	2	10	15.9	23.5	x	—	1182	—	—	789	35.86	40.25	—	—	—	—	—	—
12	1.48	1	4	4.5	6.7	x	—	1182	—	10.28	783	—	7.29	17.7	0.85	26.7	0.90	33.7	0.93
13	1.48	2	4	4.7	7.0	x	—	1182	—	11.21	783	—	7.93	17.3	0.85	26.3	0.90	33.3	0.93
14	1.48	2	6	6.2	9.2	x	—	1182	—	18.02	783	—	12.67	14.3	0.83	23.4	0.89	30.4	0.93
15	1.48	1	4	7.5	11.1	x	—	1182	19.17	23.68	783	13.92	16.68	11.8	0.82	20.8	0.89	27.8	0.92
														5VX500		5VX600		5VX710	
16	1.48	2	10	7.9	11.7	x	—	1182	20.76	25.38	783	15.10	17.89	—	—	14.5	0.85	20.0	0.88
17	1.48	2	4	8.4	12.5	x	x	1182	22.70	27.48	783	16.55	19.40	—	—	13.4	0.84	19.0	0.88
18	1.48	2	4	9.2	13.7	x	—	1182	25.69	30.75	783	18.83	21.78	—	—	—	—	17.4	0.87
19	1.48	1	4	12.5	18.5	x	x	1182	36.54	43.26	783	27.71	31.21	—	—	—	—	—	—
20	1.48	2	4	12.5	18.6	x	x	1182	36.54	43.26	783	27.71	31.21	—	—	—	—	—	—
														5VX500		5VX600		5VX710	
21	1.49	2	4	5.3	7.9	x	—	1174	—	13.97	778	—	9.84	14.6	0.83	19.6	0.87	25.1	0.90
22	1.49	1	4	6.1	9.1	x	—	1174	—	17.57	778	—	12.36	13.0	0.82	18.0	0.86	23.5	0.89
23	1.49	2	4	6.5	9.7	x	—	1174	—	19.34	778	—	13.60	12.2	0.82	17.2	0.86	22.7	0.89
24	1.49	2	4	7.5	11.2	x	—	1174	19.17	23.68	778	13.92	16.68	10.2	0.80	15.2	0.85	20.7	0.89
25	1.49	2	4	10.8	16.1	x	—	1174	31.27	37.03	778	23.24	26.43	—	—	—	—	14.1	0.86
														5VX500		5VX600		5VX710	
26	1.49	2	4	12.4	18.5	x	—	1174	36.25	42.90	778	27.45	30.94	—	—	—	—	—	—
27	1.50	2	4	5.4	8.1	x	—	1166	—	14.42	773	—	10.16	14.3	0.83	19.4	0.86	24.9	0.90
28	1.50	2	4	5.8	8.7	x	—	1166	—	16.23	773	—	11.42	13.5	0.83	18.6	0.86	24.1	0.89
29	1.50	2	4	5.9	8.9	x	—	1166	—	16.68	773	—	11.73	13.3	0.82	18.3	0.86	23.8	0.89
30	1.50	2	4	6.1	9.2	x	—	1166	—	17.57	773	—	12.36	12.9	0.82	17.9	0.86	23.4	0.89
														5VX500		5VX600		5VX710	
31	1.50	1	4	6.3	9.5	x	—	1166	—	18.46	773	—	12.98	12.5	0.82	17.5	0.86	23.0	0.89
32	1.50	2	4	7.4	11.1	x	x	1166	18.77	23.25	773	13.63	16.37	10.3	0.80	15.4	0.85	20.9	0.89
33	1.50	2	4	8.7	13.1	x	—	1166	23.84	28.72	773	17.41	20.29	—	—	12.7	0.83	18.3	0.88
34	1.50	1	4	9.1	13.7	x	—	1166	25.33	30.35	773	18.55	21.48	—	—	—	—	17.5	0.87
35	1.50	2	10	12.4	18.6	x	—	1166	36.25	42.90	773	27.45	30.94	—	—	—	—	—	—
														5VX600		5VX800		5VX1000	
36	1.50	1	4	18.5	27.9	x	—	—	—	—	773	41.30	46.63	—	—	—	—	—	—
37	1.50	2	10	18.6	27.9	x	—	—	—	—	773	41.49	46.87	—	—	—	—	—	—
38	1.51	1	4	4.3	6.5	x	—	1158	—	9.35	768	—	6.64	21.5	0.87	31.5	0.92	41.5	0.96
39	1.51	1	4	4.7	7.1	x	—	1158	—	11.21	768	—	7.93	20.7	0.87	30.7	0.92	40.7	0.96
40	1.51	2	4	4.9	7.4	x	—	1158	—	12.14	768	—	8.57	20.3	0.87	30.3	0.92	40.3	0.96
														5VX530		5VX710		5VX850	
41	1.51	2	8	7.4	11.2	x	x	1158	18.77	23.25	768	13.63	16.37	11.7	0.82	20.8	0.88	27.8	0.92
42	1.51	2	10	9.2	13.9	x	—	1158	25.69	30.75	768	18.83	21.78	—	—	17.2	0.87	24.3	0.91
43	1.51	2	4	10.2	15.5	x	—	1158	29.25	34.72	768	21.61	24.70	—	—	15.1	0.86	22.2	0.90
44	1.51	2	10	13.9	21.1	x	—	1158	40.30	48.01	768	31.20	35.02	—	—	—	—	—	—
45	1.51	1	4	15.5	23.5	x	—	—	—	—	768	34.96	39.22	—	—	—	—	—	—
														5VX500		5VX600		5VX710	
46	1.52	1	4	5.3	8.1	x	—	1151	—	13.97	763	—	9.84	14.4	0.83	19.4	0.86	24.9	0.90
47	1.52	2	4	5.5	8.4	x	—	1151	—	14.88	763	—	10.48	14.0	0.83	19.0	0.86	24.5	0.89
48	1.52	1	4	5.7	8.7	x	—	1151	—	15.78	763	—	11.11	13.6	0.82	18.6	0.86	24.1	0.89
49	1.52	2	4	6.7	10.2	x	—	1151	—	20.22	763	—	14.22	11.6	0.81	16.6	0.85	22.2	0.89
50	1.52	2	4	7.1	10.8	x	—	1151	17.55	21.96	763	12.74	15.45	10.8	0.81	15.8	0.85	21.4	0.89
														5VX500		5VX600		5VX710	
51	1.52	2	4	9.1	13.9	x	—	1151	25.33	30.35	763	18.55	21.48	—	—	—	—	17.3	0.87
52	1.53	2	6	4.3	6.6	x	—	1143	—	9.35	758	—	6.64	16.4	0.84	21.4	0.87	26.9	0.90
53	1.53	1	4	4.5	6.9	x	—	1143	—	10.28	758	—	7.29	16.0	0.83	21.0	0.87	26.5	0.90
54	1.53	1	4	4.9	7.5	x	—	1143	—	12.14	758	—	8.57	15.2	0.83	20.2	0.87	25.7	0.90
55	1.53	2	6	5.8	8.9	x	—	1143	—	16.23	758	—	11.42	13.4	0.82	18.4	0.86	23.9	0.89
														5VX500		5VX600		5VX710	
56	1.53	2	4	6.2	9.5	x	—	1143	—	18.02	758	—	12.67	12.6	0.82	17.6	0.86	23.1	0.89
57	1.53	2	4	6.3	9.7	x	—	1143	—	18.46	758	—	12.98	12.3	0.82	17.4	0.86	22.9	0.89
58	1.63	2	4	8.1	12.4	x	—	1143	21.54	26.22	758	15.68	18.49	—	—	13.7	0.84	19.3	0.88
59	1.53	2	4	8.9	13.7	x	—	1143	24.59	29.53	758	17.98	20.89	—	—	12.0	0.83	17.6	0.87
60	1.53	2	10	9.7	14.9	x	—	1143	27.50	32.76	758	20.23	23.25	—	—	—	—	16.0	0.86
														5VX500		5VX600		5VX710	
61	1.53	2	4	13.1	20.1	x	—	1143	38.22	45.34	758	29.22	32.86	—	—	—	—	—	—
62	1.54	2	6	4.8	7.4	x	—	1136	—	11.67	753	—	8.25	15.4	0.83	20.4	0.87	25.9	0.90
63	1.54	2	6	5.1	7.9	x	—	1136	—	13.05	753	—	9.21	14.7	0.83	19.7	0.86	25.3	0.90
64	1.54	1	4	5.9	9.1	x	—	1136	—	16.68	753	—	11.73	13.1	0.82	18.2	0.86	23.7	0.89
65	1.54	2	6	6.6	10.2	x	—	1136	—	19.78	753	—	13.91	11.7	0.81	16.7	0.85	22.2	0.89
														5VX500		5VX630		5VX750	
66	1.54	2	8	7.0	10.8	x	x	1136	17.15	21.53	753	12.44	15.15	10.9	0.81	17.4	0.86	23.5	0.90
67	1.54	1	4	8.1	12.5	x	—	1136	21.54	26.22	753	15.68	18.49	—	—	15.2	0.85	21.2	0.89
68	1.54	2	4	13.7	21.1	x	—	1136	39.80	47.35	753	30.71	34.48	—	—	—	—	—	—
69	1.55	1	4	4.3	6.7	x	—	1129	—	9.35	748	—	6.64	16.3	0.83	22.8	0.88	28.8	0.91
70	1.55	2	6	4.5	7.0	x	—	1129	—	10.28	748	—	7.29	15.9	0.83	22.4	0.88	28.4	0.91
														5VX500		5VX600		5VX710	
71	1.55	2	6	5.4	8.4	x	—	1129	—	14.42	748	—	10.16	14.1	0.83	19.1	0.86	24.6	0.89
72	1.55	2	4	5.9	9.2	x	—	1129	—	16.68	748	—	11.73	13.0	0.82	18.1	0.86	23.6	0.89
73	1.55	1	4	6.1	9.5	x	—	1129	—	17.57	748	—	12.36	12.6	0.82	17.7	0.86	23.2	0.89
74	1.55	2	10	8.4	13.1	x	x	1129	22.70	27.48	748	16.55	19.40	—	—	12.9	0.83	18.5	0.87
75	1.55	2	10	10.2	15.9	x	—	1129	29.25	34.72	748	21.61	24.70	—	—	—	—	14.7	0.85

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc–Length Factor (F) using Browning Belts

Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		
—	—	18.2	0.90	23.2	0.92	29.3	0.95	35.8	0.97	43.3	1.00	53.4	1.02	63.4	1.05	73.4	1.07	1
30.6	0.92	35.6	0.94	40.6	0.96	46.6	0.98	53.1	1.00	60.6	1.02	70.6	1.04	80.7	1.06	90.7	1.08	2
30.1	0.92	35.1	0.94	40.1	0.96	46.1	0.98	52.6	1.00	60.1	1.02	70.1	1.04	80.1	1.06	90.1	1.08	3
29.3	0.92	34.3	0.94	39.3	0.96	45.3	0.98	51.8	1.00	59.3	1.02	69.3	1.04	79.3	1.06	89.3	1.08	4
28.9	0.92	33.9	0.94	38.9	0.96	44.9	0.98	51.4	1.00	58.9	1.02	68.9	1.04	78.9	1.06	88.9	1.08	5
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		
28.5	0.92	33.5	0.94	38.5	0.96	44.5	0.98	51.0	1.00	58.5	1.02	68.5	1.04	78.5	1.06	88.5	1.08	6
26.5	0.91	31.5	0.93	36.5	0.95	42.5	0.97	49.0	0.99	56.6	1.01	66.6	1.04	76.6	1.06	88.6	1.07	7
23.6	0.91	28.6	0.93	33.6	0.95	39.6	0.97	46.1	0.99	53.6	1.01	63.6	1.03	73.6	1.05	83.6	1.07	8
22.6	0.90	27.7	0.93	32.7	0.95	38.7	0.97	45.2	0.99	52.7	1.01	62.7	1.03	72.7	1.05	82.7	1.07	9
18.9	0.89	23.9	0.92	28.9	0.94	34.9	0.96	41.5	0.98	49.0	1.01	59.0	1.03	69.0	1.05	79.0	1.07	10
5VX950		5VX1060		5VX1180		5VX1320		5VX1500		5VX1700		5VX1900		5V2120		5V2360		
—	—	21.7	0.92	27.8	0.95	34.9	0.98	43.9	1.00	53.9	1.03	64.0	1.05	75.0	1.07	87.0	1.09	11
38.7	0.95	44.2	0.97	50.2	0.99	57.2	1.01	66.2	1.03	76.2	1.05	86.2	1.07	97.2	1.09	109.2	1.10	12
38.3	0.95	43.8	0.97	49.8	0.99	56.8	1.01	65.8	1.03	75.8	1.05	85.8	1.07	96.8	1.09	108.8	1.10	13
35.4	0.95	40.9	0.97	46.9	0.98	53.9	1.00	62.9	1.03	72.9	1.05	82.9	1.07	93.9	1.09	105.9	1.10	14
32.8	0.94	38.4	0.96	44.4	0.98	51.4	1.00	60.4	1.02	70.4	1.05	80.4	1.07	91.4	1.08	103.4	1.10	15
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		
24.5	0.91	29.6	0.93	34.6	0.95	40.6	0.97	47.1	0.99	54.6	1.01	64.6	1.03	74.6	1.06	84.6	1.07	16
23.5	0.91	28.5	0.93	33.5	0.95	39.5	0.97	46.0	0.99	53.6	1.01	63.6	1.03	73.6	1.05	83.6	1.07	17
21.9	0.90	26.9	0.92	31.9	0.95	38.0	0.97	44.5	0.99	52.0	1.01	62.0	1.03	72.0	1.05	82.0	1.07	18
—	—	20.4	0.90	25.5	0.93	31.5	0.96	38.0	0.98	45.6	1.00	55.6	1.03	65.6	1.05	75.6	1.07	19
—	—	20.4	0.90	25.4	0.93	31.4	0.96	38.0	0.98	45.5	1.00	55.5	1.03	65.5	1.05	75.5	1.07	20
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		
29.6	0.92	34.6	0.94	39.6	0.96	45.6	0.98	52.1	1.00	59.6	1.02	69.6	1.04	79.6	1.06	89.6	1.08	21
28.0	0.92	33.0	0.94	38.0	0.96	44.0	0.98	50.5	0.99	58.0	1.01	68.1	1.04	78.1	1.06	88.1	1.08	22
27.2	0.91	32.2	0.94	37.2	0.95	43.3	0.97	49.8	0.99	57.3	1.01	67.3	1.04	77.3	1.06	87.3	1.07	23
25.3	0.91	30.3	0.93	35.3	0.95	41.3	0.97	47.8	0.99	55.3	1.01	65.3	1.04	75.3	1.06	85.3	1.07	24
18.7	0.89	23.7	0.92	28.8	0.94	34.8	0.96	41.3	0.98	48.8	1.00	58.8	1.03	68.8	1.05	78.8	1.07	25
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		
—	—	20.5	0.90	25.6	0.93	31.6	0.96	38.1	0.98	45.6	1.00	55.7	1.03	65.7	1.05	75.7	1.07	26
29.4	0.92	34.4	0.94	39.4	0.96	45.4	0.98	51.9	1.00	59.4	1.02	69.4	1.04	79.4	1.06	89.4	1.08	27
28.6	0.92	33.6	0.94	38.6	0.96	44.6	0.98	51.1	1.00	58.6	1.01	68.6	1.04	78.6	1.06	88.6	1.08	28
28.3	0.92	33.3	0.94	38.4	0.96	44.4	0.98	50.9	0.99	58.4	1.01	68.4	1.04	78.4	1.06	88.4	1.08	29
27.9	0.91	33.0	0.94	38.0	0.96	44.0	0.98	50.5	0.99	58.0	1.01	68.0	1.04	78.0	1.06	88.0	1.08	30
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		
27.6	0.91	32.6	0.94	37.6	0.95	43.6	0.97	50.1	0.99	57.6	1.01	67.6	1.04	77.6	1.06	87.6	1.07	31
25.4	0.91	30.4	0.93	35.4	0.95	41.4	0.97	47.9	0.99	55.4	1.01	65.5	1.04	75.5	1.06	85.5	1.07	32
22.8	0.90	27.8	0.93	32.8	0.95	38.8	0.97	45.3	0.99	52.8	1.01	62.8	1.03	72.9	1.05	82.9	1.07	33
22.0	0.90	27.0	0.92	32.0	0.95	38.0	0.97	44.5	0.99	52.1	1.01	62.1	1.03	72.1	1.05	82.1	1.07	34
—	—	20.4	0.90	25.5	0.93	31.5	0.95	38.0	0.98	45.6	1.00	55.6	1.03	65.6	1.05	75.6	1.07	35
5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		5V2240		5V2500		5V2800		5V3150		
25.6	0.94	33.2	0.98	43.3	1.01	53.4	1.03	63.4	1.05	75.4	1.08	88.5	1.10	103.5	1.12	121.0	1.14	36
25.6	0.94	33.2	0.98	43.2	1.01	53.3	1.03	63.3	1.06	75.4	1.08	88.4	1.10	103.4	1.12	120.9	1.14	37
54.0	1.00	61.5	1.02	71.5	1.04	81.5	1.06	91.5	1.08	103.5	1.10	116.5	1.11	131.5	1.13	149.0	1.15	38
53.2	1.00	60.7	1.02	70.7	1.04	80.7	1.06	90.7	1.08	102.7	1.10	115.7	1.11	130.7	1.13	148.2	1.15	39
52.8	1.00	60.3	1.02	70.3	1.04	80.3	1.06	90.3	1.08	102.3	1.10	115.3	1.11	130.3	1.13	147.8	1.15	40
5VX950		5VX1060		5VX1180		5VX1320		5VX1500		5VX1700		5VX1900		5V2120		5V2360		
32.8	0.94	38.4	0.96	44.4	0.98	51.4	1.00	60.4	1.02	70.4	1.05	80.4	1.06	91.4	1.08	103.4	1.10	41
29.3	0.93	34.8	0.96	40.8	0.98	47.8	1.00	56.8	1.02	66.8	1.04	76.8	1.06	87.8	1.08	99.8	1.10	42
27.2	0.93	32.7	0.95	38.7	0.97	45.7	0.99	54.8	1.02	64.8	1.04	74.8	1.06	85.8	1.08	97.8	1.10	43
19.7	0.90	25.3	0.93	31.3	0.96	38.4	0.98	47.4	1.01	57.4	1.03	67.4	1.05	78.4	1.07	90.5	1.09	44
—	—	22.0	0.92	28.1	0.95	35.2	0.98	44.2	1.00	54.2	1.03	64.3	1.05	75.3	1.07	87.3	1.09	45
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		
29.4	0.92	34.5	0.94	39.5	0.96	45.5	0.98	52.0	1.00	59.5	1.02	69.5	1.04	79.5	1.06	89.5	1.08	46
29.1	0.92	34.1	0.94	39.1	0.96	45.1	0.98	51.6	1.00	59.1	1.01	69.1	1.04	79.1	1.06	89.1	1.08	47
28.7	0.92	33.7	0.94	38.7	0.96	44.7	0.98	51.2	0.99	58.7	1.01	68.7	1.04	78.7	1.06	88.7	1.08	48
26.7	0.91	31.7	0.93	36.7	0.95	42.7	0.97	49.2	0.99	56.7	1.01	66.7	1.04	76.7	1.06	86.7	1.07	49
25.9	0.91	30.9	0.93	35.9	0.95	41.9	0.97	48.4	0.99	55.9	1.01	65.9	1.04	75.9	1.06	85.9	1.07	50
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		
21.8	0.90	26.8	0.92	31.9	0.94	37.9	0.97	44.4	0.99	51.9	1.01	61.9	1.03	71.9	1.05	81.9	1.07	51
31.4	0.92	36.4	0.94	41.4	0.96	47.4	0.98	53.9	1.00	61.4	1.02	71.4	1.04	81.4	1.06	91.4	1.08	52
31.0	0.92	36.0	0.94	41.0	0.96	47.0	0.98	53.5	1.00	61.0	1.02	71.0	1.04	81.0	1.06	91.0	1.08	53
30.2	0.92	35.2	0.94	40.2	0.96	46.2	0.98	52.7	1.00	60.3	1.02	70.3	1.04	80.3	1.06	90.3	1.08	54
28.4	0.92	33.4	0.94	38.4	0.96	44.4	0.98	50.9	0.99	58.4	1.01	68.4	1.04	78.4	1.06	88.4	1.08	55
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		
27.6	0.91	32.6	0.94	37.6	0.95	43.6	0.97	50.1	0.99	57.7	1.01	67.7	1.04	77.7	1.06	87.7	1.07	56
27.4	0.91	32.4	0.93	37.4	0.95	43.4	0.97	49.9	0.99	57.4	1.01	67.4	1.04	77.4	1.06	87.4	1.07	57
23.8	0.90	28.8	0.93	33.8	0.95	39.8	0.97	46.4	0.99	53.9	1.01	63.9	1.03	73.9	1.05	83.9	1.07	58
22.1	0.90	27.2	0.92	32.2	0.94	38.2	0.97	44.7	0.99	52.2	1.01	62.2	1.03	72.2	1.05	82.2	1.07	59
20.5	0.89	25.6	0.92	30.6	0.94	36.6	0.96	43.1	0.98	50.6	1.01	60.6	1.03	70.6	1.05	80.6	1.07	60
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		
—	—	18.6	0.89	23.7	0.92	29.7	0.95	36.3	0.97	43.8	1.00	53.8	1.02	63.8	1.04	73.9	1.06	61
30.4	0.92	35.4	0.94	40.4	0.96	46.4	0.98	52.9	1.00	60.4	1.02	70.4	1.04	80.4	1.06	90.4	1.08	62
29.8	0.92	34.8	0.94	39.8	0.96	45.8	0.98	52.3	1.00	59.8	1.02	69.8	1.04	79.8	1.06	89.8	1.08	63
28.2	0.91	33.2	0.94	38.2	0.95	44.2	0.97	50.7	0.99	58.2	1.01	68.2	1.04	78.2	1.06	88.2	1.07	64
26.8	0.91	31.8	0.93	36.8	0.95	42.8	0.97	49.3	0.99	56.8	1.01	66.8	1.04	76.8	1.06	86.8	1.07	65
5VX850		5VX950		5VX1060		5VX1180		5VX1320		5VX1500		5VX1700		5VX1900		5V2120		
28.5	0.92	33.5	0.94	39.0	0.96	45.0	0.98	52.0	1.00	61.0	1.02	71.0	1.05	81.0	1.06	92.0	1.08	66
26.2	0.92	31.3	0.94	36.8	0.96	42.8	0.98	49.8	1.00	58.8	1.02	68.8	1.04	78.8	1.06	89.8	1.08	67
—	—	19.8	0.90	25.4	0.93	31.5	0.96	38.5	0.98	47.5	1.01	57.6	1.03	67.6	1.05	78.6	1.07	68
33.8	0.93	38.8	0.95	44.3	0.97	50.4	0.99	57.4	1.01	66.4	1.03	76.4	1.05	86.4	1.07	97.4	1.09	69
33.4	0.93	38.5	0.95	44.0	0.97	50.0	0.99	57.0	1.01	66.0	1.03	76.0	1.05	86.0	1.07	97.0	1.09	70
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		
29.1	0.92	34.1	0.94	39.1	0.96	45.1	0.98	51.6	1.00	59.1	1.01	69.2	1.04	79.2	1.06	89.2	1.08	71
28.1	0.91	33.1	0.94	38.1	0.95	44.1	0.97	50.6	0.99	58.1	1.01	68.1	1.04	78.1	1.06	88.1	1.07	72
27.7	0.91	32.7	0.93	37.7	0.95	43.7	0.97	50.2	0.99	57.7	1.01	67.7	1.04	77.7	1.06	87.7	1.07	73
23.0	0.90	28.0	0.92	33.0	0.95	39.1	0.97	45.6	0.99	53.1	1.01	63.1	1.03	73.1	1.05	83.1	1.07	74
19.3	0.89	24.3	0.91	29.4	0.94	35.4	0.96	41.9	0.98	49.4	1.00	59.4	1.03	69.5	1.05	79.5	1.07	75

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves		Pitch Diameter		Type		Nominal Driven Speeds and Horsepower per Belt						Center Distance in Inches and "F" Factor for Browning Belts					
								1750 RPM Driver			1160 RPM Driver			Belt No.		Belt No.		Belt No.	
		Min	Max	Driver	Driven	Fix.	Var.	Nominal Driven Speed	HP per Belt Super	HP per Belt Gripnotch	Nominal Driven Speed	HP per Belt Super	HP per Belt Gripnotch	C.D.	F	C.D.	F	C.D.	F
														5VX560		5VX750		5VX900	
1	1.55	1	4	16.1	25.1	x	—	—	—	—	748	36.30	40.75	—	—	—	—	—	—
2	1.56	2	4	4.8	7.5	x	—	1121	—	11.67	743	—	8.25	18.3	0.85	27.8	0.91	35.3	0.94
3	1.56	2	4	5.7	8.9	x	—	1121	—	15.78	743	—	11.11	16.5	0.85	26.0	0.90	33.5	0.94
4	1.56	2	4	5.8	9.1	x	—	1121	—	16.23	743	—	11.42	16.2	0.84	25.8	0.90	33.3	0.94
5	1.56	2	6	6.2	9.7	x	—	1121	—	18.02	743	—	12.67	15.4	0.84	25.0	0.90	32.5	0.93
														5VX500		5VX600		5VX710	
6	1.56	2	4	6.5	10.2	x	—	1121	—	19.34	743	—	13.60	11.7	0.81	16.8	0.85	22.3	0.89
7	1.56	2	4	6.9	10.8	x	—	1121	—	21.09	743	—	14.84	10.9	0.80	16.0	0.85	21.5	0.89
8	1.56	1	4	7.1	11.1	x	—	1121	17.55	21.96	743	12.74	15.45	10.5	0.80	15.6	0.85	21.1	0.88
9	1.56	2	4	7.5	11.7	x	—	1121	19.17	23.68	743	13.92	16.68	—	—	14.8	0.84	20.3	0.88
10	1.56	2	10	7.9	12.4	x	—	1121	20.76	25.38	743	15.10	17.89	—	—	13.9	0.84	19.4	0.88
														5VX600		5VX800		5VX1000	
11	1.56	2	10	8.9	13.9	x	—	1121	24.59	29.53	743	17.98	20.89	—	—	22.0	0.90	32.0	0.94
12	1.56	2	4	9.5	14.9	x	x	1121	26.78	31.96	743	19.67	22.66	—	—	20.7	0.89	30.7	0.94
13	1.56	5	10	15.9	24.9	x	—	—	—	—	743	35.86	40.25	—	—	—	—	—	—
14	1.56	3	4	20.1	31.4	x	—	—	—	—	743	44.27	50.31	—	—	—	—	—	—
15	1.57	1	4	4.5	7.1	x	—	1114	—	10.42	738	—	7.38	20.9	0.87	30.9	0.92	40.9	0.96
														5VX530		5VX710		5VX850	
16	1.57	2	4	4.7	7.4	x	—	1114	—	11.35	738	—	8.02	16.9	0.84	26.0	0.90	33.0	0.93
17	1.57	2	4	7.1	11.2	x	—	1114	17.75	22.10	738	12.87	15.55	12.0	0.82	21.0	0.88	28.1	0.92
18	1.57	1	4	8.7	13.7	x	—	1114	24.03	28.85	738	17.54	20.39	—	—	17.7	0.87	24.8	0.91
19	1.57	2	4	10.2	16.1	x	—	1114	29.44	34.86	738	21.74	24.79	—	—	14.6	0.85	21.7	0.90
20	1.57	2	10	14.9	23.5	x	—	—	—	—	738	33.70	37.76	—	—	—	—	—	—
														5VX560		5VX750		5VX900	
21	1.57	2	4	15.9	25.1	x	—	—	—	—	738	35.98	40.34	—	—	—	—	—	—
22	1.58	1	4	5.1	8.1	x	—	1107	—	13.19	734	—	9.30	17.6	0.85	27.1	0.90	34.6	0.94
23	1.58	2	4	5.3	8.4	x	—	1107	—	14.11	734	—	9.93	17.2	0.85	26.7	0.90	34.2	0.94
24	1.58	1	4	5.5	8.7	x	—	1107	—	15.02	734	—	10.57	16.8	0.85	26.3	0.90	33.8	0.94
25	1.58	2	6	5.8	9.2	x	—	1107	—	16.37	734	—	11.51	16.1	0.84	25.7	0.90	33.2	0.94
														5VX500		5VX600		5VX710	
26	1.58	2	4	7.0	11.1	x	x	1107	17.34	21.67	734	12.57	15.24	10.6	0.80	15.7	0.85	21.2	0.88
27	1.58	2	8	7.4	11.7	x	x	1107	18.96	23.39	734	13.76	16.46	—	—	14.9	0.84	20.4	0.88
28	1.58	2	4	7.9	12.5	x	—	1107	20.95	25.52	734	15.23	17.98	—	—	13.8	0.84	19.3	0.88
29	1.58	2	4	11.7	18.5	x	—	1107	34.34	40.53	734	25.77	29.08	—	—	—	—	—	—
30	1.58	2	10	11.7	18.6	x	—	1107	34.34	40.53	734	25.77	29.08	—	—	—	—	—	—
														5VX500		5VX600		5VX710	
31	1.59	1	4	4.7	7.5	x	—	1100	—	11.35	729	—	8.02	15.4	0.83	20.4	0.86	25.9	0.90
32	1.59	1	4	5.7	9.1	x	—	1100	—	15.92	729	—	11.20	13.3	0.82	18.3	0.86	23.8	0.89
33	1.59	2	4	6.1	9.7	x	—	1100	—	17.71	729	—	12.45	12.5	0.81	17.5	0.85	23.0	0.89
34	1.59	2	4	8.7	13.9	x	—	1100	24.03	28.85	729	17.54	20.39	—	—	12.0	0.82	17.6	0.87
35	1.59	2	4	9.7	15.5	x	—	1100	27.69	32.90	729	20.36	23.34	—	—	—	—	15.4	0.86
														5VX500		5VX600		5VX710	
36	1.60	1	4	4.3	6.9	x	—	1093	—	9.49	725	—	6.73	16.2	0.83	21.2	0.87	26.7	0.90
37	1.60	1	4	6.9	11.1	x	—	1093	—	21.23	725	—	14.93	10.7	0.80	15.7	0.85	21.3	0.88
38	1.60	2	8	7.0	11.2	x	x	1093	17.34	21.67	725	12.57	15.24	10.5	0.80	15.6	0.85	21.1	0.88
39	1.60	1	4	12.5	20.1	x	x	1093	36.73	43.40	725	27.84	31.31	—	—	—	—	—	—
40	1.61	2	4	4.9	7.9	x	—	1086	—	12.28	720	—	8.66	14.9	0.83	19.9	0.86	25.4	0.89
														5VX500		5VX600		5VX710	
41	1.61	2	4	5.4	8.7	x	—	1086	—	14.56	720	—	10.25	13.8	0.82	18.9	0.86	24.4	0.89
42	1.61	2	4	5.5	8.9	x	—	1086	—	15.02	720	—	10.57	13.6	0.82	18.6	0.86	24.1	0.89
43	1.61	2	4	5.7	9.2	x	—	1086	—	15.92	720	—	11.20	13.2	0.82	18.2	0.86	23.7	0.89
44	1.61	1	4	5.9	9.5	x	—	1086	—	16.82	720	—	11.83	12.8	0.82	17.8	0.86	23.3	0.89
45	1.61	2	4	6.3	10.2	x	—	1086	—	18.60	720	—	13.08	11.9	0.81	16.9	0.85	22.5	0.89
														5VX560		5VX750		5VX900	
46	1.61	2	4	6.7	10.8	x	—	1086	—	20.36	720	—	14.32	14.1	0.83	23.7	0.90	31.2	0.93
47	1.61	2	4	8.1	13.1	x	—	1086	21.73	26.36	720	15.81	18.59	—	—	20.7	0.88	28.2	0.92
48	1.01	2	10	9.2	14.9	x	—	1086	25.89	30.89	720	18.96	21.87	—	—	18.4	0.87	25.9	0.92
49	1.61	2	10	13.1	21.1	x	—	1086	38.41	45.48	720	29.35	32.95	—	—	—	—	—	—
50	1.61	1	4	15.5	25.1	x	—	—	—	—	720	35.08	39.32	—	—	—	—	—	—
														5VX500		5VX600		5VX710	
51	1.62	2	6	4.3	7.0	x	—	1080	—	9.49	716	—	6.73	16.1	0.83	21.1	0.87	26.6	0.90
52	1.62	2	4	6.9	11.2	x	—	1080	—	21.23	716	—	14.93	10.6	0.80	15.6	0.84	21.2	0.88
53	1.62	2	4	12.4	20.1	x	—	1080	36.44	43.04	716	27.58	31.03	—	—	—	—	—	—
54	1.63	2	4	5.8	9.5	x	—	1073	—	16.37	711	—	11.51	12.9	0.81	17.9	0.85	23.4	0.89
55	1.63	2	6	6.6	10.8	x	—	1073	—	19.92	711	—	14.01	11.1	0.80	16.2	0.85	21.7	0.88
														5VX500		5VX600		5VX710	
56	1.63	2	4	8.4	13.7	x	x	1073	22.89	27.61	711	16.68	19.49	—	—	12.4	0.82	18.0	0.87
57	1.63	2	4	9.1	14.9	x	—	1073	25.52	30.49	711	18.68	21.57	—	—	—	—	16.4	0.86
58	1.63	1	4	9.5	15.5	x	x	1073	26.98	32.10	711	19.80	22.75	—	—	—	—	15.6	0.85
59	1.63	2	10	9.7	15.9	x	—	1073	27.69	32.90	711	20.36	23.34	—	—	—	—	15.1	0.85
60	1.64	2	6	4.5	7.4	x	—	1067	—	10.42	707	—	7.38	15.6	0.83	20.6	0.86	26.1	0.90
														5VX500		5VX600		5VX710	
61	1.64	2	6	4.8	7.9	x	—	1067	—	11.81	707	—	8.34	15.0	0.83	20.0	0.86	25.5	0.89
62	1.64	2	6	5.1	8.4	x	—	1067	—	13.19	707	—	9.30	14.3	0.82	19.3	0.86	24.8	0.89
63	1.64	1	4	5.3	8.7	x	—	1067	—	14.11	707	—	9.93	13.9	0.82	18.9	0.86	24.5	0.89
64	1.64	2	6	5.4	8.9	x	—	1067	—	14.56	707	—	10.25	13.7	0.82	18.7	0.86	24.2	0.89
65	1.64	2	4	5.9	9.7	x	—	1067	—	16.82	707	—	11.83	12.6	0.81	17.7	0.85	23.2	0.89
														5VX500		5VX600		5VX710	
66	1.64	2	6	6.2	10.2	x	—	1067	—	18.16	707	—	12.76	12.0	0.81	17.0	0.85	22.5	0.89
67	1.64	2	4	7.1	11.7	x	—	1067	17.75	22.10	707	12.87	15.55	—	—	15.1	0.84	20.6	0.88
68	1.65	1	4	4.3	7.1	x	—	1060	—	9.49	703	—	6.73	16.0	0.83	21.0	0.87	26.5	0.90
69	1.65	1	4	4.9	8.1	x	—	1060	—	12.28	703	—	8.66	14.7	0.82	19.7	0.86	25.2	0.89
70	1.65	1	4	5.5	9.1	x	—	1060	—	15.02	703	—	10.57	13.4	0.82	18.5	0.86	24.0	0.89
														5VX500		5VX600		5VX710	
71	1.65	1	4	6.7	11.1	x	—	1060	—	20.36	703	—	14.32	10.8	0.80	15.9	0.84	21.4	0.88
72	1.65	2	4	7.5	12.4	x	—	1060	19.36	23.82	703	14.05	16.77	—	—	14.2	0.83	19.7	0.87
73	1.65	2	10	7.9	13.1	x	—	1060	20.95	25.52	703	15.23	17.98	—	—	13.3	0.83	18.8	0.87
74	1.65	2	10	8.4	13.9	x	x	1060	22.89	27.61	703	16.68	19.49	—	—	12.2	0.82	17.8	0.87
75	1.65	2	4	9.7	16.1	x	—	1060	27.69	32.90	703	20.36	23.34	—	—	—	—	14.9	0.85

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc–Length Factor (F) using Browning Belts																				Line No.
Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No				
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F			
5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		5V2240		5V2500				
—	—	23.2	0.92	29.8	0.95	37.4	0.98	47.4	1.01	57.5	1.04	67.5	1.06	79.5	1.08	92.5	1.10	1		
40.3	0.96	46.3	0.98	52.8	1.00	60.3	1.02	70.3	1.04	80.3	1.06	90.3	1.08	102.3	1.10	115.3	1.11	2		
38.5	0.96	44.5	0.98	51.0	0.99	58.5	1.01	68.5	1.04	78.5	1.06	88.5	1.07	100.5	1.09	113.5	1.11	3		
38.3	0.95	44.3	0.97	50.8	0.99	58.3	1.01	68.3	1.04	78.3	1.06	88.3	1.07	100.3	1.09	113.3	1.11	4		
37.5	0.95	43.5	0.97	50.0	0.99	57.5	1.01	67.5	1.04	77.5	1.06	87.5	1.07	99.5	1.09	112.5	1.11	5		
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000				
26.8	0.91	31.8	0.93	36.8	0.95	42.9	0.97	49.4	0.99	56.9	1.01	66.9	1.04	76.9	1.06	86.9	1.07	6		
26.0	0.91	31.0	0.93	36.1	0.95	42.1	0.97	48.6	0.99	56.1	1.01	66.1	1.03	76.1	1.06	86.1	1.07	7		
25.6	0.91	30.6	0.93	35.7	0.95	41.7	0.97	48.2	0.99	55.7	1.01	65.7	1.03	75.7	1.05	85.7	1.07	8		
24.8	0.91	29.9	0.93	34.9	0.95	40.9	0.97	47.4	0.99	54.9	1.01	64.9	1.03	74.9	1.05	84.9	1.07	9		
24.0	0.90	29.0	0.93	34.0	0.95	40.0	0.97	46.5	0.99	54.0	1.01	64.0	1.03	74.0	1.05	84.0	1.07	10		
5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		5V2240		5V2500		5V2800		5V3150				
44.5	0.99	52.0	1.01	62.1	1.03	72.1	1.05	82.1	1.07	94.1	1.09	107.1	1.11	122.1	1.13	139.6	1.15	11		
43.3	0.98	50.8	1.01	60.8	1.03	70.8	1.05	80.8	1.07	92.8	1.09	105.8	1.11	120.8	1.13	138.3	1.15	12		
30.1	0.96	37.7	0.98	47.8	1.01	57.8	1.04	67.8	1.06	79.8	1.08	92.9	1.10	107.9	1.12	125.4	1.14	13		
—	—	29.0	0.96	39.2	1.00	49.2	1.02	59.3	1.05	71.3	1.07	84.4	1.09	99.4	1.11	116.9	1.14	14		
53.4	1.00	60.9	1.02	70.9	1.04	80.9	1.06	90.9	1.08	102.9	1.10	115.9	1.11	130.9	1.13	148.4	1.15	15		
5VX950		5VX1060		5VX1180		5VX1320		5VX1500		5VX1700		5VX1900		5V2120		5V2360				
38.0	0.95	43.5	0.97	49.5	0.99	56.5	1.01	65.5	1.03	75.5	1.05	85.5	1.07	96.5	1.09	108.5	1.10	16		
33.1	0.94	38.6	0.96	44.6	0.98	51.6	1.00	60.6	1.02	70.6	1.04	80.6	1.06	91.6	1.08	103.6	1.10	17		
29.8	0.93	35.3	0.95	41.3	0.98	48.4	1.00	57.4	1.02	67.4	1.04	77.4	1.06	88.4	1.08	100.4	1.10	18		
26.7	0.92	32.2	0.95	38.2	0.97	45.3	0.99	54.3	1.02	64.3	1.04	74.3	1.06	85.3	1.08	97.3	1.10	19		
—	—	22.4	0.92	28.5	0.95	35.6	0.97	44.6	1.00	54.7	1.03	64.7	1.05	75.7	1.07	87.8	1.09	20		
5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		5V2240		5V2500				
—	—	23.4	0.92	30.0	0.95	37.5	0.98	47.6	1.01	57.6	1.04	67.7	1.06	79.7	1.08	92.7	1.10	21		
39.6	0.96	45.6	0.98	52.1	1.00	59.6	1.01	69.6	1.04	79.6	1.06	89.6	1.08	101.6	1.09	114.6	1.11	22		
39.2	0.96	45.2	0.98	51.7	0.99	59.2	1.01	69.2	1.04	79.2	1.06	89.2	1.08	101.2	1.09	114.2	1.11	23		
38.8	0.96	44.8	0.98	51.3	0.99	58.8	1.01	68.8	1.04	78.8	1.06	88.8	1.07	100.8	1.09	113.8	1.11	24		
38.2	0.95	44.2	0.97	50.7	0.99	58.2	1.01	68.2	1.04	78.2	1.06	88.2	1.07	100.2	1.09	113.2	1.11	25		
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000				
25.7	0.91	30.7	0.93	35.7	0.95	41.7	0.97	48.2	0.99	55.8	1.01	65.8	1.03	75.8	1.05	85.8	1.07	26		
24.9	0.91	29.9	0.93	34.9	0.95	41.0	0.97	47.5	0.99	55.0	1.01	65.0	1.03	75.0	1.05	85.0	1.07	27		
23.9	0.90	28.9	0.93	33.9	0.95	39.9	0.97	46.4	0.99	53.9	1.01	63.9	1.03	74.0	1.05	84.0	1.07	28		
15.9	0.87	21.0	0.90	26.1	0.93	32.1	0.95	38.6	0.98	46.2	1.00	56.2	1.02	66.2	1.05	76.2	1.07	29		
15.8	0.86	20.9	0.90	26.0	0.93	32.0	0.95	38.6	0.97	46.1	1.00	56.1	1.02	66.1	1.05	76.1	1.07	30		
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000				
30.4	0.92	35.4	0.94	40.4	0.96	46.4	0.98	52.9	1.00	60.4	1.02	70.4	1.04	80.4	1.06	90.4	1.08	31		
28.3	0.91	33.3	0.94	38.3	0.95	44.3	0.97	50.9	0.99	58.4	1.01	68.4	1.04	78.4	1.06	88.4	1.07	32		
27.5	0.91	32.5	0.93	37.6	0.95	43.6	0.97	50.1	0.99	57.6	1.01	67.6	1.04	77.6	1.06	87.6	1.07	33		
22.1	0.90	27.1	0.92	32.2	0.94	38.2	0.96	44.7	0.99	52.2	1.01	62.2	1.03	72.2	1.05	82.2	1.07	34		
20.0	0.89	25.1	0.91	30.1	0.94	36.1	0.96	42.6	0.98	50.1	1.00	60.1	1.03	70.2	1.05	80.2	1.07	35		
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000				
31.2	0.92	36.2	0.94	41.2	0.96	47.2	0.98	53.7	1.00	61.2	1.02	71.2	1.04	81.2	1.06	91.2	1.06	36		
25.8	0.91	30.8	0.93	35.8	0.95	41.8	0.97	48.3	0.99	55.8	1.01	65.8	1.03	75.8	1.05	85.8	1.07	37		
25.6	0.91	30.6	0.93	35.7	0.95	41.7	0.97	48.2	0.99	55.7	1.01	65.7	1.03	75.7	1.05	85.7	1.07	38		
—	—	19.0	0.89	24.1	0.92	30.2	0.95	36.7	0.97	44.2	0.99	54.3	1.02	64.3	1.04	74.3	1.06	39		
29.9	0.92	34.9	0.94	39.9	0.96	45.9	0.98	52.4	1.00	59.9	1.01	69.9	1.04	79.9	1.06	89.9	1.08	40		
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000				
28.9	0.91	33.9	0.94	38.9	0.95	44.9	0.97	51.4	0.99	58.9	1.01	68.9	1.04	78.9	1.06	88.9	1.07	41		
28.6	0.91	33.7	0.94	38.7	0.95	44.7	0.97	51.2	0.99	58.7	1.01	68.7	1.04	78.7	1.06	88.7	1.07	42		
28.2	0.91	33.3	0.93	38.3	0.95	44.3	0.97	50.8	0.99	58.3	1.01	68.3	1.04	78.3	1.06	88.3	1.07	43		
27.9	0.91	32.9	0.93	37.9	0.95	43.9	0.97	50.4	0.99	57.9	1.01	67.9	1.04	77.9	1.06	87.9	1.07	44		
27.0	0.91	32.0	0.93	37.0	0.95	43.0	0.97	49.5	0.99	57.0	1.01	67.0	1.03	77.0	1.06	87.0	1.07	45		
5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000		5V2240		5V2500				
36.2	0.95	42.2	0.97	48.7	0.99	56.2	1.01	66.2	1.03	76.2	1.05	86.2	1.07	98.2	1.09	111.2	1.11	46		
33.3	0.94	39.3	0.97	45.8	0.99	53.3	1.01	63.3	1.03	73.3	1.05	83.3	1.07	95.3	1.09	108.3	1.11	47		
31.0	0.94	37.0	0.96	43.5	0.98	51.0	1.00	61.0	1.03	71.0	1.05	81.0	1.07	93.0	1.09	106.0	1.11	48		
22.8	0.91	28.9	0.94	35.4	0.97	43.0	0.99	53.0	1.02	63.0	1.04	73.0	1.06	85.1	1.08	98.1	1.10	49		
—	—	23.6	0.92	30.2	0.95	37.8	0.98	47.9	1.01	57.9	1.03	68.0	1.06	80.0	1.08	93.0	1.10	50		
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000				
31.1	0.92	36.1	0.94	41.1	0.96	47.1	0.98	53.6	1.00	61.1	1.02	71.1	1.04	81.1	1.06	91.1	1.08	51		
25.7	0.91	30.7	0.93	35.7	0.95	41.7	0.97	48.2	0.99	55.8	1.01	65.8	1.03	75.8	1.05	85.8	1.07	52		
—	—	19.1	0.89	24.2	0.92	30.2	0.95	36.8	0.97	44.3	0.99	54.4	1.02	64.4	1.04	74.4	1.06	53		
27.9	0.91	32.9	0.93	37.9	0.95	44.0	0.97	50.5	0.99	58.0	1.01	68.0	1.04	78.0	1.06	88.0	1.07	54		
26.3	0.91	31.3	0.93	36.3	0.95	42.3	0.97	48.8	0.99	56.3	1.01	66.3	1.03	76.3	1.05	86.3	1.07	55		
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000				
22.5	0.90	27.5	0.92	32.5	0.94	38.6	0.96	45.1	0.99	52.6	1.01	62.6	1.03	72.6	1.05	82.6	1.07	56		
21.0	0.89	26.0	0.92	31.0	0.94	37.0	0.96	43.6	0.98	51.1	1.00	61.1	1.03	71.1	1.05	81.1	1.07	57		
20.2	0.89	25.2	0.91	30.2	0.94	36.3	0.96	42.8	0.98	50.3	1.00	60.3	1.03	70.3	1.05	80.3	1.07	58		
19.7	0.88	24.7	0.91	29.7	0.93	35.8	0.96	42.3	0.98	49.8	1.00	59.8	1.03	69.8	1.05	79.8	1.07	59		
30.6	0.92	35.6	0.94	40.6	0.96	46.6	0.98	53.1	1.00	60.6	1.02	70.6	1.04	80.6	1.06	90.6	1.08	60		
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000				
30.0	0.92	35.0	0.94	40.0	0.96	46.0	0.98	52.5	0.99	60.0	1.01	70.0	1.04	80.0	1.06	90.0	1.08	61		
29.4	0.91	34.4	0.94	39.4	0.95	45.4	0.97	51.9	0.99	59.4	1.01	69.4	1.04	79.4	1.06	89.4	1.07	62		
29.0	0.91	34.0	0.94	39.0	0.95	45.0	0.97	51.5	0.99	59.0	1.01	69.0	1.04	79.0	1.06	89.0	1.07	63		
28.7	0.91	33.7	0.93	38.7	0.95	44.7	0.97	51.2	0.99	58.7	1.01	68.8	1.04	78.8	1.06	88.8	1.07	64		
27.7	0.91	32.7	0.93	37.7	0.95	43.7	0.97	50.2	0.99	57.7	1.01	67.7	1.04	77.7	1.06	87.7	1.07	65		
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000				
27.1	0.91	32.1	0.93	37.1	0.95	43.1	0.97	49.6	0.99	57.1	1.01	67.1	1.03	77.1	1.06	87.1	1.07	66		
25.1	0.90	30.2	0.93	35.2	0.95	41.2	0.97	47.7	0.99	55.2	1.01	65.2	1.03	75.2	1.05	85.2	1.07	67		
31.0	0.92	36.0	0.94	41.0	0.96	47.0	0.98	53.5	1.00	61.0	1.02	71.0	1.04	81.0	1.06	91.0	1.08	68		
29.8	0.92	34.8	0.94	39.8	0.96	45.8	0.98	52.3	0.99	59.8	1.01	69.8	1.04	79.8	1.06	89.8	1.07	69		
28.5	0.91	33.5	0.93	38.5	0.95	44.5	0.97	51.0	0.99	58.5	1.01	68.5	1.04	78.5	1.06	88.5	1.07	70		
5VX800		5VX900		5VX1000		5VX1120		5VX1250		5VX1400		5VX1600		5VX1800		5VX2000				
25.9	0.91	30.9	0.93	36.0	0.95	42.0	0.97	48.5	0.99	56.0	1.01	66.0	1.03	76.0	1.05	86.0	1.07	71		
24.3	0.90	29.3	0.92	34.3	0.95	40.3	0.97	46.8	0.99	54.3	1.01	64.3	1.03	74.3	1.05	84.3	1.07	72		
23.4	0.90	28.4	0.92	33.4	0.94	39.4	0.97	45.9	0.99	53.5	1.01	63.5	1.03	73.5	1.05	83.5	1.07	73		
22.3	0.89	27.4	0.92	32.4	0.94	38.4	0.96	44.9	0.98	52.4	1.01	62.4	1.03	72.4	1.05	82.4	1.07	74		
19.5	0.88	24.5	0.91	29.6	0.93	35.6	0.96	42.1	0.98	49.6	1.00	59.7	1.03	69.7	1.05	79.7	1.07	75		

B

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves		Pitch Diameter		Type		Nominal Driven Speeds and Horsepower per Belt						Center Distance in Inches and "F" Factor for Browning Belts					
								1750 RPM Driver			1160RPM Driver			Belt No.		Belt No.		Belt No.	
		Min	Max	Driver	Driven	Fix.	Var.	Nominal Driven Speed	HP per Belt Super	HP per Belt Gripnotch	Nominal Driven Speed	HP per Belt Super	HP per Belt Gripnotch	C.D.	F	C.D.	F	C.D.	F
														5VX500		5VX600		5VX710	
1	1.65	2	4	11.2	18.5	x	—	1060	32.77	38.68	703	24.45	27.66	—	—	—	—	—	—
2	1.66	1	4	4.5	7.5	x	—	1054	—	10.42	698	—	7.38	15.5	0.83	20.5	0.86	26.0	0.90
3	1.66	1	4	5.7	9.5	x	—	1054	—	15.92	698	—	11.20	12.9	0.81	18.0	0.85	23.5	0.89
4	1.66	2	4	6.5	10.8	x	—	1054	—	19.48	698	—	13.70	11.2	0.80	16.3	0.85	21.8	0.88
5	1.66	1	4	7.5	12.5	x	—	1054	19.36	23.82	698	14.05	16.77	—	—	14.1	0.83	19.6	0.97
														5VX500		5VX600		5VX710	
6	1.66	1	4	11.1	18.5	x	—	1054	32.45	38.30	698	24.18	27.38	—	—	—	—	—	—
7	1.66	2	10	11.2	18.6	x	—	1054	32.77	38.68	698	24.45	27.66	—	—	—	—	—	—
8	1.67	2	4	5.3	8.9	x	—	1047	—	14.11	694	—	9.93	13.7	0.82	18.8	0.86	24.3	0.89
9	1.67	2	4	5.5	9.2	x	—	1047	—	15.02	694	—	10.57	13.3	0.82	18.4	0.86	23.9	0.89
10	1.67	2	6	5.8	9.7	x	—	1047	—	16.37	694	—	11.51	12.7	0.81	17.7	0.85	23.3	0.89
														5VX500		5VX600		5VX710	
11	1.67	2	4	6.1	10.2	x	—	1047	—	17.71	694	—	12.45	12.0	0.81	17.1	0.85	22.6	0.89
12	1.67	2	4	6.7	11.2	x	—	1047	—	20.36	694	—	14.32	10.7	0.80	15.8	0.84	21.3	0.88
13	1.67	2	8	7.0	11.7	x	x	1047	17.34	21.67	694	12.57	15.24	10.0	0.79	15.1	0.84	20.7	0.88
14	1.67	2	8	7.4	12.4	x	x	1047	18.96	23.39	694	13.76	16.46	—	—	14.2	0.83	19.8	0.87
15	1.67	2	10	8.9	14.9	x	—	1047	24.78	29.67	694	18.11	20.98	—	—	—	—	16.5	0.86
														5VX530		5VX710		5VX850	
16	1.67	2	4	9.5	15.9	x	x	1047	26.98	32.10	694	19.80	22.75	—	—	15.2	0.85	22.3	0.90
17	1.67	2	4	11.1	18.6	x	—	1047	32.45	38.30	694	24.18	27.38	—	—	—	—	18.8	0.88
18	1.67	5	10	14.9	24.9	x	—	—	—	—	694	33.70	37.76	—	—	—	—	—	—
19	1.68	2	4	4.7	7.9	x	—	1041	—	11.35	690	—	8.02	16.5	0.84	25.6	0.89	32.6	0.93
20	1.68	2	4	4.8	8.1	x	—	1041	—	11.81	690	—	8.34	16.3	0.84	25.3	0.89	32.3	0.93
														5VX500		5VX600		5VX710	
21	1.68	2	4	5.4	9.1	x	—	1041	—	14.56	690	—	10.25	13.5	0.82	18.5	0.86	24.0	0.89
22	1.68	2	4	6.6	11.1	x	—	1041	—	19.92	690	—	14.01	10.9	0.80	15.9	0.84	21.5	0.88
23	1.68	2	4	7.4	12.5	x	x	1041	18.96	23.39	690	13.76	16.46	—	—	14.1	0.83	19.7	0.87
24	1.68	2	4	9.2	15.5	x	—	1041	25.89	30.89	690	18.96	21.87	—	—	—	—	15.8	0.85
25	1.68	2	4	12.5	21.1	x	x	1041	36.73	43.40	690	27.84	31.31	—	—	—	—	—	—
														5VX530		5VX710		5VX850	
26	1.68	2	4	14.9	25.1	x	—	—	—	—	690	33.70	37.76	—	—	—	—	—	—
27	1.69	2	6	6.6	11.2	x	—	1035	—	19.92	686	—	14.01	12.3	0.81	21.4	0.88	28.4	0.92
28	1.69	2	4	6.9	11.7	x	—	1035	—	21.23	686	—	14.93	11.7	0.81	20.8	0.88	27.8	0.91
29	1.69	1	4	8.1	13.7	x	—	1035	21.73	26.36	686	15.81	18.59	—	—	18.2	0.87	25.2	0.91
30	1.69	1	4	9.5	16.1	x	x	1035	26.98	32.10	686	19.80	22.75	—	—	15.0	0.85	22.2	0.90
														5VX600		5VX800		5VX1000	
31	1.69	2	10	13.9	23.5	x	—	1035	40.49	48.15	686	31.32	35.11	—	—	—	—	20.1	0.89
32	1.69	3	4	18.5	31.4	x	—	—	—	—	686	41.43	46.72	—	—	—	—	—	—
33	1.70	1	4	5.1	8.7	x	—	1029	—	13.19	682	—	9.30	19.1	0.86	29.1	0.91	39.1	0.95
34	1.70	2	6	5.4	9.2	x	—	1029	—	14.56	682	—	10.25	18.4	0.85	28.5	0.91	38.5	0.95
35	1.70	2	4	5.7	9.7	x	—	1029	—	15.92	682	—	11.20	17.8	0.85	27.8	0.91	37.9	0.95
														5VX500		5VX600		5VX710	
36	1.70	1	4	6.5	11.1	x	—	1029	—	19.48	682	—	13.70	10.9	0.80	16.0	0.84	21.6	0.88
37	1.70	1	4	9.1	15.5	x	—	1029	25.52	30.49	682	18.68	21.57	—	—	—	—	15.9	0.85
38	1.70	2	10	12.4	21.1	x	—	1029	36.44	43.04	682	27.58	31.03	—	—	—	—	—	—
39	1.71	2	4	4.9	8.4	x	—	1023	—	12.28	678	—	8.66	14.5	0.82	19.5	0.86	25.0	0.89
40	1.71	1	4	5.3	9.1	x	—	1023	—	14.11	678	—	9.93	13.6	0.82	18.6	0.86	24.1	0.89
														5VX500		5VX600		5VX710	
41	1.71	2	4	6.3	10.8	x	—	1023	—	18.60	678	—	13.08	11.4	0.80	16.4	0.84	22.0	0.88
42	1.71	2	4	8.1	13.9	x	—	1023	21.73	26.36	678	15.81	18.59	—	—	12.4	0.82	18.0	0.86
43	1.71	2	4	8.7	14.9	x	—	1023	24.03	28.85	678	17.54	20.39	—	—	—	—	16.7	0.86
44	1.71	2	4	10.8	18.5	x	—	1023	31.47	37.17	678	23.37	26.52	—	—	—	—	—	—
45	1.71	2	4	11.7	20.1	x	—	1023	34.34	40.53	678	25.77	29.08	—	—	—	—	—	—
														5VX530		5VX670		5VX800	
46	1.71	1	4	13.7	23.5	x	—	1023	39.99	47.49	678	30.84	34.58	—	—	—	—	—	—
47	1.72	2	6	4.3	7.4	x	—	1017	—	9.49	674	—	6.73	17.2	0.84	24.3	0.88	30.8	0.92
48	1.72	1	4	4.7	8.1	x	—	1017	—	11.35	874	—	8.02	16.4	0.84	23.4	0.88	29.9	0.91
49	1.72	1	4	5.5	9.5	x	—	1017	—	15.02	674	—	10.57	14.6	0.83	21.6	0.88	28.2	0.91
50	1.72	2	4	5.9	10.2	x	—	1017	—	16.82	674	—	11.83	13.7	0.82	20.8	0.87	27.3	0.91
														5VX500		5VX600		5VX710	
51	1.72	2	4	6.5	11.2	x	—	1017	—	19.48	674	—	13.70	10.9	0.79	15.9	0.84	21.5	0.88
52	1.72	2	10	9.2	15.9	x	—	1017	25.89	30.89	674	18.96	21.87	—	—	—	—	15.4	0.85
53	1.72	2	10	10.8	18.6	x	—	1017	31.47	37.17	674	23.37	26.52	—	—	—	—	—	—
54	1.73	2	4	5.3	9.2	x	—	1011	—	14.11	670	—	9.93	13.5	0.81	18.5	0.85	24.0	0.89
55	1.73	2	4	7.9	13.7	x	—	1011	20.95	25.52	670	15.23	17.98	—	—	12.7	0.82	18.3	0.86
														5VX600		5VX800		5VX1000	
56	1.73	1	4	16.1	27.9	x	—	—	—	—	670	36.43	40.85	—	—	—	—	—	—
57	1.74	1	4	4.3	7.5	x	—	1005	—	9.49	666	—	6.73	20.7	0.86	30.7	0.92	40.7	0.96
58	1.74	2	6	5.1	8.9	x	—	1005	—	13.19	666	—	9.30	18.9	0.86	28.9	0.91	39.0	0.95
59	1.74	2	6	6.2	10.8	x	—	1005	—	18.16	666	—	12.76	16.5	0.84	26.6	0.91	36.6	0.95
60	1.74	2	4	6.7	11.7	x	—	1005	—	20.36	666	—	14.32	15.4	0.84	25.4	0.90	35.5	0.95
														5VX500		5VX600		5VX710	
61	1.74	2	4	7.1	12.4	x	—	1005	17.75	22.10	666	12.87	15.55	—	—	14.4	0.83	20.0	0.87
62	1.74	2	4	7.5	13.1	x	—	1005	19.36	23.82	666	14.05	16.77	—	—	13.5	0.82	19.1	0.87
63	1.74	2	4	8.9	15.5	x	—	1005	24.78	29.67	666	18.11	20.98	—	—	—	—	16.0	0.85
64	1.74	2	4	9.1	15.9	x	—	1005	25.52	30.49	666	18.68	21.57	—	—	—	—	15.5	0.85
65	1.75	2	6	4.5	7.9	x	—	1000	—	10.42	662	—	7.38	15.2	0.82	20.2	0.86	25.7	0.89
														5VX500		5VX600		5VX710	
66	1.75	2	6	4.8	8.4	x	—	1000	—	11.81	662	—	8.34	14.5	0.82	19.6	0.86	25.1	0.89
67	1.75	2	4	5.4	9.5	x	—	1000	—	14.56	662	—	10.25	13.1	0.81	18.2	0.85	23.7	0.89
68	1.75	2	6	5.8	10.2	x	—	1000	—	16.37	662	—	11.51	12.2	0.80	17.3	0.85	22.8	0.88
69	1.75	2	10	7.9	13.9	x	—	1000	20.95	25.52	662	15.23	17.98	—	—	12.5	0.81	18.1	0.86
70	1.75	2	4	9.2	16.1	x	—	1000	25.89	30.89	662	18.96	21.87	—	—	—	—	15.2	0.84
														5VX600		5VX800		5VX1000	
71	1.75	2	10	15.9	27.9	x	—	—	—	—	662	35.98	40.34	—	—	—	—	—	—
72	1.76	2	4	5.5	9.7	x	—	994	—	15.02	659	—	10.57	17.9	0.85	28.0	0.91	38.0	0.95
73	1.76	1	4	6.3	11.1	x	—	994	—	18.60	659	—	13.08	16.2	0.84	26.2	0.90	36.3	0.95
74	1.76	1	4	7.1	12.5	x	—	994	17.75	22.10	659	12.87	15.55	14.4	0.83	24.5	0.90	34.5	0.94
75	1.76	1	4	9.1	16.1	x	—	994	25.52	30.49	659	18.68	21.57	—	—	19.9	0.88	30.0	0.93

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc–Length Factor (F) using Browning Belts

Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
16.3	0.86	21.4	0.90	26.4	0.92	32.5	0.95	39.0	0.97	46.5	1.00	56.6	1.02	66.6	1.04	76.6	1.06	1
30.5	0.92	35.5	0.94	40.6	0.96	46.6	0.98	53.1	1.00	60.6	1.01	70.6	1.04	80.6	1.06	90.6	1.08	2
28.0	0.91	33.0	0.93	38.0	0.95	44.0	0.97	50.5	0.99	58.0	1.01	68.0	1.04	78.0	1.06	88.0	1.07	3
26.3	0.91	31.3	0.93	36.4	0.95	42.4	0.97	48.9	0.99	56.4	1.01	66.4	1.03	76.4	1.05	86.4	1.07	4
24.2	0.90	29.2	0.92	34.2	0.94	40.2	0.97	46.7	0.99	54.2	1.01	64.3	1.03	74.3	1.05	84.3	1.07	5
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
16.3	0.86	21.4	0.90	26.5	0.92	32.6	0.95	39.1	0.97	46.6	1.00	56.6	1.02	66.7	1.04	76.7	1.06	6
16.2	0.86	21.3	0.90	26.3	0.92	32.4	0.95	38.9	0.97	46.5	1.00	56.5	1.02	66.5	1.04	76.5	1.06	7
28.8	0.91	33.8	0.93	38.8	0.95	44.8	0.97	51.3	0.99	58.8	1.01	68.8	1.04	78.8	1.06	88.8	1.07	8
28.4	0.91	33.4	0.93	38.4	0.95	44.4	0.97	50.9	0.99	58.4	1.01	68.4	1.04	78.4	1.06	88.4	1.07	9
27.8	0.91	32.8	0.93	37.8	0.95	43.8	0.97	50.3	0.99	57.8	1.01	67.8	1.04	77.8	1.06	87.8	1.07	10
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
27.1	0.91	32.1	0.93	37.1	0.95	43.2	0.97	49.7	0.99	57.2	1.01	67.2	1.03	77.2	1.05	87.2	1.07	11
25.9	0.91	30.9	0.93	35.9	0.95	41.9	0.97	48.4	0.99	55.9	1.01	65.9	1.03	75.9	1.05	85.9	1.07	12
25.2	0.90	30.2	0.93	35.2	0.95	41.3	0.97	47.8	0.99	55.3	1.01	65.3	1.03	75.3	1.05	85.3	1.07	13
24.3	0.90	29.4	0.92	34.4	0.95	40.4	0.97	46.9	0.99	54.4	1.01	64.4	1.03	74.4	1.05	84.4	1.07	14
21.1	0.89	26.1	0.92	31.2	0.94	37.2	0.96	43.7	0.98	51.2	1.00	61.2	1.03	71.3	1.05	81.3	1.07	15
5VX950		**5VX1060**		**5VX1180**		**5VX1320**		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		**5V2360**		
27.4	0.92	32.9	0.95	38.9	0.97	45.9	0.99	55.0	1.01	65.0	1.04	75.0	1.06	86.0	1.08	98.0	1.10	16
23.9	0.91	29.4	0.94	35.5	0.96	42.5	0.98	51.5	1.01	61.6	1.03	71.6	1.05	82.6	1.07	94.6	1.09	17
—	—	21.2	0.90	27.3	0.93	34.4	0.96	43.5	1.00	53.5	1.02	63.6	1.05	74.6	1.07	86.6	1.09	18
37.6	0.95	43.1	0.97	49.1	0.98	56.1	1.00	65.1	1.03	75.1	1.05	85.1	1.07	96.1	1.08	108.1	1.10	19
37.3	0.95	42.8	0.97	48.8	0.98	55.8	1.00	64.9	1.03	74.9	1.05	84.9	1.07	95.9	1.08	107.9	1.10	20
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
28.6	0.91	33.6	0.93	38.6	0.95	44.6	0.97	51.1	0.99	58.6	1.01	68.6	1.04	78.6	1.06	88.6	1.07	21
26.0	0.91	31.0	0.93	36.0	0.95	42.0	0.97	48.6	0.99	56.1	1.01	66.1	1.03	76.1	1.05	86.1	1.07	22
24.2	0.90	29.3	0.92	34.3	0.94	40.3	0.97	46.8	0.99	54.3	1.01	64.3	1.03	74.3	1.05	84.3	1.07	23
20.4	0.88	25.4	0.91	30.4	0.94	36.5	0.96	43.0	0.98	50.5	1.00	60.5	1.03	70.5	1.05	80.5	1.07	24
—	—	18.1	0.88	23.2	0.91	29.3	0.94	35.9	0.96	43.4	0.99	53.5	1.02	63.5	1.04	73.5	1.06	25
5VX950		**5VX1060**		**5VX1180**		**5VX1320**		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		**5V2360**		
—	—	21.0	0.90	27.1	0.93	34.2	0.96	43.3	0.99	53.4	1.02	63.4	1.04	74.4	1.07	86.4	1.09	26
33.4	0.94	39.0	0.96	45.0	0.98	52.0	1.00	61.0	1.02	71.0	1.04	81.0	1.06	92.0	1.08	104.0	1.10	27
32.8	0.94	38.3	0.96	44.3	0.98	51.3	1.00	60.4	1.02	70.4	1.04	80.4	1.06	91.4	1.08	103.4	1.10	28
30.3	0.93	35.8	0.95	41.8	0.97	48.8	0.99	57.8	1.02	67.8	1.04	77.8	1.06	88.8	1.08	100.8	1.10	29
27.2	0.92	32.7	0.95	38.8	0.97	45.8	0.99	54.8	1.01	64.8	1.04	74.8	1.06	85.8	1.08	97.8	1.10	30
5VX1250		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		**5V2500**		**5V2800**		**5V3150**		
32.8	0.96	40.4	0.98	50.4	1.01	60.5	1.04	70.5	1.06	82.5	1.08	95.5	1.10	110.5	1.12	128.1	1.14	31
—	—	30.1	0.95	40.3	0.99	50.4	1.02	60.5	1.04	72.5	1.07	85.6	1.09	100.6	1.11	118.2	1.13	32
51.6	0.99	59.1	1.01	69.1	1.04	79.1	1.06	89.1	1.07	101.2	1.09	114.2	1.11	129.2	1.13	146.7	1.15	33
51.0	0.99	58.5	1.01	68.5	1.04	78.5	1.06	88.5	1.07	100.5	1.09	113.5	1.11	128.5	1.13	146.0	1.15	34
50.4	0.99	57.9	1.01	67.9	1.03	77.9	1.06	87.9	1.07	99.9	1.09	112.9	1.11	127.9	1.13	145.4	1.15	35
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
26.1	0.90	31.1	0.93	36.1	0.95	42.1	0.97	48.6	0.99	56.1	1.01	66.1	1.03	76.1	1.05	86.2	1.07	36
20.4	0.88	25.5	0.91	30.5	0.93	36.5	0.96	43.1	0.98	50.6	1.00	60.6	1.03	70.6	1.05	80.6	1.07	37
—	—	18.2	0.88	23.3	0.91	29.4	0.94	35.9	0.96	43.5	0.99	53.5	1.02	63.6	1.04	73.6	1.06	38
29.5	0.91	34.5	0.94	39.5	0.95	45.5	0.97	52.0	0.99	59.5	1.01	69.5	1.04	79.5	1.06	89.5	1.07	39
28.6	0.91	33.6	0.93	38.6	0.95	44.7	0.97	51.2	0.99	58.7	1.01	68.7	1.04	78.7	1.06	88.7	1.07	40
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
26.5	0.91	31.5	0.93	36.5	0.95	42.5	0.97	49.0	0.99	56.5	1.01	66.5	1.03	76.5	1.05	86.5	1.07	41
22.5	0.89	27.6	0.92	32.6	0.94	38.6	0.96	45.1	0.98	52.7	1.00	62.7	1.03	72.7	1.05	82.7	1.07	42
21.2	0.89	26.3	0.91	31.3	0.94	37.3	0.96	43.9	0.98	51.4	1.00	61.4	1.03	71.4	1.05	81.4	1.07	43
16.6	0.86	21.7	0.90	26.7	0.92	32.8	0.95	39.3	0.97	46.8	1.00	56.9	1.02	66.9	1.04	76.9	1.06	44
—	—	19.6	0.88	24.7	0.91	30.8	0.94	37.3	0.97	44.8	0.99	54.9	1.02	64.9	1.04	74.9	1.06	45
5VX900		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		
—	—	20.2	0.89	26.3	0.93	32.9	0.96	40.5	0.98	50.6	1.01	60.6	1.04	70.6	1.06	82.7	1.08	46
35.8	0.94	40.8	0.96	46.8	0.98	53.3	1.00	60.8	1.01	70.8	1.04	80.8	1.06	90.8	1.08	102.8	1.09	47
34.9	0.94	39.9	0.95	45.9	0.97	52.4	0.99	59.9	1.01	69.9	1.04	79.9	1.06	89.9	1.07	101.9	1.09	48
33.2	0.93	38.2	0.95	44.2	0.97	50.7	0.99	58.2	1.01	68.2	1.03	78.2	1.06	88.2	1.07	100.2	1.09	49
32.3	0.93	37.3	0.95	43.3	0.97	49.8	0.99	57.3	1.01	67.3	1.03	77.3	1.05	87.3	1.07	99.3	1.09	50
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
26.0	0.90	31.0	0.93	36.0	0.95	42.0	0.97	48.5	0.99	56.1	1.01	66.1	1.03	76.1	1.05	86.1	1.07	51
20.0	0.88	25.1	0.91	30.1	0.93	36.1	0.96	42.7	0.98	50.2	1.00	60.2	1.03	70.2	1.05	80.2	1.07	52
16.5	0.86	21.6	0.89	26.6	0.92	32.7	0.95	39.2	0.97	46.8	0.99	56.8	1.02	66.8	1.04	76.8	1.06	53
28.6	0.91	33.6	0.93	38.6	0.95	44.6	0.97	51.1	0.99	58.6	1.01	68.6	1.04	78.6	1.06	88.6	1.07	54
22.9	0.89	27.9	0.92	32.9	0.94	38.9	0.96	45.5	0.98	53.0	1.00	63.0	1.03	73.0	1.05	83.0	1.07	55
5VX1250		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		**5V2500**		**5V2800**		**5V3150**		
27.3	0.93	35.0	0.97	45.1	1.00	55.1	1.03	65.2	1.05	77.2	1.07	90.3	1.09	105.3	1.12	122.8	1.14	56
53.2	0.99	60.7	1.01	70.7	1.04	80.7	1.06	90.7	1.08	102.7	1.09	115.7	1.11	130.7	1.13	148.2	1.15	57
51.5	0.99	59.0	1.01	69.0	1.04	79.0	1.06	89.0	1.07	101.0	1.09	114.0	1.11	129.0	1.13	146.5	1.15	58
49.1	0.99	56.6	1.01	66.6	1.03	76.6	1.05	86.6	1.07	98.6	1.09	111.6	1.11	126.6	1.13	144.1	1.15	59
48.0	0.99	55.5	1.01	65.5	1.03	75.5	1.05	85.5	1.07	97.5	1.09	110.5	1.11	125.5	1.13	143.0	1.15	60
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
24.5	0.90	29.6	0.92	34.6	0.94	40.6	0.97	47.1	0.99	54.6	1.01	64.6	1.03	74.6	1.05	84.7	1.07	61
23.7	0.90	28.7	0.92	33.7	0.94	39.7	0.96	46.2	0.98	53.8	1.01	63.8	1.03	73.8	1.05	83.8	1.07	62
20.6	0.88	25.6	0.91	30.7	0.93	36.7	0.96	43.2	0.98	50.7	1.00	60.8	1.03	70.8	1.05	80.8	1.07	63
20.1	0.88	25.1	0.91	30.2	0.93	36.2	0.96	42.7	0.98	50.3	1.00	60.3	1.03	70.3	1.05	80.3	1.07	64
30.2	0.91	35.2	0.94	40.2	0.95	46.2	0.97	52.7	0.99	60.2	1.01	70.2	1.04	80.2	1.06	90.2	1.07	65
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
29.6	0.91	34.6	0.93	39.6	0.95	45.6	0.97	52.1	0.99	59.6	1.01	69.6	1.04	79.6	1.06	89.6	1.07	66
28.2	0.91	33.2	0.93	38.2	0.95	44.3	0.97	50.8	0.99	58.3	1.01	68.3	1.03	78.3	1.05	88.3	1.07	67
27.4	0.91	32.4	0.93	37.4	0.95	43.4	0.97	49.9	0.99	57.4	1.01	67.4	1.03	77.4	1.05	87.4	1.07	68
22.7	0.89	27.7	0.92	32.7	0.94	38.8	0.96	45.3	0.98	52.8	1.00	62.8	1.03	72.8	1.05	82.8	1.07	69
19.8	0.88	24.9	0.91	29.9	0.93	36.0	0.96	42.5	0.98	50.0	1.00	60.0	1.03	70.1	1.05	80.1	1.07	70
5VX1250		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		**5V2500**		**5V2800**		**5V3150**		
27.5	0.93	35.1	0.97	45.2	1.00	55.3	1.03	65.3	1.05	77.4	1.07	90.4	1.09	105.4	1.11	123.0	1.14	71
50.5	0.99	58.0	1.01	68.0	1.03	78.0	1.05	88.0	1.07	100.0	1.09	113.0	1.11	128.1	1.13	145.6	1.15	72
48.8	0.99	56.3	1.01	66.3	1.03	76.3	1.05	86.3	1.07	98.3	1.09	111.3	1.11	126.3	1.13	143.8	1.15	73
47.0	0.99	54.5	1.01	64.6	1.03	74.6	1.05	84.6	1.07	96.6	1.09	109.6	1.11	124.6	1.13	142.1	1.15	74
42.6	0.98	50.1	1.00	60.1	1.02	70.1	1.05	80.1	1.07	92.2	1.09	105.2	1.11	120.2	1.13	137.7	1.15	75

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For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Pitch Diameter Driver	Pitch Diameter Driven	Type Fix.	Type Var.	Nominal Driven Speeds and Horsepower per Belt — 1750 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	1160 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	Center Distance in Inches and "F" Factor for Browning Belts: Belt No.	C.D.	F	Belt No.	C.D.	F	Belt No.	C.D.	F
														5VX500			5VX600			5VX710		
1	1.77	1	4	4.9	8.7	x	—	988	—	12.28	655	—	8.66	14.2	0.82		19.2	0.86		24.8	0.89	
2	1.77	2	4	6.1	10.8	x	—	988	—	17.71	655	—	12.45	11.5	0.80		16.6	0.84		22.1	0.88	
3	1.77	2	4	6.3	11.2	x	—	988	—	18.60	655	—	13.08	11.0	0.79		16.1	0.84		21.6	0.88	
4	1.77	2	6	6.6	11.7	x	—	988	—	19.92	655	—	14.01	10.3	0.79		15.4	0.84		21.0	0.88	
5	1.77	2	8	7.0	12.4	x	x	988	17.34	21.67	655	12.57	15.24	—	—		14.5	0.83		20.1	0.87	
														5VX600			5VX850			5VX1060		
6	1.77	2	8	7.4	13.1	x	x	988	18.96	23.39	655	13.76	16.46	13.6	0.82		26.3	0.91		36.8	0.95	
7	1.77	2	10	8.4	14.9	x	x	988	22.89	27.61	655	16.68	19.49	—	—		24.0	0.90		34.6	0.95	
8	1.77	3	10	21.1	37.4	x	—	—	—	—	655	46.09	52.60	—	—		—	—		—	—	
9	1.78	2	4	4.7	8.4	x	—	983	—	11.35	651	—	8.02	19.6	0.86		32.2	0.92		42.7	0.96	
10	1.78	1	4	5.1	9.1	x	—	983	—	13.19	651	—	9.30	18.7	0.85		31.3	0.92		41.8	0.96	
														5VX500			5VX600			5VX710		
11	1.78	2	4	5.7	10.2	x	—	983	—	15.92	651	—	11.20	12.3	0.80		17.4	0.85		22.9	0.88	
12	1.78	2	4	7.0	12.5	x	x	983	17.34	21.67	651	12.57	15.24	—	—		14.4	0.83		20.0	0.87	
13	1.78	1	4	8.7	15.5	x	—	983	24.03	28.85	651	17.54	20.39	—	—		—	—		16.1	0.85	
14	1.78	2	10	8.9	15.9	x	—	983	24.78	29.67	651	18.11	20.98	—	—		—	—		15.6	0.84	
15	1.79	1	4	5.3	9.5	x	—	977	—	14.11	648	—	9.93	13.2	0.81		18.3	0.85		23.8	0.89	
														5VX530			5VX670			5VX800		
16	1.79	2	6	5.4	9.7	x	—	977	—	14.56	648	—	10.25	14.5	0.82		21.5	0.87		28.1	0.91	
17	1.79	2	4	6.2	11.1	x	—	977	—	18.16	648	—	12.76	12.7	0.81		19.8	0.87		26.3	0.90	
18	1.79	2	4	6.9	12.4	x	—	977	—	21.23	648	—	14.93	11.0	0.79		18.1	0.86		24.7	0.90	
19	1.79	2	4	11.2	20.1	x	—	977	32.77	38.68	648	24.45	27.66	—	—		—	—		—	—	
20	1.79	2	10	13.1	23.5	x	—	977	38.41	45.48	648	29.35	32.95	—	—		—	—		—	—	
														5VX530			5VX710			5VX850		
21	1.79	5	10	13.9	24.9	x	—	977	40.49	48.15	648	31.32	35.11	—	—		—	—		—	—	
22	1.80	1	4	4.5	8.1	x	—	972	—	10.42	644	—	7.38	16.5	0.83		25.5	0.89		32.6	0.92	
23	1.80	2	6	5.1	9.2	x	—	972	—	13.19	644	—	9.30	15.1	0.83		24.2	0.89		31.2	0.92	
24	1.80	2	6	6.2	11.2	x	—	972	—	18.16	644	—	12.76	12.6	0.81		21.7	0.88		28.7	0.91	
25	1.80	2	4	6.5	11.7	x	—	972	—	19.48	644	—	13.70	11.9	0.80		21.1	0.88		28.1	0.91	
														5VX600			5VX800			5VX1000		
26	1.80	2	4	8.9	16.1	x	—	972	24.78	29.67	644	18.11	20.98	—	—		20.1	0.88		30.2	0.93	
27	1.80	2	10	11.7	21.1	x	—	972	34.34	40.53	644	25.77	29.08	—	—		—	—		23.8	0.90	
28	1.80	2	4	13.9	25.1	x	—	972	40.49	48.15	644	31.32	35.11	—	—		—	—		—	—	
29	1.80	1	4	15.5	27.9	x	—	—	—	—	644	35.08	39.32	—	—		—	—		—	—	
30	1.81	2	4	4.8	8.7	x	—	966	—	11.81	640	—	8.34	19.3	0.86		29.3	0.91		39.4	0.95	
														5VX500			5VX600			5VX710		
31	1.81	2	4	4.9	8.9	x	—	966	—	12.28	640	—	8.66	14.0	0.81		19.1	0.85		24.6	0.89	
32	1.81	1	4	6.1	11.1	x	—	966	—	17.71	640	—	12.45	11.2	0.79		16.3	0.84		21.9	0.88	
33	1.81	1	4	6.9	12.5	x	—	966	—	21.23	640	—	14.93	—	—		14.5	0.83		20.1	0.87	
34	1.81	2	4	10.2	18.5	x	—	966	29.44	34.86	640	21.74	24.79	—	—		—	—		—	—	
35	1.81	1	4	11.1	20.1	x	—	966	32.45	38.30	640	24.18	27.38	—	—		—	—		—	—	
														5VX500			5VX600			5VX710		
36	1.82	1	4	7.5	13.7	x	—	961	19.36	23.82	637	14.05	16.77	—	—		13.0	0.82		18.6	0.86	
37	1.82	2	4	8.7	15.9	x	—	961	24.03	28.85	637	17.54	20.39	—	—		—	—		15.8	0.84	
38	1.82	2	10	10.2	18.6	x	—	961	29.44	34.86	637	21.74	24.79	—	—		—	—		—	—	
39	1.83	2	6	4.3	7.9	x	—	956	—	9.49	633	—	6.73	15.3	0.82		20.3	0.86		25.9	0.89	
40	1.83	2	4	5.3	9.7	x	—	956	—	14.11	633	—	9.93	13.0	0.81		18.1	0.85		23.6	0.88	
														5VX530			5VX710			5VX850		
41	1.83	2	4	5.9	10.8	x	—	956	—	16.82	633	—	11.83	13.2	0.81		22.3	0.88		29.3	0.92	
42	1.83	2	4	6.1	11.2	x	—	956	—	17.71	633	—	12.45	12.7	0.81		21.8	0.88		28.8	0.91	
43	1.83	2	4	8.1	14.9	x	—	956	21.73	26.36	633	15.81	18.59	—	—		17.1	0.85		24.2	0.90	
44	1.83	1	4	13.7	25.1	x	—	956	39.99	47.49	633	30.84	34.58	—	—		—	—		—	—	
45	1.84	2	4	7.1	13.1	x	—	951	17.75	22.10	630	12.87	15.55	—	—		19.4	0.87		26.5	0.91	
														5VX500			5VX600			5VX710		
46	1.84	2	4	8.4	15.5	x	x	951	22.89	27.61	630	16.68	19.49	—	—		—	—		16.4	0.85	
47	1.85	1	4	4.7	8.7	x	—	945	—	11.35	627	—	8.02	14.3	0.82		19.4	0.85		24.9	0.89	
48	1.85	2	6	4.8	8.9	x	—	945	—	11.81	627	—	8.34	14.1	0.81		19.1	0.85		24.7	0.89	
49	1.85	1	4	4.9	9.1	x	—	945	—	12.28	627	—	8.66	13.9	0.81		18.9	0.85		24.4	0.89	
50	1.85	2	4	5.5	10.2	x	—	945	—	15.02	627	—	10.57	12.5	0.80		17.5	0.85		23.1	0.88	
														5VX500			5VX600			5VX710		
51	1.85	2	4	6.3	11.7	x	—	945	—	18.60	627	—	13.08	10.5	0.78		15.6	0.83		21.2	0.87	
52	1.85	2	4	6.7	12.4	x	—	945	—	20.36	627	—	14.32	—	—		14.7	0.83		20.3	0.87	
53	1.85	2	4	7.4	13.7	x	x	945	18.96	23.39	627	13.76	16.46	—	—		13.1	0.81		18.7	0.86	
54	1.85	2	4	7.5	13.9	x	—	945	19.36	23.82	627	14.05	16.77	—	—		12.8	0.81		18.4	0.86	
55	1.85	1	4	8.7	16.1	x	—	945	24.03	28.85	627	17.54	20.39	—	—		—	—		15.6	0.84	
														5VX500			5VX600			5VX710		
56	1.86	2	6	4.5	8.4	x	—	940	—	10.42	623	—	7.38	14.7	0.82		19.8	0.86		25.3	0.89	
57	1.86	1	4	5.1	9.5	x	—	940	—	13.19	623	—	9.30	13.4	0.81		18.4	0.85		23.9	0.89	
58	1.86	2	6	5.8	10.8	x	—	940	—	16.37	623	—	11.51	11.7	0.79		16.8	0.84		22.3	0.88	
59	1.86	1	4	6.7	12.5	x	—	940	—	20.36	623	—	14.32	—	—		14.6	0.83		20.2	0.87	
60	1.86	2	4	10.8	20.1	x	—	940	31.47	37.17	623	23.37	26.52	—	—		—	—		—	—	
														5VX600			5VX850			5VX1060		
61	1.86	3	4	20.1	37.4	x	—	—	—	—	623	44.40	50.40	—	—		—	—		—	—	
62	1.87	2	4	4.9	9.2	x	—	935	—	12.28	620	—	8.66	18.8	0.85		31.4	0.92		41.9	0.96	
63	1.87	2	6	6.6	12.4	x	—	935	—	19.92	620	—	14.01	14.8	0.83		27.4	0.91		38.0	0.95	
64	1.87	2	8	7.0	13.1	x	x	935	17.34	21.67	620	12.57	15.24	13.9	0.82		26.5	0.91		37.1	0.95	
65	1.87	2	8	7.4	13.9	x	x	935	18.96	23.39	620	13.76	16.46	12.9	0.81		25.6	0.90		36.1	0.95	
														5VX600			5VX800			5VX1000		
66	1.87	2	10	14.9	27.9	x	—	—	—	—	620	33.70	37.76	—	—		—	—		—	—	
67	1.88	1	4	4.3	8.1	x	—	930	—	9.49	617	—	6.73	20.2	0.86		30.2	0.91		40.2	0.95	
68	1.88	2	6	5.4	10.2	x	—	930	—	14.56	617	—	10.25	17.6	0.85		27.6	0.91		37.7	0.95	
69	1.88	1	4	5.9	11.1	x	—	930	—	16.82	617	—	11.83	16.4	0.84		26.5	0.90		36.6	0.95	
70	1.88	2	6	6.2	11.7	x	—	930	—	18.16	617	—	12.76	15.7	0.83		25.8	0.90		35.8	0.94	
														5VX530			5VX670			5VX800		
71	1.88	2	10	7.9	14.9	x	—	930	20.95	25.52	617	15.23	17.98	—	—		15.2	0.83		21.8	0.88	
72	1.88	2	10	11.2	21.1	x	—	930	32.77	38.68	617	24.45	27.66	—	—		—	—		—	—	
73	1.88	1	4	12.5	23.5	x	x	930	36.73	43.40	617	27.84	31.31	—	—		—	—		—	—	
74	1.89	2	4	4.7	8.9	x	—	925	—	11.35	613	—	8.02	15.7	0.83		22.7	0.88		29.2	0.91	
75	1.89	2	4	4.8	9.1	x	—	925	—	11.81	613	—	8.34	15.4	0.82		22.5	0.87		29.0	0.91	

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts

Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
29.3	0.91	34.3	0.93	39.3	0.95	45.3	0.97	51.8	0.99	59.3	1.01	69.3	1.04	79.3	1.06	89.3	1.07	1
26.6	0.90	31.6	0.93	36.7	0.95	42.7	0.97	49.2	0.99	56.7	1.01	66.7	1.03	76.7	1.05	86.7	1.07	2
26.1	0.90	31.2	0.93	36.2	0.95	42.2	0.97	48.7	0.99	56.2	1.01	66.2	1.03	76.2	1.05	86.2	1.07	3
25.5	0.90	30.5	0.92	35.5	0.95	41.6	0.97	48.1	0.99	55.6	1.01	65.6	1.03	75.6	1.05	85.6	1.07	4
24.6	0.90	29.6	0.92	34.7	0.94	40.7	0.97	47.2	0.99	54.7	1.01	64.7	1.03	74.7	1.05	84.7	1.07	5
5VX1320		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		**5V2360**		**5V2650**		**5V3000**		**5V3350**		
49.8	0.99	58.8	1.02	68.8	1.04	78.9	1.06	89.9	1.08	101.9	1.10	116.4	1.12	133.9	1.14	151.4	1.16	6
47.6	0.99	56.6	1.01	66.6	1.04	76.6	1.06	87.6	1.08	99.7	1.10	114.2	1.12	131.7	1.14	149.2	1.16	7
—	—	—	—	38.2	0.98	48.4	1.01	59.5	1.04	71.6	1.07	86.2	1.09	103.8	1.12	121.3	1.14	8
55.7	1.00	64.7	1.02	74.7	1.05	84.7	1.07	95.7	1.08	107.7	1.10	122.2	1.12	139.7	1.14	157.2	1.16	9
54.8	1.00	63.8	1.02	73.8	1.05	83.8	1.06	94.8	1.08	106.8	1.10	121.3	1.12	138.8	1.14	156.3	1.16	10
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
27.4	0.91	32.4	0.93	37.5	0.95	43.5	0.97	50.0	0.99	57.5	1.01	67.5	1.03	77.5	1.05	87.5	1.07	11
24.5	0.90	29.6	0.92	34.6	0.94	40.6	0.96	47.1	0.99	54.6	1.01	64.6	1.03	74.6	1.05	84.6	1.07	12
20.7	0.88	25.8	0.91	30.8	0.93	36.8	0.96	43.4	0.98	50.9	1.00	60.9	1.03	70.9	1.05	80.9	1.07	13
20.2	0.88	25.3	0.91	30.3	0.93	36.4	0.96	42.9	0.98	50.4	1.00	60.4	1.02	70.4	1.05	80.5	1.07	14
28.3	0.91	33.3	0.93	38.3	0.95	44.3	0.97	50.8	0.99	58.3	1.01	68.3	1.03	78.4	1.05	88.4	1.07	15
5VX900		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		
33.1	0.93	38.1	0.95	44.1	0.97	50.6	0.99	58.1	1.01	68.1	1.03	78.1	1.05	88.1	1.07	100.1	1.09	16
31.3	0.93	36.3	0.95	42.3	0.97	48.9	0.99	56.4	1.01	66.4	1.03	76.4	1.05	86.4	1.07	98.4	1.09	17
29.7	0.92	34.7	0.94	40.8	0.96	47.3	0.99	54.8	1.01	64.8	1.03	74.8	1.05	84.8	1.07	96.8	1.09	18
19.9	0.88	25.0	0.91	31.1	0.94	37.7	0.97	45.2	0.99	55.3	1.02	65.3	1.04	75.3	1.06	87.3	1.08	19
—	—	20.6	0.89	26.8	0.92	33.4	0.95	40.9	0.98	51.0	1.01	61.0	1.03	71.1	1.06	83.1	1.08	20
5VX950		**5VX1060**		**5VX1180**		**5VX1320**		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		**5V2360**		
—	—	21.9	0.90	28.0	0.93	35.1	0.96	44.2	0.99	54.3	1.02	64.3	1.04	75.3	1.06	87.4	1.09	21
37.6	0.94	43.1	0.96	49.1	0.98	56.1	1.00	65.1	1.02	75.1	1.05	85.1	1.07	96.1	1.08	108.1	1.10	22
36.2	0.94	41.7	0.96	47.7	0.98	54.7	1.00	63.7	1.02	73.7	1.05	83.7	1.06	94.8	1.08	106.8	1.10	23
33.7	0.94	39.3	0.96	45.3	0.98	52.3	1.00	61.3	1.02	71.3	1.04	81.3	1.06	92.3	1.08	104.3	1.10	24
33.1	0.94	38.6	0.96	44.6	0.98	51.6	1.00	60.7	1.02	70.7	1.04	80.7	1.06	91.7	1.08	103.7	1.10	25
5VX1250		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		**5V2500**		**5V2800**		**5V3150**		
42.7	0.98	50.2	1.00	60.3	1.02	70.3	1.05	80.3	1.07	92.3	1.09	105.3	1.11	120.3	1.12	137.8	1.15	26
36.4	0.96	44.0	0.99	54.0	1.01	64.1	1.04	74.1	1.06	86.1	1.08	99.1	1.10	114.2	1.12	131.7	1.14	27
31.4	0.95	39.0	0.97	49.1	1.01	59.1	1.03	69.2	1.05	81.2	1.07	94.2	1.10	109.2	1.12	126.8	1.14	28
27.7	0.93	35.4	0.96	45.5	1.00	55.6	1.02	65.6	1.05	77.7	1.07	90.7	1.09	105.7	1.11	123.3	1.14	29
51.9	0.99	59.4	1.01	69.4	1.04	79.4	1.06	89.4	1.07	101.4	1.09	114.4	1.11	129.4	1.13	146.9	1.15	30
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
29.1	0.91	34.1	0.93	39.1	0.95	45.1	0.97	51.6	0.99	59.1	1.01	69.1	1.03	79.1	1.06	89.1	1.07	31
26.4	0.90	31.4	0.93	36.4	0.95	42.4	0.97	48.9	0.99	56.4	1.01	66.5	1.03	76.5	1.05	86.5	1.07	32
24.6	0.90	29.6	0.92	34.7	0.94	40.7	0.96	47.2	0.98	54.7	1.01	64.7	1.03	74.7	1.05	84.7	1.07	33
17.0	0.86	22.1	0.89	27.2	0.92	33.2	0.95	39.8	0.97	47.3	0.99	57.3	1.02	67.3	1.04	77.4	1.06	34
—	—	20.0	0.88	25.1	0.91	31.2	0.94	37.7	0.97	45.3	0.99	55.3	1.02	65.4	1.04	75.4	1.06	35
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
23.2	0.89	28.2	0.92	33.2	0.94	39.2	0.96	45.8	0.98	53.3	1.00	63.3	1.03	73.3	1.05	83.3	1.07	36
20.4	0.88	25.4	0.91	30.5	0.93	36.5	0.95	43.0	0.98	50.6	1.00	60.6	1.02	70.6	1.05	80.6	1.07	37
16.9	0.86	22.0	0.89	27.1	0.92	33.1	0.95	39.7	0.97	47.2	0.99	57.2	1.02	67.3	1.04	77.3	1.06	38
30.4	0.91	35.4	0.94	40.4	0.95	46.4	0.97	52.9	0.99	60.4	1.01	70.4	1.04	80.4	1.06	90.4	1.07	39
28.1	0.91	33.2	0.93	38.2	0.95	44.2	0.97	50.7	0.99	58.2	1.01	68.2	1.03	78.2	1.05	88.2	1.07	40
5VX950		**5VX1060**		**5VX1180**		**5VX1320**		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		**5V2360**		
34.3	0.94	39.8	0.96	45.8	0.98	52.8	1.00	61.8	1.02	71.8	1.04	81.9	1.06	92.9	1.08	104.9	1.10	41
33.8	0.94	39.3	0.96	45.3	0.98	52.4	1.00	61.4	1.02	71.4	1.04	81.4	1.06	92.4	1.08	104.4	1.10	42
29.2	0.92	34.8	0.95	40.8	0.97	47.8	0.99	56.8	1.01	66.9	1.04	76.9	1.06	87.9	1.08	99.9	1.10	43
—	—	21.8	0.89	28.0	0.93	35.1	0.96	44.2	0.99	54.2	1.02	64.3	1.04	75.3	1.06	87.4	1.08	44
31.5	0.93	37.0	0.95	43.0	0.97	50.1	0.99	59.1	1.02	69.1	1.04	79.1	1.06	90.1	1.08	102.1	1.10	45
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
20.9	0.88	26.0	0.91	31.0	0.93	37.1	0.96	43.6	0.98	51.1	1.00	61.1	1.02	71.1	1.05	81.2	1.07	46
29.4	0.91	34.4	0.93	39.4	0.95	45.4	0.97	51.9	0.99	59.4	1.01	69.5	1.03	79.5	1.06	89.5	1.07	47
29.2	0.91	34.2	0.93	39.2	0.95	45.2	0.97	51.7	0.99	59.2	1.01	69.2	1.03	79.2	1.06	89.2	1.07	48
28.9	0.91	33.9	0.93	39.0	0.95	45.0	0.97	51.5	0.99	59.0	1.01	69.0	1.03	79.0	1.05	89.0	1.07	49
27.6	0.91	32.6	0.93	37.6	0.95	43.6	0.97	50.1	0.99	57.6	1.01	67.6	1.03	77.6	1.05	87.6	1.07	50
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
25.7	0.90	30.8	0.92	35.8	0.94	41.8	0.97	48.3	0.99	55.8	1.01	65.8	1.03	75.8	1.05	85.8	1.07	51
24.8	0.90	29.9	0.92	34.9	0.94	40.9	0.96	47.4	0.98	54.9	1.01	64.9	1.03	75.0	1.05	85.0	1.07	52
23.2	0.89	28.3	0.92	33.3	0.94	39.3	0.96	45.8	0.98	53.3	1.00	63.4	1.03	73.4	1.05	83.4	1.07	53
23.0	0.89	28.0	0.92	33.0	0.94	39.1	0.96	45.6	0.98	53.1	1.00	63.1	1.03	73.1	1.05	83.1	1.07	54
20.2	0.88	25.3	0.91	30.3	0.93	36.3	0.95	42.9	0.98	50.4	1.00	60.4	1.02	70.4	1.05	80.4	1.06	55
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
29.8	0.91	34.8	0.93	39.8	0.95	45.8	0.97	52.3	0.99	59.8	1.01	69.8	1.04	79.8	1.06	89.9	1.07	56
28.5	0.91	33.5	0.93	38.5	0.95	44.5	0.97	51.0	0.99	58.5	1.01	68.5	1.03	78.5	1.05	88.5	1.07	57
26.9	0.90	31.9	0.93	36.9	0.95	42.9	0.97	49.4	0.99	56.9	1.01	66.9	1.03	76.9	1.05	86.9	1.07	58
24.8	0.90	29.8	0.92	34.8	0.94	40.8	0.96	47.3	0.98	54.9	1.01	64.9	1.03	74.9	1.05	84.9	1.07	59
—	—	20.2	0.88	25.3	0.91	31.4	0.94	38.0	0.96	45.5	0.99	55.5	1.02	65.6	1.04	75.6	1.06	60
5VX1320		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		**5V2360**		**5V2650**		**5V3000**		**5V3350**		
—	—	—	—	38.9	0.98	49.1	1.01	60.2	1.04	72.3	1.06	86.9	1.09	104.5	1.12	122.1	1.14	61
54.9	1.00	63.9	1.02	73.9	1.04	83.9	1.06	94.9	1.08	106.9	1.10	121.4	1.12	138.9	1.14	156.4	1.16	62
51.0	0.99	60.0	1.02	70.0	1.04	80.0	1.06	91.0	1.08	103.0	1.10	117.5	1.12	135.1	1.14	152.6	1.16	63
50.1	0.99	59.1	1.02	69.2	1.04	79.2	1.06	90.2	1.08	102.2	1.10	116.7	1.12	134.2	1.14	151.7	1.16	64
49.2	0.99	58.2	1.02	68.2	1.04	78.2	1.06	89.2	1.08	101.2	1.10	115.7	1.12	133.2	1.14	150.7	1.16	65
5VX1250		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		**5V2500**		**5V2800**		**5V3150**		
28.2	0.93	35.8	0.96	45.9	1.00	56.0	1.02	66.1	1.05	78.1	1.07	91.2	1.09	106.2	1.11	123.7	1.14	66
52.7	0.99	60.2	1.01	70.2	1.04	80.2	1.06	90.2	1.07	102.2	1.09	115.3	1.11	130.3	1.13	147.8	1.15	67
50.2	0.99	57.7	1.01	67.7	1.03	77.7	1.05	87.7	1.07	99.7	1.09	112.7	1.11	127.7	1.13	145.2	1.15	68
49.1	0.99	56.6	1.01	66.6	1.03	76.6	1.05	86.6	1.07	98.6	1.09	111.6	1.11	126.6	1.13	144.1	1.15	69
48.4	0.99	55.9	1.01	65.9	1.03	75.9	1.05	85.9	1.07	97.9	1.09	110.9	1.11	125.9	1.13	143.4	1.15	70
5VX900		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		
26.9	0.91	31.9	0.93	37.9	0.96	44.5	0.98	52.0	1.00	62.0	1.03	72.0	1.05	82.0	1.07	94.0	1.09	71
19.0	0.87	24.1	0.90	30.2	0.93	36.8	0.96	44.4	0.99	54.4	1.01	64.5	1.04	74.5	1.06	86.5	1.08	72
—	—	21.0	0.88	27.2	0.92	33.8	0.95	41.4	0.98	51.4	1.01	61.5	1.03	71.5	1.05	83.6	1.08	73
34.3	0.93	39.3	0.95	45.3	0.97	51.0	0.99	59.3	1.01	69.3	1.03	79.3	1.05	89.3	1.07	101.3	1.09	74
34.0	0.93	39.0	0.95	45.0	0.97	51.5	0.99	59.0	1.01	69.1	1.03	79.1	1.05	89.1	1.07	101.1	1.09	75

B

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Pitch Diameter Driver	Pitch Diameter Driven	Type Fix.	Type Var.	1750 RPM Driver Nominal Driven Speed	1750 RPM Driver HP per Belt Super	1750 RPM Driver HP per Belt Gripnotch	1160 RPM Driver Nominal Driven Speed	1160 RPM Driver HP per Belt Super	1160 RPM Driver HP per Belt Gripnotch	Center Distance in Inches and "F" Factor for Browning Belts: Belt No.	C.D.	F	Belt No.	C.D.	F	Belt No.	C.D.	F
														5VX500			5VX600			5VX710		
1	1.89	2	4	5.7	10.8	X	—	925	—	15.92	613	—	11.20	11.8	0.79		16.9	0.84		22.4	0.88	
2	1.89	2	4	5.9	11.2	X	—	925	—	16.82	613	—	11.83	11.3	0.79		16.4	0.84		21.9	0.88	
3	1.89	2	4	6.6	12.5	X	—	925	—	19.92	613	—	14.01	—	—		14.7	0.83		20.3	0.87	
4	1.89	2	4	6.9	13.1	X	—	925	—	21.23	613	—	14.93	—	—		14.0	0.82		19.6	0.86	
5	1.89	2	10	8.4	15.9	X	X	925	22.89	27.61	613	16.68	19.49	—	—		—	—		16.0	0.84	
														5VX530			5VX670			5VX800		
6	1.89	2	10	12.4	23.5	X	—	925	36.44	43.04	613	27.58	31.03	—	—		—	—		—	—	
7	1.90	2	6	5.1	9.7	X	—	921	—	13.19	610	—	9.30	14.7	0.82		21.8	0.87		28.3	0.91	
8	1.90	2	4	6.5	12.4	X	—	921	—	19.48	610	—	13.70	11.3	0.79		18.4	0.86		25.0	0.90	
9	1.90	2	4	9.7	18.5	X	—	921	27.69	32.90	610	20.36	23.34	—	—		—	—		17.3	0.85	
10	1.90	2	4	11.1	21.1	X	—	921	32.45	38.30	610	24.18	27.38	—	—		—	—		—	—	
														5VX530			5VX710			5VX850		
11	1.90	5	10	13.1	24.9	X	—	921	38.41	45.48	610	29.35	32.95	—	—		—	—		—	—	
12	1.91	2	6	4.8	9.2	X	—	916	—	11.81	607	—	8.34	15.4	0.82		24.4	0.89		31.4	0.92	
13	1.91	2	4	5.8	11.1	X	—	916	—	16.37	607	—	11.51	13.0	0.81		22.1	0.88		29.1	0.91	
14	1.91	2	4	6.1	11.7	X	—	916	—	17.71	607	—	12.45	12.2	0.80		21.3	0.87		28.4	0.91	
15	1.91	1	4	8.1	15.5	X	—	916	21.73	26.36	607	15.81	18.59	—	—		16.6	0.84		23.7	0.89	
														5VX530			5VX710			5VX850		
16	1.91	2	4	8.4	16.1	X	X	916	22.89	27.61	607	16.68	19.49	—	—		15.8	0.84		22.9	0.89	
17	1.91	2	10	9.7	18.6	X	—	916	27.69	32.90	607	20.36	23.34	—	—		—	—		19.8	0.87	
18	1.91	2	4	13.1	25.1	X	—	916	38.41	45.48	607	29.35	32.95	—	—		—	—		—	—	
19	1.92	2	4	5.3	10.2	X	—	911	—	14.11	604	—	9.93	14.1	0.82		23.2	0.88		30.2	0.92	
20	1.92	1	4	6.5	12.5	X	—	911	—	19.48	604	—	13.70	11.2	0.79		20.4	0.87		27.4	0.91	
														5VX500			5VX600			5VX710		
21	1.92	1	4	7.1	13.7	X	—	911	17.75	22.10	604	12.87	15.55	—	—		13.3	0.81		18.9	0.86	
22	1.93	1	4	4.5	8.7	X	—	906	—	10.42	601	—	7.38	14.5	0.81		19.5	0.85		25.0	0.89	
23	1.93	1	4	4.7	9.1	X	—	906	—	11.35	601	—	8.02	14.0	0.81		19.0	0.85		24.6	0.89	
24	1.93	1	4	4.9	9.5	X	—	906	—	12.28	601	—	8.66	13.5	0.81		18.6	0.85		24.1	0.88	
25	1.93	2	6	5.8	11.2	X	—	906	—	16.37	601	—	11.51	11.3	0.79		16.4	0.84		22.0	0.88	
														5VX500			5VX600			5VX710		
26	1.94	1	4	5.7	11.1	X	—	902	—	15.92	597	—	11.20	11.5	0.79		16.6	0.84		22.1	0.88	
27	1.94	1	4	9.5	18.5	X	X	902	27.13	32.10	597	19.90	22.75	—	—		—	—		—	—	
28	1.95	2	6	4.3	8.4	X	—	897	—	9.49	594	—	6.73	14.9	0.82		19.9	0.85		25.4	0.89	
29	1.95	2	4	4.7	9.2	X	—	897	—	11.35	594	—	8.02	13.9	0.81		19.0	0.85		24.5	0.88	
30	1.95	2	4	6.7	13.1	X	—	897	—	20.36	594	—	14.32	—	—		14.1	0.82		19.7	0.86	
														5VX600			5VX800			5VX1000		
31	1.95	2	4	7.0	13.7	X	X	897	17.49	21.67	594	12.67	15.24	13.3	0.81		23.5	0.89		33.6	0.94	
32	1.95	2	4	7.1	13.9	X	—	897	17.90	22.10	594	12.97	15.55	13.1	0.81		23.3	0.89		33.3	0.94	
33	1.95	2	4	9.5	18.6	X	X	897	27.13	32.10	594	19.90	22.75	—	—		17.3	0.85		27.6	0.92	
34	1.95	2	10	10.8	21.1	X	—	897	31.62	37.17	594	23.48	26.52	—	—		—	—		24.4	0.90	
35	1.95	3	4	16.1	31.4	X	—	—	—	—	594	36.53	40.85	—	—		—	—		—	—	
														5VX500			5VX600			5VX710		
36	1.96	2	4	5.5	10.8	X	—	892	—	15.02	591	—	10.57	11.9	0.79		17.0	0.84		22.5	0.88	
37	1.96	2	4	5.7	11.2	X	—	892	—	15.92	591	—	11.20	11.4	0.79		16.5	0.84		22.1	0.87	
38	1.96	2	4	6.3	12.4	X	—	892	—	18.60	591	—	13.08	—	—		15.0	0.83		20.6	0.87	
39	1.96	2	4	7.9	15.5	X	—	892	21.11	25.52	591	15.33	17.98	—	—		—	—		16.7	0.84	
40	1.96	2	4	8.1	15.9	X	—	892	21.89	26.36	591	15.91	18.59	—	—		—	—		16.2	0.84	
														5VX600			5VX800			5VX1000		
41	1.97	2	6	4.5	8.9	X	—	888	—	10.42	588	—	7.38	19.4	0.85		29.4	0.91		39.4	0.95	
42	1.97	2	4	4.8	9.5	X	—	888	—	11.81	588	—	8.34	18.6	0.85		28.7	0.91		38.7	0.95	
43	1.97	2	4	4.9	9.7	X	—	888	—	12.28	588	—	8.66	18.4	0.85		28.4	0.91		38.5	0.95	
44	1.97	2	4	10.2	20.1	X	—	888	29.60	34.86	588	21.84	24.79	—	—		—	—		25.7	0.91	
45	1.97	3	10	15.9	31.4	X	—	—	—	—	588	36.09	40.34	—	—		—	—		—	—	
														5VX500			5VX600			5VX710		
46	1.98	2	4	5.9	11.7	X	—	883	—	16.82	585	—	11.83	10.8	0.78		15.9	0.83		21.5	0.87	
47	1.98	1	4	6.3	12.5	X	—	883	—	18.60	585	—	13.08	—	—		14.9	0.82		20.5	0.87	
48	1.98	2	6	6.6	13.1	X	—	883	—	19.92	585	—	14.01	—	—		14.2	0.82		19.8	0.86	
49	1.98	1	4	6.9	13.7	X	—	883	—	21.23	585	—	14.93	—	—		13.4	0.81		19.0	0.86	
50	1.98	2	8	7.0	13.9	X	X	883	17.49	21.67	585	12.67	15.24	—	—		13.1	0.81		18.8	0.86	
														5VX530			5VX670			5VX800		
51	1.98	2	4	7.5	14.9	X	—	883	19.52	23.82	585	14.16	16.77	—	—		15.5	0.83		22.1	0.88	
52	1.98	1	4	8.1	16.1	X	—	883	21.89	26.36	585	15.91	18.59	—	—		13.9	0.82		20.6	0.87	
53	1.99	5	6	12.5	24.9	—	X	879	36.89	43.40	582	27.94	31.31	—	—		—	—		—	—	
54	2.00	2	6	5.1	10.2	X	—	875	—	13.19	580	—	9.30	14.3	0.81		21.3	0.87		27.9	0.90	
55	2.00	2	6	5.4	10.8	X	—	875	—	14.56	580	—	10.25	13.5	0.81		20.6	0.86		27.1	0.90	
														5VX560			5VX750			5VX900		
56	2.00	2	6	6.2	12.4	X	—	875	—	18.16	580	—	12.76	13.0	0.80		22.7	0.88		30.2	0.92	
57	2.00	2	10	11.7	23.5	X	—	875	34.50	40.53	580	25.87	29.08	—	—		—	—		—	—	
58	2.00	5	10	12.4	24.9	X	—	875	36.60	43.04	580	27.68	31.03	—	—		—	—		—	—	
59	2.00	1	4	12.5	25.1	X	X	875	36.89	43.40	580	27.94	31.31	—	—		—	—		—	—	
60	2.00	2	10	13.9	27.9	X	—	875	40.65	48.15	580	31.43	35.11	—	—		—	—		—	—	
														5VX500			5VX600			5VX710		
61	2.01	1	4	5.5	11.1	X	—	870	—	15.02	577	—	10.57	11.6	0.79		16.7	0.84		22.3	0.87	
62	2.01	2	6	5.8	11.7	X	—	870	—	16.37	577	—	11.51	10.9	0.78		16.0	0.83		21.6	0.87	
63	2.01	2	4	6.2	12.5	X	—	870	—	18.16	577	—	12.76	—	—		15.0	0.82		20.6	0.87	
64	2.01	2	4	6.5	13.1	X	—	870	—	19.48	577	—	13.70	—	—		14.2	0.82		19.8	0.86	
65	2.01	2	4	6.9	13.9	X	—	870	—	21.23	577	—	14.93	—	—		13.2	0.81		18.8	0.86	
														5VX600			5VX850			5VX1060		
66	2.01	2	8	7.4	14.9	X	X	870	19.12	23.39	577	13.86	16.46	11.9	0.79		24.7	0.89		35.3	0.94	
67	2.01	2	10	7.9	15.9	X	—	870	21.11	25.52	577	15.33	17.98	—	—		23.5	0.89		34.1	0.94	
68	2.01	2	4	9.2	18.5	X	—	870	26.04	30.89	577	19.06	21.87	—	—		20.2	0.87		30.9	0.93	
69	2.01	3	10	18.6	37.4	X	—	—	—	—	577	41.72	46.96	—	—		—	—		—	—	
70	2.02	1	4	4.3	8.7	X	—	866	—	9.49	574	—	6.73	19.7	0.85		32.2	0.92		42.7	0.96	
														5VX530			5VX670			5VX800		
71	2.02	1	4	4.5	9.1	X	—	866	—	10.42	574	—	7.38	15.7	0.82		22.7	0.87		29.2	0.91	
72	2.02	1	4	4.7	9.5	X	—	866	—	11.35	574	—	8.02	15.2	0.82		22.2	0.87		28.8	0.91	
73	2.02	2	6	4.8	9.7	X	—	866	—	11.81	574	—	8.34	14.9	0.82		22.0	0.87		28.5	0.91	
74	2.02	2	10	9.2	18.6	X	—	866	26.04	30.89	574	19.06	21.87	—	—		—	—		17.5	0.85	
75	2.02	2	4	12.4	25.1	X	—	866	36.60	43.04	574	27.68	31.03	—	—		—	—		—	—	

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts

Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
26.9	0.90	31.9	0.93	37.0	0.95	43.0	0.97	49.5	0.99	57.0	1.01	67.0	1.03	77.0	1.05	87.0	1.07	1
26.4	0.90	31.5	0.92	36.5	0.95	42.5	0.97	49.0	0.99	56.5	1.01	66.5	1.03	76.5	1.05	86.5	1.07	2
24.8	0.90	29.9	0.92	34.9	0.94	40.9	0.96	47.4	0.98	54.9	1.00	64.9	1.03	74.9	1.05	85.0	1.07	3
24.1	0.89	29.1	0.92	34.2	0.94	40.2	0.96	46.7	0.98	54.2	1.00	64.2	1.03	74.2	1.05	84.2	1.07	4
20.6	0.88	25.7	0.91	30.7	0.93	36.7	0.95	43.3	0.98	50.8	1.00	60.8	1.02	70.8	1.05	80.8	1.06	5
5VX900		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		
—	—	21.1	0.88	27.3	0.92	33.9	0.95	41.4	0.98	51.5	1.01	61.6	1.03	71.6	1.05	83.6	1.08	6
33.3	0.93	38.3	0.95	44.3	0.97	50.8	0.99	58.3	1.01	68.3	1.03	78.3	1.05	88.4	1.07	100.4	1.09	7
30.0	0.92	35.0	0.94	41.1	0.96	47.6	0.98	55.1	1.01	65.1	1.03	75.1	1.05	85.1	1.07	97.1	1.09	8
22.4	0.89	27.5	0.92	33.6	0.94	40.1	0.97	47.7	0.99	57.7	1.02	67.7	1.04	77.7	1.06	89.8	1.08	9
19.1	0.87	24.2	0.90	30.3	0.93	36.9	0.96	44.4	0.99	54.5	1.01	64.5	1.04	74.6	1.06	86.6	1.08	10
5VX950		**5VX1060**		**5VX1180**		**5VX1320**		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		**5V2360**		
—	—	22.4	0.89	28.6	0.93	35.7	0.96	44.8	0.99	54.9	1.02	64.9	1.04	75.9	1.06	88.0	1.08	11
36.4	0.94	42.0	0.96	48.0	0.98	55.0	1.00	64.0	1.02	74.0	1.04	84.0	1.06	95.0	1.08	107.0	1.10	12
34.1	0.94	39.6	0.96	45.7	0.98	52.7	1.00	61.7	1.02	71.7	1.04	81.7	1.06	92.7	1.08	104.7	1.10	13
33.4	0.93	38.9	0.95	44.9	0.97	52.0	1.00	61.0	1.02	71.0	1.04	81.0	1.06	92.0	1.08	104.0	1.10	14
28.7	0.92	34.3	0.94	40.3	0.97	47.3	0.99	56.4	1.01	66.4	1.04	76.4	1.06	87.4	1.08	99.4	1.09	15
5VX950		**5VX1060**		**5VX1180**		**5VX1320**		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		**5V2360**		
28.0	0.92	33.5	0.94	39.6	0.96	46.6	0.99	55.6	1.01	65.7	1.03	75.7	1.05	86.7	1.07	98.7	1.09	16
24.9	0.90	30.5	0.93	36.5	0.96	43.6	0.98	52.6	1.01	62.6	1.03	72.6	1.05	83.7	1.07	95.7	1.09	17
—	—	22.2	0.89	28.4	0.93	35.5	0.96	44.6	0.99	54.7	1.02	64.7	1.04	75.8	1.06	87.8	1.08	18
35.2	0.94	40.8	0.96	46.8	0.98	53.8	1.00	62.8	1.02	72.8	1.04	82.8	1.06	93.8	1.08	105.8	1.10	19
32.4	0.93	38.0	0.95	44.0	0.97	51.0	0.99	60.0	1.02	70.0	1.04	80.0	1.06	91.0	1.08	103.0	1.10	20
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
23.4	0.89	28.5	0.91	33.5	0.94	39.5	0.96	46.1	0.98	53.6	1.00	63.6	1.03	73.6	1.05	83.6	1.07	21
29.6	0.91	34.6	0.93	39.6	0.95	45.6	0.97	52.1	0.99	59.6	1.01	69.6	1.03	79.6	1.05	89.6	1.07	22
29.1	0.91	34.1	0.93	39.1	0.95	45.1	0.97	51.6	0.99	59.1	1.01	69.1	1.03	79.1	1.05	89.1	1.07	23
28.6	0.91	33.6	0.93	38.6	0.95	44.6	0.97	51.1	0.99	58.7	1.01	68.7	1.03	78.7	1.05	88.7	1.07	24
26.5	0.90	31.5	0.92	36.6	0.94	42.6	0.97	49.1	0.99	56.6	1.01	66.6	1.03	76.6	1.05	86.6	1.07	25
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
26.7	0.90	31.7	0.92	36.7	0.94	42.7	0.97	49.2	0.99	56.7	1.01	66.8	1.03	76.8	1.05	86.8	1.07	26
17.4	0.85	22.6	0.89	27.7	0.92	33.7	0.94	40.3	0.97	47.8	0.99	57.8	1.02	67.9	1.04	77.9	1.06	27
30.0	0.91	35.0	0.93	40.0	0.95	46.0	0.97	52.5	0.99	60.0	1.01	70.0	1.03	80.0	1.06	90.0	1.07	28
29.0	0.91	34.0	0.93	39.0	0.95	45.0	0.97	51.5	0.99	59.0	1.01	69.1	1.03	79.1	1.05	89.1	1.07	29
24.2	0.89	29.3	0.92	34.3	0.94	40.3	0.96	46.8	0.98	54.4	1.00	64.4	1.03	74.4	1.05	84.4	1.07	30
5VX1250		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		**5V2500**		**5V2800**		**5V3150**		
46.1	0.98	53.6	1.00	63.7	1.03	73.7	1.05	83.7	1.07	95.7	1.09	108.7	1.11	123.7	1.13	141.2	1.15	31
45.9	0.98	53.4	1.00	63.4	1.03	73.4	1.05	83.4	1.07	95.5	1.09	108.5	1.11	123.5	1.13	141.0	1.15	32
40.2	0.97	47.7	0.99	57.8	1.02	67.8	1.04	77.8	1.06	89.8	1.08	102.8	1.10	117.9	1.12	135.4	1.14	33
37.1	0.96	44.7	0.98	54.7	1.01	64.8	1.04	74.8	1.06	86.8	1.08	99.8	1.10	114.8	1.12	132.4	1.14	34
—	—	31.8	0.94	42.0	0.98	52.2	1.01	62.2	1.04	74.3	1.06	87.4	1.09	102.4	1.11	120.0	1.13	35
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
27.1	0.90	32.1	0.93	37.1	0.95	43.1	0.97	49.6	0.99	57.1	1.01	67.2	1.03	77.2	1.05	87.2	1.07	36
26.6	0.90	31.6	0.92	36.6	0.94	42.6	0.97	49.2	0.99	56.7	1.01	66.7	1.03	76.7	1.05	86.7	1.07	37
25.1	0.89	30.2	0.92	35.2	0.94	41.2	0.96	47.7	0.98	55.2	1.00	65.2	1.03	75.3	1.05	85.3	1.07	38
21.3	0.88	26.4	0.91	31.4	0.93	37.4	0.95	44.0	0.98	51.5	1.00	61.5	1.02	71.5	1.05	81.5	1.06	39
20.8	0.87	25.9	0.90	30.9	0.93	37.0	0.95	43.5	0.97	51.0	1.00	61.0	1.02	71.1	1.04	81.1	1.06	40
5VX1250		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		**5V2500**		**5V2800**		**5V3150**		
51.9	0.99	59.4	1.01	69.4	1.03	79.5	1.05	89.5	1.07	101.5	1.09	114.5	1.11	129.5	1.13	147.0	1.15	41
51.2	0.99	58.7	1.01	68.7	1.03	78.7	1.05	88.7	1.07	100.7	1.09	113.8	1.11	128.8	1.13	146.3	1.15	42
51.0	0.99	58.5	1.01	68.5	1.03	78.5	1.05	88.5	1.07	100.5	1.09	113.5	1.11	128.5	1.13	146.0	1.15	43
38.4	0.96	45.9	0.99	56.0	1.01	66.0	1.04	76.1	1.06	88.1	1.08	101.1	1.10	116.1	1.12	133.6	1.14	44
—	—	31.9	0.94	42.2	0.98	52.3	1.01	62.4	1.04	74.5	1.06	87.5	1.08	102.6	1.11	120.1	1.13	45
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
26.0	0.90	31.0	0.92	36.1	0.94	42.1	0.96	48.6	0.98	56.1	1.01	66.1	1.03	76.1	1.05	86.1	1.07	46
25.1	0.89	30.1	0.92	35.1	0.94	41.1	0.96	47.6	0.98	55.2	1.00	65.2	1.03	75.2	1.05	85.2	1.07	47
24.3	0.89	29.4	0.92	34.4	0.94	40.4	0.96	46.9	0.98	54.4	1.00	64.5	1.03	74.5	1.05	84.5	1.07	48
23.6	0.89	28.6	0.91	33.7	0.94	39.7	0.96	46.2	0.98	53.7	1.00	63.7	1.03	73.8	1.05	83.8	1.07	49
23.3	0.89	28.4	0.91	33.4	0.94	39.4	0.96	46.0	0.98	53.5	1.00	63.5	1.03	73.5	1.05	83.5	1.07	50
5VX900		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		
27.2	0.91	32.2	0.93	38.2	0.96	44.8	0.98	52.3	1.00	62.3	1.02	72.3	1.05	82.3	1.07	94.3	1.09	51
25.7	0.90	30.7	0.93	36.8	0.95	43.3	0.97	50.8	1.00	60.9	1.02	70.9	1.04	80.9	1.06	92.9	1.08	52
—	—	19.7	0.87	25.9	0.91	32.6	0.94	40.2	0.97	50.3	1.00	60.3	1.03	70.4	1.05	82.4	1.07	53
32.9	0.93	37.9	0.95	43.9	0.97	50.4	0.99	57.9	1.01	67.9	1.03	77.9	1.05	88.0	1.07	100.0	1.09	54
32.2	0.92	37.2	0.95	43.2	0.97	49.7	0.99	57.2	1.01	67.2	1.03	77.2	1.05	87.2	1.07	99.2	1.09	55
5VX1000		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		**5V2500**		
35.3	0.94	41.3	0.96	47.8	0.98	55.3	1.00	65.3	1.03	75.3	1.05	85.3	1.07	97.3	1.09	110.4	1.11	56
21.6	0.88	27.7	0.92	34.4	0.95	42.0	0.98	52.0	1.01	62.1	1.03	72.1	1.05	84.2	1.07	97.2	1.10	57
19.7	0.87	26.0	0.91	32.6	0.94	40.2	0.97	50.3	1.00	60.4	1.03	70.4	1.05	82.5	1.07	95.5	1.09	58
19.5	0.86	25.7	0.91	32.4	0.94	40.0	0.97	50.1	1.00	60.2	1.03	70.2	1.05	82.2	1.07	95.3	1.09	59
—	—	22.1	0.88	28.8	0.92	36.5	0.96	46.7	0.99	56.8	1.02	66.8	1.04	78.9	1.07	91.9	1.09	60
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
26.8	0.90	31.8	0.92	36.9	0.94	42.9	0.97	49.4	0.99	56.9	1.01	66.9	1.03	76.9	1.05	86.9	1.07	61
26.1	0.90	31.1	0.92	36.1	0.94	42.2	0.96	48.7	0.98	56.2	1.01	66.2	1.03	76.2	1.05	86.2	1.07	62
25.1	0.89	30.2	0.92	35.2	0.94	41.2	0.96	47.7	0.98	55.2	1.00	65.2	1.03	75.3	1.05	85.3	1.07	63
24.4	0.89	29.4	0.92	34.5	0.94	40.5	0.96	47.0	0.98	54.5	1.00	64.5	1.03	74.5	1.05	84.5	1.07	64
23.4	0.89	28.5	0.91	33.5	0.93	39.5	0.96	46.0	0.98	53.6	1.00	63.6	1.03	73.6	1.05	83.6	1.07	65
5VX1320		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		**5V2360**		**5V2650**		**5V3000**		**5V3350**		
48.3	0.99	57.4	1.01	67.4	1.04	77.4	1.06	88.4	1.08	100.4	1.09	114.9	1.12	132.4	1.14	149.9	1.16	66
47.1	0.99	56.2	1.01	66.2	1.03	76.2	1.05	87.2	1.07	99.2	1.09	113.7	1.11	131.3	1.14	148.8	1.16	67
44.0	0.98	53.1	1.00	63.1	1.03	73.1	1.05	84.1	1.07	96.1	1.09	110.7	1.11	128.2	1.13	145.7	1.15	68
—	—	29.5	0.93	39.9	0.97	50.2	1.01	61.3	1.04	73.4	1.06	88.0	1.09	105.6	1.11	123.2	1.14	69
55.8	1.00	64.8	1.02	74.8	1.04	84.8	1.06	95.8	1.08	107.8	1.10	122.3	1.12	139.8	1.14	157.3	1.16	70
5VX900		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		
34.2	0.93	39.3	0.95	45.3	0.97	51.8	0.99	59.3	1.01	69.3	1.03	79.3	1.05	89.3	1.07	101.3	1.09	71
33.8	0.93	38.8	0.95	44.8	0.97	51.3	0.99	58.8	1.01	68.8	1.03	78.8	1.05	88.8	1.07	100.8	1.09	72
33.5	0.93	38.5	0.95	44.6	0.97	51.1	0.99	58.6	1.01	68.6	1.03	78.6	1.05	88.6	1.07	100.6	1.09	73
22.7	0.89	27.8	0.91	33.9	0.94	40.4	0.97	47.9	0.99	58.0	1.02	68.0	1.04	78.0	1.06	90.1	1.08	74
—	—	19.5	0.86	25.8	0.91	32.4	0.94	40.1	0.97	50.2	1.00	60.2	1.03	70.3	1.05	82.3	1.07	75

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For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves		Pitch Diameter		Type		Nominal Driven Speeds and Horsepower per Belt						Center Distance in Inches and "F" Factor for Browning Belts					
								1750 RPM Driver			1160 RPM Driver			Belt No.		Belt No.		Belt No.	
		Min	Max	Driver	Driven	Fix.	Var.	Nominal Driven Speed	HP per Belt Super	HP per Belt Gripnotch	Nominal Driven Speed	HP per Belt Super	HP per Belt Gripnotch	C.D.	F	C.D.	F	C.D.	F
														5VX600		5VX850		5VX1060	
1	2.02	3	4	15.5	31.4	X	—	—	—	—	574	35.19	39.32	—	—	—	—	—	—
2	2.02	3	4	18.5	37.4	X	—	—	—	—	574	41.53	46.72	—	—	—	—	—	—
3	2.03	2	4	5.3	10.8	X	—	862	—	14.11	571	—	9.93	17.1	0.84	29.7	0.91	40.3	0.96
4	2.03	2	4	5.5	11.2	X	—	862	—	15.02	571	—	10.57	16.6	0.83	29.3	0.91	39.8	0.95
5	2.03	2	4	6.1	12.4	X	—	862	—	17.71	571	—	12.45	15.2	0.82	27.8	0.91	38.3	0.95
														5VX560		5VX750		5VX900	
6	2.03	2	4	7.9	16.1	X	—	862	21.11	25.52	571	15.33	17.98	—	—	18.2	0.85	25.8	0.90
7	2.03	1	4	9.1	18.5	X	—	862	25.68	30.49	571	18.78	21.57	—	—	15.1	0.83	22.9	0.89
8	2.03	1	4	13.7	27.9	X	—	862	40.14	47.49	571	30.94	34.58	—	—	—	—	—	—
9	2.04	2	6	4.5	9.2	X	—	857	—	10.42	568	—	7.38	17.1	0.83	26.6	0.89	34.2	0.93
10	2.04	1	4	6.1	12.5	X	—	857	—	17.71	568	—	12.45	13.0	0.80	22.7	0.88	30.2	0.92
														5VX500		5VX600		5VX710	
11	2.04	1	4	6.7	13.7	X	—	857	—	20.36	568	—	14.32	—	—	13.5	0.81	19.2	0.86
12	2.04	2	4	9.1	18.6	X	—	857	25.68	30.49	568	18.78	21.57	—	—	—	—	—	—
13	2.05	2	4	5.4	11.1	X	—	853	—	14.56	565	—	10.25	11.7	0.79	16.8	0.84	22.4	0.87
14	2.05	2	4	5.7	11.7	X	—	853	—	15.92	565	—	11.20	10.9	0.78	16.1	0.83	21.6	0.87
15	2.06	2	6	4.3	8.9	X	—	849	—	9.49	563	—	6.73	14.5	0.81	19.5	0.85	25.0	0.88
														5VX500		5VX600		5VX710	
16	2.06	2	4	4.7	9.7	X	—	849	—	11.35	563	—	8.02	13.5	0.80	18.5	0.85	24.1	0.88
17	2.06	1	4	7.5	15.5	X	—	849	19.52	23.82	563	14.16	16.77	—	—	—	—	17.0	0.84
18	2.06	2	10	10.2	21.1	X	—	849	29.60	34.86	563	21.84	24.79	—	—	—	—	—	—
19	2.07	2	6	5.4	11.2	X	—	845	—	14.56	560	—	10.25	11.6	0.78	16.7	0.83	22.3	0.87
20	2.07	2	4	6.3	13.1	X	—	845	—	18.60	560	—	13.08	—	—	14.4	0.82	20.0	0.86
														5VX500		5VX600		5VX710	
21	2.07	2	4	6.6	13.7	X	—	845	—	19.92	560	—	14.01	—	—	13.6	0.81	19.2	0.86
22	2.07	2	4	6.7	13.9	X	—	845	—	20.36	560	—	14.32	—	—	13.3	0.81	19.0	0.86
23	2.07	2	4	8.9	18.5	X	—	845	24.93	29.67	560	18.21	20.98	—	—	—	—	—	—
24	2.07	2	4	9.7	20.1	X	—	845	27.85	32.90	560	20.46	23.34	—	—	—	—	—	—
25	2.08	2	4	4.9	10.2	X	—	841	—	12.28	557	—	8.66	12.9	0.80	18.0	0.84	23.5	0.88
														5VX500		5VX630		5VX750	
26	2.08	2	10	8.9	18.6	X	—	841	24.93	29.67	557	18.21	20.98	—	—	—	—	15.1	0.82
27	2.09	1	4	5.3	11.1	X	—	837	—	14.11	555	—	9.93	11.8	0.79	18.4	0.85	24.5	0.89
28	2.09	2	4	7.1	14.9	X	—	837	17.90	22.10	555	12.97	15.55	—	—	13.7	0.81	19.8	0.86
29	2.09	2	4	7.4	15.5	X	X	837	19.12	23.39	555	13.86	16.46	—	—	12.9	0.80	19.1	0.86
30	2.09	2	10	11.2	23.5	X	—	837	32.93	38.68	555	24.55	27.66	—	—	—	—	—	—
														5VX600		5VX800		5VX1000	
31	2.10	2	4	5.9	12.4	X	—	833	—	16.82	552	—	11.83	15.3	0.82	25.4	0.89	35.5	0.94
32	2.10	1	4	6.5	13.7	X	—	833	—	19.48	552	—	13.70	13.7	0.81	23.9	0.89	34.0	0.93
33	2.10	2	6	6.6	13.9	X	—	833	—	19.92	552	—	14.01	13.4	0.81	23.6	0.88	33.7	0.93
34	2.10	3	10	14.9	31.4	X	—	—	—	—	552	33.81	37.76	—	—	—	—	—	—
35	2.11	1	4	4.3	9.1	X	—	829	—	9.49	549	—	6.73	19.3	0.85	29.4	0.91	39.4	0.95
														5VX500		5VX600		5VX710	
36	2.11	1	4	4.5	9.5	X	—	829	—	10.42	549	—	7.38	13.8	0.80	18.8	0.85	24.4	0.88
37	2.11	2	6	5.1	10.8	X	—	829	—	13.19	549	—	9.30	12.2	0.79	17.3	0.84	22.8	0.87
38	2.11	2	4	5.3	11.2	X	—	829	—	14.11	549	—	9.93	11.7	0.78	16.8	0.83	22.4	0.87
39	2.11	1	4	5.9	12.5	X	—	829	—	16.82	549	—	11.83	10.0	0.76	15.2	0.82	20.8	0.86
40	2.11	2	6	6.2	13.1	X	—	829	—	18.16	549	—	12.76	—	—	14.4	0.82	20.1	0.86
														5VX500		5VX630		5VX750	
41	2.11	1	4	9.5	20.1	X	X	829	27.13	32.10	549	19.90	22.75	—	—	—	—	—	—
42	2.11	1	4	11.1	23.5	X	—	829	32.60	38.30	549	24.28	27.38	—	—	—	—	—	—
43	2.12	2	6	4.8	10.2	X	—	825	—	11.81	547	—	8.34	12.9	0.80	19.5	0.85	25.6	0.89
44	2.12	2	4	5.5	11.7	X	—	825	—	15.02	547	—	10.57	11.1	0.78	17.7	0.84	23.8	0.88
45	2.12	2	8	7.0	14.9	X	X	825	17.49	21.67	547	12.67	15.24	—	—	13.7	0.81	19.9	0.86
														5VX560		5VX750		5VX900	
46	2.12	2	4	7.5	15.9	X	—	825	19.52	23.82	547	14.16	16.77	—	—	18.7	0.85	26.3	0.90
47	2.12	1	4	8.7	18.5	X	—	825	24.19	28.85	547	17.64	20.39	—	—	15.4	0.82	23.1	0.88
48	2.12	5	10	11.7	24.9	X	—	825	34.50	40.53	547	25.87	29.08	—	—	—	—	—	—
49	2.12	2	10	13.1	27.9	X	—	825	38.56	45.48	547	29.46	32.95	—	—	—	—	—	—
50	2.13	2	6	4.3	9.2	X	—	821	—	9.49	544	—	6.73	17.2	0.83	26.8	0.89	34.3	0.93
														5VX500		5VX600		5VX710	
51	2.13	2	6	5.8	12.4	X	—	821	—	16.37	544	—	11.51	10.2	0.76	15.4	0.82	21.0	0.86
52	2.13	2	4	6.5	13.9	X	—	821	—	19.48	544	—	13.70	—	—	13.5	0.80	19.1	0.85
53	2.13	2	4	8.7	18.6	X	—	821	24.19	28.85	544	17.64	20.39	—	—	—	—	—	—
54	2.14	2	4	6.1	13.1	X	—	817	—	17.71	542	—	12.45	—	—	14.5	0.81	20.1	0.86
55	2.14	2	8	7.4	15.9	X	X	817	19.12	23.39	542	13.86	16.46	—	—	—	—	16.7	0.84
														5VX530		5VX670		5VX800	
56	2.14	1	4	7.5	16.1	X	—	817	19.52	23.82	542	14.16	16.77	—	—	14.3	0.81	21.0	0.87
57	2.14	2	4	11.7	25.1	X	—	817	34.50	40.53	542	25.87	29.08	—	—	—	—	—	—
58	2.15	2	6	4.5	9.7	X	—	813	—	10.42	539	—	7.38	15.1	0.82	22.2	0.87	28.7	0.90
59	2.15	2	4	5.8	12.5	X	—	813	—	16.37	539	—	11.51	11.7	0.78	18.8	0.85	25.4	0.89
60	2.15	2	4	6.9	14.9	X	—	813	—	21.23	539	—	14.93	—	—	15.9	0.83	22.5	0.88
														5VX500		5VX600		5VX710	
61	2.16	2	6	5.4	11.7	X	—	810	—	14.56	537	—	10.25	11.1	0.78	16.3	0.83	21.8	0.87
62	2.17	2	4	4.7	10.2	X	—	806	—	11.35	534	—	8.02	13.0	0.80	18.1	0.84	23.6	0.88
63	2.17	1	4	5.1	11.1	X	—	806	—	13.19	534	—	9.30	11.9	0.78	17.0	0.83	22.6	0.87
64	2.17	2	4	5.7	12.4	X	—	806	—	15.92	534	—	11.20	10.2	0.76	15.4	0.82	21.0	0.86
65	2.17	1	4	6.3	13.7	X	—	806	—	18.60	534	—	13.08	—	—	13.8	0.81	19.4	0.86
														5VX500		5VX630		5VX750	
66	2.17	2	4	7.4	16.1	X	X	806	19.12	23.39	534	13.86	16.46	—	—	—	—	18.5	0.85
67	2.17	2	10	9.7	21.1	X	—	806	27.85	32.90	534	20.46	23.34	—	—	—	—	—	—
68	2.17	2	10	10.8	23.5	X	—	806	31.62	37.17	534	23.48	26.52	—	—	—	—	—	—
69	2.18	1	4	7.1	15.5	X	—	802	17.90	22.10	532	12.97	15.55	—	—	13.1	0.80	19.3	0.86
70	2.18	2	4	9.2	20.1	X	—	802	26.04	30.89	532	19.06	21.87	—	—	—	—	—	—
														5VX500		5VX600		5VX710	
71	2.19	2	6	5.1	11.2	X	—	799	—	13.19	529	—	9.30	11.8	0.78	16.9	0.83	22.5	0.87
72	2.19	1	4	5.7	12.5	X	—	799	—	15.92	529	—	11.20	10.1	0.76	15.3	0.82	20.9	0.86
73	2.20	1	4	4.3	9.5	X	—	795	—	9.49	527	—	6.73	13.9	0.80	19.0	0.84	24.5	0.88
74	2.20	2	4	4.9	10.8	X	—	795	—	12.28	527	—	8.66	12.3	0.79	17.4	0.84	23.0	0.87
75	2.20	2	4	5.3	11.7	X	—	795	—	14.11	527	—	9.93	11.2	0.77	16.3	0.83	21.9	0.87

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts

Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
5VX1320		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		**5V2360**		**5V2650**		**5V3000**		**5V3350**		
28.1	0.92	37.3	0.96	47.5	1.00	57.6	1.02	68.7	1.05	80.8	1.07	95.4	1.10	112.9	1.12	130.4	1.14	1
—	—	29.6	0.93	40.0	0.97	50.2	1.01	61.4	1.04	73.5	1.06	88.1	1.09	105.7	1.11	123.3	1.14	2
53.3	1.00	62.3	1.02	72.3	1.04	82.3	1.06	93.3	1.08	105.3	1.10	119.8	1.12	137.3	1.14	154.8	1.16	3
52.8	1.00	61.8	1.02	71.8	1.04	81.8	1.06	92.8	1.08	104.9	1.10	119.4	1.12	136.9	1.14	154.4	1.16	4
51.4	0.99	60.4	1.02	70.4	1.04	80.4	1.06	91.4	1.08	103.4	1.10	117.9	1.12	135,4	1.14	152.9	1.16	5
5VX1000		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		**5V2500**		
30.9	0.93	36.9	0.95	43.5	0.97	51.0	1.00	61.0	1.02	71.0	1.04	81.1	1.06	93.1	1.08	106.1	1.10	6
27.9	0.91	34.0	0.94	40.6	0.97	48.1	0.99	58.1	1.02	68.2	1.04	78.2	1.06	90.2	1.08	103.2	1.10	7
—	—	22.2	0.88	29.0	0.92	36.7	0.96	46.8	0.99	56.9	1.02	67.0	1.04	79.0	1.07	92.1	1.09	8
39.2	0.95	45.2	0.97	51.7	0.99	59.2	1.01	69.2	1.03	79.2	1.05	89.2	1.07	101.2	1.09	114.2	1.11	9
35.3	0.94	41.3	0.96	47.8	0.98	55.3	1.00	65.3	1.03	75.3	1.05	85.3	1.07	97.3	1.09	110.4	1.11	10
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
23.7	0.89	28.8	0.91	33.8	0.94	39.8	0.96	46.4	0.98	53.9	1.00	63.9	1.03	73.9	1.05	83.9	1.07	11
17.6	0.85	22.8	0.89	27.9	0.91	33.9	0.94	40.5	0.97	48.0	0.99	58.1	1.02	68.1	1.04	78.1	1.06	12
26.9	0.90	31.9	0.92	36.9	0.94	43.0	0.97	49.5	0.99	57.0	1.01	67.0	1.03	77.0	1.05	87.0	1.07	13
26.2	0.90	31.2	0.92	36.2	0.94	42.2	0.96	48.7	0.98	56.3	1.01	66.3	1.03	76.3	1.05	86.3	1.07	14
29.5	0.91	34.6	0.93	39.6	0.95	45.6	0.97	52.1	0.99	59.6	1.01	69.6	1.03	79.6	1.05	89.6	1.07	15
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
28.6	0.90	33.6	0.93	38.6	0.95	44.6	0.97	51.1	0.99	58.6	1.01	68.7	1.03	78.7	1.05	88.7	1.07	16
21.6	0.87	26.6	0.90	31.7	0.93	37.7	0.95	44.3	0.97	51.8	1.00	61.8	1.02	71.8	1.04	81.8	1.06	17
—	—	19.7	0.86	24.8	0.90	30.9	0.93	37.5	0.96	45.1	0.98	55.2	1.01	65.2	1.03	75.2	1.06	18
26.8	0.90	31.8	0.92	36.9	0.94	42.9	0.96	49.4	0.99	56.9	1.01	66.9	1.03	76.9	1.05	86.9	1.07	19
24.5	0.89	29.6	0.91	34.6	0.94	40.6	0.96	47.1	0.98	54.7	1.00	64.7	1.03	74.7	1.05	84.7	1.07	20
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
23.8	0.89	28.8	0.91	33.9	0.93	39.9	0.96	46.4	0.98	53.9	1.00	64.0	1.03	74.0	1.05	84.0	1.07	21
23.6	0.88	28.6	0.91	33.6	0.93	39.7	0.96	46.2	0.98	53.7	1.00	63.7	1.03	73.7	1.05	83.8	1.07	22
17.8	0.85	23.0	0.89	28.1	0.91	34.2	0.94	40.7	0.97	48.3	0.99	58.3	1.02	68.3	1.04	78.3	1.06	23
15.8	0.83	21.0	0.87	26.1	0.90	32.2	0.93	38.8	0.96	46.3	0.99	56.4	1.01	66.4	1.04	76.4	1.06	24
28.0	0.90	33.0	0.93	38.1	0.95	44.1	0.97	50.6	0.99	58.1	1.01	68.1	1.03	78.1	1.05	88.1	1.07	25
5VX850		**5VX950**		**5VX1060**		**5VX1180**		**5VX1320**		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		
20.3	0.87	25.5	0.90	31.0	0.93	37.1	0.95	44.1	0.98	53.2	1.00	63.2	1.03	73.3	1.05	84.3	1.07	26
29.5	0.91	34.5	0.93	40.0	0.95	46.0	0.97	53.0	1.00	62.1	1.02	72.1	1.04	82.1	1.06	93.1	1.08	27
24.9	0.89	30.0	0.92	35.5	0.94	41.5	0.96	48.6	0.99	57.6	1.01	67.6	1.03	77.6	1.06	88.6	1.07	28
24.2	0.89	29.2	0.92	34.8	0.94	40.8	0.96	47.9	0.99	56.9	1.01	66.9	1.03	76.9	1.05	87.9	1.07	29
—	—	19.3	0.86	25.0	0.90	31.2	0.93	38.3	0.96	47.4	0.99	57.4	1.02	67.5	1.04	78.5	1.06	30
5VX1250		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		**5V2500**		**5V2800**		**5V3150**		
48.0	0.98	55.5	1.00	65.6	1.03	75.6	1.05	85.6	1.07	97.6	1.09	110.6	1.11	125.6	1.13	143.1	1.15	31
46.5	0.98	54.0	1.00	64.0	1.03	74.1	1.05	84.1	1.07	96.1	1.09	109.1	1.11	124.1	1.13	141.6	1.15	32
46.3	0.98	53.8	1.00	63.8	1.03	73.8	1.05	83.8	1.07	95.8	1.09	108.8	1.11	123.9	1.13	141.4	1.15	33
24.8	0.89	32.6	0.94	42.9	0.98	53.0	1.01	63.1	1.03	75.21	0.06	88.3	1.08	103.3	1.11	120.9	1.13	34
51.9	0.99	59.4	1.01	69.4	1.03	79.4	1.05	89.4	1.07	101.5	1.09	114.5	1.11	129.5	1.13	147.0	1.15	35
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
28.9	0.91	33.9	0.93	38.9	0.95	44.9	0.97	51.4	0.99	59.0	1.01	69.0	1.03	79.0	1.05	89.0	1.07	36
27.4	0.90	32.4	0.92	37.4	0.94	43.4	0.97	49.9	0.99	57.4	1.01	67.5	1.03	77.5	1.05	87.5	1.07	37
26.9	0.90	31.9	0.92	36.9	0.94	42.9	0.96	49.5	0.98	57.0	1.01	67.0	1.03	77.0	1.05	87.0	1.07	38
25.3	0.89	30.4	0.92	35.4	0.94	41.4	0.96	47.9	0.98	55.5	1.00	65.5	1.03	75.5	1.05	85.5	1.07	39
24.6	0.89	29.6	0.91	34.7	0.94	40.7	0.96	47.2	0.98	54.7	1.00	64.8	1.03	74.8	1.05	84.8	1.07	40
5VX850		**5VX950**		**5VX1060**		**5VX1180**		**5VX1320**		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		
18.5	0.85	23.7	0.89	29.3	0.92	35.4	0.95	42.4	0.97	51.5	1.00	61.5	1.02	71.6	1.05	82.6	1.07	41
—	—	19.3	0.86	25.1	0.90	31.2	0.93	38.3	0.96	47.4	0.99	57.5	1.02	67.6	1.04	78.6	1.06	42
30.6	0.91	35.6	0.94	41.1	0.96	47.1	0.98	54.2	1.00	63.2	1.02	73.2	1.04	83.2	1.06	94.2	1.08	43
28.8	0.91	33.9	0.93	39.4	0.95	45.4	0.97	52.4	0.99	61.4	1.02	71.4	1.04	81.4	1.06	92.4	1.08	44
25.0	0.89	30.0	0.92	35.6	0.94	41.6	0.96	48.6	0.99	57.7	1.01	67.7	1.03	77.7	1.05	88.7	1.07	45
5VX1000		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		**5V2500**		
31.3	0.93	37.4	0.95	43.9	0.97	51.5	1.00	61.5	1.02	71.5	1.04	81.5	1.06	93.5	1.08	106.5	1.10	46
28.2	0.91	34.3	0.94	40.9	0.96	48.4	0.99	58.4	1.02	68.5	1.04	78.5	1.06	90.5	1.08	103.5	1.10	47
20.2	0.86	26.4	0.91	33.1	0.94	40.7	0.97	50.8	1.00	60.9	1.03	71.0	1.05	83.0	1.07	96.0	1.09	48
—	—	22.6	0.88	29.4	0.92	37.1	0.96	47.2	0.99	57.3	1.02	67.4	1.04	79.5	1.07	92.5	1.09	49
39.3	0.95	45.3	0.97	51.8	0.99	59.4	1.01	69.4	1.03	79.4	1.05	89.4	1.07	104.4	1.09	114.4	1.11	50
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
25.5	0.89	30.5	0.92	35.6	0.94	41.6	0.96	48.1	0.98	55.6	1.00	65.6	1.03	75.6	1.05	85.6	1.07	51
23.7	0.88	28.7	0.91	33.8	0.93	39.8	0.96	46.3	0.98	53.9	1.00	63.9	1.02	73.9	1.05	83.9	1.07	52
17.9	0.85	23.0	0.88	28.1	0.91	34.2	0.94	40.8	0.96	48.3	0.99	58.4	1.02	68.4	1.04	78.4	1.06	53
24.7	0.89	29.7	0.91	34.8	0.94	40.8	0.96	47.3	0.98	54.8	1.00	64.8	1.03	74.8	1.05	84.9	1.07	54
21.3	0.87	26.4	0.90	31.4	0.92	37.5	0.95	44.0	0.97	51.5	1.00	61.6	1.02	71.6	1.04	81.6	1.06	55
5VX900		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		
26.1	0.90	31.2	0.92	37.2	0.95	43.8	0.97	51.3	0.99	61.3	1.02	71.3	1.04	81.4	1.06	93.4	1.08	56
—	—	20.0	0.86	26.3	0.90	32.9	0.94	40.6	0.97	50.7	1.00	60.7	1.03	70.8	1.05	82.8	1.07	57
33.8	0.93	38.8	0.95	44.8	0.97	51.3	0.99	58.8	1.01	68.8	1.03	78.8	1.05	88.8	1.07	100.8	1.09	58
30.5	0.92	35.5	0.94	41.5	0.96	48.0	0.98	55.5	1.00	65.5	1.03	75.6	1.05	85.6	1.07	97.6	1.09	59
27.6	0.91	32.6	0.93	38.7	0.95	45.2	0.98	52.7	1.00	62.8	1.02	72.8	1.04	82.8	1.06	94.8	1.08	60
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
26.4	0.90	31.4	0.92	36.4	0.94	42.5	0.96	49.0	0.98	56.5	1.00	66.5	1.03	76.5	1.05	86.5	1.07	61
28.2	0.90	33.2	0.93	38.2	0.95	44.2	0.97	50.7	0.99	58.2	1.01	68.2	1.03	78.3	1.05	88.3	1.07	62
27.1	0.90	32.1	0.92	37.2	0.94	43.2	0.96	49.7	0.98	57.2	1.01	67.2	1.03	77.2	1.05	87.2	1.07	63
25.6	0.89	30.6	0.92	35.6	0.94	41.7	0.96	48.2	0.98	55.7	1.00	65.7	1.03	75.7	1.05	85.7	1.07	64
24.0	0.88	29.1	0.91	34.1	0.93	40.1	0.96	46.7	0.98	54.2	1.00	64.2	1.03	74.2	1.05	84.2	1.07	65
5VX850		**5VX950**		**5VX1060**		**5VX1180**		**5VX1320**		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		
23.7	0.88	28.7	0.91	34.3	0.94	40.3	0.96	47.4	0.98	56.4	1.01	66.4	1.03	76.4	1.05	87.4	1.07	66
17.4	0.84	22.6	0.88	28.2	0.91	34.3	0.94	41.4	0.97	50.5	1.00	60.6	1.02	70.6	1.04	81.6	1.07	67
—	—	19.5	0.86	25.3	0.90	31.4	0.93	38.6	0.96	47.7	0.99	57.7	1.02	67.8	1.04	78.8	1.06	68
24.4	0.89	29.5	0.91	35.0	0.94	41.0	0.96	48.1	0.98	57.1	1.01	67.1	1.03	77.1	1.05	88.2	1.07	69
18.7	0.85	23.9	0.89	29.5	0.92	35.6	0.94	42.7	0.97	51.7	1.00	61.8	1.02	71.8	1.05	82.8	1.07	70
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
27.0	0.90	32.1	0.92	37.1	0.94	43.1	0.96	49.6	0.98	57.1	1.01	67.1	1.03	77.1	1.05	87.2	1.07	71
25.5	0.89	30.5	0.92	35.6	0.94	41.6	0.96	48.1	0.98	55.6	1.00	65.6	1.03	75.6	1.05	85.6	1.07	72
29.1	0.90	34.1	0.93	39.1	0.95	45.1	0.97	51.6	0.99	59.1	1.01	69.1	1.03	79.1	1.05	89.1	1.07	73
27.5	0.90	32.5	0.92	37.6	0.94	43.6	0.96	50.1	0.99	57.6	1.01	67.6	1.03	77.6	1.05	87.6	1.07	74
26.5	0.89	31.5	0.92	36.5	0.94	42.5	0.96	49.1	0.98	56.6	1.00	66.6	1.03	76.6	1.05	86.6	1.07	75

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Pitch Diameter Driver	Pitch Diameter Driven	Type Fix.	Type Var.	Nominal Driven Speeds and Horsepower per Belt — 1750 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	1160 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	Center Distance in Inches and "F" Factor for Browning Belts: Belt No.	C.D.	F	Belt No.	C.D.	F	Belt No.	C.D.	F
														5VX500			5VX600			5VX710		
1	2.20	2	4	6.2	13.7	x	—	795	—	18.16	527	—	12.76	—	—		13.9	0.81		19.5	0.85	
2	2.20	2	4	6.3	13.9	x	—	795	—	18.60	527	—	13.08	—	—		13.6	0.80		19.3	0.85	
3	2.20	2	4	8.4	18.5	x	x	795	23.05	27.61	527	16.78	19.49	—	—		—	—		—	—	
4	2.20	1	4	9.1	20.1	x	—	795	25.68	30.49	527	18.78	21.57	—	—		—	—		—	—	
5	2.21	2	4	7.0	15.5	x	x	791	17.49	21.67	524	12.67	15.24	—	—		—	—		17.3	0.84	
														5VX530			5VX670			5VX800		
6	2.21	2	10	8.4	18.6	x	x	791	23.05	27.61	524	16.78	19.49	—	—		—	—		18.1	0.84	
7	2.22	2	4	5.9	13.1	x	—	788	—	16.82	522	—	11.83	11.0	0.77		18.2	0.84		24.8	0.89	
8	2.22	2	4	6.7	14.9	x	—	788	—	20.36	522	—	14.32	—	—		16.0	0.83		22.7	0.88	
9	2.22	2	4	9.5	21.1	x	x	788	27.13	32.10	522	19.90	22.75	—	—		—	—		—	—	
10	2.22	5	10	11.2	24.9	x	—	788	32.93	38.68	522	24.55	27.66	—	—		—	—		—	—	
														5VX560			5VX750			5VX900		
11	2.23	2	4	7.1	15.9	x	—	784	17.90	22.10	520	12.97	15.55	—	—		18.9	0.85		26.6	0.90	
12	2.23	1	4	12.5	27.9	x	x	784	36.89	43.40	520	27.94	31.31	—	—		—	—		—	—	
13	2.24	1	4	6.1	13.7	x	—	781	—	17.71	517	—	12.45	11.8	0.78		21.6	0.87		29.2	0.91	
14	2.24	2	6	6.2	13.9	x	—	781	—	18.16	517	—	12.76	11.6	0.78		21.4	0.87		29.0	0.91	
15	2.24	1	4	6.9	15.5	x	—	781	—	21.23	517	—	14.93	—	—		19.4	0.85		27.1	0.90	
														5VX530			5VX670			5VX800		
16	2.24	2	4	11.2	25.1	x	—	781	32.93	38.68	517	24.55	27.66	—	—		—	—		—	—	
17	2.25	2	6	4.3	9.7	x	—	777	—	9.49	515	—	6.73	15.3	0.81		22.3	0.87		28.9	0.90	
18	2.25	2	6	4.8	10.8	x	—	777	—	11.81	515	—	8.34	13.9	0.80		21.0	0.86		27.6	0.90	
19	2.25	2	4	5.5	12.4	x	—	777	—	15.02	515	—	10.57	12.0	0.78		19.1	0.85		25.7	0.89	
20	2.25	2	6	5.8	13.1	x	—	777	—	16.37	515	—	11.51	11.1	0.77		18.3	0.84		24.9	0.89	
														5VX600			5VX800			5VX1000		
21	2.25	2	6	6.6	14.9	x	—	777	—	19.92	515	—	14.01	12.4	0.79		22.7	0.88		32.9	0.93	
22	2.25	2	4	8.9	20.1	x	—	777	24.93	29.67	515	18.21	20.98	—	—		16.3	0.83		26.6	0.90	
23	2.25	2	10	12.4	27.9	x	—	777	36.60	43.04	515	27.68	31.03	—	—		—	—		—	—	
24	2.25	3	10	13.9	31.4	x	—	777	40.65	48.15	515	31.43	35.11	—	—		—	—		—	—	
25	2.26	2	6	4.5	10.2	x	—	774	—	10.42	513	—	7.38	18.2	0.84		28.3	0.90		38.4	0.94	
														5VX530			5VX670			5VX800		
26	2.26	1	4	4.9	11.1	x	—	774	—	12.28	513	—	8.66	13.6	0.80		20.7	0.86		27.3	0.90	
27	2.26	1	4	7.1	16.1	x	—	774	17.90	22.10	513	12.97	15.55	—	—		14.6	0.81		21.3	0.87	
28	2.26	1	4	11.1	25.1	x	—	774	32.60	38.30	513	24.28	27.38	—	—		—	—		—	—	
29	2.27	1	4	5.5	12.5	x	—	770	—	15.02	511	—	10.57	11.9	0.78		19.0	0.85		25.6	0.89	
30	2.27	2	4	6.1	13.9	x	—	770	—	17.71	511	—	12.45	—	—		17.4	0.84		24.0	0.88	
														5VX500			5VX600			5VX710		
31	2.27	2	8	7.0	15.9	x	x	770	17.49	21.67	511	12.67	15.24	—	—		—	—		16.9	0.83	
32	2.28	2	4	4.9	11.2	x	—	767	—	12.28	508	—	8.66	11.9	0.78		17.1	0.83		22.6	0.87	
33	2.28	1	4	8.1	18.5	x	—	767	21.89	26.36	508	15.91	18.59	—	—		—	—		—	—	
34	2.29	2	4	4.7	10.8	x	—	764	—	11.35	506	—	8.02	12.5	0.79		17.6	0.83		23.1	0.87	
35	2.29	2	6	5.1	11.7	x	—	764	—	13.19	506	—	9.30	11.3	0.77		16.5	0.83		22.1	0.87	
														5VX500			5VX600			5VX710		
36	2.29	2	6	5.4	12.4	x	—	764	—	14.56	506	—	10.25	10.4	0.76		15.6	0.82		21.2	0.86	
37	2.29	2	4	5.7	13.1	x	—	764	—	15.92	506	—	11.20	—	—		14.8	0.81		20.4	0.86	
38	2.29	2	4	6.5	14.9	x	—	764	—	19.48	506	—	13.70	—	—		12.5	0.79		18.2	0.84	
39	2.29	2	4	7.0	16.1	x	x	764	17.49	21.67	506	12.67	15.24	—	—		—	—		16.7	0.83	
40	2.29	2	4	8.1	18.6	x	—	764	21.89	26.36	506	15.91	18.59	—	—		—	—		—	—	
														5VX600			5VX800			5VX1000		
41	2.29	2	10	9.2	21.1	x	—	764	26.04	30.89	506	19.06	21.87	—	—		—	—		25.5	0.89	
42	2.29	3	4	13.7	31.4	x	—	764	40.14	47.49	506	30.94	34.58	—	—		—	—		—	—	
43	2.30	2	4	6.9	15.9	x	—	760	—	21.23	504	—	14.93	—	—		21.6	0.87		31.8	0.92	
44	2.30	2	10	10.2	23.5	x	—	760	29.60	34.86	504	21.84	24.79	—	—		—	—		22.6	0.87	
45	2.30	5	10	10.8	24.9	x	—	760	31.62	37.17	504	23.48	26.52	—	—		—	—		20.8	0.86	
														5VX500			5VX600			5VX710		
46	2.31	2	4	4.8	11.1	x	—	757	—	11.81	502	—	8.34	12.1	0.78		17.2	0.83		22.8	0.87	
47	2.31	2	4	5.4	12.5	x	—	757	—	14.56	502	—	10.25	10.3	0.76		15.5	0.82		21.2	0.86	
48	2.31	1	4	6.7	15.5	x	—	757	—	20.36	502	—	14.32	—	—		11.8	0.78		17.5	0.84	
49	2.31	1	4	8.7	20.1	x	—	757	24.19	28.85	502	17.64	20.39	—	—		—	—		—	—	
50	2.31	2	4	9.1	21.1	x	—	757	25.68	30.49	502	18.78	21.57	—	—		—	—		—	—	
														5VX600			5VX850			5VX1060		
51	2.32	1	4	5.9	13.7	x	—	754	—	16.82	500	—	11.83	14.1	0.80		26.8	0.90		37.4	0.94	
52	2.32	2	4	10.8	25.1	x	—	754	31.62	37.17	500	23.48	26.52	—	—		—	—		23.7	0.88	
53	2.32	3	4	16.1	37.4	x	—	—	—	—	500	36.53	40.85	—	—		—	—		—	—	
54	2.33	2	6	4.8	11.2	x	—	751	—	11.81	497	—	8.34	17.1	0.83		29.8	0.91		40.3	0.95	
55	2.33	2	4	5.3	12.4	x	—	751	—	14.11	497	—	9.93	15.7	0.82		28.4	0.90		38.9	0.95	
														5VX500			5VX600			5VX710		
56	2.33	1	4	6.9	16.1	x	—	751	—	21.23	497	—	14.93	—	—		—	—		16.8	0.83	
57	2.34	2	4	6.6	15.5	x	—	747	—	19.92	495	—	14.01	—	—		11.8	0.77		17.6	0.84	
58	2.34	2	4	7.9	18.5	x	—	747	21.11	25.52	495	15.33	17.98	—	—		—	—		—	—	
59	2.35	1	4	5.3	12.5	x	—	744	—	14.11	493	—	9.93	10.4	0.76		15.6	0.82		21.2	0.86	
60	2.35	2	4	5.9	13.9	x	—	744	—	16.82	493	—	11.83	—	—		13.9	0.80		19.5	0.85	
														5VX600			5VX850			5VX1060		
61	2.35	2	10	7.9	18.6	x	—	744	21.11	25.52	493	15.33	17.98	—	—		21.0	0.86		31.7	0.92	
62	2.35	3	10	15.9	37.4	x	—	—	—	—	493	36.09	40.34	—	—		—	—		—	—	
63	2.36	1	4	4.7	11.1	x	—	741	—	11.35	491	—	8.02	17.3	0.83		29.9	0.91		40.5	0.95	
64	2.36	2	4	5.8	13.7	x	—	741	—	16.37	491	—	11.51	14.1	0.80		26.9	0.90		37.5	0.94	
65	2.36	2	4	6.3	14.9	x	—	741	—	18.60	491	—	13.08	12.6	0.79		25.5	0.89		36.1	0.94	
														5VX600			5VX850			5VX1060		
66	2.36	3	10	21.1	49.9	x	—	—	—	—	491	46.20	52.60	—	—		—	—		—	—	
67	2.37	2	6	4.3	10.2	x	—	738	—	9.49	489	—	6.73	18.4	0.84		31.0	0.91		41.5	0.95	
68	2.37	2	4	6.7	15.9	x	—	738	—	20.36	489	18.21	14.32	—	—		24.3	0.88		35.0	0.94	
69	2.37	2	10	8.9	21.1	x	—	738	24.93	29.67	489	—	20.98	—	—		17.9	0.84		28.8	0.91	
70	2.38	2	4	4.7	11.2	x	—	735	—	11.35	487	—	8.02	17.2	0.83		29.8	0.91		40.4	0.95	
														5VX560			5VX750			5VX900		
71	2.38	2	4	4.9	11.7	x	—	735	—	12.28	487	—	8.66	14.6	0.81		24.2	0.88		31.8	0.92	
72	2.38	2	4	5.5	13.1	x	—	735	—	15.02	487	—	10.57	12.8	0.79		22.6	0.87		30.2	0.91	
73	2.38	1	4	6.6	15.5	x	—	735	—	19.48	487	—	13.70	—	—		19.7	0.85		27.4	0.90	
74	2.38	2	10	11.7	27.9	x	—	735	34.50	40.53	487	25.87	29.08	—	—		—	—		—	—	
75	2.39	2	6	5.8	13.9	x	—	732	—	16.37	485	—	11.51	11.8	0.77		21.7	0.86		29.3	0.91	

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc–Length Factor (F) using Browning Belts

Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
24.1	0.88	29.1	0.91	34.2	0.93	40.2	0.96	46.7	0.98	54.2	1.00	64.3	1.02	74.3	1.05	84.3	1.07	1
23.8	0.88	28.9	0.91	33.9	0.93	40.0	0.96	46.5	0.98	54.0	1.00	64.0	1.02	74.0	1.05	84.1	1.07	2
18.2	0.85	23.3	0.88	28.4	0.91	34.5	0.94	41.1	0.96	48.6	0.99	58.7	1.02	68.7	1.04	78.7	1.06	3
16.1	0.83	21.4	0.87	26.5	0.90	32.6	0.93	39.2	0.96	46.8	0.98	56.8	1.01	66.9	1.04	76.9	1.06	4
21.9	0.87	27.0	0.90	32.1	0.93	38.1	0.95	44.6	0.97	52.2	1.00	62.2	1.02	72.2	1.04	82.2	1.06	5
5VX900		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		
23.2	0.88	28.3	0.91	34.4	0.94	41.0	0.96	48.5	0.99	58.6	1.01	68.6	1.04	78.6	1.06	90.7	1.08	6
29.9	0.91	34.9	0.94	40.9	0.96	47.4	0.98	55.0	1.00	65.0	1.03	75.0	1.05	85.0	1.07	97.0	1.09	7
27.7	0.90	32.8	0.93	38.8	0.95	45.4	0.97	52.9	1.00	62.9	1.02	72.9	1.04	82.9	1.06	95.0	1.08	8
20.1	0.86	25.3	0.89	31.4	0.93	38.0	0.95	45.6	0.98	55.7	1.01	65.7	1.03	75.8	1.05	87.8	1.08	9
—	—	20.5	0.86	26.8	0.90	33.5	0.94	41.1	0.97	51.2	1.00	61.3	1.02	71.3	1.05	83.4	1.07	10
5VX1000		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		**5V2500**		
31.6	0.92	37.7	0.95	44.2	0.97	51.8	0.99	61.8	1.02	71.8	1.04	81.8	1.06	93.8	1.08	106.9	1.10	11
—	—	23.0	0.88	29.8	0.92	37.5	0.95	47.7	0.99	57.8	1.02	67.8	1.04	79.9	1.06	93.0	1.09	12
34.2	0.93	40.3	0.96	46.8	0.98	54.3	1.00	64.3	1.02	74.4	1.05	84.4	1.07	96.4	1.09	109.4	1.10	13
34.0	0.93	40.0	0.96	46.6	0.98	54.1	1.00	64.1	1.02	74.1	1.05	84.1	1.06	96.1	1.09	109.2	1.10	14
32.1	0.93	38.2	0.95	44.7	0.97	52.2	1.00	62.3	1.02	72.3	1.04	82.3	1.06	94.3	1.08	107.3	1.10	15
5VX900		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		
—	—	20.3	0.86	26.6	0.90	33.3	0.94	40.9	0.97	51.0	1.00	61.1	1.02	71.2	1.05	83.2	1.07	16
33.9	0.93	38.9	0.95	44.9	0.97	51.4	0.99	58.9	1.01	69.0	1.03	79.0	1.05	89.0	1.07	101.0	1.09	17
32.6	0.92	37.6	0.94	43.7	0.96	50.2	0.98	57.7	1.01	67.7	1.03	77.7	1.05	87.7	1.07	99.7	1.09	18
30.8	0.92	35.8	0.94	41.8	0.96	48.3	0.98	55.8	1.00	65.9	1.03	75.9	1.05	85.9	1.07	97.9	1.09	19
29.9	0.91	35.0	0.93	41.0	0.96	47.5	0.98	55.0	1.00	65.1	1.03	75.1	1.05	85.1	1.07	97.1	1.09	20
5VX1250		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		**5V2500**		**5V2800**		**5V3150**		
45.4	0.97	53.0	1.00	63.0	1.02	73.0	1.04	83.0	1.06	95.0	1.08	108.0	1.10	123.1	1.12	140.6	1.14	21
39.3	0.96	46.9	0.98	57.0	1.01	67.0	1.03	77.0	1.06	89.1	1.08	102.1	1.10	117.1	1.12	134.6	1.14	22
29.9	0.92	37.6	0.95	47.7	0.99	57.8	1.02	67.9	1.04	80.0	1.06	93.0	1.09	108.1	1.11	125.6	1.13	23
25.4	0.89	33.3	0.93	43.6	0.98	53.7	1.01	63.8	1.03	75.9	1.06	89.0	1.08	104.1	1.10	121.6	1.13	24
50.9	0.99	58.4	1.01	68.4	1.03	78.4	1.05	88.4	1.07	100.4	1.09	113.4	1.11	128.4	1.13	145.9	1.15	25
5VX900		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		
32.3	0.92	37.3	0.94	43.3	0.96	49.8	0.98	57.4	1.00	67.4	1.03	77.4	1.05	87.4	1.07	99.4	1.09	26
26.4	0.90	31.5	0.92	37.5	0.95	44.1	0.97	51.6	0.99	61.6	1.02	71.6	1.04	81.7	1.06	93.7	1.08	27
—	—	20.4	0.86	26.7	0.90	33.3	0.93	41.0	0.97	51.1	1.00	61.2	1.02	71.2	1.05	83.3	1.07	28
30.7	0.92	35.7	0.94	41.7	0.96	48.2	0.98	55.8	1.00	65.8	1.03	75.8	1.05	85.8	1.07	97.8	1.09	29
29.0	0.91	34.1	0.93	40.1	0.96	46.6	0.98	54.2	1.00	64.2	1.02	74.2	1.05	84.2	1.06	96.2	1.09	30
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
21.6	0.87	26.7	0.90	31.7	0.92	37.8	0.95	44.3	0.97	51.8	0.99	61.9	1.02	71.9	1.04	81.9	1.06	31
27.2	0.90	32.2	0.92	37.2	0.94	43.2	0.96	49.8	0.98	57.3	1.00	67.3	1.03	77.3	1.05	87.3	1.07	32
18.4	0.84	23.5	0.88	28.6	0.91	34.7	0.94	41.3	0.96	48.8	0.99	58.9	1.01	68.9	1.04	78.9	1.06	33
27.7	0.90	32.7	0.92	37.7	0.94	43.7	0.96	50.2	0.98	57.8	1.01	67.8	1.03	77.8	1.05	87.8	1.07	34
26.6	0.89	31.6	0.92	36.7	0.94	42.7	0.96	49.2	0.98	56.7	1.00	66.7	1.03	76.7	1.05	86.7	1.07	35
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
25.8	0.89	30.8	0.92	35.9	0.94	41.9	0.96	48.4	0.98	55.9	1.00	65.9	1.03	75.9	1.05	86.0	1.07	36
25.0	0.89	30.0	0.91	35.0	0.93	41.1	0.96	47.6	0.98	55.1	1.00	65.1	1.03	75.2	1.05	85.2	1.07	37
22.8	0.88	27.9	0.90	32.9	0.93	39.0	0.95	45.5	0.97	53.0	1.00	63.1	1.02	73.1	1.04	83.1	1.06	38
21.4	0.87	26.5	0.90	31.5	0.92	37.6	0.95	44.1	0.97	51.7	0.99	61.7	1.02	71.7	1.04	81.7	1.06	39
18.3	0.84	23.5	0.88	28.6	0.91	34.6	0.94	41.2	0.96	48.8	0.99	58.8	1.01	68.8	1.04	78.9	1.06	40
5VX1250		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		**5V2500**		**5V2800**		**5V3150**		
38.3	0.95	45.8	0.98	55.9	1.01	65.9	1.03	76.0	1.05	88.0	1.08	101.0	1.10	116.1	1.12	133.6	1.14	41
25.6	0.89	33.4	0.93	43.7	0.97	53.9	1.01	64.0	1.03	76.1	1.06	89.2	1.08	104.2	1.10	121.8	1.13	42
44.4	0.97	51.9	0.99	61.9	1.02	72.0	1.04	82.0	1.06	94.0	1.08	107.0	1.10	122.0	1.12	139.5	1.14	43
35.4	0.94	43.0	0.97	53.1	1.00	63.2	1.03	73.2	1.05	85.3	1.07	98.3	1.09	113.4	1.11	130.9	1.14	44
33.7	0.94	41.4	0.97	51.5	1.00	61.6	1.02	71.6	1.05	83.7	1.07	96.7	1.09	111.8	1.11	129.3	1.13	45
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
27.3	0.90	32.4	0.92	37.4	0.94	43.4	0.96	49.9	0.98	57.4	1.00	67.4	1.03	77.5	1.05	87.5	1.07	46
25.7	0.89	30.7	0.91	35.8	0.94	41.8	0.96	48.3	0.98	55.8	1.00	65.9	1.03	75.6	1.05	85.9	1.07	47
22.1	0.87	27.2	0.90	32.3	0.92	38.3	0.95	44.9	0.97	52.4	0.99	62.4	1.02	72.4	1.04	82.5	1.06	48
16.4	0.82	21.6	0.87	26.8	0.90	32.9	0.93	39.5	0.96	47.0	0.98	57.1	1.01	67.2	1.03	77.2	1.05	49
—	—	20.4	0.86	25.6	0.89	31.7	0.92	38.3	0.95	45.9	0.98	56.0	1.01	66.0	1.03	76.1	1.05	50
5VX1320		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		**5V2360**		**5V2650**		**5V3000**		**5V3350**		
50.5	0.99	59.5	1.01	69.5	1.04	79.5	1.06	90.5	1.08	102.5	1.09	117.0	1.11	134.6	1.14	152.1	1.16	51
37.1	0.95	46.3	0.98	56.4	1.01	66.4	1.03	77.5	1.06	89.5	1.08	104.1	1.10	121.6	1.13	139.1	1.15	52
—	—	31.2	0.92	41.6	0.97	51.9	1.00	63.1	1.03	75.2	1.06	89.9	1.08	107.5	1.11	125.0	1.13	53
53.3	0.99	62.4	1.02	72.4	1.04	82.4	1.06	93.4	1.08	105.4	1.10	119.9	1.12	137.4	1.14	154.9	1.16	54
52.0	0.99	61.0	1.01	71.0	1.04	81.0	1.06	92.0	1.08	104.0	1.10	118.6	1.12	136.1	1.14	153.6	1.16	55
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
21.5	0.87	26.5	0.90	31.6	0.92	37.7	0.95	44.2	0.97	51.7	0.99	61.8	1.02	71.8	1.04	81.8	1.06	56
22.2	0.87	27.3	0.90	32.3	0.92	38.4	0.95	44.9	0.97	52.5	0.99	62.5	1.02	72.5	1.04	82.5	1.06	57
18.5	0.84	23.7	0.88	28.8	0.91	34.9	0.94	41.4	0.96	49.0	0.99	59.0	1.01	69.1	1.04	79.1	1.06	58
25.8	0.89	30.8	0.91	35.8	0.94	41.9	0.96	48.4	0.98	55.9	1.00	65.9	1.03	75.9	1.05	86.0	1.07	59
24.1	0.88	29.2	0.91	34.2	0.93	40.3	0.95	46.8	0.98	54.3	1.00	64.3	1.02	74.3	1.05	84.4	1.06	60
5VX1320		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		**5V2360**		**5V2650**		**5V3000**		**5V3350**		
44.9	0.97	53.9	1.00	64.0	1.03	74.0	1.05	85.0	1.07	97.1	1.09	111.6	1.11	129.1	1.13	146.6	1.15	61
—	—	31.3	0.92	41.8	0.96	52.0	1.00	63.2	1.03	75.4	1.06	90.0	1.08	107.6	1.11	125.2	1.13	62
53.5	0.99	62.5	1.02	72.5	1.04	82.5	1.06	93.5	1.08	105.5	1.10	120.1	1.12	137.6	1.14	155.1	1.16	63
50.5	0.99	59.6	1.01	69.6	1.04	79.6	1.06	90.6	1.08	102.6	1.09	117.1	1.11	134.6	1.14	152.1	1.16	64
49.2	0.98	58.2	1.01	68.2	1.03	78.2	1.05	89.3	1.07	101.3	1.09	115.8	1.11	133.3	1.14	150.8	1.15	65
5VX1320		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		**5V2360**		**5V2650**		**5V3000**		**5V3350**		
—	—	—	—	—	—	36.4	0.93	48.1	0.98	60.6	1.02	75.4	1.06	93.2	1.09	110.8	1.12	66
54.5	1.00	63.5	1.02	73.6	1.04	83.6	1.06	94.6	1.08	106.6	1.10	121.1	1.12	138.6	1.14	156.1	1.16	67
48.0	0.98	57.1	1.01	67.1	1.03	77.1	1.05	88.1	1.07	100.2	1.09	114.7	1.11	132.2	1.13	149.7	1.15	68
42.0	0.96	51.1	0.99	61.1	1.02	71.2	1.04	82.2	1.06	94.3	1.08	108.8	1.11	126.3	1.13	143.8	1.15	69
53.4	0.99	62.4	1.02	72.4	1.04	82.5	1.06	93.5	1.08	105.5	1.10	120.0	1.12	137.5	1.14	155.0	1.16	70
5VX1000		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		**5V2500**		
36.6	0.94	42.8	0.96	49.4	0.96	56.9	1.00	66.9	1.03	76.9	1.05	86.9	1.07	98.9	1.09	111.9	1.11	71
35.2	0.93	41.2	0.96	47.7	0.98	55.3	1.00	65.3	1.02	75.3	1.05	85.3	1.07	97.3	1.09	110.3	1.10	72
32.4	0.92	38.5	0.95	45.0	0.97	52.5	0.99	62.6	1.02	72.6	1.04	82.6	1.06	94.6	1.08	107.6	1.10	73
—	—	23.5	0.87	30.3	0.92	38.1	0.95	48.2	0.99	58.4	1.02	68.4	1.04	80.5	1.06	93.6	1.09	74
34.3	0.93	40.3	0.95	46.9	0.98	54.4	1.00	64.4	1.02	74.4	1.04	84.4	1.06	96.5	1.08	109.5	1.10	75

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For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Pitch Diameter Driver	Pitch Diameter Driven	Type Fix.	Type Var.	Nominal Driven Speeds and Horsepower per Belt — 1750 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	1160 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	Center Distance in Inches and "F" Factor for Browning Belts: Belt No.	C.D.	F	Belt No.	C.D.	F	Belt No.	C.D.	F
														5VX600			5VX800			5VX1000		
1	2.39	2	4	8.4	20.1	x	x	732	23.05	27.61	485	16.78	19.49	—	—		16.6	0.82		27.0	0.90	
2	2.39	3	10	13.1	31.4	x	—	732	38.56	45.48	485	29.46	32.95	—	—		—	—		—	—	
3	2.40	2	6	4.5	10.8	x	—	729	—	10.42	483	—	7.68	17.7	0.83		27.8	0.90		37.9	0.94	
4	2.40	1	4	5.7	13.7	x	—	729	—	15.92	483	—	11.20	14.2	0.80		24.4	0.88		34.5	0.93	
5	2.40	2	6	6.2	14.9	x	—	729	—	18.16	483	—	12.76	12.7	0.78		23.0	0.87		33.2	0.93	
														5VX600			5VX850			5VX1060		
6	2.40	2	6	6.6	15.9	x	—	729	—	19.92	483	—	14.01	—	—		24.4	0.88		35.0	0.93	
7	2.40	1	4	6.7	16.1	x	—	729	—	20.36	483	—	14.32	—	—		24.1	0.88		34.8	0.93	
8	2.41	3	4	15.5	37.4	x	—	—	—	—	481	35.19	39.32	—	—		—	—		—	—	
9	2.42	2	6	5.4	13.1	x	—	723	—	14.56	479	—	10.25	15.0	0.81		27.7	0.90		38.3	0.95	
10	2.42	2	4	8.7	21.1	x	—	723	24.19	28.85	479	17.64	20.39	—	—		18.0	0.83		28.9	0.91	
														5VX500			5VX600			5VX710		
11	2.42	2	10	9.7	23.5	x	—	723	27.85	32.90	479	20.46	23.34	11.5	0.77		—	—		—	—	
12	2.43	2	6	4.8	11.7	x	—	720	—	11.81	477	—	8.34	10.6	0.76		16.7	0.82		22.3	0.87	
13	2.43	2	6	5.1	12.4	x	—	720	—	13.19	477	—	9.30	—	—		15.8	0.82		21.5	0.86	
14	2.43	2	4	5.7	13.9	x	—	720	—	15.92	477	—	11.20	—	—		14.0	0.80		19.7	0.85	
15	2.43	2	4	6.6	16.1	x	—	720	—	19.92	477	—	14.01	—	—		—	—		17.0	0.83	
														5VX500			5VX630			5VX750		
16	2.44	2	4	6.1	14.9	x	—	717	—	17.71	475	—	12.45	—	—		14.3	0.80		20.5	0.86	
17	2.44	2	4	6.5	15.9	x	—	717	—	19.48	475	—	13.70	—	—		13.1	0.79		19.3	0.85	
18	2.44	5	10	10.2	24.9	x	—	717	29.60	34.86	475	21.84	24.79	—	—		—	—		—	—	
19	2.45	1	4	5.1	12.5	x	—	714	—	13.19	473	—	9.30	10.5	0.76		17.3	0.83		23.4	0.87	
20	2.46	1	4	4.5	11.1	x	—	711	—	10.42	471	—	7.38	12.3	0.78		19.0	0.84		25.0	0.88	
														5VX530			5VX670			5VX800		
21	2.46	1	4	6.3	15.5	x	—	711	—	18.60	471	—	13.08	—	—		15.7	0.82		22.4	0.87	
22	2.46	1	4	7.5	18.5	x	—	711	19.52	23.82	471	14.16	16.77	—	—		—	—		18.8	0.84	
23	2.46	2	4	10.2	25.1	x	—	711	29.60	34.86	471	21.84	24.79	—	—		—	—		—	—	
24	2.47	2	4	5.3	13.1	x	—	708	—	14.11	469	—	9.93	11.4	0.77		18.6	0.84		25.3	0.88	
25	2.47	1	4	6.5	16.1	x	—	708	—	19.48	469	—	13.70	—	—		15.0	0.81		21.7	0.86	
														5VX500			5VX600			5VX710		
26	2.47	1	4	9.5	23.5	x	x	708	27.13	32.10	469	19.90	22.75	—	—		—	—		—	—	
27	2.48	2	6	4.5	11.2	x	—	705	—	10.42	467	—	7.38	12.2	0.78		17.4	0.83		22.9	0.87	
28	2.48	2	4	4.7	11.7	x	—	705	—	11.35	467	—	8.02	11.6	0.77		16.8	0.82		22.4	0.87	
29	2.48	2	4	7.5	18.6	x	—	705	19.52	23.82	467	14.16	16.77	—	—		—	—		13.9	0.79	
30	2.48	1	4	8.1	20.1	x	—	705	21.89	26.36	467	15.91	18.59	—	—		—	—		—	—	
														5VX600			5VX850			5VX1060		
31	2.48	3	4	20.1	49.9	x	—	—	—	—	467	44.50	50.40	—	—		—	—		—	—	
32	2.49	1	4	5.5	13.7	x	—	702	—	15.02	465	—	10.57	14.3	0.80		27.1	0.89		37.7	0.94	
33	2.49	2	10	11.2	27.9	x	—	702	32.93	38.68	465	24.55	27.66	—	—		—	—		20.6	0.85	
34	2.50	2	4	6.2	15.5	x	—	700	—	18.16	464	—	12.76	12.1	0.77		25.0	0.88		35.7	0.94	
35	2.50	2	4	7.4	18.5	x	x	700	19.12	23.39	464	13.86	16.46	—	—		21.5	0.86		32.2	0.92	
														5VX600			5VX800			5VX1000		
36	2.51	2	6	4.3	10.8	x	—	697	—	9.49	462	—	6.73	17.9	0.83		28.0	0.90		38.0	0.94	
37	2.51	2	8	7.4	18.6	x	x	697	19.12	23.39	462	13.86	16.46	—	—		18.8	0.84		29.1	0.91	
38	2.51	2	10	8.4	21.1	x	x	697	23.05	27.61	462	16.78	19.49	—	—		15.6	0.81		26.1	0.89	
39	2.51	1	4	11.1	27.9	x	—	697	32.60	38.30	462	24.28	27.38	—	—		—	—		—	—	
40	2.51	3	4	12.5	31.4	x	x	697	36.89	43.40	462	27.94	31.31	—	—		—	—		—	—	
														5VX600			5VX850			5VX1060		
41	2.51	3	10	14.9	37.4	x	—	—	—	—	462	33.81	37.76	—	—		—	—		—	—	
42	2.52	2	4	5.5	13.9	x	—	694	—	15.02	460	—	10.57	14.1	0.80		26.9	0.89		37.5	0.94	
43	2.52	2	4	5.9	14.9	x	—	694	—	16.82	460	—	11.83	12.9	0.78		25.8	0.89		36.4	0.94	
44	2.52	2	4	6.3	15.9	x	—	694	—	18.60	460	—	13.08	—	—		24.6	0.88		35.2	0.93	
45	2.53	2	4	4.9	12.4	x	—	691	—	12.28	458	—	8.66	16.0	0.82		28.7	0.90		39.2	0.95	
														5VX600			5VX800			5VX1000		
46	2.53	2	4	5.4	13.7	x	—	691	—	14.56	458	—	10.25	14.4	0.80		24.7	0.88		34.8	0.93	
47	2.53	3	10	12.4	31.4	x	—	691	36.60	43.04	458	27.68	31.03	—	—		—	—		—	—	
48	2.54	1	4	6.1	15.5	x	—	688	—	17.71	456	—	12.45	12.1	0.77		22.6	0.87		32.7	0.92	
49	2.54	2	4	7.9	20.1	x	—	688	21.11	25.52	456	15.33	17.98	—	—		16.9	0.82		27.3	0.90	
50	2.55	1	4	4.9	12.5	x	—	686	—	12.28	454	—	8.66	15.9	0.81		26.1	0.89		36.1	0.93	
														5VX500			5VX600			5VX710		
51	2.55	1	4	6.3	16.1	x	—	686	—	18.60	454	—	13.08	—	—		—	—		17.2	0.83	
52	2.55	2	10	9.2	23.5	x	—	686	26.04	30.89	454	19.06	21.87	—	—		—	—		—	—	
53	2.56	2	6	5.1	13.1	x	—	683	—	13.19	453	—	9.30	9.9	0.74		15.2	0.81		20.8	0.85	
54	2.56	2	6	5.8	14.9	x	—	683	—	16.37	453	—	11.51	—	—		13.0	0.78		18.7	0.84	
55	2.56	2	6	6.2	15.9	x	—	683	—	18.16	453	—	12.76	—	—		—	—		17.5	0.83	
														5VX500			5VX630			5VX750		
56	2.56	5	10	9.7	24.9	x	—	683	27.85	32.90	453	20.46	23.34	—	—		—	—		—	—	
57	2.57	2	6	5.4	13.9	x	—	680	—	14.56	451	—	10.25	—	—		15.8	0.81		21.9	0.86	
58	2.58	1	4	4.3	11.1	x	—	678	—	9.49	449	—	6.73	12.4	0.78		19.1	0.84		25.2	0.88	
59	2.58	2	6	4.8	12.4	x	—	678	—	11.81	449	—	8.34	10.8	0.76		17.6	0.83		23.7	0.87	
60	2.58	1	4	5.3	13.7	x	—	678	—	14.11	449	—	9.93	—	—		16.0	0.82		22.2	0.86	
														5VX530			5VX710			5VX850		
61	2.58	1	4	9.1	23.5	x	—	678	25.68	30.49	449	18.78	21.57	—	—		—	—		—	—	
62	2.58	2	4	9.7	25.1	x	—	678	27.85	32.90	449	20.46	23.34	—	—		—	—		—	—	
63	2.58	2	10	10.8	27.9	x	—	678	31.62	37.17	449	23.48	26.52	—	—		—	—		—	—	
64	2.59	2	4	6.2	16.1	x	—	675	—	18.16	447	—	12.76	—	—		17.3	0.83		24.5	0.88	
65	2.60	2	6	4.3	11.2	x	—	673	—	9.49	446	—	6.73	13.9	0.79		23.1	0.87		30.1	0.91	
														5VX500			5VX600			5VX710		
66	2.60	2	6	4.5	11.7	x	—	673	—	10.42	446	—	7.38	11.7	0.77		16.9	0.82		22.5	0.86	
67	2.60	2	4	4.8	12.5	x	—	673	—	11.81	446	—	8.34	10.7	0.75		16.0	0.81		21.6	0.86	
68	2.60	2	4	6.1	15.9	x	—	673	—	17.71	446	—	12.45	—	—		11.7	0.76		17.5	0.83	
69	2.60	1	4	7.1	18.5	x	—	673	17.90	22.10	446	12.97	15.55	—	—		—	—		14.3	0.79	
70	2.60	2	4	8.1	21.1	x	—	673	21.89	26.36	446	15.91	18.59	—	—		—	—		—	—	
														5VX500			5VX630			5VX750		
71	2.61	2	4	5.7	14.9	x	—	670	—	15.92	444	—	11.20	—	—		14.6	0.80		20.8	0.85	
72	2.61	2	4	7.1	18.6	x	—	670	17.90	22.10	444	12.97	15.55	—	—		—	—		16.3	0.81	
73	2.62	2	4	5.3	13.9	x	—	667	—	14.11	442	—	9.93	—	—		15.8	0.81		22.0	0.86	
74	2.62	1	4	5.9	15.5	x	—	667	—	16.82	442	—	11.83	—	—		13.9	0.79		20.1	0.85	
75	2.62	0	0	9.5	24.9	—	x	667	27.13	32.10	442	19.90	22.75	—	—		—	—		—	—	

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc–Length Factor (F) using Browning Belts

Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
5VX1250		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		**5V2500**		**5V2800**		**5V3150**		
39.7	0.96	47.3	0.98	57.3	1.01	67.4	1.03	77.4	1.05	89.4	1.08	102.5	1.10	117.5	1.12	135.0	1.14	1
26.0	0.89	33.8	0.93	44.1	0.97	54.3	1.00	64.4	1.03	76.5	1.06	89.6	1.08	104.7	1.10	122.2	1.13	2
50.4	0.98	57.9	1.00	67.9	1.03	77.9	1.05	87.9	1.07	99.9	1.09	112.9	1.11	128.0	1.13	145.5	1.15	3
47.1	0.98	54.6	1.00	64.6	1.02	74.7	1.05	84.7	1.06	96.7	1.08	109.7	1.10	124.7	1.12	142.2	1.14	4
45.7	0.97	53.3	1.00	63.3	1.02	73.3	1.04	83.3	1.06	95.3	1.08	108.3	1.10	123.4	1.12	140.9	1.14	5
5VX1320		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		**5V2360**		**5V2650**		**5V3000**		**5V3350**		
48.1	0.98	57.1	1.01	67.2	1.03	77.2	1.05	88.2	1.07	100.2	1.09	114.7	1.11	132.3	1.13	149.8	1.15	6
47.9	0.98	56.9	1.01	66.9	1.03	77.0	1.05	68.0	1.07	100.0	1.09	114.5	1.11	132.0	1.13	149.5	1.15	7
—	—	31.6	0.92	42.0	0.96	52.3	1.00	63.5	1.03	75.7	1.06	90.3	1.08	107.9	1.11	125.5	1.13	8
51.3	0.99	60.4	1.01	70.4	1.04	80.4	1.06	91.4	1.08	103.4	1.09	117.9	1.12	135.4	1.14	152.9	1.16	9
42.2	0.96	51.2	0.99	61.3	1.02	71.3	1.04	82.4	1.05	94.4	1.08	108.9	1.11	126.5	1.13	144.0	1.15	10
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
—	—	17.6	0.83	22.9	0.87	29.1	0.91	35.8	0.94	43.4	0.97	53.5	1.00	63.6	1.03	73.6	1.05	11
26.8	0.89	31.9	0.92	36.9	0.94	42.9	0.96	49.4	0.98	56.9	1.00	67.0	1.03	77.0	1.05	87.0	1.07	12
26.0	0.89	31.0	0.91	36.1	0.94	42.1	0.96	48.6	0.98	56.1	1.00	66.2	1.03	76.2	1.05	86.2	1.07	13
24.3	0.88	29.3	0.91	34.4	0.93	40.4	0.95	46.9	0.98	54.5	1.00	64.5	1.02	74.5	1.04	84.5	1.06	14
21.7	0.86	26.8	0.90	31.8	0.92	37.9	0.95	44.4	0.97	52.0	0.99	62.0	1.02	72.0	1.04	82.0	1.06	15
5VX850		**5VX950**		**5VX1060**		**5VX1180**		**5VX1320**		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		
25.6	0.89	30.7	0.91	36.2	0.94	42.3	0.96	49.3	0.98	58.3	1.01	68.4	1.03	78.4	1.05	89.4	1.07	16
24.5	0.88	29.5	0.91	35.1	0.93	41.1	0.96	48.2	0.98	57.2	1.01	67.3	1.03	77.3	1.05	88.3	1.07	17
—	—	18.5	0.83	24.3	0.88	30.6	0.92	37.7	0.95	46.9	0.98	57.0	1.01	67.0	1.03	78.1	1.06	18
28.4	0.90	33.5	0.92	39.0	0.95	45.0	0.97	52.1	0.99	61.1	1.01	71.1	1.04	81.1	1.06	92.1	1.08	19
30.1	0.91	35.1	0.93	40.6	0.95	46.6	0.97	53.7	0.99	62.7	1.02	72.7	1.04	82.7	1.06	93.7	1.08	20
5VX900		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		
27.5	0.90	32.6	0.92	38.6	0.95	45.2	0.97	52.7	0.99	62.7	1.02	72.7	1.04	82.8	1.06	94.8	1.08	21
24.0	0.88	29.1	0.91	35.2	0.94	41.7	0.96	49.3	0.99	59.3	1.01	69.4	1.04	79.4	1.06	91.4	1.08	22
—	—	21.0	0.85	27.3	0.90	34.0	0.93	41.6	0.96	51.8	1.00	61.8	1.02	71.9	1.04	84.0	1.07	23
30.3	0.91	35.3	0.93	41.4	0.96	47.9	0.98	55.4	1.00	65.4	1.02	75.5	1.05	85.5	1.06	97.5	1.09	24
26.8	0.89	31.9	0.92	38.0	0.95	44.5	0.97	52.0	0.99	62.1	1.02	72.1	1.04	82.1	1.06	94.1	1.08	25
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
—	—	17.7	0.83	23.0	0.87	29.3	0.91	35.9	0.94	43.5	0.97	53.6	1.00	63.7	1.03	73.8	1.05	26
27.5	0.89	32.5	0.92	37.5	0.94	43.5	0.96	50.1	0.98	57.6	1.00	67.6	1.03	77.6	1.05	87.6	1.07	27
26.9	0.89	31.9	0.92	37.0	0.94	43.0	0.96	49.5	0.98	57.0	1.00	67.0	1.03	77.0	1.05	87.1	1.07	28
18.7	0.84	23.9	0.88	29.0	0.91	35.1	0.94	41.6	0.96	49.2	0.98	59.3	1.01	69.3	1.04	79.3	1.06	29
16.8	0.82	22.0	0.87	27.2	0.90	33.3	0.93	39.9	0.95	47.5	0.98	57.6	1.01	67.6	1.03	77.6	1.05	30
5VX1320		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		**5V2360**		**5V2650**		**5V3000**		**5V3350**		
—	—	—	—	—	—	37.1	0.93	48.8	0.98	61.2	1.02	76.1	1.05	93.9	1.09	111.6	1.11	31
50.8	0.99	59.8	1.01	69.8	1.03	79.8	1.05	90.8	1.07	102.8	1.09	117.4	1.11	134.9	1.14	152.4	1.16	32
34.3	0.93	43.5	0.97	53.7	1.00	63.8	1.03	74.8	1.05	86.9	1.07	101.5	1.10	119.0	1.12	136.6	1.14	33
48.7	0.98	57.8	1.01	67.8	1.03	77.8	1.05	88.8	1.07	100.9	1.09	115.4	1.11	132.9	1.13	150.4	1.15	34
45.3	0.97	54.4	1.00	64.4	1.02	74.5	1.05	85.5	1.07	97.5	1.09	112.0	1.11	129.5	1.13	147.1	1.15	35
5VX1250		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		**5V2500**		**5V2800**		**5V3150**		
50.5	0.98	58.1	1.00	68.1	1.03	78.1	1.05	88.1	1.07	100.1	1.09	113.1	1.11	128.1	1.13	145.6	1.15	36
41.7	0.96	49.3	0.98	59.3	1.01	69.4	1.04	79.4	1.06	91.4	1.08	104.4	1.10	119.5	1.12	137.0	1.14	37
38.8	0.95	46.4	0.98	56.5	1.01	66.5	1.03	76.6	1.05	88.6	1.07	101.6	1.09	116.7	1.12	134.2	1.14	38
30.7	0.91	38.5	0.95	48.7	0.99	58.8	1.01	68.9	1.04	80.9	1.06	94.0	1.08	109.1	1.11	126.6	1.13	39
26.4	0.89	34.2	0.93	44.5	0.97	54.7	1.00	64.9	1.03	77.0	1.06	90.0	1.08	105.1	1.10	122.7	1.13	40
5VX1320		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		**5V2360**		**5V2650**		**5V3000**		**5V3350**		
—	—	32.0	0.91	42.5	0.96	52.7	1.00	64.0	1.03	76.1	1.05	90.7	1.08	108.4	1.11	125.9	1.13	41
50.6	0.99	59.6	1.01	69.6	1.03	79.7	1.05	90.7	1.07	102.7	1.09	117.2	1.11	134.7	1.14	152.2	1.15	42
49.5	0.98	58.5	1.01	68.5	1.03	78.5	1.05	89.6	1.07	101.6	1.09	116.1	1.11	133.6	1.13	151.1	1.15	43
48.3	0.98	57.4	1.01	67.4	1.03	77.4	1.05	88.4	1.07	100.5	1.09	115.0	1.11	132.5	1.13	150.0	1.15	44
52.3	0.99	61.3	1.01	71.3	1.04	81.3	1.06	92.3	1.08	104.4	1.10	118.9	1.12	136.4	1.14	153.9	1.16	45
5VX1250		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		**5V2500**		**5V2800**		**5V3150**		
47.3	0.98	54.8	1.00	64.9	1.02	74.9	1.04	84.9	1.06	96.9	1.08	109.9	1.10	124.9	1.12	142.4	1.14	46
26.4	0.89	34.3	0.93	44.6	0.97	54.8	1.00	64.9	1.03	77.0	1.05	90.1	1.08	105.2	1.10	122.7	1.13	47
45.3	0.97	52.8	0.99	62.9	1.02	72.9	1.04	82.9	1.06	94.9	1.08	107.9	1.10	123.0	1.12	140.5	1.14	48
40.1	0.95	47.6	0.98	57.7	1.01	67.7	1.03	77.8	1.05	89.8	1.08	102.8	1.10	117.9	1.12	135.4	1.14	49
48.7	0.98	56.2	1.00	66.2	1.03	76.2	1.05	86.3	1.07	98.3	1.09	111.3	1.11	126.3	1.12	143.8	1.15	50
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
21.9	0.86	27.0	0.89	32.0	0.92	38.1	0.94	44.6	0.97	52.2	0.99	62.2	1.02	72.2	1.04	82.3	1.06	51
—	—	17.9	0.83	23.2	0.87	29.5	0.91	36.1	0.94	43.7	0.97	53.9	1.00	63.9	1.02	74.0	1.05	52
25.4	0.88	30.5	0.91	35.5	0.93	41.5	0.96	48.0	0.98	55.6	1.00	65.6	1.02	75.6	1.05	85.6	1.06	53
23.3	0.87	28.4	0.90	33.4	0.92	39.5	0.95	46.0	0.97	53.6	0.99	63.6	1.02	73.6	1.04	83.6	1.06	54
22.1	0.86	27.2	0.90	32.3	0.92	38.3	0.95	44.9	0.97	52.4	0.99	62.5	1.02	72.5	1.04	82.5	1.06	55
5VX850		**5VX950**		**5VX1060**		**5VX1180**		**5VX1320**		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		
—	—	18.8	0.83	24.7	0.88	30.9	0.91	38.1	0.95	47.2	0.98	57.3	1.01	67.4	1.03	78.5	1.06	56
27.0	0.89	32.1	0.92	37.6	0.94	43.6	0.96	50.7	0.99	59.7	1.01	69.7	1.03	79.7	1.05	90.7	1.07	57
30.2	0.91	35.2	0.93	40.8	0.95	46.8	0.97	53.8	0.99	62.8	1.02	72.8	1.04	82.8	1.06	93.8	1.08	58
28.7	0.90	33.8	0.92	39.3	0.95	45.3	0.97	52.4	0.99	61.4	1.01	71.4	1.04	81.4	1.06	92.4	1.08	59
27.3	0.89	32.3	0.92	37.9	0.94	43.9	0.96	50.9	0.99	59.9	1.01	70.0	1.03	80.0	1.05	91.0	1.07	60
5VX950		**5VX1060**		**5VX1180**		**5VX1320**		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		**5V2360**		
20.7	0.85	26.4	0.89	32.6	0.92	39.8	0.95	48.9	0.98	59.0	1.01	69.0	1.04	80.1	1.06	92.1	1.08	61
18.6	0.83	24.5	0.88	30.7	0.91	37.9	0.95	47.1	0.98	57.2	1.01	67.2	1.03	78.3	1.06	90.4	1.08	62
—	—	20.9	0.85	27.3	0.89	34.6	0.93	43.8	0.97	53.9	1.00	64.0	1.03	75.1	1.05	87.2	1.07	63
29.6	0.91	35.1	0.93	41.2	0.96	48.2	0.98	57.3	1.00	67.3	1.03	77.3	1.05	88.4	1.07	100.4	1.09	64
35.2	0.93	40.7	0.95	46.7	0.97	53.7	0.99	62.7	1.02	72.8	1.04	82.8	1.06	93.8	1.08	105.8	1.10	65
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
27.0	0.89	32.1	0.92	37.1	0.94	43.1	0.96	49.7	0.98	57.2	1.00	67.2	1.03	77.2	1.05	87.2	1.07	66
26.1	0.89	31.2	0.91	36.2	0.93	42.2	0.96	48.8	0.98	56.3	1.00	66.3	1.02	76.3	1.05	86.3	1.07	67
22.2	0.86	27.3	0.89	32.4	0.92	38.4	0.95	45.0	0.97	52.5	0.99	62.5	1.02	72.6	1.04	82.6	1.06	68
19.1	0.84	24.2	0.88	29.4	0.91	35.4	0.93	42.0	0.96	49.6	0.98	59.6	1.01	69.7	1.04	79.7	1.06	69
15.7	0.80	21.1	0.85	26.3	0.89	32.4	0.92	39.0	0.95	46.6	0.98	56.7	1.01	66.8	1.03	76.8	1.05	70
5VX850		**5VX950**		**5VX1060**		**5VX1180**		**5VX1320**		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		
25.9	0.89	31.0	0.91	36.5	0.94	42.6	0.96	49.6	0.98	58.6	1.01	68.7	1.03	78.7	1.05	89.7	1.07	71
21.6	0.86	26.7	0.89	32.3	0.92	38.4	0.95	45.5	0.97	54.5	1.00	64.8	1.02	74.6	1.05	85.6	1.07	72
27.1	0.89	32.1	0.92	37.7	0.94	43.7	0.96	50.7	0.99	59.8	1.01	69.8	1.03	79.8	1.05	90.8	1.07	73
25.2	0.88	30.3	0.91	35.9	0.93	41.9	0.96	49.0	0.98	58.0	1.01	68.0	1.03	78.1	1.05	89.1	1.07	74
—	—	18.9	0.83	24.8	0.88	31.0	0.91	38.2	0.95	47.4	0.98	57.5	1.01	67.6	1.03	78.6	1.06	75

B

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Pitch Diameter Driver	Pitch Diameter Driven	Type Fix.	Type Var.	Nominal Driven Speeds and Horsepower per Belt — 1750 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	1160 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	Center Distance in Inches and "F" Factor for Browning Belts: Belt No.	C.D.	F	Belt No.	C.D.	F	Belt No.	C.D.	F
														5VX500			5VX630			5VX750		
1	2.63	2	4	4.7	12.4	x	—	665	—	11.35	441	—	8.02	10.9	0.76		17.7	0.83		23.8	0.87	
2	2.63	1	4	6.1	16.1	x	—	665	—	17.71	441	—	12.45	—	—		13.1	0.78		19.4	0.84	
3	2.64	2	4	7.0	18.5	x	x	662	17.49	21.67	439	12.67	15.24	—	—		—	—		16.5	0.81	
4	2.64	2	10	8.9	23.5	x	—	662	24.93	29.67	439	18.21	20.98	—	—		—	—		—	—	
5	2.64	1	4	9.5	25.1	x	x	662	27.13	32.10	439	19.90	22.75	—	—		—	—		—	—	
														5VX500			5VX600			5VX710		
6	2.65	1	4	4.7	12.5	x	—	660	—	11.35	437	—	8.02	10.8	0.75		16.0	0.81		21.6	0.86	
7	2.65	2	8	7.0	18.6	x	x	660	17.49	21.67	437	12.67	15.24	—	—		—	—		14.2	0.79	
8	2.67	2	4	4.9	13.1	x	—	655	—	12.28	434	—	8.66	10.0	0.74		15.3	0.81		21.0	0.85	
9	2.67	2	4	5.8	15.5	x	—	655	—	16.37	434	—	11.51	—	—		12.3	0.77		18.1	0.83	
10	2.67	2	10	7.9	21.1	x	—	655	21.11	25.52	434	15.33	17.98	—	—		—	—		—	—	
														5VX600			5VX850			5VX1060		
11	2.68	1	4	5.1	13.7	x	—	652	—	13.19	432	—	9.30	14.6	0.80		27.4	0.89		38.0	0.94	
12	2.68	1	4	6.9	18.5	x	—	652	—	21.23	432	—	14.93	—	—		21.8	0.86		32.5	0.92	
13	2.68	1	4	7.5	20.1	x	—	652	19.52	23.82	432	14.16	16.77	—	—		19.8	0.84		30.7	0.91	
14	2.68	3	10	11.7	31.4	x	—	652	34.50	40.53	432	25.87	29.08	—	—		—	—		—	—	
15	2.68	3	10	18.6	49.9	x	—	—	—	—	432	41.72	46.96	—	—		—	—		—	—	
														5VX600			5VX850			5VX1060		
16	2.69	2	4	5.9	15.9	x	—	650	—	16.82	431	—	11.83	11.8	0.76		24.9	0.88		35.5	0.93	
17	2.69	2	4	6.9	18.6	x	—	650	—	21.23	431	—	14.93	—	—		21.7	0.86		32.5	0.92	
18	2.69	3	10	13.9	37.4	x	—	650	40.65	48.15	431	31.43	35.11	—	—		—	—		—	—	
19	2.69	3	4	18.5	49.9	x	—	—	—	—	431	41.53	46.72	—	—		—	—		—	—	
20	2.70	2	4	5.5	14.9	x	—	648	—	15.02	429	—	10.57	13.1	0.78		26.1	0.89		36.7	0.94	
														5VX500			5VX630			5VX750		
21	2.70	1	4	8.7	23.5	x	—	648	24.19	28.85	429	17.64	20.39	—	—		—	—		—	—	
22	2.70	5	10	9.2	24.9	x	—	648	26.04	30.89	429	19.06	21.87	—	—		—	—		—	—	
23	2.71	1	4	5.7	15.5	x	—	645	—	15.92	428	—	11.20	—	—		14.0	0.79		20.3	0.85	
24	2.71	2	4	7.4	20.1	x	x	645	19.12	23.39	428	13.86	16.46	—	—		—	—		14.5	0.79	
25	2.72	2	6	4.3	11.7	x	—	643	—	9.49	426	—	6.73	11.9	0.77		18.6	0.83		24.7	0.88	
														5VX600			5VX800			5VX1000		
26	2.72	2	6	4.8	13.1	x	—	643	—	11.81	426	—	8.34	15.4	0.81		25.6	0.88		35.7	0.93	
27	2.72	2	6	5.1	13.9	x	—	643	—	13.19	426	—	9.30	14.4	0.80		24.7	0.88		34.8	0.93	
28	2.72	1	4	5.9	16.1	x	—	643	—	16.82	426	—	11.83	—	—		22.1	0.86		32.3	0.92	
29	2.72	2	4	9.2	25.1	x	—	643	26.04	30.89	426	19.06	21.87	—	—		—	—		21.6	0.85	
30	2.72	3	4	13.7	37.4	x	—	643	40.14	47.49	426	30.94	34.58	—	—		—	—		—	—	
														5VX530			5VX710			5VX850		
31	2.73	2	10	10.2	27.9	x	—	641	29.60	34.86	424	21.84	24.79	—	—		—	—		—	—	
32	2.74	2	6	5.8	15.9	x	—	638	—	16.37	423	—	11.51	—	—		17.7	0.83		25.0	0.88	
33	2.75	2	6	4.5	12.4	x	—	636	—	10.42	421	—	7.38	12.6	0.78		21.9	0.86		29.0	0.90	
34	2.75	2	6	5.4	14.9	x	—	636	—	14.56	421	—	10.25	—	—		19.0	0.84		26.1	0.89	
35	2.75	1	4	9.1	25.1	x	—	636	25.68	30.49	421	18.78	21.57	—	—		—	—		—	—	
														5VX500			5VX600			5VX710		
36	2.76	1	4	6.7	18.5	x	—	634	—	20.36	420	—	14.32	—	—		—	—		14.5	0.79	
37	2.77	1	4	4.5	12.5	x	—	631	—	10.42	418	—	7.38	10.9	0.75		16.2	0.81		21.8	0.86	
38	2.77	2	4	5.8	16.1	x	—	631	—	16.37	418	—	11.51	—	—		11.7	0.76		17.6	0.82	
39	2.77	2	4	6.7	18.6	x	—	631	—	20.36	418	—	14.32	—	—		—	—		14.4	0.79	
40	2.78	2	4	4.7	13.1	x	—	629	—	11.35	417	—	8.02	10.2	0.74		15.5	0.81		21.1	0.85	
														5VX500			5VX630			5VX750		
41	2.78	2	4	5.7	15.9	x	—	629	—	15.92	417	—	11.20	—	—		13.6	0.78		19.9	0.84	
42	2.79	1	4	4.9	13.7	x	—	627	—	12.28	415	—	8.66	—	—		16.3	0.81		22.5	0.86	
43	2.79	2	10	8.4	23.5	x	x	627	23.05	27.61	415	16.78	19.49	—	—		—	—		—	—	
44	2.79	5	10	8.9	24.9	x	—	627	24.93	29.67	415	18.21	20.98	—	—		—	—		—	—	
45	2.80	2	4	6.6	18.5	x	—	625	—	19.92	414	—	14.01	—	—		—	—		16.7	0.81	
														5VX600			5VX800			5VX1000		
46	2.80	3	10	11.2	31.4	x	—	625	32.93	38.68	414	24.55	27.66	—	—		—	—		—	—	
47	2.81	2	4	5.3	14.9	x	—	622	—	14.11	412	—	9.93	13.3	0.78		23.7	0.87		33.8	0.92	
48	2.81	1	4	5.5	15.5	x	—	622	—	15.02	412	—	10.57	12.5	0.77		23.0	0.86		33.1	0.92	
49	2.81	2	6	6.6	18.6	x	—	622	—	19.92	412	—	14.01	—	—		19.3	0.84		29.6	0.90	
50	2.81	2	4	7.5	21.1	x	—	622	19.52	23.82	412	14.16	16.77	—	—		16.1	0.80		26.7	0.89	
														5VX600			5VX800			5VX1000		
51	2.82	1	4	5.7	16.1	x	—	620	—	15.92	411	—	11.20	11.7	0.76		22.3	0.86		32.5	0.92	
52	2.82	2	4	8.9	25.1	x	—	620	24.93	29.67	411	18.21	20.98	—	—		—	—		21.8	0.85	
53	2.82	3	4	11.1	31.4	x	—	620	32.60	38.30	411	24.28	27.38	—	—		—	—		—	—	
54	2.83	2	4	4.9	13.9	x	—	618	—	12.28	409	—	8.66	14.5	0.79		24.8	0.88		35.0	0.93	
55	2.83	1	4	7.1	20.1	x	—	618	17.90	22.10	409	12.97	15.55	—	—		17.4	0.82		27.9	0.89	
														5VX600			5VX800			5VX1000		
56	2.84	1	4	6.5	18.5	x	—	616	—	19.48	408	—	13.70	—	—		19.5	0.84		29.8	0.90	
57	2.85	2	4	4.8	13.7	x	—	614	—	11.81	407	—	8.34	14.8	0.80		25.1	0.88		35.2	0.93	
58	2.85	2	8	7.4	21.1	x	x	614	19.12	23.39	407	13.86	16.46	—	—		16.2	0.80		26.8	0.89	
59	2.85	3	10	13.1	37.4	x	—	614	38.56	45.48	407	29.46	32.95	—	—		—	—		—	—	
60	2.86	2	4	6.5	18.6	x	—	611	—	19.48	405	—	13.70	—	—		19.4	0.84		29.7	0.90	
														5VX530			5VX710			5VX850		
61	2.87	2	4	5.4	15.5	x	—	609	—	14.56	404	—	10.25	—	—		18.4	0.83		25.6	0.88	
62	2.87	2	4	7.0	20.1	x	x	609	17.49	21.67	404	12.67	15.24	—	—		—	—		20.2	0.84	
63	2.87	2	10	9.7	27.9	x	—	609	27.85	32.90	404	20.46	23.34	—	—		—	—		—	—	
64	2.88	2	6	4.3	12.4	x	—	607	—	9.49	402	—	6.73	12.7	0.77		22.0	0.86		29.1	0.90	
65	2.88	1	4	8.7	25.1	x	—	607	24.19	28.85	402	17.64	20.39	—	—		—	—		—	—	
														5VX600			5VX800			5VX1000		
66	2.89	2	6	4.8	13.9	x	—	605	—	11.81	401	—	8.34	14.6	0.79		24.9	0.88		35.0	0.93	
67	2.89	2	4	5.5	15.9	x	—	605	—	15.02	401	—	10.57	12.1	0.76		22.6	0.86		32.8	0.92	
68	2.90	1	4	4.3	12.5	x	—	603	—	9.49	400	—	6.73	16.3	0.81		26.5	0.88		36.6	0.93	
69	2.90	1	4	8.1	23.5	x	—	603	21.89	26.36	400	15.91	18.59	—	—		—	—		24.0	0.87	
70	2.90	3	10	10.8	31.4	x	—	603	31.62	37.17	400	23.48	26.52	—	—		—	—		—	—	
														5VX500			5VX600			5VX710		
71	2.91	2	6	4.5	13.1	x	—	601	—	10.42	398	—	7.38	10.3	0.74		15.6	0.80		21.2	0.85	
72	2.91	1	4	4.7	13.7	x	—	601	—	11.35	398	—	8.02	—	—		14.9	0.80		20.6	0.85	
73	2.91	1	4	6.9	20.1	x	—	601	—	21.23	398	—	14.93	—	—		—	—		—	—	
74	2.92	2	6	5.1	14.9	x	—	599	—	13.19	397	—	9.30	—	—		13.4	0.78		19.2	0.84	
75	2.92	1	4	5.3	15.5	x	—	599	—	14.11	397	—	9.93	—	—		12.6	0.77		18.5	0.83	

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts

Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
5VX850		**5VX950**		**5VX1060**		**5VX1180**		**5VX1320**		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		
28.8	0.90	33.9	0.92	39.4	0.95	45.4	0.97	52.4	0.99	61.5	1.01	71.5	1.04	81.5	1.06	92.5	1.08	1
24.6	0.88	29.7	0.91	35.2	0.93	41.3	0.96	48.3	0.98	57.4	1.00	67.4	1.03	77.4	1.05	88.4	1.07	2
21.7	0.86	26.9	0.89	32.5	0.92	38.6	0.95	45.6	0.97	54.7	1.00	64.7	1.02	74.8	1.05	85.8	1.07	3
—	—	20.8	0.85	26.6	0.89	32.8	0.92	39.9	0.95	49.0	0.98	59.1	1.01	69.2	1.04	80.2	1.06	4
—	—	18.7	0.83	24.6	0.88	30.9	0.91	38.0	0.94	47.2	0.98	57.3	1.01	67.4	1.03	78.5	1.05	5
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
26.2	0.89	31.3	0.91	36.3	0.93	42.3	0.96	48.8	0.98	56.4	1.00	66.4	1.02	76.4	1.03	86.4	1.07	6
19.0	0.84	24.2	0.88	29.3	0.90	35.4	0.93	42.0	0.96	49.6	0.98	59.6	1.01	69.7	1.03	79.7	1.06	7
25.5	0.88	30.6	0.91	35.6	0.93	41.7	0.95	48.2	0.98	55.7	1.00	65.7	1.02	75.8	1.05	85.8	1.06	8
22.8	0.87	27.9	0.90	32.9	0.92	39.0	0.95	45.5	0.97	53.1	0.99	63.1	1.02	73.1	1.04	83.1	1.06	9
15.9	0.80	21.2	0.85	26.4	0.89	32.6	0.92	39.2	0.95	46.8	0.98	56.9	1.00	66.9	1.03	77.0	1.05	10
5VX1320		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		**5V2360**		**5VX2650**		**5V3000**		**5V3350**		
51.1	0.99	60.1	1.01	70.1	1.03	80.1	1.05	91.1	1.07	103.2	1.09	117.7	1.11	135.2	1.14	152.7	1.15	11
45.7	0.97	54.8	1.00	64.8	1.02	74.8	1.05	85.9	1.07	97.9	1.09	112.4	1.11	129.9	1.13	147.4	1.15	12
43.9	0.97	53.0	0.99	63.0	1.02	73.1	1.04	84.1	1.06	96.1	1.08	110.7	1.11	128.2	1.13	145.7	1.15	13
30.9	0.91	40.0	0.95	50.2	0.99	60.4	1.01	71.5	1.04	83.6	1.07	98.2	1.09	115.7	1.12	133.3	1.14	14
—	—	—	—	—	—	38.0	0.93	49.8	0.98	62.3	1.02	77.1	1.05	94.9	1.08	112.6	1.11	15
5VX1320		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		**5V2360**		**5V2650**		**5V3000**		**5V3350**		
48.6	0.98	57.7	1.00	67.7	1.03	77.7	1.05	88.7	1.07	100.8	1.09	115.3	1.11	132.8	1.13	150.3	1.15	16
45.6	0.97	54.7	1.00	64.7	1.02	74.8	1.05	85.8	1.07	97.8	1.09	112.3	1.11	129.9	1.13	147.4	1.15	17
—	—	32.6	0.91	43.1	0.96	53.4	0.99	64.7	1.03	76.8	1.05	91.5	1.08	109.1	1.11	126.7	1.13	18
—	—	—	—	—	—	38.1	0.93	49.8	0.98	62.3	1.02	77.2	1.05	95.0	1.08	112.7	1.11	19
49.8	0.98	58.8	1.01	68.8	1.03	78.8	1.05	89.9	1.07	101.9	1.09	116.4	1.11	133.9	1.13	151.4	1.15	20
5VX850		**5VX950**		**5VX1060**		**5VX1180**		**5VX1320**		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		
—	—	20.9	0.85	26.7	0.89	32.9	0.92	40.0	0.95	49.2	0.98	59.3	1.01	69.3	1.04	80.4	1.06	21
—	—	19.1	0.83	25.0	0.88	31.2	0.91	38.4	0.95	47.6	0.98	57.7	1.01	67.8	1.03	78.8	1.05	22
25.4	0.88	30.5	0.91	36.0	0.93	42.1	0.96	49.1	0.98	58.2	1.01	68.2	1.03	78.2	1.05	89.2	1.07	23
19.9	0.84	25.1	0.88	30.8	0.91	36.9	0.94	44.0	0.97	53.0	0.99	63.1	1.02	73.1	1.04	84.2	1.06	24
29.7	0.90	34.7	0.93	40.3	0.95	46.3	0.97	53.3	0.99	62.3	1.01	72.3	1.04	82.4	1.06	93.4	1.08	25
5VX1250		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		**5V2500**		**5V2800**		**5V3150**		
48.3	0.98	55.8	1.00	65.8	1.02	75.8	1.04	85.8	1.06	97.9	1.08	110.9	1.10	125.9	1.12	143.4	1.14	26
47.4	0.97	54.9	1.00	64.9	1.02	75.0	1.04	85.0	1.06	97.0	1.08	110.0	1.10	125.0	1.12	142.5	1.14	27
44.9	0.97	52.5	0.99	62.5	1.02	72.6	1.04	82.6	1.06	94.6	1.08	107.6	1.10	122.6	1.12	140.1	1.14	28
34.7	0.93	42.3	0.96	52.5	0.99	62.6	1.02	72.6	1.04	84.7	1.07	97.8	1.09	112.8	1.11	130.3	1.13	29
—	—	27.3	0.88	38.0	0.94	48.4	0.98	58.7	1.01	70.9	1.04	84.1	1.07	99.2	1.09	116.8	1.12	30
5VX950		**5VX1060**		**5VX1180**		**5VX1320**		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		**5V2360**		
—	—	21.3	0.84	27.7	0.89	35.0	0.93	44.2	0.97	54.4	1.00	64.5	1.02	75.6	1.05	87.6	1.07	31
30.0	0.91	35.6	0.93	41.7	0.96	48.7	0.98	57.7	1.00	67.8	1.03	77.8	1.05	88.8	1.07	100.8	1.09	32
34.0	0.92	39.5	0.95	45.6	0.97	52.6	0.99	61.6	1.01	71.6	1.04	81.6	1.06	92.6	1.08	104.7	1.09	33
31.2	0.91	36.8	0.94	42.8	0.96	49.8	0.98	58.9	1.01	68.9	1.03	78.9	1.05	89.9	1.07	102.0	1.09	34
19.0	0.83	24.9	0.87	31.1	0.91	38.3	0.94	47.5	0.98	57.6	1.01	67.7	1.03	78.7	1.05	90.8	1.08	35
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
19.3	0.84	24.5	0.88	29.6	0.90	35.7	0.93	42.3	0.96	49.9	0.98	59.9	1.01	70.0	1.03	80.0	1.05	36
26.4	0.89	31.4	0.91	36.4	0.93	42.5	0.96	49.0	0.98	56.5	1.00	66.5	1.02	76.6	1.05	86.6	1.06	37
22.2	0.86	27.3	0.89	32.4	0.92	38.5	0.94	45.0	0.97	52.6	0.99	62.6	1.02	72.6	1.04	82.6	1.06	38
19.2	0.84	24.4	0.87	29.5	0.90	35.6	0.93	42.2	0.96	49.8	0.98	59.8	1.01	69.9	1.03	79.9	1.05	39
25.7	0.88	30.7	0.91	35.8	0.93	41.8	0.95	48.3	0.98	55.9	1.00	65.9	1.02	75.9	1.04	85.9	1.06	40
5VX850		**5VX950**		**5VX1060**		**5VX1180**		**5VX1320**		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		
25.0	0.88	30.1	0.91	35.7	0.93	41.7	0.96	48.8	0.98	57.8	1.00	67.9	1.03	77.9	1.05	88.9	1.07	41
27.5	0.89	32.6	0.92	38.1	0.94	44.2	0.96	51.2	0.98	60.2	1.01	70.3	1.03	80.3	1.05	91.3	1.07	42
—	—	21.1	0.85	26.9	0.89	33.1	0.92	40.3	0.95	49.4	0.98	59.5	1.01	69.5	1.03	80.6	1.06	43
—	—	19.3	0.83	25.2	0.88	31.5	0.91	38.6	0.94	47.8	0.98	57.9	1.01	68.0	1.03	79.1	1.05	44
22.0	0.86	27.1	0.89	32.8	0.92	38.8	0.94	45.9	0.97	55.0	1.00	65.0	1.02	75.1	1.04	86.1	1.07	45
5VX1250		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		**5V2500**		**5V2800**		**5V3150**		
27.2	0.88	35.1	0.93	45.4	0.97	55.6	1.00	65.8	1.03	77.9	1.05	91.0	1.08	106.1	1.10	123.6	1.12	46
46.4	0.97	53.9	0.99	64.0	1.02	74.0	1.04	84.0	1.06	96.0	1.08	109.0	1.10	124.1	1.12	141.6	1.14	47
45.7	0.97	53.3	0.99	63.3	1.02	73.3	1.04	83.4	1.06	95.4	1.08	108.4	1.10	123.4	1.12	140.9	1.14	48
42.3	0.96	49.9	0.98	59.9	1.01	70.0	1.03	80.0	1.05	92.0	1.08	105.0	1.10	120.1	1.12	137.6	1.14	49
39.5	0.95	47.1	0.97	57.1	1.00	67.2	1.03	77.2	1.05	89.3	1.07	102.3	1.09	117.4	1.11	134.9	1.14	50
5VX1250		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		**5V2500**		**5V2800**		**5V3150**		
45.1	0.97	52.6	0.99	62.7	1.02	72.7	1.04	82.7	1.06	94.7	1.08	107.8	1.10	122.8	1.12	140.3	1.14	51
34.9	0.93	42.5	0.96	52.7	0.99	62.8	1.02	72.9	1.04	84.9	1.07	98.0	1.09	113.0	1.11	130.6	1.13	52
27.3	0.88	35.2	0.93	45.5	0.97	55.7	1.00	65.9	1.03	78.0	1.05	91.1	1.08	106.2	1.10	123.7	1.12	53
47.5	0.97	55.1	1.00	65.1	1.02	75.1	1.04	85.1	1.06	97.1	1.08	110.2	1.10	125.2	1.12	142.7	1.14	54
40.6	0.95	48.2	0.98	58.3	1.01	68.3	1.03	78.4	1.05	90.4	1.07	103.4	1.09	118.5	1.12	136.0	1.14	55
5VX1250		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		**5V2500**		**5V2800**		**5V3150**		
42.5	0.96	50.0	0.98	60.1	1.01	70.1	1.03	80.2	1.05	92.2	1.08	105.2	1.10	120.2	1.12	137.7	1.14	56
47.8	0.97	55.3	1.00	65.3	1.02	75.3	1.04	85.4	1.06	97.4	1.08	110.4	1.10	125.4	1.12	142.9	1.14	57
39.5	0.95	47.1	0.97	57.2	1.00	67.3	1.03	77.3	1.05	89.4	1.07	102.4	1.09	117.4	1.11	135.0	1.14	58
—	—	27.7	0.87	38.4	0.94	48.8	0.98	59.1	1.01	71.3	1.04	84.5	1.06	99.6	1.09	117.2	1.12	59
42.4	0.96	49.9	0.98	60.0	1.01	70.0	1.03	80.1	1.05	92.1	1.08	105.1	1.10	120.1	1.12	137.7	1.14	60
5VX950		**5VX1060**		**5VX1180**		**5VX1320**		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		**5V2360**		
30.7	0.91	36.2	0.93	42.3	0.96	49.3	0.98	58.4	1.00	68.4	1.03	78.4	1.05	89.5	1.07	101.5	1.09	61
25.4	0.88	31.0	0.91	37.1	0.94	44.2	0.96	53.3	0.99	63.4	1.02	73.4	1.04	84.5	1.06	96.5	1.08	62
—	—	21.6	0.84	28.0	0.89	35.3	0.93	44.6	0.96	54.7	1.00	64.8	1.02	75.9	1.05	88.0	1.07	63
34.2	0.92	39.7	0.94	45.7	0.97	52.7	0.99	61.8	1.01	71.8	1.04	81.8	1.06	92.8	1.08	104.8	1.09	64
19.2	0.82	25.1	0.87	31.4	0.91	38.6	0.94	47.8	0.98	57.9	1.01	68.0	1.03	79.0	1.05	91.1	1.08	65
5VX1250		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		**5V2500**		**5V2800**		**5V3150**		
47.6	0.97	55.1	1.00	65.2	1.02	75.2	1.04	85.2	1.06	97.2	1.08	110.2	1.10	125.2	1.12	142.7	1.14	66
45.4	0.97	52.9	0.99	63.0	1.02	73.0	1.04	83.0	1.06	95.1	1.08	108.1	1.10	123.1	1.12	140.6	1.14	67
49.1	0.98	56.7	1.00	66.7	1.02	76.7	1.05	86.7	1.06	98.7	1.08	111.7	1.10	126.7	1.12	144.3	1.14	68
36.9	0.94	44.5	0.96	54.7	1.00	64.7	1.02	74.8	1.04	86.9	1.07	99.9	1.09	114.9	1.11	132.5	1.13	69
27.4	0.88	35.4	0.92	45.7	0.97	55.9	1.00	66.1	1.03	78.2	1.05	91.3	1.08	106.4	1.10	123.9	1.12	70
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
25.8	0.88	30.9	0.91	35.9	0.93	42.0	0.95	48.5	0.98	56.0	1.00	66.0	1.02	76.1	1.04	86.1	1.06	71
25.2	0.88	30.2	0.90	35.3	0.93	41.3	0.95	47.8	0.97	55.4	1.00	65.4	1.02	75.4	1.04	85.4	1.06	72
17.6	0.82	22.9	0.86	28.0	0.89	34.2	0.92	40.8	0.95	48.4	0.98	58.4	1.01	68.5	1.03	78.5	1.05	73
23.8	0.87	28.9	0.90	33.9	0.92	40.0	0.95	46.5	0.97	54.1	0.99	64.1	1.02	74.1	1.04	84.2	1.06	74
23.1	0.86	28.2	0.89	33.3	0.92	39.3	0.94	45.9	0.97	53.4	0.99	63.5	1.02	73.5	1.04	83.5	1.06	75

B

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves		Pitch Diameter		Type		Nominal Driven Speeds and Horsepower per Belt						Center Distance in Inches and "F" Factor for Browning Belts					
								1750 RPM Driver			1160 RPM Driver			Belt No.		Belt No.		Belt No.	
		Min	Max	Driver	Driven	Fix.	Var.	Nominal Driven Speed	HP per Belt Super	HP per Belt Gripnotch	Nominal Driven Speed	HP per Belt Super	HP per Belt Gripnotch	C.D.	F	C.D.	F	C.D.	F
														5VX530		5VX710		5VX850	
1	2.92	1	4	5.5	16.1	X	—	599	—	15.02	397	—	10.57	—	—	17.8	0.82	25.0	0.88
2	2.93	1	4	6.3	18.5	X	—	597	—	18.60	395	—	13.08	—	—	14.8	0.79	22.2	0.86
3	2.93	1	4	9.5	27.9	X	X	597	27.13	32.10	395	19.90	22.75	—	—	—	—	—	—
4	2.94	2	6	5.4	15.9	X	—	595	—	14.56	394	—	10.25	—	—	18.0	0.82	25.2	0.88
5	2.95	2	4	4.7	13.9	X	—	593	—	11.35	393	—	8.02	10.9	0.74	20.4	0.84	27.5	0.89
														5VX500		5VX630		5VX750	
6	2.95	2	4	6.3	18.6	X	—	593	—	18.60	393	—	13.08	—	—	—	—	16.8	0.81
7	2.96	5	10	8.4	24.9	X	X	591	23.05	27.61	391	16.78	19.49	—	—	—	—	—	—
8	2.97	2	4	7.1	21.1	X	—	589	17.90	22.10	390	12.97	15.55	—	—	—	—	—	—
9	2.97	2	10	7.9	23.5	X	—	589	21.11	25.52	390	15.33	17.98	—	—	—	—	—	—
10	2.98	2	4	5.4	16.1	X	—	587	—	14.56	389	—	10.25	—	—	13.6	0.78	19.9	0.84
														5VX600		5VX800		5VX1000	
11	2.98	2	4	6.2	18.5	X	—	587	—	18.16	389	—	12.76	—	—	19.7	0.84	30.0	0.90
12	2.98	2	4	8.4	25.1	X	X	587	23.05	27.61	389	16.78	19.49	—	—	—	—	22.1	0.85
13	2.99	3	4	12.5	37.4	X	X	585	36.89	43.40	387	27.94	31.31	—	—	—	—	—	—
14	3.00	2	4	5.3	15.9	X	—	583	—	14.11	386	—	9.93	12.2	0.76	22.7	0.86	32.9	0.92
15	3.00	2	6	6.2	18.6	X	—	583	—	18.16	386	—	12.76	—	—	19.6	0.83	29.9	0.90
														5VX600		5VX800		5VX1000	
16	3.00	1	4	6.7	20.1	X	—	583	—	20.36	386	—	14.32	—	—	17.7	0.82	28.2	0.89
17	3.01	2	8	7.0	21.1	X	X	581	17.49	21.67	385	12.67	15.24	—	—	16.4	0.80	27.0	0.88
18	3.01	3	10	12.4	37.4	X	—	581	36.60	43.04	385	27.68	31.03	—	—	—	—	—	—
19	3.03	1	4	5.1	15.5	X	—	577	—	13.19	382	—	9.30	12.8	0.77	23.2	0.86	33.4	0.92
20	3.03	1	4	5.3	16.1	X	—	577	—	14.11	382	—	9.93	12.0	0.76	22.6	0.86	32.8	0.92
														5VX530		5VX710		5VX850	
21	3.03	1	4	6.1	18.5	X	—	577	—	17.71	382	—	12.45	—	—	14.9	0.79	22.3	0.86
22	3.03	2	10	9.2	27.9	X	—	577	26.04	30.89	382	19.06	21.87	—	—	—	—	—	—
23	3.04	2	6	4.3	13.1	X	—	575	—	9.49	381	—	6.73	12.0	0.76	21.4	0.85	28.5	0.89
24	3.04	1	4	4.5	13.7	X	—	575	—	10.42	381	—	7.38	11.3	0.75	20.7	0.85	27.8	0.89
25	3.04	2	4	4.9	14.9	X	—	575	—	12.28	381	—	8.66	—	—	19.3	0.83	26.5	0.88
														5VX600		5VX800		5VX1000	
26	3.04	2	4	6.1	18.6	X	—	575	—	17.71	381	—	12.45	—	—	19.6	0.83	30.0	0.90
27	3.04	2	4	6.6	20.1	X	—	575	—	19.92	381	—	14.01	—	—	17.8	0.81	28.2	0.89
28	3.05	2	4	6.9	21.1	X	—	573	—	21.23	380	—	14.93	—	—	16.5	0.80	27.1	0.88
29	3.06	1	4	9.1	27.9	X	—	571	25.68	30.49	379	18.78	21.57	—	—	—	—	—	—
30	3.07	3	10	10.2	31.4	X	—	570	29.60	34.86	377	21.84	24.79	—	—	—	—	—	—
														5VX500		5VX630		5VX750	
31	3.08	2	6	4.5	13.9	X	—	568	—	10.42	376	—	7.38	—	—	16.4	0.81	22.6	0.86
32	3.09	1	4	6.5	20.1	X	—	566	—	19.48	375	—	13.70	—	—	—	—	15.1	0.79
33	3.09	1	4	8.1	25.1	X	—	566	21.89	26.36	375	15.91	18.59	—	—	—	—	—	—
34	3.10	2	6	4.8	14.9	X	—	564	—	11.81	374	—	8.34	—	—	15.2	0.79	21.4	0.85
35	3.11	2	6	5.1	15.9	X	—	562	—	13.19	372	—	9.30	—	—	14.0	0.78	20.3	0.84
														5VX600		5VX850		5VX1060	
36	3.13	1	4	5.9	18.5	X	—	559	—	16.82	370	—	11.83	—	—	22.5	0.85	33.2	0.92
37	3.13	1	4	7.5	23.5	X	—	559	19.52	23.82	370	14.16	16.77	—	—	16.2	0.79	27.5	0.88
38	3.13	2	10	8.9	27.9	X	—	599	24.93	29.67	370	18.21	20.98	—	—	—	—	22.1	0.84
39	3.13	3	10	15.9	49.9	X	—	—	—	—	370	36.09	40.34	—	—	—	—	—	—
40	3.14	2	4	6.7	21.1	X	—	557	—	20.36	369	—	14.32	—	—	19.3	0.83	30.3	0.90
														5VX500		5VX600		5VX710	
41	3.15	1	4	5.1	16.1	X	—	555	—	13.19	368	—	9.30	—	—	12.1	0.76	18.0	0.82
42	3.15	2	4	5.9	18.6	X	—	555	—	16.82	368	15.33	11.83	—	—	—	—	14.9	0.78
43	3.15	5	10	7.9	24.9	X	—	555	21.11	25.52	368	—	17.98	—	—	—	—	—	—
44	3.16	1	4	4.9	15.5	X	—	553	—	12.28	367	—	8.66	—	—	12.9	0.76	18.7	0.83
45	3.17	2	4	4.7	14.9	X	—	552	—	11.35	365	—	8.02	—	—	13.7	0.78	19.4	0.83
														5VX500		5VX630		5VX750	
46	3.17	2	8	7.4	23.5	X	X	552	19.12	23.39	365	13.86	16.46	—	—	—	—	—	—
47	3.17	2	4	7.9	25.1	X	—	522	21.11	25.52	365	15.33	17.98	—	—	—	—	—	—
48	3.18	1	4	4.3	13.7	X	—	550	—	9.49	364	—	6.73	9.7	0.72	16.7	0.81	22.9	0.86
49	3.18	2	4	5.8	18.5	X	—	550	—	16.37	364	—	11.51	—	—	—	—	17.3	0.81
50	3.19	1	4	6.3	20.1	X	—	548	—	18.60	363	—	13.08	—	—	—	—	15.2	0.79
														5VX600		5VX850		5VX1060	
51	3.19	2	6	6.6	21.1	X	—	548	—	19.92	363	—	14.01	—	—	19.4	0.83	30.4	0.90
52	3.19	3	10	11.7	37.4	X	—	548	34.50	40.53	363	25.87	29.08	—	—	—	—	—	—
53	3.20	2	6	5.8	18.6	X	—	546	—	16.37	362	—	11.51	—	—	22.4	0.85	33.2	0.92
54	3.20	1	4	8.7	27.9	X	—	546	24.19	28.85	362	17.64	20.39	—	—	—	—	22.2	0.84
55	3.21	3	4	15.5	49.9	X	—	—	—	—	361	35.19	39.32	—	—	—	—	—	—
														5VX600		5VX800		5VX1000	
56	3.22	2	4	4.8	15.5	X	—	543	—	11.81	360	—	8.34	13.0	0.76	23.5	0.86	33.6	0.92
57	3.23	2	6	4.3	13.9	X	—	541	—	9.49	359	—	6.73	14.9	0.79	25.3	0.87	35.4	0.92
58	3.23	3	10	9.7	31.4	X	—	541	27.85	32.90	359	20.46	23.34	—	—	—	—	—	—
59	3.24	2	4	4.9	15.9	X	—	540	—	12.28	358	—	8.66	12.5	0.76	23.0	0.86	33.2	0.92
60	3.24	1	4	5.7	18.5	X	—	540	—	15.92	358	—	11.20	—	—	20.0	0.83	30.3	0.90
														5VX500		5VX600		5VX710	
61	3.24	2	4	6.2	20.1	X	—	540	—	18.16	358	—	12.76	—	—	—	—	—	—
62	3.24	2	4	6.5	21.1	X	—	540	—	19.48	358	—	13.70	—	—	—	—	—	—
63	3.26	2	4	5.7	18.6	X	—	536	—	15.92	355	—	11.20	—	—	—	—	15.1	0.78
64	3.28	1	4	4.9	16.1	X	—	533	—	12.28	353	—	8.66	—	—	12.2	0.76	18.2	0.82
65	3.29	1	4	4.7	15.5	X	—	531	—	11.35	352	—	8.02	—	—	13.0	0.76	18.9	0.83
														5VX600		5VX800		5VX1000	
66	3.29	1	4	6.1	20.1	X	—	531	—	17.71	352	—	12.45	—	—	18.1	0.81	28.6	0.89
67	3.30	1	4	7.1	23.5	X	—	530	17.90	22.10	351	12.97	15.55	—	—	—	—	24.6	0.86
68	3.30	3	4	9.5	31.4	X	X	530	27.13	32.10	351	19.90	22.75	—	—	—	—	—	—
69	3.31	2	6	4.5	14.9	X	—	528	—	10.42	350	—	7.38	13.8	0.77	24.2	0.87	34.4	0.92
70	3.31	2	6	4.8	15.9	X	—	528	—	11.81	350	—	8.34	12.5	0.76	23.1	0.86	33.3	0.91
														5VX600		5VX850		5VX1060	
71	3.32	2	10	8.4	27.9	X	X	527	23.05	27.61	349	16.78	19.49	—	—	—	—	22.4	0.84
72	3.33	3	10	11.2	37.4	X	—	525	32.93	38.68	348	24.55	27.66	—	—	—	—	—	—
73	3.34	2	4	6.3	21.1	X	—	523	—	18.60	347	—	13.08	—	—	19.6	0.82	30.6	0.90
74	3.34	1	4	7.5	25.1	X	—	523	19.52	23.82	347	14.16	16.77	—	—	—	—	25.9	0.87
75	3.34	3	10	14.9	49.9	X	—	—	—	—	347	33.81	37.76	—	—	—	—	—	—

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts

Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
5VX950		**5VX1060**		**5VX1180**		**5VX1320**		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		**5V2360**		
30.1	0.90	35.7	0.93	41.7	0.95	48.8	0.98	57.8	1.00	67.8	1.03	77.9	1.05	88.9	1.07	100.9	1.09	1
27.4	0.89	33.0	0.92	39.1	0.94	46.1	0.97	55.2	1.00	65.2	1.02	75.3	1.04	86.3	1.07	98.3	1.09	2
—	—	21.7	0.84	28.1	0.89	35.4	0.93	44.7	0.96	54.9	1.00	65.0	1.02	76.1	1.05	88.2	1.07	3
30.3	0.90	35.9	0.93	42.0	0.95	49.0	0.98	58.0	1.00	68.1	1.03	78.1	1.05	89.1	1.07	101.1	1.09	4
32.6	0.92	38.1	0.94	44.2	0.96	51.2	0.98	60.2	1.01	70.2	1.03	80.3	1.05	91.3	1.07	103.3	1.09	5
5VX850		**5VX950**		**5VX1060**		**5VX1180**		**5VX1320**		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		
22.1	0.86	27.3	0.89	32.9	0.92	39.0	0.94	46.0	0.97	55.1	1.00	65.2	1.02	75.2	1.04	86.2	1.07	6
—	—	19.6	0.83	25.5	0.87	31.8	0.91	39.0	0.94	48.2	0.98	58.3	1.01	68.4	1.03	79.4	1.05	7
19.1	0.83	24.4	0.87	30.0	0.90	36.2	0.93	43.3	0.96	52.4	0.99	62.5	1.02	72.5	1.04	83.6	1.06	8
—	—	21.4	0.84	27.2	0.89	33.4	0.92	40.6	0.95	49.7	0.98	59.8	1.01	69.9	1.03	81.0	1.06	9
25.1	0.88	30.1	0.90	35.7	0.93	41.8	0.95	48.8	0.98	57.9	1.00	67.9	1.03	77.9	1.05	89.0	1.07	10
5VX1250		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		**5V2500**		**5V2800**		**5V3150**		
42.7	0.96	50.2	0.98	60.3	1.01	70.3	1.03	80.4	1.05	92.4	1.08	105.4	1.10	120.5	1.12	138.0	1.14	11
35.2	0.93	42.9	0.96	53.0	0.99	63.2	1.02	73.2	1.04	85.3	1.06	98.3	1.09	113.4	1.11	130.9	1.13	12
—	—	28.1	0.88	38.8	0.93	49.3	0.98	59.5	1.01	71.7	1.04	84.9	1.06	100.1	1.09	117.7	1.11	13
45.5	0.97	53.1	0.99	63.1	1.02	73.2	1.04	83.2	1.06	95.2	1.08	108.2	1.10	123.2	1.12	140.8	1.14	14
42.6	0.96	50.1	0.98	60.2	1.01	70.3	1.03	80.3	1.05	92.3	1.08	105.3	1.10	120.4	1.12	137.9	1.14	15
5VX1250		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		**5V2500**		**5V2800**		**5V3150**		
40.9	0.95	48.5	0.98	58.6	1.01	68.6	1.03	78.7	1.05	90.7	1.07	103.7	1.09	118.8	1.11	136.3	1.14	16
39.8	0.95	47.4	0.97	57.5	1.00	67.6	1.03	77.6	1.05	89.7	1.07	102.7	1.09	117.7	1.11	135.3	1.14	17
—	—	28.2	0.88	38.9	0.93	49.3	0.97	59.6	1.01	71.8	1.04	85.0	1.06	100.1	1.09	117.7	1.11	18
46.0	0.97	53.6	0.99	63.6	1.02	73.6	1.04	83.7	1.06	95.7	1.08	108.7	1.10	123.7	1.12	141.2	1.14	19
45.4	0.97	52.9	0.99	63.0	1.02	73.0	1.04	83.0	1.06	95.0	1.08	108.1	1.10	123.1	1.12	140.6	1.14	20
5VX950		**5VX1060**		**5VX1180**		**5VX1320**		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		**5V2360**		
27.5	0.89	33.1	0.92	39.2	0.94	46.3	0.97	55.3	1.00	65.4	1.02	75.4	1.04	86.5	1.06	98.5	1.09	21
—	—	21.9	0.84	28.3	0.89	35.7	0.93	44.9	0.96	55.1	1.00	65.2	1.02	76.3	1.05	88.4	1.07	22
33.6	0.92	39.1	0.94	45.1	0.96	52.2	0.99	61.2	1.01	71.2	1.03	81.2	1.05	92.2	1.07	104.2	1.09	23
32.9	0.92	38.4	0.94	44.5	0.96	51.5	0.98	60.5	1.01	70.6	1.03	80.6	1.05	91.6	1.07	103.6	1.09	24
31.6	0.91	37.1	0.93	43.2	0.96	50.2	0.98	59.2	1.01	69.3	1.03	79.3	1.05	90.3	1.07	102.3	1.09	25
5VX1250		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		**5V2500**		**5V2800**		**5V3150**		
42.7	0.96	50.2	0.98	60.3	1.01	70.3	1.03	80.4	1.05	92.4.	1.08	105.4	1.10	120.4	1.12	138.0	1.14	26
41.0	0.95	48.6	0.98	58.7	1.01	68.7	1.03	78.8	1.05	90.8	1.07	103.8	1.09	118.8	1.11	136.4	1.14	27
39.9	0.95	47.5	0.97	57.6	1.00	67.6	1.03	77.7	1.05	89.7	1.07	102.8	1.09	117.8	1.11	135.3	1.14	28
32.1	0.91	39.8	0.94	50.1	0.98	60.2	1.01	70.3	1.03	82.4	1.06	95.5	1.08	110.6	1.10	128.1	1.13	29
27.8	0.88	35.8	0.92	46.1	0.97	56.3	1.00	66.5	1.02	78.6	1.05	91.7	1.07	106.8	1.10	124.4	1.12	30
5VX850		**5VX950**		**5VX1060**		**5VX1180**		**5VX1320**		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		
27.7	0.89	32.7	0.91	38.3	0.94	44.3	0.96	51.3	0.98	60.4	1.01	70.4	1.03	80.4	1.05	91.4	1.07	31
20.5	0.84	25.7	0.88	31.4	0.91	37.5	0.94	44.6	0.96	53.7	0.99	63.8	1.02	73.8	1.04	84.8	1.06	32
—	—	19.6	0.82	25.5	0.87	31.8	0.91	39.0	0.94	48.2	0.97	58.3	1.00	68.4	1.03	79.5	1.05	33
26.6	0.88	31.6	0.91	37.2	0.93	43.2	0.96	50.3	0.98	59.3	1.01	69.4	1.03	79.4	1.05	90.4	1.07	34
25.4	0.88	30.5	0.90	36.1	0.93	42.2	0.95	49.2	0.98	58.3	1.00	68.3	1.03	78.3	1.05	89.4	1.07	35
5VX1320		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		**5V2360**		**5V2650**		**5V3000**		**5V3350**		
46.4	0.97	55.5	1.00	65.5	1.02	75.6	1.04	86.6	1.06	98.6	1.08	113.2	1.11	130.7	1.13	148.2	1.15	36
40.9	0.95	50.0	0.98	60.1	1.01	70.2	1.03	81.3	1.06	93.3	1.08	107.9	1.10	125.4	1.12	142.9	1.14	37
35.9	0.92	45.1	0.96	55.3	0.99	65.4	1.02	76.5	1.05	88.6	1.07	103.2	1.09	120.7	1.12	138.3	1.14	38
—	—	—	—	—	—	39.7	0.92	51.6	0.97	64.1	1.01	79.0	1.05	96.9	1.08	114.6	1.11	39
43.6	0.96	52.7	0.99	62.8	1.01	72.8	1.04	83.9	1.06	95.9	1.08	110.4	1.10	128.0	1.13	145.5	1.15	40
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
22.7	0.86	27.8	0.89	32.9	0.91	39.0	0.94	45.5	0.96	53.1	0.99	63.1	1.01	73.2	1.04	83.2	1.06	41
19.7	0.83	25.0	0.87	30.1	0.90	36.2	0.93	42.8	0.96	50.4	0.98	60.4	1.01	70.5	1.03	80.5	1.05	42
—	—	17.2	0.80	22.7	0.85	29.0	0.89	35.7	0.93	43.4	0.96	53.6	0.99	63.7	1.02	73.8	1.04	43
23.4	0.86	28.5	0.89	33.6	0.92	39.6	0.94	46.2	0.97	53.7	0.99	63.8	1.02	73.8	1.04	83.8	1.06	44
24.1	0.87	29.2	0.90	34.2	0.92	40.3	0.95	46.8	0.97	54.4	0.99	64.4	1.02	74.4	1.04	84.5	1.06	45
5VX850		**5VX950**		**5VX1060**		**5VX1180**		**5VX1320**		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		
16.3	0.79	21.8	0.84	27.6	0.88	33.8	0.92	41.0	0.95	50.1	0.98	60.2	1.01	70.3	1.03	81.3	1.06	46
—	—	19.7	0.82	25.7	0.87	31.9	0.91	39.2	0.94	48.3	0.97	58.5	1.00	68.6	1.03	79.6	1.05	47
28.0	0.89	33.0	0.91	38.6	0.94	44.6	0.96	51.7	0.98	60.7	1.01	70.7	1.03	80.7	1.05	91.7	1.07	48
22.5	0.85	27.7	0.89	33.3	0.92	39.4	0.94	46.5	0.97	55.6	1.00	65.6	1.02	75.7	1.04	86.7	1.06	49
20.6	0.84	25.9	0.88	31.5	0.91	37.6	0.93	44.7	0.96	53.8	0.99	63.9	1.02	74.0	1.04	85.0	1.06	50
5VX1320		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		**5V2360**		**5V2650**		**5V3000**		**5V3350**		
43.7	0.96	52.8	0.99	62.8	1.01	72.9	1.04	83.9	1.06	96.0	1.08	110.5	1.10	128.1	1.13	145.6	1.15	51
—	—	34.0	0.91	44.6	0.95	55.0	0.99	66.2	1.02	78.4	1.05	93.1	1.08	110.7	1.10	128.3	1.13	52
46.4	0.97	55.5	0.99	65.5	1.02	75.6	1.04	86.6	1.06	98.6	1.08	113.2	1.11	130.7	1.13	148.2	1.15	53
36.0	0.92	45.3	0.96	55.4	0.99	65.6	1.02	76.7	1.05	88.7	1.07	103.3	1.09	120.9	1.12	138.4	1.14	54
—	—	—	—	—	—	40.0	0.92	51.8	0.97	64.4	1.01	79.3	1.05	97.1	1.08	114.9	1.11	55
5VX1250		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		**5V2500**		**5V2800**		**5V3150**		
46.3	0.97	53.8	0.99	63.8	1.02	73.9	1.04	83.9	1.06	95.6	1.08	108.9	1.10	123.9	1.12	141.5	1.14	56
48.0	0.97	55.5	0.99	65.5	1.02	75.6	1.04	85.6	1.06	97.6	1.08	110.6	1.10	125.6	1.12	143.1	1.14	57
28.2	0.88	36.1	0.92	46.5	0.96	56.7	1.00	66.9	1.02	79.0	1.05	92.1	1.07	107.2	1.10	124.8	1.12	58
45.8	0.96	53.4	0.99	63.4	1.01	73.5	1.04	83.5	1.06	95.5	1.08	108.5	1.10	123.5	1.12	141.1	1.14	59
43.0	0.96	50.6	0.98	60.7	1.01	70.7	1.03	80.7	1.05	92.8	1.07	105.8	1.10	120.8	1.12	138.4	1.14	60
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
18.0	0.81	23.3	0.86	28.5	0.89	34.7	0.92	41.3	0.95	48.9	0.97	58.9	1.00	69.0	1.03	79.0	1.05	61
16.8	0.80	22.1	0.85	27.4	0.88	33.5	0.92	40.2	0.94	47.8	0.97	57.9	1.00	67.9	1.03	78.0	1.05	62
19.9	0.83	25.1	0.87	30.2	0.90	36.4	0.93	42.9	0.95	50.5	0.98	60.6	1.01	70.6	1.03	80.7	1.05	63
22.8	0.86	28.0	0.89	33.0	0.91	39.1	0.94	45.7	0.96	53.2	0.99	63.3	1.01	73.3	1.04	83.3	1.06	64
23.5	0.86	28.6	0.89	33.7	0.92	39.8	0.94	46.3	0.97	53.9	0.99	63.9	1.02	73.9	1.04	84.0	1.06	65
5VX1250		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		**5V2500**		**5V2800**		**5V3150**		
41.3	0.95	48.9	0.97	59.0	1.00	69.1	1.03	79.1	1.05	91.2	1.07	104.2	1.09	119.2	1.11	136.8	1.14	66
37.6	0.93	45.2	0.96	55.4	0.99	65.5	1.02	75.5	1.04	87.6	1.07	100.6	1.09	115.7	1.11	133.2	1.13	67
28.3	0.88	36.2	0.92	46.6	0.96	56.8	1.00	67.0	1.02	79.1	1.05	92.2	1.07	107.3	1.10	124.9	1.12	68
47.0	0.97	54.5	0.99	64.6	1.02	74.6	1.04	84.6	1.06	96.6	1.08	109.6	1.10	124.7	1.12	142.2	1.14	69
45.9	0.96	53.5	0.99	63.5	1.01	73.5	1.04	83.6	1.06	95.6	1.08	108.6	1.10	123.6	1.12	141.1	1.14	70
5VX1320		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		**5V2360**		**5V2650**		**5V3000**		**5V3350**		
36.2	0.92	45.5	0.96	55.7	0.99	65.8	1.02	76.9	1.05	89.0	1.07	103.5	1.09	121.1	1.12	138.7	1.14	71
—	—	34.4	0.90	44.9	0.95	55.3	0.99	66.6	1.02	78.8	1.05	93.4	1.07	111.1	1.10	128.7	1.13	72
43.9	0.96	53.0	0.99	63.1	1.01	73.1	1.04	84.2	1.06	96.2	1.08	110.7	1.10	128.3	1.13	145.8	1.15	73
39.4	0.94	48.6	0.97	58.8	1.00	68.8	1.03	79.9	1.05	92.0	1.07	106.5	1.10	124.1	1.12	141.6	1.14	74
—	—	—	—	—	—	40.4	0.92	52.2	0.97	64.8	1.01	79.7	1.05	97.6	1.08	115.3	1.11	75

B

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Pitch Diameter Driver	Pitch Diameter Driven	Type Fix.	Type Var.	Nominal Driven Speeds and Horsepower per Belt — 1750 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	1160 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	Center Distance in Inches and "F" Factor for Browning Belts: Belt No.	C.D.	F	Belt No.	C.D.	F	Belt No.	C.D.	F
														5VX600			5VX800			5VX1000		
1	3.35	2	4	4.8	16.1	x	—	522	—	11.81	346	—	8.34	12.3	0.76		22.9	0.86		33.1	0.91	
2	3.35	2	8	7.0	23.5	x	x	522	17.49	21.67	346	12.67	15.24	—	—		—	—		24.7	0.86	
3	3.36	1	4	5.5	18.5	x	—	520	—	15.02	345	—	10.57	—	—		20.1	0.83		30.5	0.90	
4	3.36	5	8	7.4	24.9	x	x	520	19.12	23.39	345	13.86	16.46	—	—		—	—		23.0	0.85	
5	3.36	3	4	11.1	37.4	x	—	520	32.60	38.30	345	24.28	27.38	—	—		—	—		—	—	
														5VX500			5VX600			5VX710		
6	3.38	2	4	4.7	15.9	x	—	517	—	11.35	343	—	8.02	—	—		12.6	0.76		18.5	0.82	
7	3.38	2	4	5.5	18.6	x	—	517	—	15.02	343	—	10.57	—	—		—	—		15.2	0.78	
8	3.39	2	4	7.4	25.1	x	x	516	19.23	23.39	342	13.93	16.46	—	—		—	—		—	—	
9	3.40	1	4	5.9	20.1	x	—	514	—	16.82	341	—	11.83	—	—		—	—		—	—	
10	3.40	2	6	6.2	21.1	x	—	514	—	18.16	341	—	12.76	—	—		—	—		—	—	
														5VX560			5VX750			5VX900		
11	3.40	1	4	6.9	23.5	x	—	514	—	21.23	341	—	14.93	—	—		—	—		19.4	0.82	
12	3.41	3	10	9.2	31.4	x	—	513	26.16	30.89	340	19.14	21.87	—	—		—	—		—	—	
13	3.42	1	4	4.7	16.1	x	—	511	—	11.35	339	—	8.02	—	—		20.4	0.84		28.1	0.89	
14	3.42	2	4	5.4	18.5	x	—	511	—	14.56	339	—	10.25	—	—		17.5	0.81		25.4	0.87	
15	3.44	1	4	4.5	15.5	x	—	508	—	10.42	337	—	7.38	10.9	0.73		21.1	0.84		28.8	0.89	
														5VX560			5VX750			5VX900		
16	3.44	2	6	5.4	18.6	x	—	508	—	14.56	337	—	10.25	—	—		17.4	0.81		25.3	0.87	
17	3.44	1	4	8.1	27.9	x	—	508	22.00	26.36	337	15.99	18.59	—	—		—	—		—	—	
18	3.45	2	4	6.1	21.1	x	—	507	—	17.71	336	—	12.45	—	—		—	—		22.4	0.85	
19	3.45	3	4	9.1	31.4	x	—	507	25.79	30.49	336	18.85	21.57	—	—		—	—		—	—	
20	3.46	2	6	4.3	14.9	x	—	505	—	9.49	335	—	6.73	11.7	0.75		21.8	0.85		29.5	0.89	
														5VX600			5VX800			5VX1000		
21	3.46	2	4	5.8	20.1	x	—	505	—	16.37	335	—	11.51	—	—		18.3	0.81		28.8	0.89	
22	3.46	3	10	10.8	37.4	x	—	505	31.74	37.17	335	23.55	26.52	—	—		—	—		—	—	
23	3.49	1	4	5.3	18.5	x	—	501	—	14.11	332	—	9.93	—	—		20.2	0.83		30.6	0.90	
24	3.50	2	4	5.3	18.6	x	—	500	—	14.11	331	—	9.93	—	—		20.1	0.83		30.5	0.90	
25	3.50	1	4	6.7	23.5	x	—	500	—	20.36	331	—	14.32	—	—		—	—		24.9	0.86	
														5VX560			5VX750			5VX900		
26	3.52	1	4	5.7	20.1	x	—	497	—	15.92	329	—	11.20	—	—		15.6	0.79		23.7	0.86	
27	3.52	3	10	8.9	31.4	x	—	497	25.05	29.67	329	18.29	20.98	—	—		—	—		—	—	
28	3.53	2	6	4.5	15.9	x	—	495	—	10.42	328	—	7.38	—	—		20.7	0.84		28.4	0.89	
29	3.53	1	4	7.1	25.1	x	—	495	18.02	22.10	328	13.04	15.55	—	—		—	—		17.4	0.79	
30	3.53	2	10	7.9	27.9	x	—	495	21.22	25.52	328	15.40	17.98	—	—		—	—		—	—	
														5VX500			5VX600			5VX710		
31	3.55	5	8	7.0	24.9	x	x	492	17.61	21.67	326	12.75	15.24	—	—		—	—		—	—	
32	3.56	2	6	6.6	23.5	x	—	491	—	19.92	325	—	14.01	—	—		—	—		—	—	
33	3.57	1	4	4.5	16.1	x	—	490	—	10.42	324	—	7.38	—	—		12.5	0.75		18.4	0.82	
34	3.57	2	4	5.9	21.1	x	—	490	—	16.82	324	—	11.83	—	—		—	—		—	—	
35	3.58	2	4	7.0	25.1	x	x	488	17.61	21.67	324	12.75	15.24	—	—		—	—		—	—	
														5VX600			5VX850			5VX1060		
36	3.58	3	10	13.9	49.9	x	—	488	40.76	48.15	324	31.50	35.11	—	—		—	—		—	—	
37	3.60	1	4	4.3	15.5	x	—	486	—	9.49	322	—	6.73	13.3	0.76		26.4	0.88		37.0	0.93	
38	3.60	3	4	8.7	31.4	x	—	486	24.30	28.85	322	17.71	20.39	—	—		—	—		—	—	
39	3.61	1	4	6.5	23.5	x	—	484	—	19.48	321	—	13.70	—	—		16.8	0.78		28.2	0.88	
40	3.62	1	4	5.1	18.5	x	—	483	—	13.19	320	—	9.30	—	—		23.0	0.85		33.8	0.91	
														5VX600			5VX850			5VX1060		
41	3.63	2	6	5.8	21.1	x	—	482	—	16.37	319	—	11.51	—	—		19.9	0.82		30.9	0.90	
42	3.63	1	4	6.9	25.1	x	—	482	—	21.23	319	—	14.93	—	—		—	—		26.3	0.87	
43	3.64	2	6	5.1	18.6	x	—	480	—	13.19	319	—	9.30	—	—		22.9	0.85		33.7	0.91	
44	3.64	3	4	13.7	49.9	x	—	480	40.26	47.49	318	31.01	34.58	—	—		—	—		—	—	
45	3.65	1	4	5.5	20.1	x	—	479	—	15.02	317	—	10.57	—	—		21.1	0.83		32.1	0.90	
														5VX600			5VX800			5VX1000		
46	3.66	3	10	10.2	37.4	x	—	478	29.71	34.86	316	21.92	24.79	—	—		—	—		—	—	
47	3.69	2	6	4.3	15.9	x	—	474	—	9.49	314	—	6.73	12.8	0.76		23.4	0.86		33.6	0.91	
48	3.70	2	4	5.7	21.1	x	—	472	—	15.92	313	—	11.20	—	—		17.3	0.80		27.9	0.88	
49	3.72	2	4	5.4	20.1	x	—	470	—	14.56	311	—	10.25	—	—		18.5	0.81		29.1	0.89	
50	3.72	1	4	7.5	27.9	x	—	470	19.63	23.82	311	14.23	16.77	—	—		—	—		19.6	0.80	
														5VX560			5VX750			5VX900		
51	3.73	1	4	6.3	23.5	x	—	469	—	18.60	310	—	13.08	—	—		—	—		19.7	0.81	
52	3.73	3	10	8.4	31.4	x	x	469	23.16	27.61	310	16.85	19.49	—	—		—	—		—	—	
53	3.74	1	4	4.3	16.1	x	—	467	—	9.49	310	—	6.73	—	—		20.6	0.83		28.4	0.89	
54	3.74	1	4	6.7	25.1	x	—	467	—	20.36	310	—	14.32	—	—		—	—		17.7	0.78	
55	3.77	1	4	4.9	18.5	x	—	464	—	12.28	307	—	8.66	—	—		17.8	0.81		25.7	0.87	
														5VX530			5VX670			5VX800		
56	3.77	5	6	6.6	24.9	x	—	464	—	19.92	307	—	14.01	—	—		—	—		—	—	
57	3.77	2	8	7.4	27.9	x	x	464	19.23	23.39	307	13.93	16.46	—	—		—	—		—	—	
58	3.79	2	4	4.9	18.6	x	—	461	—	12.28	306	—	8.66	—	—		13.3	0.75		20.4	0.83	
59	3.79	1	4	5.3	20.1	x	—	461	—	14.11	306	—	9.93	—	—		—	—		18.6	0.81	
60	3.79	2	6	6.2	23.5	x	—	461	—	18.16	306	—	12.76	—	—		—	—		—	—	
														5VX600			5VX850			5VX1060		
61	3.80	2	4	6.6	25.1	x	—	460	—	19.92	305	—	14.01	18.3	0.74		—	—		26.5	0.86	
62	3.80	3	10	13.1	49.9	x	—	460	38.68	45.48	305	29.53	32.95	—	—		—	—		—	—	
63	3.83	2	4	5.5	21.1	x	—	456	—	15.02	302	—	10.57	—	—		20.1	0.82		31.1	0.90	
64	3.85	2	4	4.8	18.5	x	—	454	—	11.81	301	—	8.34	—	—		23.2	0.85		34.0	0.91	
65	3.85	1	4	6.1	23.5	x	—	454	—	17.71	301	—	12.45	—	—		17.1	0.78		28.4	0.88	
														5VX600			5VX800			5VX1000		
66	3.85	3	10	9.7	37.4	x	—	454	27.96	32.90	301	20.54	23.34	—	—		—	—		—	—	
67	3.86	1	4	6.5	25.1	x	—	453	—	19.48	300	—	13.70	—	—		—	—		23.4	0.84	
68	3.87	2	6	4.8	18.6	x	—	452	—	11.81	299	—	8.34	—	—		20.5	0.83		30.9	0.90	
69	3.87	3	4	8.1	31.4	x	—	452	22.00	26.36	299	15.99	18.59	—	—		—	—		—	—	
70	3.90	2	6	5.4	21.1	x	—	448	—	14.56	297	—	10.25	—	—		17.4	0.80		28.1	0.88	
					.									5VX600			5VX800			5VX1000		
71	3.92	1	4	7.1	27.9	x	—	446	18.02	22.10	295	13.04	15.55	—	—		—	—		19.8	0.80	
72	3.93	1	4	4.7	18.5	x	—	445	—	11.35	295	—	8.02	—	—		20.6	0.83		31.0	0.90	
73	3.93	3	4	9.5	37.4	x	x	445	27.24	32.10	295	19.98	22.75	—	—		—	—		—	—	
74	3.94	1	4	5.1	20.1	x	—	444	—	13.19	294	—	9.30	—	—		18.7	0.81		29.3	0.89	
75	3.95	2	4	4.7	18.6	x	—	443	—	11.35	293	—	8.02	—	—		20.5	0.83		30.9	0.90	

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc-Length Factor (F) using Browning Belts

Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
5VX1250		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		**5V2500**		**5V2800**		**5V3150**		
45.7	0.96	53.3	0.99	63.3	1.01	73.4	1.04	83.4	1.06	95.4	1.08	108.4	1.10	123.5	1.12	141.0	1.14	1
37.7	0.93	45.3	0.96	55.4	0.99	65.5	1.02	75.6	1.04	87.7	1.07	100.7	1.09	115.8	1.11	133.3	1.13	2
43.2	0.95	50.7	0.98	60.8	1.01	70.9	1.03	80.9	1.05	92.9	1.07	106.0	1.09	121.0	1.12	138.5	1.14	3
36.1	0.92	43.8	0.96	53.9	0.99	64.0	1.02	74.1	1.04	86.2	1.06	99.3	1.09	114.3	1.11	131.9	1.13	4
—	—	29.0	0.88	39.8	0.93	50.2	0.97	60.5	1.00	72.7	1.03	85.9	1.06	101.1	1.09	118.7	1.11	5
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
23.2	0.86	28.3	0.89	33.4	0.91	39.4	0.94	46.0	0.96	53.5	0.99	63.6	1.01	73.6	1.04	83.6	1.06	6
20.0	0.83	25.2	0.87	30.4	0.90	36.5	0.93	43.1	0.95	50.7	0.98	60.7	1.01	70.8	1.03	80.8	1.05	7
—	—	17.2	0.79	22.8	0.84	29.1	0.89	35.9	0.92	43.6	0.95	53.8	0.99	63.9	1.02	74.0	1.04	8
18.2	0.81	23.5	0.86	28.7	0.89	34.9	0.92	41.5	0.95	49.1	0.97	59.2	1.00	69.2	1.03	79.3	1.05	9
16.9	0.80	22.3	0.85	27.6	0.88	33.7	0.91	40.4	0.94	48.0	0.97	58.1	1.00	68.2	1.03	78.2	1.05	10
5VX1000		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		**5V2500**		
24.7	0.86	31.0	0.90	37.7	0.93	45.4	0.96	55.5	0.99	65.6	1.02	75.7	1.04	87.7	1.07	100.8	1.09	11
—	—	21.3	0.81	28.5	0.87	36.4	0.92	46.8	0.96	57.0	1.00	67.2	1.02	79.4	1.05	92.5	1.07	12
33.2	0.91	39.3	0.94	45.8	0.96	53.4	0.99	63.4	1.01	73.5	1.04	83.5	1.06	95.5	1.08	108.5	1.10	13
30.5	0.90	36.7	0.93	43.2	0.95	50.8	0.98	60.9	1.01	70.9	1.03	51.0	1.05	93.0	1.07	106.0	1.09	14
33.9	0.92	39.9	0.94	46.5	0.97	54.0	0.99	64.1	1.02	74.1	1.04	84.1	1.06	96.1	1.08	109.2	1.10	15
5VX1000		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		**5V2500**		
30.4	0.90	36.6	0.93	43.2	0.95	50.7	0.98	60.8	1.01	70.9	1.03	80.9	1.05	92.9	1.07	106.6	1.09	16
19.2	0.80	25.9	0.86	32.7	0.90	40.5	0.94	50.8	0.98	60.9	1.01	71.1	1.03	83.2	1.06	96.2	1.08	17
27.6	0.88	33.8	0.91	40.5	0.94	48.1	0.97	58.2	1.00	68.2	1.03	78.3	1.05	90.3	1.07	103.4	1.09	18
—	—	21.3	0.81	28.5	0.87	36.5	0.92	46.9	0.96	57.1	1.00	67.3	1.02	79.4	1.05	92.5	1.07	19
34.5	0.92	40.6	0.94	47.1	0.97	54.7	0.99	64.7	1.02	74.7	1.04	84.8	1.06	96.8	1.08	109.8	1.10	20
5VX1250		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		**5V2500**		**5V2800**		**5V3150**		
41.6	0.95	49.1	0.97	59.2	1.00	69.3	1.03	79.3	1.05	91.4	1.07	104.4	1.09	119.5	1.11	137.0	1.14	21
—	—	29.2	0.88	40.0	0.93	50.4	0.97	60.7	1.00	73.0	1.03	86.1	1.06	101.3	1.09	118.9	1.11	22
43.3	0.95	50.9	0.98	61.0	1.01	71.0	1.03	81.0	1.05	93.1	1.07	106.1	1.09	121.1	1.12	138.7	1.14	23
43.2	0.95	50.8	0.98	60.9	1.01	70.9	1.03	81.0	1.05	93.0	1.07	106.0	1.09	121.1	1.12	138.6	1.14	24
37.9	0.93	45.5	0.96	55.7	0.99	65.8	1.02	75.8	1.04	87.9	1.06	100.9	1.09	116.0	1.11	133.5	1.13	25
5VX1000		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		**5V2500**		
28.8	0.89	35.0	0.92	41.6	0.95	49.2	0.97	59.3	1.00	69.4	1.03	79.4	1.05	91.5	1.07	104.5	1.09	26
—	—	21.5	0.81	28.7	0.87	36.6	0.92	47.0	0.96	57.3	0.99	67.4	1.02	79.6	1.05	92.7	1.07	27
33.5	0.91	39.6	0.94	46.1	0.96	53.7	0.99	63.7	1.01	73.8	1.04	83.8	1.06	95.8	1.08	108.8	1.10	28
23.0	0.84	29.3	0.89	36.1	0.92	43.8	0.95	54.0	0.99	64.1	1.01	74.2	1.04	86.3	1.06	99.3	1.08	29
19.3	0.80	26.0	0.86	32.9	0.90	40.7	0.94	50.9	0.98	61.1	1.01	71.2	1.03	83.3	1.06	96.4	1.08	30
5VX800		**5VX900**		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		
—	—	17.7	0.79	23.2	0.84	29.6	0.89	36.4	0.92	44.0	0.95	54.2	0.99	64.3	1.02	74.4	1.04	31
—	—	19.6	0.82	24.9	0.86	31.2	0.90	37.9	0.93	45.6	0.96	55.7	0.99	65.8	1.02	75.9	1.04	32
23.1	0.85	28.2	0.89	33.3	0.91	39.4	0.94	46.0	0.96	53.5	0.99	63.6	1.01	73.6	1.04	83.6	1.06	33
17.1	0.80	22.5	0.84	27.8	0.88	34.0	0.91	40.6	0.94	48.2	0.97	58.3	1.00	68.4	1.02	78.4	1.05	34
—	—	17.5	0.78	23.0	0.84	29.4	0.89	36.2	0.92	43.9	0.95	54.0	0.99	64.2	1.01	74.3	1.04	35
5VX1320		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		**5V2360**		**5V2650**		**5V3000**		**5V3350**		
—	—	—	—	—	—	41.0	0.93	52.9	0.97	65.4	1.01	80.4	1.04	98.3	1.08	116.0	1.11	36
50.1	0.98	59.2	1.00	69.2	1.03	79.3	1.05	90.3	1.07	102.3	1.09	116.8	1.11	134.3	1.13	151.9	1.15	37
32.5	0.90	42.0	0.94	52.3	0.98	62.5	1.01	73.6	1.04	85.8	1.06	100.4	1.08	118.0	1.11	135.5	1.13	38
41.6	0.94	50.7	0.98	60.9	1.01	70.9	1.03	82.0	1.05	94.1	1.08	108.6	1.10	126.2	1.12	143.7	1.14	39
47.0	0.97	56.1	0.99	66.1	1.02	76.2	1.04	87.2	1.06	99.2	1.08	113.8	1.11	131.3	1.13	148.8	1.15	40
5VX1320		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		**5V2360**		**5V2650**		**5V3000**		**5V3350**		
44.2	0.96	53.3	0.99	63.4	1.01	73.5	1.04	84.5	1.06	96.6	1.08	111.1	1.10	128.7	1.12	146.2	1.15	41
39.8	0.94	49.0	0.97	59.2	1.00	69.3	1.03	80.4	1.05	92.4	1.07	107.0	1.10	124.5	1.12	142.1	1.14	42
46.9	0.97	56.0	0.99	66.1	1.02	76.1	1.04	87.1	1.06	99.2	1.08	113.7	1.11	131.2	1.13	148.7	1.15	43
—	—	—	—	—	—	41.1	0.93	53.0	0.97	65.6	1.01	80.5	1.04	98.4	1.08	116.2	1.11	44
45.3	0.96	54.4	0.99	64.5	1.02	74.5	1.04	85.6	1.06	97.6	1.08	112.2	1.10	129.7	1.13	147.2	1.15	45
5VX1250		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		**5V2500**		**5V2800**		**5V3150**		
—	—	29.5	0.87	40.3	0.93	50.6	0.97	61.1	1.00	73.4	1.03	86.6	1.06	101.7	1.09	119.4	1.11	46
46.3	0.96	53.8	0.99	63.9	1.01	73.9	1.04	83.9	1.06	96.0	1.08	109.0	1.10	124.0	1.12	141.5	1.14	47
40.7	0.94	48.3	0.97	58.5	1.00	68.5	1.02	78.6	1.05	90.6	1.07	103.7	1.09	118.7	1.11	136.2	1.13	48
41.8	0.95	49.4	0.97	59.5	1.00	69.6	1.03	79.6	1.05	91.7	1.07	104.7	1.09	119.8	1.11	137.3	1.13	49
33.1	0.90	40.9	0.94	51.2	0.98	61.4	1.01	71.5	1.03	83.6	1.06	96.7	1.08	111.7	1.10	129.3	1.13	50
5VX1000		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		**5V2500**		
25.1	0.86	31.4	0.90	38.1	0.93	45.8	0.96	55.9	0.99	66.0	1.02	76.1	1.04	88.2	1.06	101.2	1.09	51
—	—	21.8	0.81	29.0	0.87	37.0	0.92	47.4	0.96	57.6	0.99	67.8	1.02	79.9	1.05	93.0	1.07	52
33.5	0.91	39.5	0.94	46.1	0.96	53.7	0.99	63.7	1.01	73.8	1.04	83.8	1.06	95.8	1.08	108.8	1.10	53
23.2	0.84	29.6	0.89	36.4	0.92	44.1	0.95	54.3	0.99	64.4	1.01	74.5	1.04	86.5	1.06	99.6	1.08	54
30.9	0.90	37.0	0.93	43.6	0.95	51.2	0.98	61.3	1.01	71.3	1.03	81.3	1.05	93.4	1.07	106.4	1.09	55
5VX900		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		
18.0	0.79	23.5	0.84	29.9	0.89	36.6	0.92	44.3	0.95	54.5	0.99	64.6	1.01	74.7	1.04	86.8	1.06	56
—	—	19.7	0.80	26.3	0.86	33.2	0.90	41.0	0.94	51.3	0.98	61.4	1.01	71.6	1.03	83.7	1.06	57
25.6	0.87	30.8	0.90	36.9	0.93	43.5	0.95	51.1	0.98	61.2	1.01	71.2	1.03	81.3	1.05	93.3	1.07	58
23.9	0.85	29.1	0.89	35.3	0.92	41.9	0.95	49.5	0.97	59.6	1.00	69.7	1.03	79.7	1.05	91.8	1.07	59
19.8	0.81	25.2	0.86	31.5	0.90	38.2	0.93	45.9	0.96	56.0	0.99	66.1	1.02	76.2	1.04	88.3	1.06	60
5VX1320		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		**5V2360**		**5V2650**		**5V3000**		**5V3350**		
40.0	0.94	49.2	0.97	59.4	1.00	69.5	1.03	80.6	1.05	92.7	1.07	107.2	1.09	124.8	1.12	142.3	1.14	61
—	—	—	—	—	—	41.5	0.92	53.4	0.97	66.0	1.01	81.0	1.04	98.8	1.08	116.6	1.10	62
44.4	0.95	53.6	0.98	63.6	1.01	73.7	1.04	84.8	1.06	96.8	1.08	111.3	1.10	128.9	1.12	146.4	1.14	63
47.2	0.96	56.3	0.99	66.4	1.02	76.4	1.04	87.4	1.06	99.5	1.08	114.0	1.10	131.5	1.13	149.1	1.15	64
41.9	0.94	51.0	0.98	61.1	1.01	71.2	1.03	82.3	1.05	94.4	1.07	108.9	1.10	126.5	1.12	144.0	1.14	65
5VX1250		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		**5V2500**		**5V2800**		**5V3150**		
—	—	29.8	0.87	40.7	0.93	51.2	0.97	61.5	1.00	73.7	1.03	86.9	1.06	102.1	1.09	119.7	1.11	66
36.5	0.92	44.2	0.95	54.4	0.99	64.5	1.01	74.6	1.04	86.7	1.06	99.8	1.08	114.8	1.11	132.4	1.13	67
43.6	0.95	51.2	0.98	61.2	1.01	71.3	1.03	81.3	1.05	93.4	1.07	106.4	1.09	121.4	1.11	139.0	1.14	68
29.2	0.87	37.2	0.92	47.6	0.96	57.8	0.99	68.0	1.02	80.1	1.05	93.3	1.07	108.4	1.10	126.0	1.12	69
40.9	0.94	48.6	0.97	58.7	1.00	68.7	1.02	78.8	1.05	90.9	1.07	103.9	1.09	118.9	1.11	136.5	1.13	70
5VX1250		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		**5V2500**		**5V2800**		**5V3150**		
33.4	0.90	41.2	0.94	51.5	0.98	61.6	1.00	71.8	1.03	83.9	1.05	97.0	1.08	112.0	1.10	129.6	1.12	71
43.7	0.95	51.3	0.98	61.4	1.01	71.5	1.03	81.5	1.05	93.5	1.07	106.6	1.09	121.6	1.11	139.1	1.14	72
—	—	30.0	0.87	40.8	0.93	51.3	0.97	61.6	1.00	73.9	1.03	87.1	1.06	102.2	1.08	119.9	1.11	73
42.0	0.95	49.7	0.97	59.7	1.00	69.8	1.03	79.9	1.05	91.9	1.07	105.0	1.09	120.0	1.11	137.5	1.13	74
43.7	0.95	51.2	0.98	61.3	1.01	71.4	1.03	81.4	1.05	93.5	1.07	106.5	1.09	121.5	1.11	139.0	1.14	75

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Pitch Diameter Driver	Pitch Diameter Driven	Type Fix.	Type Var.	Nominal Driven Speeds and Horsepower per Belt — 1750 RPM Driver: Nominal Driven Speed	HP per Belt Super	HP per Belt Gripnotch	1160 RPM Driver: Nominal Driven Speed	HP per Belt Super	HP per Belt Gripnotch	Center Distance in Inches and "F" Factor for Browning Belts: Belt No.	C.D.	F	Belt No.	C.D.	F	Belt No.	C.D.	F
														5VX560			5VX750			5VX900		
1	3.97	3	10	7.9	31.4	x	—	440	21.22	25.52	292	15.40	17.98	—	—		—	—		—	—	
2	3.98	2	4	5.3	21.1	x	—	439	—	14.11	291	—	9.93	—	—		14.7	0.75		22.9	0.84	
3	3.98	1	4	5.9	23.5	x	—	439	—	16.82	291	—	11.83	—	—		—	—		20.0	0.82	
4	3.98	1	4	6.3	25.1	x	—	439	—	18.60	291	—	13.08	—	—		—	—		17.9	0.78	
5	3.98	2	8	7.0	27.9	x	x	439	17.61	21.67	291	12.75	15.24	—	—		—	—		—	—	
														5VX600			5VX850			5VX1060		
6	3.99	3	4	12.5	49.9	x	x	438	37.00	43.40	290	28.01	31.31	—	—		—	—		—	—	
7	4.01	5	6	6.2	24.9	x	—	436	—	18.16	289	—	12.76	25.1	0.78		—	—		27.0	0.87	
8	4.02	3	10	12.4	49.9	x	—	435	36.71	43.04	288	27.76	31.03	—	—		—	—		—	—	
9	4.04	2	4	6.2	25.1	x	—	433	—	18.16	287	—	12.76	21.4	0.76		—	—		26.8	0.86	
10	4.04	1	4	6.9	27.9	x	—	433	—	21.23	287	—	14.93	—	—		—	—		23.3	0.84	
														5VX600			5VX800			5VX1000		
11	4.05	2	6	5.8	23.5	x	—	432	—	16.37	286	—	11.51	—	—		—	—		25.5	0.86	
12	4.06	3	10	9.2	37.4	x	—	431	26.16	30.89	285	19.14	21.87	—	—		—	—		—	—	
13	4.10	1	4	4.9	20.1	x	—	426	—	12.28	282	—	8.66	—	—		18.9	0.81		29.4	0.89	
14	4.10	3	4	9.1	37.4	x	—	426	25.79	30.49	282	18.85	21.57	—	—		—	—		—	—	
15	4.11	1	4	4.5	18.5	x	—	425	—	10.42	282	—	7.38	—	—		20.8	0.83		31.2	0.90	
														5VX530			5VX670			5VX800		
16	4.11	1	4	6.1	25.1	x	—	425	—	17.71	282	—	12.45	—	—		—	—		—	—	
17	4.12	1	4	5.7	23.5	x	—	424	—	15.92	281	—	11.20	—	—		—	—		—	—	
18	4.13	2	6	4.5	18.6	x	—	423	—	10.42	280	—	7.38	—	—		13.6	0.74		20.7	0.83	
19	4.13	2	6	5.1	21.1	x	—	423	—	13.19	280	—	9.30	—	—		—	—		17.6	0.80	
20	4.16	1	4	6.7	27.9	x	—	420	—	20.36	278	—	14.32	—	—		—	—		—	—	
														5VX600			5VX800			5VX1000		
21	4.18	2	4	4.8	20.1	x	—	418	—	11.81	277	—	8.34	—	—		18.9	0.81		29.5	0.89	
22	4.18	3	4	7.5	31.4	x	—	418	19.63	23.83	277	14.23	16.77	—	—		—	—		—	—	
23	4.20	3	10	8.9	37.4	x	—	416	25.05	29.67	276	18.29	20.98	—	—		—	—		—	—	
24	4.22	2	6	6.6	27.9	x	—	414	—	19.92	274	—	14.01	—	—		—	—		20.1	0.79	
25	4.24	3	8	7.4	31.4	x	x	412	19.23	23.39	273	13.93	16.46	—	—		—	—		—	—	
														5VX600			5VX850			5VX1060		
26	4.25	1	4	5.9	25.1	x	—	411	—	16.82	272	—	11.83	24.3	0.77		—	—		27.0	0.86	
27	4.26	3	10	11.7	49.9	x	—	410	34.61	40.53	272	25.94	29.08	—	—		—	—		—	—	
28	4.27	1	4	4.7	20.1	x	—	409	—	11.35	271	—	8.02	—	—		21.7	0.83		32.6	0.90	
29	4.27	1	4	5.5	23.5	x	—	409	—	15.02	271	—	10.57	—	—		17.4	0.78		28.8	0.88	
30	4.29	5	6	5.8	24.9	x	—	407	—	16.37	270	—	11.51	—	—		—	—		27.2	0.86	
														5VX600			5VX800			5VX1000		
31	4.29	1	4	6.5	27.9	x	—	407	—	19.48	270	—	13.70	—	—		—	—		20.2	0.79	
32	4.29	3	4	8.7	37.4	x	—	407	24.30	28.85	270	17.71	20.39	—	—		—	—		—	—	
33	4.30	1	4	4.3	18.5	x	—	406	—	9.49	269	—	6.73	—	—		20.9	0.83		31.3	0.90	
34	4.30	2	4	4.9	21.1	x	—	406	—	12.28	269	—	8.66	—	—		17.8	0.80		28.4	0.88	
35	4.32	2	6	4.3	18.6	x	—	405	—	9.49	268	—	6.73	—	—		20.8	0.83		31.2	0.89	
														5VX530			5VX670			5VX800		
36	4.32	2	4	5.8	25.1	x	—	405	—	16.37	268	—	11.51	—	—		—	—		—	—	
37	4.35	2	6	5.4	23.5	x	—	402	—	14.56	266	—	10.25	—	—		—	—		—	—	
38	4.39	2	6	4.8	21.1	x	—	398	—	11.81	264	—	8.34	—	—		—	—		17.8	0.80	
39	4.40	1	4	5.7	25.1	x	—	397	—	15.92	263	—	11.20	—	—		—	—		—	—	
40	4.42	1	4	6.3	27.9	x	—	395	—	18.60	262	—	13.08	—	—		—	—		—	—	
														5VX600			5VX850			5VX1060		
41	4.42	3	4	7.1	31.4	x	—	395	18.02	22.10	262	13.04	15.55	—	—		—	—		—	—	
42	4.43	1	4	5.3	23.5	x	—	395	—	14.11	261	—	9.93	—	—		17.6	0.78		29.0	0.88	
43	4.45	3	10	8.4	37.4	x	x	393	23.16	27.61	260	16.85	19.49	—	—		—	—		—	—	
44	4.45	3	10	11.2	49.9	x	—	393	33.04	38.68	260	24.62	27.66	—	—		—	—		—	—	
45	4.46	1	4	4.5	20.1	x	—	392	—	10.42	260	—	7.38	—	—		21.8	0.83		32.8	0.90	
														5VX600			5VX850			5VX1060		
46	4.48	2	4	4.7	21.1	x	—	390	—	11.35	258	—	8.02	—	—		20.6	0.82		31.7	0.89	
47	4.48	3	8	7.0	31.4	x	x	390	17.61	21.67	258	12.75	15.24	—	—		—	—		—	—	
48	4.49	3	4	11.1	49.9	x	—	389	32.72	38.30	258	24.36	27.38	—	—		—	—		—	—	
49	4.50	2	6	6.2	27.9	x	—	388	—	18.16	257	—	12.76	—	—		—	—		23.8	0.84	
50	4.55	3	4	6.9	31.4	x	—	384	—	21.23	254	—	14.93	—	—		—	—		—	—	
														5VX600			5VX800			5VX1000		
51	4.56	1	4	5.5	25.1	x	—	383	—	15.02	254	—	10.57	—	—		—	—		24.0	0.84	
52	4.57	1	4	6.1	27.9	x	—	382	—	17.71	253	—	12.45	—	—		—	—		20.4	0.79	
53	4.60	1	6	5.1	23.5	x	—	380	—	13.19	252	—	9.30	—	—		—	—		25.9	0.85	
54	4.61	5	6	5.4	24.9	x	—	379	—	14.56	251	—	10.25	—	—		—	—		24.3	0.84	
55	4.61	3	4	8.1	37.4	x	—	379	22.00	26.36	251	15.99	18.59	—	—		—	—		—	—	
														5VX600			5VX850			5VX1060		
56	4.62	3	10	10.8	49.9	x	—	378	31.74	37.17	251	23.55	26.52	—	—		—	—		—	—	
57	4.64	2	4	5.4	25.1	x	—	377	—	14.56	250	—	10.25	—	—		—	—		27.3	0.86	
58	4.67	1	4	4.3	20.1	x	—	374	—	9.49	248	—	6.73	—	—		21.9	0.83		32.9	0.90	
59	4.68	2	6	4.5	21.1	x	—	373	—	10.42	247	—	7.38	—	—		20.8	0.82		31.8	0.89	
60	4.68	3	4	6.7	31.4	x	—	373	—	20.36	247	—	14.32	—	—		—	—		—	—	
														5VX600			5VX800			5VX1000		
61	4.72	1	4	5.9	27.9	x	—	370	—	16.82	245	—	11.83	—	—		—	—		20.6	0.79	
62	4.73	1	4	5.3	25.1	x	—	369	—	14.11	245	—	9.93	—	—		—	—		24.1	0.84	
63	4.73	3	10	7.9	37.4	x	—	369	21.22	25.52	245	15.40	17.98	—	—		—	—		—	—	
64	4.75	3	6	6.6	31.4	x	—	368	—	19.92	244	—	14.01	—	—		—	—		—	—	
65	4.79	1	4	4.9	23.5	x	—	365	—	12.28	242	—	8.66	—	—		—	—		26.1	0.85	
														5VX560			5VX750			5VX900		
66	4.81	2	6	5.8	27.9	x	—	363	—	16.37	241	—	11.51	—	—		—	—		—	—	
67	4.83	3	4	6.5	31.4	x	—	362	—	19.48	240	—	13.70	—	—		—	—		—	—	
68	4.88	5	6	5.1	24.9	x	—	358	—	13.19	237	—	9.30	—	—		—	—		18.9	0.78	
69	4.89	2	6	4.8	23.5	x	—	357	—	11.81	237	—	8.34	—	—		—	—		20.7	0.82	
70	4.89	1	4	5.7	27.9	x	—	357	—	15.92	237	—	11.20	—	—		—	—		—	—	
														5VX600			5VX850			5VX1060		
71	4.89	3	10	10.2	49.9	x	—	357	29.71	34.86	237	21.92	24.79	—	—		—	—		—	—	
72	4.90	2	6	4.3	21.1	x	—	357	—	9.49	236	—	6.73	—	—		20.9	0.82		32.0	0.89	
73	4.92	1	4	5.1	25.1	x	—	355	—	13.19	235	—	9.30	—	—		—	—		27.5	0.86	
74	4.98	3	4	6.3	31.4	x	—	351	—	18.60	232	—	13.08	—	—		—	—		—	—	
75	4.98	3	4	7.5	37.4	x	—	351	19.63	23.82	232	14.23	16.77	—	—		—	—		—	—	

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc–Length Factor (F) using Browning Belts

Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
5VX1000		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		**5V2500**		
—	—	22.1	0.81	29.3	0.87	37.3	0.92	47.7	0.96	58.0	0.99	68.1	1.02	80.3	1.05	93.4	1.07	1
28.2	0.88	34.4	0.91	41.0	0.94	48.6	0.97	58.7	1.00	68.8	1.02	78.9	1.05	90.9	1.07	104.0	1.09	2
25.4	0.86	31.7	0.90	38.4	0.93	46.1	0.96	56.2	0.99	66.3	1.02	76.4	1.04	88.5	1.06	101.5	1.09	3
23.5	0.84	29.9	0.88	36.6	0.92	44.4	0.95	54.5	0.99	64.7	1.01	74.8	1.04	86.8	1.06	99.9	1.08	4
19.9	0.80	26.6	0.86	33.5	0.90	41.3	0.94	51.5	0.97	61.7	1.00	71.8	1.03	84.0	1.05	97.0	1.08	5
5VX1320		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		**5V2360**		**5V2650**		**5V3000**		**5V3350**		
—	—	—	—	—	—	41.9	0.92	53.8	0.97	66.4	1.00	81.4	1.04	99.3	1.08	117.0	1.10	6
40.5	0.94	49.7	0.97	59.9	1.00	70.0	1.03	81.0	1.05	93.1	1.07	107.7	1.09	125.2	1.12	142.8	1.14	7
—	—	—	—	—	—	41.9	0.92	53.8	0.96	66.5	1.00	81.4	1.04	99.3	1.08	117.1	1.10	8
40.3	0.93	49.5	0.97	59.7	1.00	69.8	1.02	80.9	1.05	92.9	1.07	107.5	1.09	125.1	1.12	142.6	1.14	9
37.2	0.92	46.5	0.96	56.7	0.99	66.9	1.02	78.0	1.04	90.1	1.07	104.7	1.09	122.2	1.11	139.8	1.14	10
5VX1250		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		**5V2500**		**5V2800**		**5V3150**		
38.5	0.93	46.2	0.96	56.3	0.99	66.4	1.02	76.5	1.04	88.6	1.06	101.6	1.09	116.7	1.11	134.2	1.13	11
—	—	30.2	0.87	41.0	0.93	51.5	0.97	61.8	1.00	74.1	1.03	87.3	1.06	102.4	1.08	120.1	1.11	12
42.2	0.94	49.8	0.97	59.9	1.00	70.0	1.03	80.0	1.05	92.1	1.07	105.1	1.09	120.1	1.11	137.7	1.13	13
—	—	30.2	0.87	41.1	0.93	51.6	0.97	61.9	1.00	74.1	1.03	87.4	1.06	102.5	1.08	120.2	1.11	14
43.9	0.95	51.5	0.98	61.5	1.01	71.6	1.03	81.6	1.05	93.7	1.07	106.7	1.09	121.7	1.11	139.3	1.14	15
5VX900		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		
18.0	0.78	23.6	0.84	30.0	0.88	36.8	0.92	44.5	0.95	54.7	0.98	64.8	1.01	74.9	1.04	87.0	1.06	16
20.1	0.82	25.5	0.86	31.8	0.90	38.6	0.93	46.2	0.96	56.4	0.99	66.5	1.02	76.6	1.04	88.6	1.06	17
25.9	0.87	31.1	0.90	37.2	0.92	43.8	0.95	51.4	0.98	61.5	1.01	71.5	1.03	81.6	1.05	93.6	1.07	18
23.0	0.84	28.3	0.88	34.5	0.91	41.2	0.94	48.8	0.97	58.9	1.00	69.0	1.02	79.0	1.05	91.1	1.07	19
—	—	20.1	0.79	26.7	0.86	33.7	0.90	41.5	0.94	51.8	0.97	61.9	1.00	72.1	1.03	84.2	1.05	20
5VX1250		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		**5V2500**		**5V2800**		**5V3150**		
42.3	0.94	49.9	0.97	60.0	1.00	70.0	1.03	80.1	1.05	92.1	1.07	105.2	1.09	120.2	1.11	137.7	1.13	21
29.6	0.87	37.6	0.92	48.0	0.96	58.2	0.99	68.4	1.02	80.6	1.05	93.7	1.07	108.8	1.09	126.4	1.12	22
—	—	30.3	0.87	41.2	0.93	51.7	0.97	62.0	1.00	74.3	1.03	87.5	1.06	102.7	1.08	120.3	1.11	23
33.7	0.90	41.6	0.94	51.8	0.97	62.0	1.00	72.1	1.03	84.2	1.05	97.3	1.08	112.4	1.10	130.0	1.12	24
29.6	0.87	37.6	0.92	48.0	0.96	58.3	0.99	68.5	1.02	80.6	1.05	93.8	1.07	108.9	1.09	126.5	1.12	25
5VX1320		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		**5V2360**		**5V2650**		**5V3000**		**5V3350**		
40.5	0.93	49.7	0.97	59.9	1.00	70.0	1.02	81.1	1.05	93.2	1.07	107.7	1.09	125.3	1.12	142.8	1.14	26
—	—	—	—	—	—	42.4	0.92	54.3	0.96	66.9	1.00	81.9	1.04	99.8	1.07	117.6	1.10	27
45.9	0.96	55.0	0.99	65.1	1.01	75.1	1.04	86.2	1.06	98.2	1.08	112.8	1.10	130.3	1.12	147.8	1.15	28
42.3	0.94	51.4	0.97	61.6	1.00	71.7	1.03	82.7	1.05	94.8	1.07	109.4	1.10	126.9	1.12	144.5	1.14	29
40.8	0.93	50.0	0.97	60.1	1.00	70.3	1.02	81.3	1.05	93.4	1.07	108.0	1.09	125.5	1.12	143.1	1.14	30
5VX1250		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		**5V2500**		**5V2800**		**5V3150**		
33.8	0.90	41.6	0.94	51.9	0.97	62.1	1.00	72.2	1.03	84.3	1.05	97.4	1.08	112.5	1.10	130.1	1.12	31
—	—	30.5	0.87	41.3	0.92	51.8	0.97	62.2	1.00	74.4	1.03	87.6	1.06	102.8	1.08	120.5	1.11	32
44.0	0.95	51.6	0.98	61.7	1.01	71.8	1.03	81.8	1.05	93.8	1.07	106.9	1.09	121.9	1.11	139.4	1.14	33
41.3	0.94	48.9	0.97	59.0	1.00	69.1	1.02	79.2	1.04	91.2	1.07	104.3	1.09	119.3	1.11	136.9	1.13	34
43.9	0.95	51.5	0.98	61.6	1.00	71.7	1.03	81.7	1.05	93.8	1.07	106.8	1.09	121.8	1.11	139.3	1.14	35
5VX900		**5VX1000**		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		
18.2	0.78	23.8	0.84	30.2	0.88	37.0	0.92	44.7	0.95	54.9	0.98	65.0	1.01	75.1	1.04	87.2	1.06	36
20.3	0.82	25.7	0.86	32.0	0.89	38.8	0.93	46.4	0.96	56.6	0.99	66.7	1.02	76.8	1.04	88.9	1.06	37
23.2	0.84	28.5	0.88	34.7	0.91	41.4	0.94	49.0	0.97	59.1	1.00	69.2	1.02	79.2	1.04	91.3	1.07	38
18.3	0.78	23.9	0.84	30.3	0.88	37.1	0.92	44.8	0.95	55.0	0.98	65.1	1.01	75.2	1.04	87.3	1.06	39
—	—	20.3	0.79	27.0	0.86	33.9	0.90	41.8	0.94	52.0	0.97	62.2	1.00	72.3	1.03	84.5	1.05	40
5VX1320		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		**5V2360**		**5V2650**		**5V3000**		**5V3350**		
33.6	0.89	43.1	0.94	53.4	0.98	63.6	1.01	74.8	1.03	86.9	1.06	101.6	1.08	119.2	1.11	136.7	1.13	41
42.4	0.94	51.6	0.97	61.7	1.00	71.8	1.03	82.9	1.05	95.0	1.07	109.5	1.10	127.1	1.12	144.6	1.14	42
26.1	0.82	36.2	0.90	46.8	0.95	57.2	0.98	68.5	1.01	80.7	1.04	95.4	1.07	113.1	1.10	130.7	1.12	43
—	—	—	—	—	—	42.7	0.92	54.6	0.96	67.3	1.00	82.3	1.04	100.2	1.07	117.9	1.10	44
46.0	0.96	55.1	0.99	65.2	1.01	75.3	1.04	86.3	1.06	98.4	1.08	112.9	1.10	130.5	1.12	148.0	1.15	45
5VX1320		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		**5V2360**		**5V2650**		**5V3000**		**5V3350**		
45.0	0.95	54.1	0.98	64.2	1.01	74.3	1.03	85.4	1.06	97.4	1.08	111.9	1.10	129.5	1.12	147.0	1.14	46
33.7	0.89	43.1	0.94	53.5	0.98	63.7	1.00	74.9	1.03	87.0	1.06	101.6	1.08	119.2	1.11	136.8	1.13	47
—	—	—	—	31.2	0.82	42.8	0.92	54.7	0.96	67.3	1.00	82.3	1.04	100.2	1.07	118.0	1.10	48
37.7	0.92	47.0	0.96	57.2	0.99	67.4	1.02	78.5	1.04	90.6	1.06	105.2	1.09	122.8	1.11	140.3	1.14	49
33.7	0.89	43.2	0.94	53.5	0.97	63.8	1.00	74.9	1.03	87.1	1.06	101.7	1.08	119.3	1.11	136.9	1.13	50
5VX1250		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		**5V2500**		**5V2800**		**5V3150**		
37.2	0.92	44.9	0.95	55.1	0.98	65.2	1.01	75.3	1.03	87.4	1.06	100.5	1.08	115.6	1.10	133.1	1.13	51
34.1	0.90	41.9	0.94	52.2	0.97	62.4	1.00	72.5	1.03	84.6	1.05	97.7	1.08	112.8	1.10	130.4	1.12	52
39.0	0.93	46.6	0.96	56.8	0.99	66.9	1.02	77.0	1.04	89.1	1.06	102.1	1.08	117.2	1.11	134.7	1.13	53
37.4	0.92	45.2	0.95	55.4	0.98	65.5	1.01	75.6	1.04	87.7	1.06	100.7	1.08	115.8	1.10	133.4	1.13	54
—	—	30.8	0.87	41.7	0.92	52.2	0.97	62.6	1.00	74.8	1.03	88.1	1.06	103.2	1.08	120.9	1.11	55
5VX1320		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		**5V2360**		**5V2650**		**5V3000**		**5V3350**		
—	—	—	—	31.4	0.82	42.9	0.92	54.9	0.96	67.5	1.00	82.5	1.04	100.4	1.07	118.2	1.10	56
40.9	0.93	50.1	0.97	60.3	1.00	70.4	1.02	81.5	1.05	93.5	1.07	108.1	1.09	125.7	1.12	143.2	1.14	57
46.2	0.96	55.3	0.99	65.4	1.01	75.4	1.04	86.5	1.06	98.5	1.08	113.1	1.10	130.6	1.12	148.1	1.14	58
45.1	0.95	54.3	0.98	64.4	1.01	74.4	1.03	85.5	1.06	97.6	1.08	112.1	1.10	129.6	1.12	147.2	1.14	59
33.8	0.89	43.3	0.94	53.7	0.97	63.9	1.00	75.1	1.03	87.2	1.06	101.8	1.08	119.5	1.11	137.0	1.13	60
5VX1250		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		**5V2500**		**5V2800**		**5V3150**		
34.2	0.90	42.0	0.93	52.3	0.97	62.5	1.00	72.6	1.03	84.8	1.05	97.8	1.08	112.9	1.10	130.5	1.12	61
37.3	0.92	45.0	0.95	55.2	0.98	65.4	1.01	75.5	1.03	87.6	1.06	100.6	1.08	115.7	1.10	133.3	1.13	62
—	—	31.0	0.86	41.8	0.92	52.4	0.96	62.7	1.00	75.0	1.03	88.2	1.06	103.4	1.08	121.0	1.11	63
30.1	0.87	38.2	0.91	48.6	0.96	58.9	0.99	69.1	1.02	81.2	1.04	94.4	1.07	109.5	1.09	127.1	1.12	64
39.1	0.93	46.8	0.96	56.9	0.99	67.1	1.02	77.1	1.04	89.2	1.06	102.3	1.08	117.3	1.11	134.9	1.13	65
5VX1000		**5VX1120**		**5VX1250**		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		**5V2500**		
20.6	0.79	27.3	0.85	34.3	0.90	42.1	0.93	52.4	0.97	62.6	1.00	72.7	1.03	84.8	1.05	97.9	1.08	66
—	—	22.9	0.80	30.2	0.87	38.2	0.91	48.7	0.96	58.9	0.99	69.1	1.02	81.3	1.04	94.4	1.07	67
24.5	0.84	30.9	0.88	37.6	0.92	45.4	0.95	55.6	0.98	65.7	1.01	75.8	1.03	87.9	1.06	101.0	1.08	68
26.1	0.85	32.4	0.89	39.2	0.93	46.9	0.96	57.0	0.99	67.1	1.02	77.2	1.04	89.3	1.06	102.4	1.08	69
20.7	0.79	27.4	0.85	34.3	0.90	42.2	0.93	52.5	0.97	62.6	1.00	72.8	1.03	84.9	1.05	98.0	1.08	70
5VX1320		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		**5V2360**		**5V2650**		**5V3000**		**5V3350**		
—	—	—	—	31.8	0.81	43.3	0.92	55.3	0.96	67.9	1.00	82.9	1.04	100.9	1.07	118.7	1.10	71
45.3	0.95	54.4	0.98	64.5	1.01	74.6	1.03	85.6	1.06	97.7	1.08	112.2	1.10	129.8	1.12	147.3	1.14	72
41.1	0.93	50.3	0.97	60.5	1.00	70.6	1.02	81.7	1.05	93.8	1.07	108.3	1.09	125.9	1.12	143.4	1.14	73
34.1	0.89	43.6	0.94	53.9	0.97	64.2	1.00	75.4	1.03	87.5	1.06	102.1	1.08	119.7	1.11	137.3	1.13	74
26.6	0.81	36.7	0.89	47.4	0.94	57.8	0.98	69.1	1.01	81.4	1.04	96.1	1.07	113.8	1.10	131.4	1.12	75

B

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Pitch Diameter Driver	Pitch Diameter Driven	Type Fix.	Type Var.	1750 RPM Driver Nominal Driven Speed	1750 RPM Driver HP per Belt Super	1750 RPM Driver HP per Belt Gripnotch	1160 RPM Driver Nominal Driven Speed	1160 RPM Driver HP per Belt Super	1160 RPM Driver HP per Belt Gripnotch	Center Distance in Inches and "F" Factor for Browning Belts: Belt No.	C.D.	F	Belt No.	C.D.	F	Belt No.	C.D.	F
														5VX600			5VX800			5VX1000		
1	5.00	1	4	4.7	23.5	x	—	350	—	11.35	232	—	8.02	—	—		15.0	0.72		26.2	0.85	
2	5.05	3	8	7.4	37.4	x	x	346	19.23	23.39	229	13.93	16.46	—	—		—	—		—	—	
3	5.06	3	6	6.2	31.4	x	—	345	—	18.16	229	—	12.76	—	—		—	—		—	—	
4	5.07	1	4	5.5	27.9	x	—	345	—	15.02	228	—	10.57	—	—		—	—		20.8	0.79	
5	5.12	1	4	4.9	25.1	x	—	341	—	12.28	226	—	8.66	—	—		—	—		24.4	0.84	
														5VX600			5VX850			5VX1060		
6	5.14	3	4	6.1	31.4	x	—	340	—	17.71	225	—	12.45	—	—		—	—		19.6	0.75	
7	5.14	3	10	9.7	49.9	x	—	340	27.96	32.90	225	20.54	23.34	—	—		—	—		—	—	
8	5.16	2	6	5.4	27.9	x	—	339	—	14.56	224	—	10.25	—	—		—	—		24.3	0.83	
9	5.18	5	6	4.8	24.9	x	—	337	—	11.81	223	—	8.34	—	—		16.1	0.73		27.9	0.86	
10	5.22	1	6	4.5	23.5	x	—	335	—	10.42	222	—	7.38	—	—		18.1	0.77		29.5	0.87	
														5VX600			5VX850			5VX1060		
11	5.22	2	4	4.8	25.1	x	—	335	—	11.81	222	—	8.34	—	—		15.9	0.72		27.7	0.86	
12	5.25	3	4	9.5	49.9	x	x	333	27.24	32.10	220	19.98	22.75	—	—		—	—		—	—	
13	5.26	1	4	5.3	27.9	x	—	332	—	14.11	220	—	9.93	—	—		—	—		24.3	0.83	
14	5.26	3	4	7.1	37.4	x	—	332	18.02	22.10	220	13.04	15.55	—	—		—	—		—	—	
15	5.32	3	4	5.9	31.4	x	—	328	—	16.82	218	—	11.83	—	—		—	—		19.7	0.74	
														5VX600			5VX850			5VX1060		
16	5.34	1	4	4.7	25.1	x	—	327	—	11.35	217	—	8.02	—	—		15.9	0.72		27.7	0.86	
17	5.34	3	8	7.0	37.4	x	x	327	17.61	21.67	217	12.75	15.24	—	—		23.1	0.71		—	—	
18	5.41	3	6	5.8	31.4	x	—	323	—	16.37	214	—	11.51	—	—		—	—		—	—	
19	5.42	3	4	6.9	37.4	x	—	322	—	21.23	214	—	14.93	—	—		23.6	0.72		19.8	0.74	
20	5.42	3	10	9.2	49.9	x	—	322	26.16	30.89	214	19.14	21.87	—	—		—	—		—	—	
														5VX600			5VX850			5VX1060		
21	5.46	1	6	4.3	23.5	x	—	320	—	9.49	212	—	6.73	—	—		18.2	0.77		29.6	0.87	
22	5.47	1	6	5.1	27.9	x	—	319	—	13.19	212	—	9.30	—	—		—	—		24.5	0.83	
23	5.48	3	4	9.1	49.9	x	—	319	25.79	30.49	211	18.85	21.57	—	—		—	—		—	—	
24	5.50	3	4	5.7	31.4	x	—	318	—	15.92	210	—	11.20	—	—		—	—		19.8	0.74	
25	5.53	5	6	4.5	24.9	x	—	316	—	10.42	209	—	7.38	—	—		16.3	0.73		28.1	0.86	
														5VX600			5VX850			5VX1060		
26	5.57	1	4	4.5	25.1	x	—	314	—	10.42	208	—	7.38	—	—		16.1	0.72		27.9	0.86	
27	5.58	3	4	6.7	37.4	x	—	313	—	20.36	207	—	14.32	—	—		24.6	0.73		—	—	
28	5.60	3	10	8.9	49.9	x	—	312	25.05	29.67	207	18.29	20.98	—	—		—	—		—	—	
29	5.66	3	6	6.6	37.4	x	—	309	—	19.92	204	—	14.01	—	—		25.1	0.73		—	—	
30	5.69	1	4	4.9	27.9	x	—	307	—	12.28	203	—	8.66	—	—		—	—		24.6	0.83	
														5VX600			5VX850			5VX1060		
31	5.70	3	4	5.5	31.4	x	—	307	—	15.02	203	—	10.57	—	—		—	—		20.0	0.74	
32	5.73	3	4	8.7	49.9	x	—	305	24.30	28.85	202	17.71	20.39	—	—		—	—		—	—	
33	5.75	3	4	6.5	37.4	x	—	304	—	19.48	201	—	13.70	—	—		—	—		—	—	
34	5.79	5	6	4.3	24.9	x	—	302	—	9.49	200	—	6.73	—	—		25.6	0.74		28.2	0.86	
35	5.81	2	6	4.8	27.9	x	—	301	—	11.81	199	—	8.34	—	—		16.4	0.73		24.7	0.83	
														5VX600			5VX800			5VX1000		
36	5.81	3	6	5.4	31.4	x	—	301	—	14.56	199	—	10.25	—	—		—	—		—	—	
37	5.83	1	4	4.3	25.1	x	—	300	—	9.49	198	—	6.73	—	—		—	—		24.8	0.83	
38	5.92	3	4	5.3	31.4	x	—	295	—	14.11	195	—	9.93	—	—		—	—		—	—	
39	5.93	1	4	4.7	27.9	x	—	295	—	11.35	195	—	8.02	—	—		—	—		21.3	0.79	
40	5.93	3	4	6.3	37.4	x	—	295	—	18.60	195	—	13.08	—	—		—	—		—	—	
														5VX600			5VX850			5VX1060		
41	5.94	3	10	8.4	49.9	x	x	294	23.16	27.61	195	16.85	19.49	—	—		—	—		—	—	
42	6.03	3	6	6.2	37.4	x	—	290	—	18.16	192	—	12.76	—	—		27.2	0.75		—	—	
43	6.13	3	4	6.1	37.4	x	—	285	—	17.71	189	—	12.45	—	—		27.8	0.76		—	—	
44	6.15	3	6	5.1	31.4	x	—	284	—	13.19	188	—	9.30	—	—		—	—		20.2	0.74	
45	6.16	3	4	8.1	49.9	x	—	284	22.00	26.36	188	15.99	18.59	—	—		—	—		—	—	
														5VX600			5VX850			5VX1060		
46	6.20	1	6	4.5	27.9	x	—	282	—	10.42	187	—	7.38	—	—		—	—		24.8	0.83	
47	6.31	3	10	7.9	49.9	x	—	277	21.22	25.52	183	15.40	17.98	—	—		—	—		—	—	
48	6.33	3	4	5.9	37.4	x	—	276	—	16.82	183	—	11.83	—	—		29.0	0.76		—	—	
49	6.40	3	4	4.9	31.4	x	—	273	—	12.28	181	—	8.66	—	—		—	—		20.3	0.74	
50	6.44	3	6	5.8	37.4	x	—	271	—	16.37	180	—	11.51	—	—		29.6	0.77		—	—	
														5VX600			5VX850			5VX1060		
51	6.48	1	6	4.3	27.9	x	—	270	—	9.49	179	—	6.73	—	—		—	—		25.0	0.83	
52	6.54	3	6	4.8	31.4	x	—	267	—	11.81	177	—	8.34	—	—		—	—		20.4	0.74	
53	6.56	3	4	5.7	37.4	x	—	266	—	15.92	176	—	11.20	—	—		30.2	0.77		—	—	
54	6.65	3	4	7.5	49.9	x	—	263	19.63	23.82	174	14.23	18.77	—	—		—	—		—	—	
55	6.68	3	4	4.7	31.4	x	—	261	—	11.35	173	—	8.02	—	—		—	—		20.4	0.74	
														5VX600			5VX850			5VX1060		
56	6.74	3	8	7.4	49.9	x	x	259	19.23	23.39	172	13.93	16.46	—	—		—	—		—	—	
57	6.80	3	4	5.5	37.4	x	—	257	—	15.02	170	—	10.57	—	—		31.6	0.78		—	—	
58	6.92	3	6	5.4	37.4	x	—	252	—	14.56	167	—	10.25	—	—		32.3	0.79		—	—	
59	6.97	3	6	4.5	31.4	x	—	251	—	10.42	166	—	7.38	—	—		—	—		20.5	0.74	
60	7.02	3	4	7.1	49.9	x	—	249	18.02	22.10	165	13.04	15.55	—	—		—	—		—	—	
														5VX600			5VX850			5VX1060		
61	7.05	3	4	5.3	37.4	x	—	248	—	14.11	164	—	9.93	—	—		33.0	0.79		—	—	
62	7.12	3	8	7.0	49.9	x	x	245	17.61	21.67	162	12.75	15.24	—	—		—	—		—	—	
63	7.23	3	4	6.9	49.9	x	—	242	—	21.23	160	—	14.93	—	—		—	—		—	—	
64	7.30	3	6	4.3	31.4	x	—	239	—	9.49	158	—	6.73	—	—		—	—		20.7	0.74	
65	7.33	3	6	5.1	37.4	x	—	238	—	13.19	158	—	9.30	—	—		34.5	0.80		—	—	
														5VX600			5VX850			5VX1060		
66	7.44	3	4	6.7	49.9	x	—	235	—	20.36	155	—	14.32	—	—		—	—		—	—	
67	7.56	3	6	6.6	49.9	x	—	231	—	19.92	153	—	14.01	—	—		—	—		—	—	
68	7.63	3	4	4.9	37.4	x	—	229	—	12.28	152	—	8.66	—	—		36.2	0.81		—	—	
69	7.67	3	4	6.5	49.9	x	—	228	—	19.48	151	—	13.70	—	—		—	—		—	—	
70	7.79	3	6	4.8	37.4	x	—	224	—	11.81	148	—	8.34	—	—		37.0	0.81		—	—	
														5VX600			5VX850			5VX1060		
71	7.92	3	4	6.3	49.9	x	—	220	—	18.60	146	—	13.08	—	—		—	—		—	—	
72	7.95	3	4	4.7	37.4	x	—	220	—	11.35	145	—	8.02	—	—		37.9	0.81		—	—	
73	8.04	3	6	6.2	49.9	x	—	217	—	18.16	144	—	12.76	—	—		—	—		—	—	
74	8.18	3	4	6.1	49.9	x	—	213	—	17.71	141	—	12.45	—	—		—	—		—	—	
75	8.31	3	6	4.5	37.4	x	—	210	—	10.42	139	—	7.38	—	—		39.9	0.81		—	—	

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc–Length Factor (F) using Browning Belts

Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
5VX1250		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		**5V2500**		**5V2800**		**5V3150**		
39.2	0.92	46.9	0.96	57.1	0.99	67.2	1.01	77.3	1.04	89.4	1.06	102.4	1.08	117.5	1.11	135.0	1.13	1
—	—	31.3	0.86	42.2	0.92	52.7	0.96	63.0	1.00	75.3	1.03	88.6	1.05	103.7	1.08	121.4	1.11	2
30.4	0.87	38.4	0.91	48.9	0.96	59.1	0.99	69.3	1.02	81.5	1.04	94.6	1.07	109.8	1.09	127.4	1.12	3
34.5	0.90	42.3	0.93	52.6	0.97	62.8	1.00	72.9	1.03	85.0	1.05	98.1	1.08	113.2	1.10	130.8	1.12	4
37.6	0.92	45.3	0.95	55.5	0.98	65.7	1.01	75.8	1.03	87.9	1.06	100.9	1.08	116.0	1.10	133.6	1.13	5
5VX1320		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		**5V2360**		**5V2650**		**5V3000**		**5V3350**		
34.2	0.89	43.7	0.94	54.1	0.97	64.3	1.00	75.5	1.03	87.6	1.06	102.3	1.08	119.1	1.11	137.5	1.13	6
—	—	—	—	32.1	0.81	43.6	0.92	55.6	0.96	68.3	1.00	83.3	1.04	101.2	1.07	119.0	1.10	7
38.2	0.91	47.5	0.95	57.8	0.99	67.9	1.01	79.1	1.04	91.2	1.06	105.8	1.09	123.3	1.11	140.9	1.13	8
41.5	0.93	50.7	0.97	60.9	1.00	71.0	1.02	82.1	1.05	94.1	1.07	108.7	1.09	126.3	1.12	143.8	1.14	9
43.0	0.94	52.2	0.97	62.3	1.00	72.4	1.03	83.5	1.05	95.5	1.07	110.1	1.09	127.7	1.12	145.2	1.14	10
5VX1320		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		**5V2360**		**5V2650**		**5V3000**		**5V3350**		
41.3	0.93	50.5	0.97	60.7	1.00	70.8	1.02	81.9	1.05	94.0	1.07	108.6	1.09	126.1	1.12	143.7	1.14	11
—	—	—	—	32.2	0.81	43.8	0.91	55.7	0.96	68.4	1.00	83.4	1.04	101.4	1.07	119.2	1.10	12
38.3	0.91	47.6	0.95	57.8	0.99	68.0	1.01	79.1	1.04	91.2	1.06	105.8	1.09	123.4	1.11	141.0	1.13	13
26.9	0.81	37.0	0.89	47.7	0.94	58.1	0.98	69.4	1.01	81.7	1.04	96.4	1.07	114.1	1.10	131.7	1.12	14
34.4	0.89	43.9	0.93	54.2	0.97	64.5	1.00	75.6	1.03	87.8	1.05	102.4	1.08	120.0	1.11	137.6	1.13	15
5VX1320		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		**5V2360**		**5V2650**		**5V3000**		**5V3350**		
41.4	0.93	50.6	0.97	60.8	1.00	70.9	1.02	82.0	1.05	94.1	1.07	108.6	1.09	126.2	1.12	143.7	1.14	16
26.9	0.81	37.0	0.89	47.7	0.94	58.2	0.98	69.5	1.01	81.7	1.04	96.4	1.07	114.1	1.10	131.8	1.12	17
34.4	0.89	43.9	0.93	54.3	0.97	64.5	1.00	75.7	1.03	87.9	1.05	102.5	1.08	120.1	1.11	137.7	1.13	18
27.0	0.81	37.1	0.89	47.8	0.94	58.2	0.98	69.6	1.01	81.8	1.04	96.5	1.07	114.2	1.10	131.8	1.12	19
—	—	—	—	32.4	0.81	43.9	0.91	55.9	0.96	68.6	1.00	83.6	1.04	101.6	1.07	119.4	1.10	20
5VX1320		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		**5V2360**		**5V2650**		**5V3000**		**5V3350**		
43.1	0.94	52.3	0.97	62.4	1.00	72.5	1.03	83.5	1.05	95.7	1.07	110.3	1.09	127.8	1.12	145.4	1.14	21
38.4	0.91	47.7	0.95	58.0	0.99	68.1	1.01	79.3	1.04	91.4	1.06	106.0	1.09	123.6	1.11	141.1	1.13	22
—	—	—	—	32.4	0.81	44.0	0.91	56.0	0.96	68.7	1.00	83.7	1.04	101.6	1.07	119.4	1.10	23
34.5	0.89	44.0	0.93	54.4	0.97	64.6	1.00	75.8	1.03	87.9	1.05	102.6	1.08	120.2	1.11	137.8	1.13	24
41.7	0.93	50.9	0.97	61.1	1.00	71.2	1.02	82.3	1.05	94.4	1.07	108.9	1.09	126.5	1.12	144.1	1.14	25
5VX1320		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		**5V2360**		**5V2650**		**5V3000**		**5V3350**		
41.5	0.93	50.7	0.96	60.9	1.00	71.0	1.02	82.1	1.05	94.2	1.07	108.8	1.09	126.3	1.12	143.9	1.14	26
27.1	0.81	37.2	0.89	47.9	0.94	58.4	0.98	69.7	1.01	81.9	1.04	96.7	1.07	114.4	1.10	132.0	1.12	27
—	—	—	—	32.6	0.81	44.1	0.91	56.1	0.96	68.8	1.00	83.8	1.04	101.8	1.07	119.6	1.10	28
27.2	0.81	37.3	0.89	48.0	0.94	58.4	0.98	69.8	1.01	82.0	1.04	96.7	1.07	114.4	1.10	132.1	1.12	29
38.5	0.91	47.9	0.95	58.1	0.99	68.3	1.01	79.4	1.04	91.5	1.06	106.1	1.09	123.7	1.11	141.3	1.13	30
5VX1320		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		**5V2360**		**5V2650**		**5V3000**		**5V3350**		
34.6	0.89	44.1	0.93	54.5	0.97	64.7	1.00	75.9	1.03	88.1	1.05	102.7	1.08	120.3	1.11	137.9	1.13	31
—	—	—	—	32.7	0.81	44.2	0.91	56.2	0.96	68.9	1.00	84.0	1.04	101.9	1.07	119.7	1.10	32
27.2	0.81	37.4	0.89	48.1	0.94	58.5	0.98	69.8	1.01	82.1	1.04	96.8	1.07	114.5	1.10	132.1	1.12	33
41.8	0.93	51.0	0.97	61.2	1.00	71.3	1.02	82.4	1.05	94.5	1.07	109.1	1.09	126.7	1.12	144.2	1.14	34
38.6	0.91	47.9	0.95	58.2	0.99	66.4	1.01	79.5	1.04	91.6	1.06	106.2	1.09	123.8	1.11	141.4	1.13	35
5VX1250		**5VX1400**		**5VX1600**		**5VX1800**		**5VX2000**		**5V2240**		**5V2500**		**5V2800**		**5V3150**		
30.9	0.86	38.9	0.91	49.4	0.95	59.7	0.99	69.9	1.01	82.1	1.04	95.2	1.07	110.3	1.09	128.0	1.12	36
38.0	0.91	45.7	0.95	56.0	0.98	66.1	1.01	76.2	1.03	88.3	1.06	101.4	1.08	116.5	1.10	134.0	1.13	37
31.0	0.86	39.0	0.91	49.5	0.95	59.8	0.99	70.0	1.01	82.2	1.04	95.3	1.07	110.4	1.09	128.0	1.12	38
35.0	0.89	42.8	0.93	53.1	0.97	63.3	1.00	73.5	1.02	85.6	1.05	98.7	1.07	113.8	1.10	131.4	1.12	39
23.1	0.75	32.0	0.86	42.9	0.92	53.4	0.96	63.8	0.99	76.1	1.03	89.3	1.05	104.5	1.08	122.2	1.11	40
5VX1320		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		**5V2360**		**5V2650**		**5V3000**		**5V3350**		
—	—	—	—	32.9	0.81	44.4	0.91	56.4	0.96	69.1	1.00	84.2	1.04	102.1	1.07	119.9	1.10	41
27.4	0.81	37.6	0.89	48.3	0.94	58.7	0.98	70.0	1.01	82.3	1.04	97.0	1.07	114.7	1.10	132.4	1.12	42
27.5	0.81	37.6	0.89	48.3	0.94	58.8	0.98	70.1	1.01	82.4	1.04	97.1	1.07	114.8	1.10	132.4	1.12	43
34.9	0.89	44.4	0.93	54.8	0.97	65.0	1.00	76.2	1.03	88.4	1.05	103.0	1.08	120.6	1.11	138.2	1.13	44
—	—	—	—	33.0	0.81	44.6	0.91	56.6	0.96	69.3	1.00	84.4	1.03	102.3	1.07	120.2	1.10	45
5VX1320		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		**5V2360**		**5V2650**		**5V3000**		**5V3350**		
38.8	0.91	48.1	0.95	58.4	0.98	68.6	1.01	79.7	1.04	91.8	1.06	106.4	1.09	124.0	1.11	141.6	1.13	46
—	—	—	—	33.2	0.81	44.7	0.91	56.8	0.96	69.5	1.00	84.5	1.03	102.5	1.07	120.3	1.10	47
27.6	0.81	37.7	0.89	48.5	0.94	58.9	0.98	70.2	1.01	82.5	1.04	97.2	1.07	114.9	1.10	132.6	1.12	48
35.0	0.89	44.5	0.93	54.9	0.97	65.2	1.00	76.4	1.03	88.5	1.05	103.2	1.08	120.8	1.11	138.4	1.13	49
27.7	0.81	37.8	0.89	48.5	0.94	59.0	0.98	70.3	1.01	82.6	1.04	97.3	1.07	115.0	1.10	132.6	1.12	50
5VX1320		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		**5V2360**		**5V2650**		**5V3000**		**5V3350**		
38.9	0.91	48.3	0.95	58.5	0.98	66.7	1.01	79.9	1.04	92.0	1.06	106.6	1.09	124.2	1.11	141.7	1.13	51
35.1	0.89	44.6	0.93	55.0	0.97	65.2	1.00	76.4	1.03	88.6	1.05	103.2	1.08	120.9	1.11	138.4	1.13	52
27.7	0.81	37.9	0.89	48.6	0.94	59.0	0.98	70.4	1.01	82.6	1.04	97.4	1.07	115.1	1.10	132.7	1.12	53
—	—	—	—	33.4	0.81	45.0	0.91	57.0	0.96	69.7	1.00	84.8	1.03	102.8	1.07	120.6	1.10	54
35.1	0.89	44.7	0.93	55.0	0.97	65.3	1.00	76.5	1.03	88.7	1.05	103.3	1.08	120.9	1.11	138.5	1.13	55
5VX1320		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		**5V2360**		**5V2650**		**5V3000**		**5V3350**		
—	—	—	—	33.5	0.81	45.1	0.91	57.1	0.96	69.8	1.00	84.9	1.03	102.8	1.07	120.6	1.10	56
27.8	0.81	38.0	0.89	48.7	0.94	59.2	0.98	70.5	1.01	82.8	1.04	97.5	1.07	115.2	1.09	132.9	1.12	57
27.9	0.81	38.1	0.89	48.8	0.94	59.2	0.98	70.6	1.01	82.9	1.04	97.6	1.07	115.3	1.09	132.9	1.12	58
35.3	0.89	44.8	0.93	55.2	0.97	65.4	1.00	76.6	1.03	88.8	1.05	103.4	1.08	121.1	1.11	138.7	1.13	59
—	—	—	—	33.6	0.81	45.2	0.91	57.3	0.96	70.0	1.00	85.1	1.03	103.0	1.07	120.9	1.10	60
5VX1320		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		**5V2360**		**5V2650**		**5V3000**		**5V3350**		
28.0	0.81	38.1	0.89	48.9	0.94	59.3	0.98	70.7	1.01	82.9	1.04	97.7	1.07	115.4	1.09	133.0	1.12	61
—	—	—	—	33.7	0.81	45.3	0.91	57.3	0.96	70.1	1.00	85.1	1.03	103.1	1.07	120.9	1.10	62
—	—	—	—	33.7	0.81	45.4	0.91	57.4	0.96	70.1	1.00	85.2	1.03	103.2	1.07	121.0	1.10	63
35.4	0.89	44.9	0.93	55.3	0.97	65.6	1.00	76.8	1.03	88.9	1.05	103.6	1.08	121.2	1.10	138.8	1.13	64
28.1	0.81	38.3	0.89	49.0	0.94	59.4	0.98	70.8	1.01	83.1	1.04	97.8	1.07	115.5	1.09	133.2	1.12	65
5VX1320		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		**5V2360**		**5V2650**		**5V3000**		**5V3350**		
—	—	—	—	33.9	0.81	45.5	0.91	57.5	0.96	70.3	1.00	85.3	1.03	103.3	1.07	121.1	1.10	66
—	—	—	—	33.9	0.81	45.6	0.91	57.6	0.95	70.3	1.00	85.4	1.03	103.4	1.07	121.2	1.10	67
28.2	0.81	38.4	0.89	49.1	0.94	59.6	0.98	70.9	1.01	83.2	1.04	97.9	1.07	115.7	1.09	133.3	1.12	68
—	—	—	—	34.0	0.81	45.6	0.91	57.7	0.95	70.4	1.00	85.5	1.03	103.5	1.07	121.3	1.10	69
28.3	0.81	38.4	0.89	49.2	0.94	59.6	0.98	71.0	1.01	83.3	1.04	98.0	1.07	115.7	1.09	133.4	1.12	70
5VX1320		**5VX1500**		**5VX1700**		**5VX1900**		**5V2120**		**5V2360**		**5V2650**		**5V3000**		**5V3350**		
—	—	—	—	34.1	0.81	45.7	0.91	57.8	0.95	70.5	0.99	85.6	1.03	103.6	1.07	121.4	1.10	71
28.3	0.81	38.5	0.89	49.2	0.94	59.7	0.98	71.1	1.01	83.3	1.04	98.1	1.06	115.8	1.09	133.4	1.12	72
—	—	—	—	34.2	0.81	45.8	0.91	57.9	0.95	70.6	0.99	85.7	1.03	103.7	1.07	121.5	1.10	73
—	—	—	—	34.2	0.81	45.9	0.91	57.9	0.95	70.7	0.99	85.7	1.03	103.7	1.07	121.6	1.10	74
28.4	0.81	38.6	0.89	49.4	0.94	59.9	0.98	71.2	1.01	83.5	1.04	98.2	1.06	115.9	1.09	133.6	1.12	75

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves		Pitch Diameter		Type		Nominal Driven Speeds and Horsepower per Belt						Center Distance in Inches and "F" Factor for Browning Belts					
								1750 RPM Driver			1160 RPM Driver			Belt No.		Belt No.		Belt No.	
		Min	Max	Driver	Driven	Fix.	Var.	Nominal Driven Speed	HP per Belt Super	HP per Belt Gripnotch	Nominal Driven Speed	HP per Belt Super	HP per Belt Gripnotch	C.D.	F	C.D.	F	C.D.	F
														5VX600		5VX850		5VX1060	
1	8.45	3	4	5.9	49.9	X	—	207	—	16.82	137	—	11.83	—	—	—	—	—	—
2	8.60	3	6	5.8	49.9	X	—	203	—	16.37	134	—	11.51	—	—	—	—	—	—
3	8.69	3	6	4.3	37.4	X	—	201	—	9.49	133	—	6.73	—	—	41.9	0.82	—	—
4	8.75	3	4	5.7	49.9	X	—	200	—	15.92	132	—	11.20	—	—	—	—	—	—
5	9.07	3	4	5.5	49.9	X	—	192	—	15.02	127	—	10.57	—	—	—	—	—	—
														5VX600		5VX850		5VX1060	
6	9.24	3	6	5.4	49.9	X	—	189	—	14.56	125	—	10.25	—	—	—	—	—	—
7	9.41	3	4	5.3	49.9	X	—	185	—	14.11	123	—	9.93	—	—	—	—	—	—
8	9.78	3	6	5.1	49.9	X	—	178	—	13.19	118	—	9.30	—	—	—	—	—	—
9	10.18	3	4	4.9	49.9	X	—	171	—	12.28	113	—	8.66	—	—	—	—	—	—
10	10.39	3	6	4.8	49.9	X	—	168	—	11.81	111	—	8.34	—	—	—	—	—	—

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc−Length Factor (F) using Browning Belts																		Line No.
Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
5VX1320		5VX1500		SVX1700		5VX1900		5V2120		5V2360		5V2650		5V3000		5V3350		
—	—	—	—	34.3	0.81	46.0	0.91	58.0	0.95	70.8	0.99	85.9	1.03	103.9	1.07	121.7	1.10	1
—	—	—	—	34.4	0.81	46.1	0.91	58.1	0.95	70.9	0.99	85.9	1.03	103.9	1.07	121.8	1.10	2
28.6	0.81	38.8	0.89	49.5	0.94	60.0	0.97	71.3	1.01	83.6	1.04	98.4	1.06	116.1	1.09	133.7	1.12	3
—	—	—	—	34.5	0.81	46.1	0.91	58.2	0.95	70.9	0.99	86.0	1.03	104.0	1.07	121.9	1.10	4
—	—	—	—	34.6	0.81	46.2	0.90	58.3	0.95	71.1	0.99	86.2	1.03	104.1	1.07	122.0	1.10	5
5VX1320		5VX1500		5VX1700		5VX1900		5V2120		5V2360		5V2650		5V3000		5V3350		
—	—	—	—	34.6	0.81	46.3	0.90	58.4	0.95	71.1	0.99	86.2	1.03	104.2	1.07	122.1	1.10	6
—	—	—	—	34.7	0.81	46.4	0.90	58.4	0.95	71.2	0.99	86.3	1.03	104.3	1.07	122.1	1.09	7
—	—	—	—	34.8	0.81	46.5	0.90	58.6	0.95	71.3	0.99	86.4	1.03	104.4	1.07	122.3	1.09	8
—	—	—	—	34.9	0.80	46.6	0.90	58.7	0.95	71.4	0.99	86.6	1.03	104.6	1.07	122.4	1.09	9
—	—	—	—	35.0	0.80	46.7	0.90	58.8	0.95	71.5	0.99	86.6	1.03	104.6	1.07	122.5	1.09	10

B

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Pitch Diameter Driver	Pitch Diameter Driven	Type Fix.	Type Var.	Nominal Driven Speeds and Horsepower per Belt — 1160 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	870 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	Center Distance in Inches and "F" Factor for Browning Belts: Belt No.	C.D.	F	Belt No.	C.D.	F	Belt No.	C.D.	F
														8V1000			8V1120			8V1250		
1	1.00	4	16	12.3	12.3	x	—	1160	42.58	—	870	35.00	—	30.7	0.87		36.7	0.89		43.2	0.90	
2	1.00	4	16	13.0	13.0	x	—	1160	47.26	—	870	38.88	—	29.6	0.87		35.6	0.89		42.1	0.90	
3	1.00	4	16	13.8	13.8	x	—	1160	52.48	—	870	43.24	—	28.3	0.87		34.3	0.89		40.8	0.90	
4	1.00	4	16	14.8	14.8	x	—	1160	58.78	—	870	48.58	—	26.8	0.87		32.8	0.89		39.3	0.90	
5	1.00	4	16	15.8	15.8	x	—	1160	64.81	—	870	53.81	—	25.2	0.87		31.2	0.89		37.7	0.90	
														8V1000			8V1120			8V1250		
6	1.00	4	16	16.8	16.8	x	—	1160	70.58	—	870	58.90	—	23.6	0.87		29.6	0.89		36.1	0.90	
7	1.00	4	16	17.8	17.8	x	—	1160	76.06	—	870	63.87	—	22.1	0.87		28.1	0.89		34.6	0.90	
8	1.00	4	16	18.8	18.8	x	—	1160	81.25	—	870	68.70	—	20.5	0.87		26.5	0.89		33.0	0.90	
9	1.00	4	16	19.8	19.8	x	—	1160	86.12	—	870	73.39	—	—	—		24.9	0.89		31.4	0.90	
10	1.00	4	16	21.0	21.0	x	—	1160	91.55	—	870	78.82	—	—	—		23.0	0.89		29.5	0.90	
														8V1000			8V1120			8V1250		
11	1.00	4	16	22.2	22.2	x	—	—	—	—	870	84.04	—	—	—		—	—		27.6	0.90	
12	1.00	4	12	24.6	24.6	x	—	—	—	—	870	93.77	—	—	—		—	—		—	—	
13	1.05	4	16	12.3	13.0	x	—	1104	44.06	—	828	36.11	—	30.1	0.87		36.1	0.88		42.6	0.90	
14	1.05	4	16	17.8	18.8	x	—	1104	77.54	—	828	64.98	—	21.3	0.86		27.3	0.88		33.8	0.90	
15	1.05	4	16	18.8	19.8	x	—	1104	82.73	—	828	69.81	—	—	—		25.7	0.88		32.2	0.90	
														8V1000			8V1120			8V1250		
16	1.05	4	16	21.0	22.2	x	—	1104	93.03	—	828	79.93	—	—	—		—	—		28.6	0.90	
17	1.06	4	16	13.0	13.8	x	—	1094	48.75	—	820	39.99	—	29.0	0.87		35.0	0.88		41.5	0.90	
18	1.06	4	16	14.8	15.8	x	—	1094	60.26	—	820	49.69	—	26.0	0.86		32.0	0.88		38.5	0.90	
19	1.06	4	16	15.8	16.8	x	—	1094	66.30	—	820	54.92	—	24.4	0.86		30.4	0.88		36.9	0.90	
20	1.06	4	16	19.8	21.0	x	—	1094	87.61	—	820	74.50	—	—	—		24.0	0.88		30.5	0.90	
														8V1000			8V1120			8V1250		
21	1.07	4	16	13.8	14.8	x	—	1084	53.96	—	813	44.35	—	27.5	0.87		33.5	0.88		40.0	0.90	
22	1.11	4	16	17.8	19.8	x	—	1045	78.65	—	783	65.81	—	20.5	0.86		26.5	0.88		33.0	0.89	
23	1.11	4	16	18.8	21.0	x	—	1045	83.83	—	783	70.64	—	—	—		24.7	0.87		31.2	0.89	
24	1.12	4	16	12.3	13.8	x	—	1035	45.16	—	776	36.94	—	29.5	0.86		35.5	0.88		42.0	0.90	
25	1.12	4	16	15.8	17.8	x	—	1035	67.40	—	776	55.74	—	23.6	0.86		29.6	0.88		36.1	0.89	
														8V1000			8V1120			8V1250		
26	1.12	4	16	19.8	22.2	x	—	1035	88.71	—	776	75.33	—	—	—		23.0	0.87		29.5	0.89	
27	1.13	4	16	13.0	14.8	x	—	1026	49.85	—	769	40.81	—	28.2	0.86		34.2	0.88		40.7	0.90	
28	1.13	4	16	14.8	16.8	x	—	1026	61.36	—	769	50.52	—	25.2	0.86		31.2	0.88		37.7	0.90	
29	1.14	4	16	13.8	15.8	x	—	1017	55.06	—	763	45.18	—	26.7	0.86		32.7	0.88		39.3	0.90	
30	1.17	4	16	16.8	19.8	x	—	991	73.16	—	743	60.84	—	21.2	0.85		27.2	0.87		33.7	0.89	
														8V1000			8V1120			8V1250		
31	1.17	4	12	21.0	24.6	x	—	991	94.13	—	743	80.76	—	—	—		—	—		26.6	0.88	
32	1.18	4	16	18.8	22.2	x	—	983	84.76	—	737	71.34	—	—	—		23.8	0.87		30.3	0.89	
33	1.20	4	16	12.3	14.8	x	—	966	46.09	—	725	37.64	—	28.7	0.86		34.7	0.88		41.2	0.89	
34	1.20	4	16	14.8	17.8	x	—	966	62.29	—	725	51.22	—	24.4	0.85		30.4	0.87		36.9	0.89	
35	1.21	4	16	13.0	15.8	x	—	958	50.78	—	719	41.51	—	27.4	0.86		33.4	0.87		39.9	0.89	
														8V1000			8V1120			8V1250		
36	1.21	4	16	13.8	16.8	x	—	958	56.00	—	719	45.88	—	25.9	0.85		31.9	0.87		38.4	0.89	
37	1.21	4	12	24.6	29.8	x	—	—	—	—	719	96.41	—	—	—		—	—		—	—	
38	1.24	4	16	17.8	22.2	x	—	935	79.58	—	701	66.51	—	—	—		24.5	0.86		31.0	0.88	
39	1.24	4	12	19.8	24.6	x	—	935	89.64	—	701	76.03	—	—	—		—	—		27.5	0.88	
40	1.25	4	16	15.8	19.8	x	—	928	68.33	—	696	56.44	—	22.0	0.84		28.0	0.87		34.5	0.89	
														8V1000			8V1120			8V1250		
41	1.25	4	16	16.8	21.0	x	—	928	74.10	—	696	61.54	—	20.2	0.84		26.2	0.86		32.8	0.86	
42	1.27	4	16	14.8	18.8	x	—	913	63.04	—	685	51.78	—	23.5	0.85		29.6	0.87		36.1	0.89	
43	1.28	4	16	12.3	15.8	x	—	906	46.84	—	679	38.20	—	27.9	0.85		33.9	0.87		40.4	0.89	
44	1.28	4	16	13.8	17.8	x	—	906	56.74	—	679	46.43	—	25.1	0.85		31.1	0.87		37.6	0.89	
45	1.29	4	16	13.0	16.8	x	—	899	51.53	—	674	42.07	—	26.5	0.85		32.6	.0.87		39.1	0.89	
														8V1000			8V1120			8V1250		
46	1.32	4	16	15.8	21.0	x	—	878	69.08	—	659	57.00	—	21.0	0.83		27.0	0.86		33.5	0.88	
47	1.32	4	16	16.8	22.2	x	—	878	74.84	—	659	62.10	—	—	—		25.2	0.86		31.8	0.88	
48	1.33	4	16	14.8	19.8	x	—	872	63.04	—	654	51.78	—	22.7	0.84		28.7	0.86		35.3	0.88	
49	1.34	4	16	22.2	29.8	x	—	—	—	—	649	87.23	—	—	—		—	—		—	—	
50	1.36	4	16	12.3	16.8	x	—	852	46.84	—	639	38.20	—	27.1	0.85		33.1	0.87		39.6	0.89	
														8V1000			8V1120			8V1250		
51	1.36	4	16	13.0	17.8	x	—	852	51.53	—	639	42.07	—	25.7	0.84		31.7	0.86		38.2	0.88	
52	1.36	4	16	13.8	18.8	x	—	852	56.74	—	639	46.43	—	24.3	0.84		30.3	0.86		36.8	0.88	
53	1.38	4	12	17.8	24.6	x	—	840	81.05	—	630	67.61	—	—	—		—	—		29.0	0.87	
54	1.40	4	16	15.8	22.2	x	—	828	69.81	—	621	57.55	—	—	—		26.0	0.85		32.5	0.87	
55	1.41	4	16	14.8	21.0	x	—	822	63.77	—	617	52.33	—	21.7	0.83		27.7	0.85		34.3	0.88	
														8V1000			8V1120			8V1250		
56	1.43	4	16	13.8	19.8	x	—	811	57.47	—	608	46.98	—	23.4	0.83		29.5	0.86		36.0	0.88	
57	1.43	4	12	24.6	35.3	x	—	—	—	—	608	97.51	—	—	—		—	—		—	—	
58	1.44	4	16	12.3	17.8	x	—	805	47.57	—	604	38.74	—	26.2	0.84		32.3	0.86		38.8	0.88	
59	1.44	4	16	13.0	18.8	x	—	805	52.26	—	604	42.62	—	24.9	0.84		30.9	0.86		37.4	0.88	
60	1.46	4	12	16.8	24.6	x	—	794	75.57	—	595	62.65	—	—	—		23.2	0.84		29.7	0.86	
						x								8V1000			8V1120			8V1250		
61	1.50	4	16	14.8	22.2	x	—	773	63.77	—	580	52.33	—	20.6	0.82		26.7	0.85		33.2	0.87	
62	1.50	4	16	19.8	29.8	x	—	773	91.12	—	580	77.13	—	—	—		—	—		—	—	
63	1.52	4	16	12.3	18.8	x	—	763	47.57	—	572	38.74	—	25.4	0.83		31.4	0.86		37.9	0.88	
64	1.52	4	16	13.0	19.8	x	—	763	52.26	—	572	42.62	—	24.0	0.83		30.1	0.85		36.6	0.88	
65	1.52	4	16	13.8	21.0	x	—	763	57.47	—	572	46.98	—	22.4	0.82		28.5	0.85		35.0	0.87	
														8V1000			8V1120			8V1250		
66	1.55	4	12	15.8	24.6	x	—	748	69.81	—	561	57.55	—	—	—		23.9	0.83		30.5	0.86	
67	1.58	4	16	18.8	29.8	x	—	734	86.87	—	550	72.91	—	—	—		—	—		—	—	
68	1.59	4	12	22.2	35.3	x	—	—	—	—	547	88.25	—	—	—		—	—		—	—	
69	1.60	4	16	12.3	19.8	x	—	725	48.20	—	543	39.21	—	24.5	0.83		30.6	0.85		37.1	0.87	
70	1.60	4	16	13.8	22.2	x	—	725	58.10	—	543	47.45	—	21.3	0.81		27.4	0.84		34.0	0.87	
														8V1000			8V1120			8V1250		
71	1.61	4	16	13.0	21.0	x	—	720	52.88	—	540	43.09	—	23.0	0.82		29.0	0.85		35.6	0.87	
72	1.66	4	12	14.8	24.6	x	—	698	64.39	—	524	52.80	—	—	—		24.6	0.83		31.2	0.86	
73	1.67	4	16	17.8	29.8	x	—	694	81.68	—	520	68.08	—	—	—		—	—		—	—	
74	1.68	4	12	21.0	35.3	x	—	690	97.17	—	517	83.04	—	—	—		—	—		—	—	
75	1.70	4	16	12.3	21.0	x	—	682	48.20	—	511	39.21	—	23.5	0.82		29.5	0.84		36.1	0.87	

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc–Length Factor (F) using Browning Belts

Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Belt No		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
8V1400		**8V1600**		**8V1800**		**8V2000**		**8V2240**		**8V2500**		**8V2800**		**8V3150**		**8V3550**		
50.7	0.92	60.7	0.94	70.7	0.96	80.7	0.97	92.7	0.99	105.7	1.00	120.7	1.02	138.2	1.04	158.2	1.06	1
49.6	0.92	59.6	0.94	69.6	0.96	79.6	0.97	91.6	0.99	104.6	1.00	119.6	1.02	137.1	1.04	157.1	1.06	2
48.3	0.92	58.3	0.94	68.3	0.96	78.3	0.97	90.3	0.99	103.3	1.00	118.3	1.02	135.8	1.04	155.8	1.06	3
46.8	0.92	56.8	0.94	66.8	0.96	76.8	0.97	88.8	0.99	101.8	1.00	116.8	1.02	134.3	1.04	154.3	1.06	4
45.2	0.92	55.2	0.94	65.2	0.96	75.2	0.97	87.2	0.99	100.2	1.00	115.2	1.02	132.7	1.04	152.7	1.06	5
8V1400		**8V1600**		**8V1800**		**8V2000**		**8V2240**		**8V2500**		**8V2800**		**8V3150**		**8V3550**		
43.6	0.92	53.6	0.94	63.6	0.96	73.6	0.97	85.6	0.99	98.6	1.00	113.6	1.02	131.1	1.04	151.1	1.06	6
42.1	0.92	52.1	0.94	62.1	0.96	72.1	0.97	84.1	0.99	97.1	1.00	112.1	1.02	129.6	1.04	149.6	1.06	7
40.5	0.92	50.5	0.94	60.5	0.96	70.5	0.97	82.5	0.99	95.5	1.00	110.5	1.02	128.0	1.04	148.0	1.06	8
38.9	0.92	48.9	0.94	58.9	0.96	68.9	0.97	80.9	0.99	93.9	1.00	108.9	1.02	126.4	1.04	146.4	1.06	9
37.0	0.92	47.0	0.94	57.0	0.96	67.0	0.97	79.0	0.99	92.0	1.00	107.0	1.02	124.5	1.04	144.5	1.06	10
8V1400		**8V1600**		**8V1800**		**8V2000**		**8V2240**		**8V2500**		**8V2800**		**8V3150**		**8V3550**		
35.1	0.92	45.1	0.94	55.1	0.96	65.1	0.97	77.1	0.99	90.1	1.00	105.1	1.02	122.6	1.04	142.6	1.06	11
31.4	0.92	41.4	0.94	51.4	0.96	61.4	0.97	73.4	0.99	86.4	1.00	101.4	1.02	118.9	1.04	138.9	1.06	12
50.1	0.92	60.1	0.94	70.1	0.96	80.1	0.97	92.1	0.99	105.1	1.00	120.1	1.02	137.6	1.04	157.6	1.06	13
41.3	0.92	51.3	0.94	61.3	0.95	71.3	0.97	83.3	0.99	96.3	1.00	111.3	1.02	128.8	1.04	148.8	1.05	14
39.7	0.92	49.7	0.94	59.7	0.95	69.7	0.97	81.7	0.99	94.7	1.00	109.7	1.02	127.2	1.04	147.2	1.05	15
8V1400		**8V1600**		**8V1800**		**8V2000**		**8V2240**		**8V2500**		**8V2800**		**8V3150**		**8V3550**		
36.1	0.91	46.1	0.94	56.1	0.95	66.1	0.97	78.1	0.99	91.1	1.00	106.1	1.02	123.6	1.04	143.6	1.05	16
49.0	0.92	59.0	0.94	69.0	0.95	79.0	0.97	91.0	0.99	104.0	1.00	119.0	1.02	136.5	1.04	156.5	1.06	17
46.0	0.92	56.0	0.94	66.0	0.95	76.0	0.97	88.0	0.99	101.0	1.00	116.0	1.02	133.5	1.04	153.5	1.05	18
44.4	0.92	54.4	0.94	64.4	0.95	74.4	0.97	86.4	0.99	99.4	1.00	114.4	1.02	131.9	1.04	151.9	1.05	19
38.0	0.91	48.0	0.94	58.0	0.95	68.0	0.97	80.0	0.99	93.0	1.00	108.0	1.02	125.5	1.04	145.5	1.05	20
8V1400		**8V1600**		**8V1800**		**8V2000**		**8V2240**		**8V2500**		**8V2800**		**8V3150**		**8V3550**		
47.5	0.92	57.5	0.94	67.5	0.95	77.5	0.97	89.5	0.99	102.5	1.00	117.5	1.02	135.0	1.04	155.0	1.05	21
40.5	0.91	50.5	0.93	60.5	0.95	70.5	0.97	82.5	0.98	95.5	1.00	110.5	1.02	128.0	1.04	148.0	1.05	22
38.7	0.91	48.7	0.93	58.7	0.95	68.7	0.97	80.7	0.98	93.8	1.00	108.8	1.02	126.3	1.04	146.3	1.05	23
49.5	0.92	59.5	0.94	69.5	0.95	79.5	0.97	91.5	0.99	104.5	1.00	119.5	1.02	137.0	1.04	157.0	1.05	24
43.6	0.91	53.6	0.93	63.6	0.95	73.6	0.97	85.6	0.98	98.6	1.00	113.6	1.02	131.1	1.04	151.1	1.05	25
8V1400		**8V1600**		**8V1800**		**8V2000**		**8V2240**		**8V2500**		**8V2800**		**8V3150**		**8V3550**		
37.0	0.91	47.0	0.93	57.0	0.95	67.0	0.97	79.0	0.98	92.0	1.00	107.0	1.02	124.5	1.04	144.5	1.05	26
48.2	0.91	58.2	0.93	68.2	0.95	78.2	0.97	90.2	0.99	103.2	1.00	118.2	1.02	135.7	1.04	155.7	1.05	27
45.2	0.91	55.2	0.93	65.2	0.95	75.2	0.97	87.2	0.98	100.2	1.00	115.2	1.02	132.7	1.04	152.7	1.05	28
46.8	0.91	56.8	0.93	66.8	0.95	76.8	0.97	88.8	0.98	101.8	1.00	116.8	1.02	134.3	1.04	154.3	1.05	29
41.2	0.91	51.2	0.93	61.3	0.95	71.3	0.97	83.3	0.98	96.3	1.00	111.3	1.02	128.8	1.03	148.8	1.05	30
8V1400		**8V1600**		**8V1800**		**8V2000**		**8V2240**		**8V2500**		**8V2800**		**8V3150**		**8V3550**		
34.2	0.90	44.2	0.93	54.2	0.95	64.2	0.96	76.2	0.98	89.2	1.00	104.2	1.02	121.7	1.03	141.7	1.05	31
37.8	0.91	47.8	0.93	57.8	0.95	67.8	0.96	79.8	0.98	92.8	1.00	107.8	1.02	125.3	1.03	145.3	1.05	32
48.7	0.91	58.7	0.93	68.7	0.95	78.7	0.97	90.7	0.98	103.7	1.00	118.7	1.02	136.2	1.04	156.2	1.05	33
44.4	0.91	54.4	0.93	64.4	0.95	74.4	0.97	86.4	0.98	99.4	1.00	114.4	1.02	131.9	1.03	151.9	1.05	34
47.4	0.91	57.4	0.93	67.4	0.95	77.4	0.97	89.4	0.98	102.4	1.00	117.4	1.02	134.9	1.04	154.9	1.05	35
8V1400		**8V1600**		**8V1800**		**8V2000**		**8V2240**		**8V2500**		**8V2800**		**8V3150**		**8V3550**		
46.0	0.91	56.0	0.93	66.0	0.95	76.0	0.97	88.0	0.98	101.0	1.00	116.0	1.02	133.5	1.03	153.5	1.05	36
—	—	37.2	0.92	47.2	0.94	57.2	0.96	69.2	0.98	82.3	0.99	97.3	1.01	114.8	1.03	134.8	1.05	37
38.5	0.90	48.6	0.93	58.6	0.94	68.6	0.96	80.6	0.98	93.6	1.00	108.6	1.01	126.1	1.03	146.1	1.05	38
35.1	0.90	45.1	0.92	55.1	0.94	65.1	0.96	77.1	0.98	90.1	1.00	105.1	1.01	122.6	1.03	142.6	1.05	39
42.0	0.91	52.0	0.93	62.0	0.95	72.0	0.96	84.0	0.98	97.0	1.00	112.0	1.02	129.5	1.03	149.5	1.05	40
8V1400		**8V1600**		**8V1800**		**8V2000**		**8V2240**		**8V2500**		**8V2800**		**8V3150**		**8V3550**		
40.3	0.90	50.3	0.93	60.3	0.95	70.3	0.96	82.3	0.98	95.3	1.00	110.3	1.01	127.8	1.03	147.8	1.05	41
43.6	0.91	53.6	0.93	63.6	0.95	73.6	0.96	85.6	0.98	98.6	1.00	113.6	1.02	131.1	1.03	151.1	1.05	42
47.9	0.91	57.9	0.93	67.9	0.95	77.9	0.96	89.9	0.98	102.9	1.00	117.9	1.02	135.4	1.03	155.4	1.05	43
45.1	0.91	55.2	0.93	65.2	0.95	75.2	0.96	87.2	0.98	100.2	1.00	115.2	1.02	132.7	1.03	152.7	1.05	44
46.6	0.91	56.6	0.93	66.6	0.95	76.6	0.96	88.6	0.98	101.6	1.00	116.6	1.02	134.1	1.03	154.1	1.05	45
8V1400		**8V1600**		**8V1800**		**8V2000**		**8V2240**		**8V2500**		**8V2800**		**8V3150**		**8V3550**		
41.0	0.90	51.0	0.92	61.1	0.94	71.1	0.96	83.1	0.98	96.1	1.00	111.1	1.01	128.6	1.03	148.6	1.05	46
39.3	0.90	49.3	0.92	59.3	0.94	69.3	0.96	81.3	0.98	94.3	1.00	109.4	1.01	126.9	1.03	146.9	1.05	47
42.8	0.90	52.8	0.92	62.8	0.94	72.8	0.96	84.8	0.98	97.8	1.00	112.8	1.01	130.3	1.03	150.3	1.05	48
28.9	0.88	39.0	0.91	49.0	0.93	59.1	0.95	71.1	0.97	84.1	0.99	99.1	1.01	116.6	1.03	136.6	1.05	49
47.1	0.91	57.1	0.93	67.1	0.95	77.1	0.96	89.1	0.98	102.1	1.00	117.1	1.01	134.6	1.03	154.6	1.05	50
8V1400		**8V1600**		**8V1800**		**8V2000**		**8V2240**		**8V2500**		**8V2800**		**8V3150**		**8V3550**		
45.8	0.90	55.8	0.93	65.8	0.95	75.8	0.96	87.8	0.98	100.8	1.00	115.8	1.01	133.3	1.03	153.3	1.05	51
44.3	0.90	54.4	0.93	64.4	0.94	74.4	0.96	86.4	0.98	99.4	1.00	114.4	1.01	131.9	1.03	151.9	1.05	52
36.6	0.89	46.6	0.92	56.6	0.94	66.6	0.96	78.6	0.97	91.7	0.99	106.7	1.01	124.2	1.03	144.2	1.05	53
40.0	0.90	50.1	0.92	60.1	0.94	70.1	0.96	82.1	0.98	95.1	0.99	110.1	1.01	127.6	1.03	147.6	1.05	54
41.8	0.90	51.8	0.92	61.8	0.94	71.8	0.96	83.8	0.98	96.8	0.99	111.9	1.01	129.4	1.03	149.4	1.05	55
8V1400		**8V1600**		**8V1800**		**8V2000**		**8V2240**		**8V2500**		**8V2800**		**8V3150**		**8V3550**		
43.5	0.90	53.5	0.92	63.6	0.94	73.6	0.96	85.6	0.98	98.6	0.99	113.6	1.01	131.1	1.03	151.1	1.05	56
—	—	32.5	0.89	42.6	0.92	52.7	0.94	64.8	0.96	77.8	0.98	92.8	1.00	110.3	1.02	130.4	1.04	57
46.3	0.90	56.3	0.92	66.3	0.94	76.3	0.96	88.3	0.98	101.3	1.00	116.3	1.01	133.8	1.03	153.8	1.05	58
44.9	0.90	55.0	0.92	65.0	0.94	75.0	0.96	87.0	0.98	100.0	1.00	115.0	1.01	132.5	1.03	152.5	1.05	59
37.3	0.89	47.3	0.91	57.4	0.94	67.4	0.95	79.4	0.97	92.4	0.99	107.4	1.01	124.9	1.03	144.9	1.05	60
8V1400		**8V1600**		**8V1800**		**8V2000**		**8V2240**		**8V2500**		**8V2800**		**8V3150**		**8V3550**		
40.8	0.89	50.8	0.92	60.8	0.94	70.9	0.96	82.9	0.97	95.9	0.99	110.9	1.01	128.4	1.03	148.4	1.05	61
30.7	0.87	40.8	0.90	50.8	0.93	60.9	0.95	72.9	0.97	85.9	0.99	100.9	1.00	118.5	1.02	138.5	1.04	62
45.5	0.90	55.5	0.92	65.5	0.94	75.5	0.96	87.5	0.98	100.5	0.99	115.5	1.01	133.0	1.03	153.1	1.05	63
44.1	0.90	54.1	0.92	64.2	0.94	74.2	0.96	86.2	0.98	99.2	0.99	114.2	1.01	131.7	1.03	151.7	1.05	64
42.5	0.89	52.6	0.92	62.6	0.94	72.6	0.96	84.6	0.97	97.6	0.99	112.6	1.01	130.1	1.03	150.1	1.05	65
8V1400		**8V1600**		**8V1800**		**8V2000**		**8V2240**		**8V2500**		**8V2800**		**8V3150**		**8V3550**		
38.0	0.88	48.1	0.91	58.1	0.93	68.1	0.95	80.2	0.97	93.2	0.99	108.2	1.01	125.7	1.03	145.7	1.05	66
31.4	0.87	41.5	0.90	51.6	0.92	61.6	0.94	73.6	0.96	86.7	0.98	101.7	1.00	119.2	1.02	139.2	1.04	67
—	—	34.2	0.88	44.4	0.91	54.5	0.93	66.5	0.96	79.6	0.98	94.6	1.00	112.2	1.02	132.2	1.04	68
44.6	0.89	54.7	0.92	64.7	0.94	74.7	0.96	86.7	0.97	99.7	0.99	114.7	1.01	132.2	1.03	152.3	1.05	69
41.5	0.89	51.6	0.91	61.6	0.93	71.6	0.95	83.6	0.97	96.6	0.99	111.7	1.01	129.2	1.03	149.2	1.05	70
8V1400		**8V1600**		**8V1800**		**8V2000**		**8V2240**		**8V2500**		**8V2800**		**8V3150**		**8V3550**		
43.1	0.89	53.2	0.92	63.2	0.94	73.2	0.95	85.2	0.97	98.2	0.99	113.2	1.01	130.7	1.03	150.8	1.05	71
38.8	0.88	48.8	0.91	58.9	0.93	68.9	0.95	80.9	0.97	93.9	0.99	109.0	1.01	126.5	1.03	146.5	1.04	72
32.1	0.86	42.2	0.90	52.3	0.92	62.3	0.94	74.4	0.96	87.4	0.98	102.5	1.00	120.0	1.02	140.0	1.04	73
—	—	35.1	0.88	45.2	0.91	55.3	0.93	67.4	0.95	80.5	0.98	95.5	1.00	113.1	1.02	133.1	1.04	74
43.6	0.89	53.7	0.91	63.7	0.93	73.7	0.95	85.7	0.97	98.8	0.99	113.8	1.01	131.3	1.03	151.3	1.05	75

B

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves Min	No. of Grooves Max	Pitch Diameter Driver	Pitch Diameter Driven	Type Fix.	Type Var.	Nominal Driven Speeds and Horsepower per Belt — 1160 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	870 RPM Driver: Nominal Driven Speed	HP per Belt: Super	HP per Belt: Gripnotch	Center Distance in Inches and "F" Factor for Browning Belts: Belt No.	C.D.	F	Belt No.	C.D.	F	Belt No.	C.D.	F
														8V1120			8V1180			8V1400		
1	1.70	4	16	13.0	22.2	x	—	682	52.88	—	511	43.09	—	28.0	0.84		31.0	0.85		42.1	0.89
2	1.77	4	16	16.8	29.8	x	—	655	76.20	—	491	63.12	—	—	—		—	—		32.8	0.86
3	1.78	4	12	13.8	24.6	x	—	651	58.10	—	488	47.45	—	25.3	0.82		28.3	0.84		39.5	0.88
4	1.78	4	12	19.8	35.3	x	—	651	91.74	—	488	77.60	—	—	—		—	—		—	—
5	1.79	4	16	22.2	39.8	x	—	—	—	—	486	88.25	—	—	—		—	—		—	—
														8V1120			8V1400			8V1600		
6	1.80	4	16	12.3	22.2	x	—	644	48.20	—	483	39.21	—	28.5	0.84		42.6	0.88		52.7	0.91
7	1.80	4	12	24.6	44.3	x	—	—	—	—	483	97.98	—	—	—		—	—		—	—
8	1.87	4	12	18.8	35.3	x	—	620	86.87	—	465	72.91	—	—	—		—	—		36.6	0.87
9	1.88	4	16	15.8	29.8	x	—	617	70.43	—	462	58.02	—	—	—		33.5	0.86		43.6	0.89
10	1.89	4	12	13.0	24.6	x	—	613	52.88	—	460	43.09	—	25.8	0.82		40.1	0.88		50.1	0.90
														8V1120			8V1400			8V1600		
11	1.89	4	16	21.0	39.8	x	—	613	97.17	—	460	83.04	—	—	—		—	—		—	—
12	1.94	4	12	24.6	47.8	x	—	—	—	—	448	98.36	—	—	—		—	—		—	—
13	1.98	4	12	17.8	35.3	x	—	585	82.18	—	439	68.46	—	—	—		—	—		37.3	0.87
14	1.99	4	12	22.2	44.3	x	—	—	—	—	437	88.63	—	—	—		—	—		—	—
15	2.00	4	12	12.3	24.6	x	—	580	48.70	—	435	39.59	—	26.3	0.82		40.6	0.87		50.7	0.90
														8V1000			8V1120			8V1250		
16	2.01	4	16	14.8	29.8	x	—	577	64.90	—	432	53.17	—	—	—		—	—		26.4	0.82
17	2.01	4	16	19.8	39.8	x	—	577	92.24	—	432	77.98	—	—	—		—	—		—	—
18	2.10	4	12	16.8	35.3	x	—	552	76.70	—	414	63.49	—	—	—		—	—		—	—
19	2.11	4	16	18.8	39.8	x	—	549	87.37	—	412	73.29	—	—	—		—	—		—	—
20	2.15	4	16	13.8	29.8	x	—	539	58.60	—	404	47.83	—	—	—		—	—		27.1	0.81
														8V1120			8V1400			8V1600		
21	2.15	4	16	22.2	47.8	x	—	—	—	—	404	88.63	—	—	—		—	—		—	—
22	2.23	4	12	15.8	35.3	x	—	520	70.93	—	390	58.40	—	—	—		28.2	0.81		38.7	0.86
23	2.23	4	16	17.8	39.8	x	—	520	82.18	—	390	68.46	—	—	—		—	—		33.0	0.84
24	2.23	4	12	19.8	44.3	x	—	520	92.24	—	390	77.98	—	—	—		—	—		—	—
25	2.27	4	16	21.0	47.8	x	—	511	97.67	—	383	83.41	—	—	—		—	—		—	—
														8V1120			8V1400			8V1600		
26	2.29	4	16	13.0	29.8	x	—	506	53.39	—	379	43.47	—	—	—		35.4	0.85		45.6	0.88
27	2.35	4	12	18.8	44.3	x	—	493	87.37	—	370	73.29	—	—	—		—	—		—	—
28	2.38	4	12	14.8	35.3	x	—	487	64.90	—	365	53.17	—	—	—		28.9	0.81		39.3	0.86
29	2.41	4	16	19.8	47.8	x	—	481	92.24	—	360	77.98	—	—	—		—	—		—	—
30	2.42	4	16	12.3	29.8	x	—	479	48.70	—	359	39.59	—	—	—		35.9	0.85		46.1	0.88
														8V1120			8V1400			8V1600		
31	2.51	4	16	15.8	39.8	x	—	462	70.93	—	346	58.40	—	—	—		—	—		34.3	0.83
32	2.51	4	16	21.0	52.8	x	—	462	97.67	—	346	83.41	—	—	—		—	—		—	—
33	2.54	4	16	18.8	47.8	x	—	456	87.37	—	342	73.29	—	—	—		—	—		—	—
34	2.55	4	12	13.8	35.3	x	—	454	58.60	—	341	47.83	—	—	—		29.5	0.81		40.0	0.86
35	2.55	8	8	24.6	62.8	x	—	—	—	—	341	98.36	—	—	—		—	—		50.9	0.82
														8V1120			8V1400			8V1600		
36	2.59	4	12	24.6	63.8	x	—	—	—	—	335	98.36	—	—	—		—	—		—	—
37	2.60	4	16	22.2	57.8	x	—	—	—	—	334	88.63	—	—	—		—	—		—	—
38	2.63	4	12	16.8	44.3	x	—	441	76.70	—	330	63.49	—	33.4	0.77		—	—		—	—
39	2.66	4	16	19.8	52.8	x	—	436	92.24	—	327	77.98	—	—	—		—	—		—	—
40	2.68	4	16	14.8	39.8	x	—	432	64.90	—	324	53.17	—	—	—		—	—		34.9	0.83
														8V1120			8V1400			8V1600		
41	2.68	4	16	17.8	47.8	x	—	432	82.18	—	324	68.46	—	—	—		—	—		—	—
42	2.71	4	12	13.0	35.3	x	—	428	53.39	—	321	43.47	—	—	—		30.0	0.81		40.6	0.85
43	2.75	4	16	21.0	57.8	x	—	421	97.67	—	316	83.41	—	—	—		—	—		—	—
44	2.80	4	12	15.8	44.3	x	—	414	70.93	—	310	58.40	—	46.6	0.80		—	—		—	—
45	2.84	4	16	16.8	47.8	x	—	408	76.70	—	306	63.49	—	—	—		—	—		—	—
														8V1120			8V1400			8V1600		
46	2.86	4	12	12.3	35.3	x	—	405	48.70	—	304	39.59	—	—	—		30.5	0.80		41.0	0.85
47	2.87	4	16	22.2	63.8	x	—	—	—	—	303	88.63	—	—	—		—	—		57.3	0.83
48	2.88	4	16	13.8	39.8	x	—	402	58.60	—	302	47.83	—	—	—		—	—		35.6	0.83
49	2.96	4	16	17.8	52.8	x	—	391	82.18	—	293	68.46	—	—	—		—	—		—	—
50	2.99	4	12	14.8	44.3	x	—	387	64.90	—	290	53.17	—	—	—		—	—		—	—
														8V1120			8V1400			8V1600		
51	2.99	8	8	21.0	62.8	x	—	387	97.67	—	290	83.41	—	—	—		—	—		—	—
52	3.02	4	16	15.8	47.8	x	—	384	70.93	—	288	58.40	—	—	—		—	—		—	—
53	3.06	4	16	13.0	39.8	x	—	379	53.39	—	284	43.47	—	—	—		—	—		36.1	0.82
54	3.07	4	16	18.8	57.8	x	—	377	87.37	—	283	73.29	—	—	—		—	—		—	—
55	3.14	4	16	16.8	52.8	x	—	369	76.70	—	277	63.49	—	—	—		—	—		—	—
														8V1120			8V1400			8V1600		
56	3.17	8	8	19.8	62.8	x	—	365	92.24	—	274	77.98	—	—	—		—	—		—	—
57	3.21	4	12	13.8	44.3	x	—	361	58.60	—	271	47.83	—	—	—		—	—		30.6	0.78
58	3.22	4	16	14.8	47.8	x	—	360	64.90	—	270	53.17	—	—	—		—	—		—	—
59	3.22	4	16	19.8	63.8	x	—	360	92.24	—	270	77.98	—	—	—		—	—		—	—
60	3.23	4	16	12.3	39.8	x	—	359	48.70	—	269	39.59	—	—	—		—	—		36.5	0.82
														8V1120			8V1400			8V1600		
61	3.24	4	16	17.8	57.8	x	—	358	82.18	—	268	68.46	—	—	—		—	—		—	—
62	3.34	4	16	15.8	52.8	x	—	347	70.93	—	260	58.40	—	—	—		—	—		—	—
63	3.34	8	8	18.8	62.8	x	—	347	87.37	—	260	73.29	—	—	—		—	—		—	—
64	3.39	4	16	18.8	63.8	x	—	342	87.73	—	256	73.56	—	—	—		—	—		—	—
65	3.40	4	12	13.0	44.3	x	—	341	53.75	—	255	43.74	—	—	—		—	—		31.1	0.78
														8V1120			8V1400			8V1600		
66	3.44	4	16	16.8	57.8	x	—	337	77.06	—	252	63.77	—	—	—		41.8	0.77		—	—
67	3.46	4	16	13.8	47.8	x	—	335	58.96	—	251	48.10	—	—	—		—	—		—	—
68	3.52	8	8	17.8	62.8	x	—	329	82.54	—	247	68.73	—	—	—		—	—		—	—
69	3.56	4	16	14.8	52.8	x	—	325	65.26	—	244	53.45	—	—	—		—	—		—	—
70	3.58	4	16	17.8	63.8	x	—	324	82.54	—	243	68.73	—	—	—		—	—		—	—
														8V1120			8V1400			8V1600		
71	3.60	4	12	12.3	44.3	x	—	322	49.06	—	241	39.86	—	—	—		—	—		31.6	0.78
72	3.65	4	16	15.8	57.8	x	—	317	71.30	—	238	58.67	—	—	—		50.1	0.79		—	—
73	3.67	4	16	13.0	47.8	x	—	316	53.75	—	237	43.74	—	—	—		—	—		—	—
74	3.73	8	8	16.8	62.8	x	—	310	77.06	—	233	63.77	—	—	—		—	—		—	—
75	3.79	4	16	16.8	63.8	x	—	306	77.06	—	229	63.77	—	—	—		—	—		—	—

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc–Length Factor (F) using Browning Belts

Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Line No.
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	
8V1600		**8V1800**		**8V2000**		**8V2240**		**8V2500**		**8V2800**		**8V3150**		**8V3550**		**8V4000**		
52.2	0.91	62.2	0.93	72.2	0.95	84.2	0.97	97.3	0.99	112.3	1.01	129.8	1.03	149.8	1.05	172.3	1.06	1
42.9	0.89	53.0	0.92	63.1	0.94	75.1	0.96	88.2	0.98	103.2	1.00	120.7	1.02	140.8	1.04	163.3	1.06	2
49.6	0.91	59.6	0.93	69.6	0.95	81.7	0.97	94.7	0.99	109.7	1.00	127.2	1.02	147.3	1.04	169.8	1.06	3
35.9	0.87	46.1	0.90	56.2	0.93	68.3	0.95	81.4	0.97	96.4	0.99	114.0	1.02	134.0	1.04	156.6	1.06	4
—	—	40.4	0.89	50.6	0.92	62.7	0.94	75.8	0.97	90.9	0.99	108.5	1.01	128.5	1.03	151.1	1.05	5
8V1800		**8V2000**		**8V2240**		**8V2500**		**8V2800**		**8V3150**		**8V3550**		**8V4000**		**8V4500**		
62.7	0.93	72.7	0.95	84.8	0.97	97.8	0.99	112.8	1.01	130.3	1.03	150.3	1.04	172.8	1.06	197.9	1.08	6
—	—	44.8	0.90	57.1	0.93	70.2	0.96	85.3	0.98	102.9	1.01	123.0	1.03	145.6	1.05	170.6	1.07	7
46.8	0.90	56.9	0.93	69.0	0.95	82.1	0.97	97.2	0.99	114.7	1.01	134.8	1.03	157.3	1.05	182.3	1.07	8
53.7	0.92	63.8	0.94	75.9	0.96	88.9	0.98	104.0	1.00	121.5	1.02	141.5	1.04	164.1	1.06	189.1	1.08	9
60.2	0.93	70.2	0.95	82.3	0.97	95.3	0.98	110.3	1.00	127.9	1.02	147.9	1.04	170.4	1.06	195.4	1.08	10
8V1800		**8V2000**		**8V2240**		**8V2500**		**8V2800**		**8V3150**		**8V3550**		**8V4000**		**8V4500**		
41.2	0.88	51.4	0.91	63.6	0.94	76.7	0.96	91.8	0.99	109.4	1.01	129.4	1.03	152.0	1.05	177.0	1.07	11
—	—	41.5	0.88	53.9	0.92	67.2	0.95	82.3	0.97	100.0	1.00	120.1	1.02	142.7	1.04	167.8	1.07	12
47.5	0.90	57.7	0.92	69.8	0.95	82.9	0.97	97.9	0.99	115.5	1.01	135.5	1.03	158.1	1.05	183.1	1.07	13
36.1	0.86	46.5	0.90	58.8	0.93	71.9	0.95	87.1	0.98	104.7	1.00	124.8	1.03	147.4	1.05	172.4	1.07	14
60.7	0.92	70.8	0.94	82.8	0.96	95.8	0.98	110.9	1.00	128.4	1.02	148.4	1.04	170.9	1.06	195.9	1.08	15
8V1400		**8V1600**		**8V1800**		**8V2000**		**8V2240**		**8V2500**		**8V2800**		**8V3150**		**8V3550**		
34.2	0.85	44.4	0.89	54.5	0.91	64.6	0.93	76.6	0.96	89.7	0.98	104.7	1.00	122.3	1.02	142.3	1.04	16
—	—	31.6	0.84	42.0	0.88	52.3	0.91	64.4	0.94	77.6	0.96	92.7	0.98	110.3	1.01	130.3	1.03	17
27.6	0.82	38.0	0.86	48.2	0.90	58.4	0.92	70.5	0.95	83.6	0.97	98.7	0.99	116.2	1.01	136.3	1.03	18
—	—	32.3	0.84	42.7	0.88	53.0	0.91	65.2	0.94	78.3	0.96	93.4	0.98	111.0	1.01	131.1	1.03	19
34.9	0.85	45.1	0.88	55.2	0.91	65.3	0.93	77.4	0.95	90.4	0.98	105.5	1.00	123.0	1.02	143.1	1.04	20
8V1800		**8V2000**		**8V2240**		**8V2500**		**8V2800**		**8V3150**		**8V3550**		**8V4000**		**8V4500**		
—	—	43.2	0.88	55.6	0.91	68.9	0.94	84.1	0.97	101.7	1.00	121.9	1.02	144.5	1.04	169.6	1.06	21
48.9	0.89	59.1	0.92	71.2	0.94	84.3	0.97	99.4	0.99	117.0	1.01	137.0	1.03	159.6	1.05	184.6	1.07	22
43.4	0.88	53.7	0.91	65.9	0.93	79.0	0.96	94.1	0.98	111.7	1.00	131.8	1.03	154.4	1.05	179.4	1.07	23
37.7	0.85	48.1	0.89	60.4	0.92	73.7	0.95	88.8	0.97	106.5	1.00	126.6	1.02	149.2	1.04	174.3	1.07	24
—	—	44.0	0.87	56.4	0.91	69.7	0.94	84.9	0.97	102.6	0.99	122.8	1.02	145.4	1.04	170.5	1.06	25
8V1800		**8V2000**		**8V2240**		**8V2500**		**8V2800**		**8V3150**		**8V3550**		**8V4000**		**8V4500**		
55.8	0.91	65.9	0.93	77.9	0.95	91.0	0.97	106.1	0.99	123.6	1.02	143.7	1.04	166.2	1.06	191.2	1.07	26
38.4	0.85	48.8	0.89	61.1	0.92	74.4	0.95	89.6	0.97	107.2	1.00	127.3	1.02	149.9	1.04	175.0	1.06	27
49.6	0.89	59.8	0.92	71.9	0.94	85.1	0.96	100.1	0.99	117.7	1.01	137.8	1.03	160.3	1.05	185.4	1.07	28
—	—	44.7	0.87	57.2	0.91	70.5	0.94	85.8	0.97	103.5	0.99	123.6	1.02	146.3	1.04	171.4	1.06	29
56.3	0.91	66.4	0.93	78.5	0.95	91.5	0.97	106.6	0.99	124.1	1.01	144.2	1.03	166.7	1.05	191.8	1.07	30
8V1800		**8V2000**		**8V2240**		**8V2500**		**8V2800**		**8V3150**		**8V3550**		**8V4000**		**8V4500**		
44.7	0.87	55.0	0.90	67.3	0.93	80.5	0.96	95.6	0.98	113.2	1.00	133.3	1.02	155.9	1.05	181.0	1.07	31
—	—	38.8	0.84	51.6	0.89	65.1	0.92	80.5	0.95	98.3	0.98	118.5	1.01	141.2	1.03	166.3	1.06	32
34.7	0.82	45.4	0.87	57.9	0.91	71.2	0.94	86.5	0.96	104.2	0.99	124.4	1.02	147.0	1.04	172.1	1.06	33
50.3	0.89	60.5	0.91	72.7	0.94	85.8	0.96	100.9	0.99	118.5	1.01	138.5	1.03	161.1	1.05	186.1	1.07	34
—	—	—	—	—	—	53.0	0.88	68.7	0.93	86.8	0.96	107.2	0.99	130.0	1.02	155.2	1.05	35
8V1800		**8V2000**		**8V2240**		**8V2500**		**8V2800**		**8V3150**		**8V3550**		**8V4000**		**8V4500**		
—	—	—	—	—	—	51.9	0.88	67.8	0.92	85.9	0.96	106.3	0.99	129.1	1.02	154.4	1.04	36
—	—	—	—	45.8	0.86	59.5	0.91	75.1	0.94	93.0	0.97	113.3	1.00	136.0	1.03	161.2	1.05	37
39.7	0.85	50.2	0.88	62.5	0.92	75.8	0.94	91.0	0.97	108.7	1.00	128.8	1.02	151.4	1.04	176.5	1.06	38
—	—	39.6	0.84	52.4	0.89	65.9	0.92	81.3	0.95	99.1	0.98	119.4	1.01	142.1	1.03	167.2	1.06	39
45.4	0.87	55.7	0.90	68.0	0.93	81.2	0.95	96.3	0.98	114.0	1.00	134.1	1.02	156.6	1.05	181.7	1.07	40
8V1800		**8V2000**		**8V2240**		**8V2500**		**8V2800**		**8V3150**		**8V3550**		**8V4000**		**8V4500**		
35.3	0.82	46.1	0.87	58.6	0.90	71.9	0.94	87.2	0.96	104.9	0.99	125.1	1.01	147.7	1.04	172.9	1.06	41
50.9	0.89	61.1	0.91	73.2	0.94	86.4	0.96	101.5	0.98	119.1	1.01	139.1	1.03	161.7	1.05	186.8	1.07	42
—	—	—	—	46.5	0.86	60.3	0.90	75.9	0.94	93.8	0.97	114.2	1.00	136.9	1.03	162.1	1.05	43
40.3	0.84	50.8	0.88	63.2	0.91	76.5	0.94	91.7	0.97	109.4	0.99	129.5	1.02	152.2	1.04	177.2	1.06	44
36.0	0.82	46.7	0.87	59.3	0.90	72.6	0.93	87.9	0.96	105.7	0.99	125.8	1.01	148.5	1.04	173.6	1.06	45
8V1800		**8V2000**		**8V2240**		**8V2500**		**8V2800**		**8V3150**		**8V3550**		**8V4000**		**8V4500**		
51.3	0.89	61.6	0.91	73.7	0.94	86.9	0.96	102.0	0.98	119.6	1.01	139.7	1.03	162.2	1.05	187.3	1.07	46
—	—	—	—	—	—	53.5	0.88	69.4	0.92	87.5	0.96	108.0	0.99	130.8	1.02	156.1	1.04	47
46.1	0.87	56.4	0.90	68.7	0.93	81.9	0.95	97.1	0.98	114.7	1.00	134.8	1.02	157.4	1.04	182.5	1.07	48
—	—	40.9	0.83	53.7	0.88	67.3	0.92	82.7	0.95	100.6	0.98	120.8	1.01	143.5	1.03	168.7	1.05	49
41.0	0.84	51.5	0.88	63.9	0.91	77.2	0.94	92.4	0.97	110.1	0.99	130.3	1.02	152.9	1.04	178.0	1.06	50
8V1800		**8V2000**		**8V2240**		**8V2500**		**8V2800**		**8V3150**		**8V3550**		**8V4000**		**8V4500**		
—	—	—	—	—	—	55.3	0.88	71.2	0.92	89.3	0.96	109.7	0.99	132.6	1.02	157.8	1.04	51
36.6	0.82	47.4	0.86	59.9	0.90	73.3	0.93	88.6	0.96	106.4	0.99	126.6	1.01	149.2	1.04	174.3	1.06	52
46.6	0.87	57.0	0.90	69.3	0.93	82.5	0.95	97.6	0.97	115.3	1.00	135.4	1.02	158.0	1.04	183.1	1.06	53
—	—	—	—	47.9	0.86	61.8	0.90	77.4	0.94	95.4	0.97	115.7	1.00	138.5	1.02	163.7	1.05	54
—	—	41.5	0.83	54.4	0.88	68.0	0.92	83.4	0.95	101.3	0.98	121.5	1.00	144.2	1.03	169.4	1.05	55
8V1800		**8V2000**		**8V2240**		**8V2500**		**8V2800**		**8V3150**		**8V3550**		**8V4000**		**8V4500**		
—	—	—	—	—	—	56.1	0.88	72.0	0.92	90.1	0.96	110.6	0.99	133.4	1.02	158.7	1.04	56
41.6	0.84	52.2	0.88	64.6	0.91	77.9	0.94	93.1	0.97	110.8	0.99	131.0	1.02	153.6	1.04	178.7	1.06	57
37.2	0.82	48.0	0.86	60.6	0.90	74.0	0.93	89.3	0.96	107.1	0.99	127.3	1.01	150.0	1.03	175.1	1.06	58
—	—	—	—	—	—	55.0	0.87	71.0	0.92	89.2	0.95	109.7	0.99	132.5	1.01	157.8	1.04	59
47.1	0.86	57.5	0.89	69.7	0.92	83.0	0.95	98.1	0.97	115.8	1.00	135.9	1.02	158.5	1.04	183.6	1.06	60
8V1800		**8V2000**		**8V2240**		**8V2500**		**8V2800**		**8V3150**		**8V3550**		**8V4000**		**8V4500**		
—	—	—	—	48.6	0.85	62.5	0.90	78.1	0.93	96.1	0.97	116.4	1.00	139.2	1.02	164.4	1.05	61
—	—	42.1	0.84	55.0	0.88	68.7	0.92	84.1	0.95	102.0	0.98	122.2	1.00	145.0	1.03	170.1	1.05	62
—	—	—	—	42.3	0.81	56.7	0.88	72.6	0.92	90.8	0.96	111.3	0.99	134.1	1.02	159.4	1.04	63
—	—	—	—	—	—	55.6	0.87	71.6	0.92	89.8	0.95	110.4	0.98	133.3	1.01	158.6	1.04	64
42.1	0.84	52.7	0.88	65.1	0.91	78.5	0.94	93.7	0.96	111.4	0.99	131.6	1.01	154.2	1.04	179.3	1.06	65
8V1800		**8V2000**		**8V2240**		**8V2500**		**8V2800**		**8V3150**		**8V3550**		**8V4000**		**8V4500**		
—	—	—	—	49.2	0.85	63.1	0.90	78.8	0.93	96.8	0.97	117.1	0.99	139.9	1.02	165.2	1.05	66
37.9	0.82	48.7	0.86	61.3	0.90	74.7	0.93	90.0	0.96	107.8	0.98	128.0	1.01	150.7	1.03	175.8	1.06	67
—	—	—	—	42.9	0.81	57.3	0.87	73.3	0.92	91.5	0.95	112.0	0.99	134.9	1.01	160.1	1.04	68
—	—	42.7	0.84	55.7	0.88	69.3	0.91	84.8	0.95	102.7	0.97	123.0	1.00	145.7	1.03	170.9	1.05	69
—	—	—	—	—	—	56.3	0.87	72.3	0.91	90.5	0.95	111.1	0.98	134.0	1.01	159.3	1.04	70
8V1800		**8V2000**		**8V2240**		**8V2500**		**8V2800**		**8V3150**		**8V3550**		**8V4000**		**8V4500**		
42.6	0.84	53.2	0.88	65.6	0.91	78.9	0.94	94.2	0.96	111.9	0.99	132.1	1.01	154.7	1.04	179.9	1.06	71
—	—	—	—	49.8	0.85	63.8	0.90	79.5	0.93	97.5	0.96	117.9	0.99	140.7	1.02	165.9	1.05	72
38.4	0.82	49.2	0.86	61.8	0.90	75.3	0.93	90.6	0.96	108.4	0.98	128.6	1.01	151.3	1.03	176.4	1.06	73
—	—	—	—	43.5	0.81	58.0	0.87	73.9	0.92	92.1	0.95	112.7	0.98	135.6	1.01	160.9	1.04	74
—	—	—	—	42.3	0.80	56.9	0.87	73.0	0.91	91.2	0.95	111.8	0.98	134.7	1.01	160.0	1.04	75

For FIXED and VARIABLE Drives

Line No.	Ratio	No. of Grooves		Pitch Diameter		Type		Nominal Driven Speeds and Horsepower per Belt						Center Distance in Inches and "F" Factor for Browning Belts					
								1160 RPM Driver			870 RPM Driver			Belt No.		Belt No.		Belt No.	
		Min	Max	Driver	Driven	Fix.	Var.	Nominal Driven Speed	HP per Belt Super	HP per Belt Gripnotch	Nominal Driven Speed	HP per Belt Super	HP per Belt Gripnotch	C.D.	F	C.D.	F	C.D.	F
														8V1120		8V1400		8V1600	
1	3.82	4	16	13.8	52.8	X	—	303	58.96	—	227	48.10	—	—	—	—	—	—	—
2	3.88	4	16	12.3	47.8	X	—	298	49.06	—	224	39.86	—	—	—	—	—	—	—
3	3.90	4	16	14.8	57.8	X	—	297	65.26	—	223	53.45	—	—	—	61.6	0.81	—	—
4	3.97	8	8	15.8	62.8	X	—	292	71.30	—	219	58.67	—	—	—	—	—	—	—
5	4.03	4	16	15.8	63.8	X	—	287	71.30	—	215	58.67	—	—	—	—	—	—	—
														8V1120		8V1400		8V1600	
6	4.06	4	16	13.0	52.8	X	—	285	53.75	—	214	43.74	—	—	—	—	—	—	—
7	4.18	4	16	13.8	57.8	X	—	277	58.96	—	208	48.10	—	—	—	—	—	—	—
8	4.24	8	8	14.8	62.8	X	—	273	65.26	—	205	53.45	—	—	—	—	—	—	—
9	4.29	4	16	12.3	52.8	X	—	270	49.06	—	202	39.86	—	—	—	—	—	—	—
10	4.31	4	16	14.8	63.8	X	—	269	65.26	—	201	53.45	—	—	—	—	—	—	—
														8V1120		8V1400		8V1600	
11	4.44	4	16	13.0	57.8	X	—	261	53.75	—	195	43.74	—	—	—	—	—	—	—
12	4.55	8	8	13.8	62.8	X	—	254	58.96	—	191	48.10	—	—	—	—	—	—	—
13	4.62	4	16	13.8	63.8	X	—	251	58.96	—	188	48.10	—	—	—	—	—	—	—
14	4.69	4	16	12.3	57.8	X	—	247	49.06	—	185	39.86	—	—	—	—	—	—	—
15	4.83	8	8	13.0	62.8	X	—	240	53.75	—	180	43.74	—	—	—	—	—	—	—

An "x" in the "Type" column indicates that a drive is available in these diameters.

For FIXED and VARIABLE Drives

Nominal Center Distance (C.D.) in Inches and Arc–Length Factor (F) using Browning Belts																				Line No.
Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.				
C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F		
8V1800		8V2000		8V2240		8V2500		8V2800		8V3150		8V3550		8V4000		8V4500			
—	—	43.4	0.83	56.4	0.88	70.0	0.91	85.5	0.94	103.4	0.97	123.7	1.00	146.4	1.03	171.6	1.05		1
38.8	0.82	49.7	0.86	62.3	0.90	75.7	0.93	91.1	0.96	108.9	0.98	129.1	1.01	151.8	1.03	176.9	1.05		2
—	—	—	—	50.5	0.85	64.4	0.89	80.1	0.93	98.2	0.96	118.6	0.99	141.4	1.02	166.6	1.04		3
—	—	—	—	44.1	0.81	58.6	0.87	74.6	0.91	92.8	0.95	113.4	0.98	136.3	1.01	161.6	1.04		4
—	—	—	—	42.9	0.80	57.5	0.87	73.6	0.91	91.9	0.95	112.5	0.98	135.4	1.01	160.7	1.04		5
8V1800		8V2000		8V2240		8V2500		8V2800		8V3150		8V3550		8V4000		8V4500			
—	—	43.9	0.83	56.9	0.87	70.5	0.91	86.0	0.94	103.9	0.97	124.3	1.00	147.0	1.03	172.2	1.05		6
—	—	37.5	0.77	51.1	0.85	65.1	0.89	80.8	0.93	98.8	0.96	119.3	0.99	142.1	1.02	167.3	1.04		7
—	—	—	—	44.7	0.81	59.3	0.87	75.3	0.91	93.5	0.95	114.1	0.98	137.0	1.01	162.3	1.04		8
—	—	44.3	0.83	57.3	0.87	71.0	0.91	86.5	0.94	104.4	0.97	124.8	1.00	147.5	1.02	172.7	1.05		9
—	—	—	—	43.5	0.79	58.2	0.86	74.3	0.91	92.6	0.95	113.1	0.98	136.1	1.01	61.4	1.04		10
8V1800		8V2000		8V2240		8V2500		8V2800		8V3150		8V3550		8V4000		8V4500			
—	—	38.0	0.77	51.6	0.85	65.6	0.89	81.3	0.93	99.4	0.96	119.8	0.99	142.7	1.02	167.9	1.04		11
—	—	—	—	45.4	0.80	59.9	0.87	75.9	0.91	94.2	0.95	114.8	0.98	137.7	1.01	163.0	1.04		12
—	—	—	—	44.1	0.79	58.8	0.86	74.9	0.91	93.2	0.95	113.8	0.98	136.8	1.01	162.2	1.04		13
—	—	38.4	0.77	52.0	0.85	66.1	0.89	81.8	0.93	99.9	0.96	120.3	0.99	143.2	1.02	168.4	1.04		14
—	—	—	—	45.8	0.80	60.4	0.87	76.5	0.91	94.7	0.95	115.3	0.98	138.3	1.01	163.6	1.04		15

VARIABLE SPEED DRIVES

FOR CHANGING SPEEDS FREQUENTLY, RAPIDLY AND EFFICIENTLY

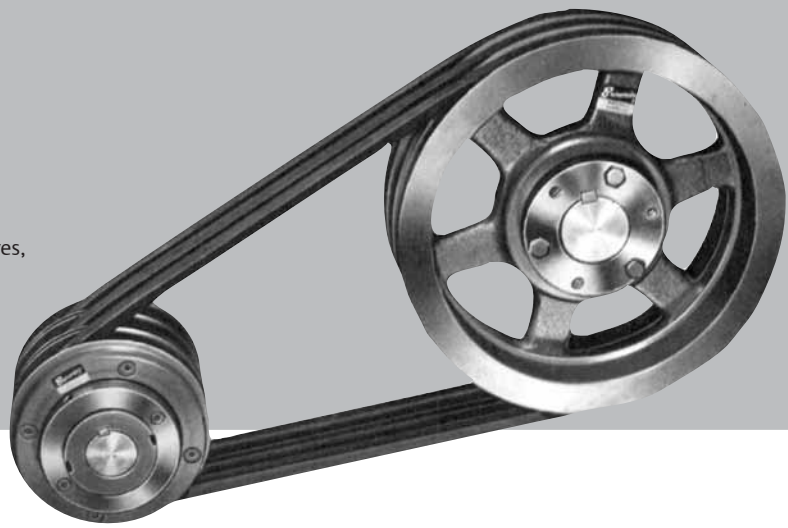
BROWNING offers one of the world's most complete selections of in-stock variable speed drives, including variable pitch sheaves through 750 HP.

Sheaves for BROWNING® variable speed drives are available in finished bore or bushing types, for use with Browning Split Taper® design or Q-D® bushings. Offered in Classical (A-B, C & D), "358" narrow groove, wide range and fractional horsepower types, MVP® sheaves are dynamically balanced to help provide smooth, vibration-free performance.

Select from:

- **VL and VM single groove sheaves,** pitch diameter range 1.6-4.7", for light duty applications up to 5HP.
- **VP single and double groove sheaves,** pitch diameter range 3.4 - 7.0", designed for heavier duty service up to 25 HP.
- **LVP double groove sheaves,** pitch diameter range 6.0 - 8.4", for heavier duty drives up to 30 HP
- **MVP® multiple groove sheaves** (up to 10 grooves available), pitch diameter range 3.4-17.2", for multiple belt drives up to 750 HP.

Choose also from a full range of fixed pitch and companion sheaves, V-belts, adjustable motor bases, motors and drives, to perform almost any power transmission service.



VL, VM, VP variable speed sheaves

LVP variable speed sheave

VORTEX™ DESIGN

MVP® variable speed sheave

MVP® companion sheave

VARIABLE SPEED SHEAVES

Belt Size	Type		No. of Grooves	Pitch Dia. Range	Bore Range
A-B	MVP®	Bushing Type	2-6	A-5.9 - 7.0" 7.9 - 9.0 B-6.0 - 7.4 8.0-9.4	3/4-2 5/8"
		Finished Bore	2 - 6	A-3.4 - 4.5 6.9 - 8.0 B-3.5 - 4.9 7.0 - 8.4	7/8 - 2 1/8
C	MVP®	Bushing Type	2 - 4	7.5 - 9.7 11.5 - 13.7	1-2 5/8
		Finished Bore	5-10	7.5 - 9.7 11.5 - 13.7	1 7/8 - 3 3/8
5V	MVP®	Finished Bore Narrow Groove	3-10*	8.1 - 9.5 11.1 - 12.5	1 7/8 - 3 3/8

*3-Groove is Bushing Type, Bore Range 1 - 2 5/8"

VARIABLE PITCH SHEAVES

Type			3L	4L or A	5L or B
Single Groove Cast Iron	Finished Bore 1/2" - 7/8"	VL	1.6 - 2.4" 1.8 - 2.7	1.9 - 2.9" 2.8 - 3.8	
		VM		1.9 - 2.9 3.4 - 4.4	2.4 - 3.2 " 3.7 - 4.7
	Finished Bore 1/2 - 1 1/8	1VP	1.4 - 2.2 5.1 - 5.9	1.9 - 2.9 5.7 - 6.7	2.4 - 3.2 5.8 - 7.0
Two Groove Cast Iron	Finished Bore 1/2 - 1 1/8	2VP	1.9 - 2.7 5.1 - 5.9	2.0 - 3.0 5.7 - 6.7	2.5 - 3.3 5.8 - 7.0

C

EXTENDED HP AND BORE RANGE

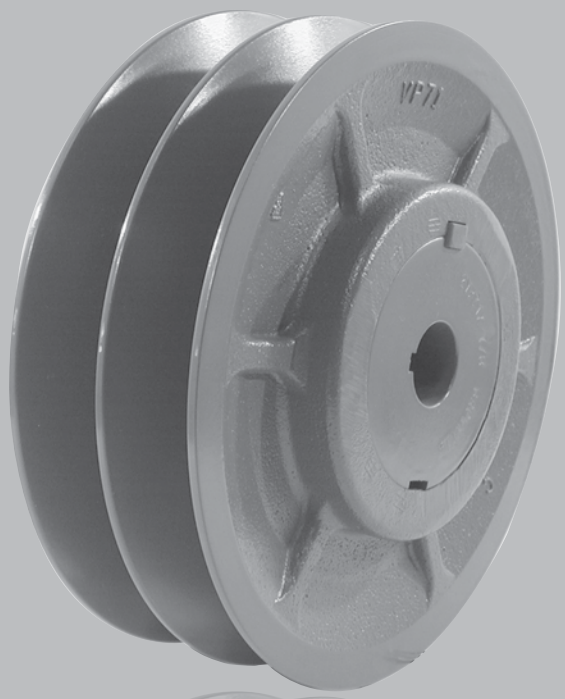
Belt Size	Type		No. of Grooves	Pitch Diameter Range	Bore Range
5V	2VP	Finished Bore	2	5.8 - 7.0 6.2 - 7.4	1 5/8 "
				5.8 - 7.4 6.2 - 7.4	
B-5V	2V	Finished Bore	2	5B-5.8-7.0 6.8-8.0	1 5/8
				5V-6.2-7.4 7.2-8.4	1 7/8

COMPANION SHEAVES

Belt Size	Type		No. of Grooves	Pitch Diameter Range	Bore Range
A-B	MVP®	Bushing Type	3 - 6	A - 4.6 - 37.5 B - 5.0 - 38.0	1/2 - 3 3/4"
C	MVP®	Bushing Type	3 - 10	8.0 - 50.0	1 - 7 7/16
5V	MVP®	Narrow Groove Bushing Type	3 - 10	7.9 - 49.9	1 1/8 - 5

VP

The principle of a variable pitch sheave is that the threaded angular faced discs forming the V-shaped groove in which the belt rides are movable. VP sheaves consist of a male with a threaded barrel, and a female with a threaded bore. The male section with threaded barrel has flat surfaces at 180 degree increments that allow a flat surface for the setscrew to mate with. When the discs are moved toward each other, the belt rides higher in the groove and the pitch diameter of the sheave is larger which increases the driven speed. When the discs are moved away from each other, the belt rides lower and the pitch diameter is smaller decreasing the driven speed. The common term for this speed adjustment is called "Number Of Turns Open From Closed Position"



MVP® Sheaves

MVP® sheaves are a series of angular faced center flanges which are bolted to the fixed flange mounted on the barrel and another series of angular faced flanges which are bolted to the end flange and threaded locking collar. When the threaded locking collar is turned clockwise, it moves the angular flanges closer together increasing the pitch diameter. When the collar is moved counterclockwise, the flanges are moved apart, decreasing the pitch diameter. The pitch diameter is infinite (meaning you can turn the adjustment collar and stop at any time regardless of location) between the minimum and the maximum setting. When the desired diameter is obtained, the locking collar is locked by tightening screws. In contrast VL, VP, and VM sheaves are limited by "half- turn" or 180 degree adjustment points.

Table No. 1

1 and 2 Groove " A - B " Variable Pitch Sheaves

Datum Diameter		1 Groove		2 Groove				
		Finished Bore	Finished Bore	Finished Bore	Finished Bore	Bushed	Finished Bore	Bushed
" A " Belts	" B " Belts	Page C - 8	Page C - 6	Page C - 7	Page C - 9	Page C - 9	Page C - 10	Page C - 11
1.9" - 2.9"	2.4" - 3.2"	1VL34	1VP34	—	—	—	—	—
2.0 - 3.0	2.5 - 3.3	—	—	2VP36	—	—	—	—
2.4 - 3.4	2.7 - 3.7	1VL40	1VP40	—	—	—	—	—
2.6 - 3.6	2.9 - 3.9	—	—	2VP42	—	—	—	—
2.8 - 3.8	3.1 - 4.1	1VL44	1VP44	—	—	—	—	—
3.4 - 4.4	3.7 - 4.7	1VM50	1VP50	2VP50		—	—	—
3.4 - 4.5	3.5 - 4.9	—	—	—	—	—	2MVP35B49	—
3.9 - 5.0	4.0 - 5.4	—	—	—	—	—	2MVP40B54	—
4.0 - 5.0	4.3 - 5.3	—	1VP56	2VP56		—	—	—
4.2 5.2	4.3 - 5.5	—	1VP60	2VP60		—	—	—
4.4 - 5.5	4.5 - 5.9	—	—	—	—	—	2MVP45B59	—
4.6 - 5.6	4.9 - 5.9	—	1VP62	2VP62		—	—	—
4.7 - 5.7	4.8 - 6.0	—	1VP65	2VP65		—	—	—
4.9 - 6.0	5.0 - 6.4	—	—	—	—	—	2MVP50B64	—
5.2 - 6.2	5.5 - 6.5	—	1VP68	2VP68		—	—	—
5.3 - 6.3	5.4 - 6.6	—	1VP71	2VP71		—	—	—
5.4 6.5	5.5 - 6.9	—	—	—	—	—	2MVP55B69	—
5.7 - 6.7	5.8 - 7.0	—	1VP75	2VP75	2V58B70 x 1 7/8	2VP58B70P	—	—
5.9 - 7.0	6.0 - 7.4	—	—	—	—	—	—	2MVP60B74P
6.7 - 7.7	6.8 - 8.0	—	—	—	2V68B80 x 1 7/8	2V68B80P	—	—
6.9 - 8.0	7.0 - 8.4	—	—	—	—	—	—	2MVP70B84P
7.9 - 9.0	8.0 - 9.4	—	—	—	—	—	—	2MVP80B94Q

Table No. 2

3 to 6 Grooves " A - B " Variable Pitch Sheaves

Datum Diameter		3 Grooves		4 Grooves		5 Grooves		6 Grooves	
		Finished Bore	Bushed	Finished Bore	Bushed	Finished Bore	Bushed	Finished Bore	Bushed
" A " Belts	" B " Belts	Page C - 10	Page C - 11	Page C - 10	Page C - 11	Page C - 10	Page C - 11	Page C - 10	Page C - 11
3.4" - 4.5"	3.5" - 4.9"	3MVP35B49	—	4MVP35B49	—	5MVP35B49	—	—	—
3.9 - 5.0	4.0 - 5.4	3MVP40B54	—	4MVP40B54	—	5MVP40B54	—	6MVP40B54	—
4.4 - 5.5	4.5 - 5.9	3MVP45B59	—	4MVP45B59	—	5MVP45B59	—	6MVP45B59	—
4.9 - 5.5	5.0 - 6.4	3MVP50B64	—	4MVP50B64	—	5MVP50B64	—	6MVP50B64	—
5.4 - 6.5	5.5 - 6.9	3MVP55B69	—	4MVP55B69	—	5MVP55B69	—	6MVP55B69	—
5.9 - 7.0	6.0 - 7.4	3MVP60B74	3MVP60B74P	4MVP60B74	4MVP60B74P	5MVP60B74	5MVP60B74P	6MVP60B74	6MVP60B74P
6.9 - 8.0	7.0 - 8.4	3MVP70B84	3MVP70B84P	4MVP70B84	4MVP70B84P	5MVP70B84	5MVP70B84P	6MVP70B84	6MVP70B84P
7.9 - 9.0	8.0 - 9.4	—	3MVP80B94Q	—	4MVP80B94Q	—	5MVP80B94Q	—	6MVP80B94Q

Table No. 3

2 to 10 Grooves " C " Variable Pitch Sheaves

Datum Diameter " C "	2 Grooves		3 Grooves	4 Grooves	5 Grooves	6 Grooves	7 Grooves	8 Grooves	10 Grooves
	Bushed	Bushed	Bushed	Bushed	Finished Bore	Finished Bore	Finished Bore	Finished Bore	Finished Bore
Belts	Page C - 14	Page C - 14	Page C - 14	Page C - 14	Page C - 15	Page C - 15	Page C - 15	Page C - 15	Page C - 15
7.2" - 9.0"	2V72C90Q	-	-	-	-	-	-	-	-
7.5 - 9.7	-	2MVP75C97Q	3MVP75C97Q	4MVP75C97Q	5MVP75C97	6MVP75C97	7MVP75C97	8MVP75C97	10MVP75C97
8.0 - 10.2	-	-	3MVP80C102Q	-	-	-	-	-	-
8.2 - 10.0	2V82C100Q	-	-	-	-	-	-	-	-
8.5 - 10.7	-	2MVP85C107Q	3MVP85C107Q	4MVP85C107Q	5MVP85C107	6MVP85C107	7MVP85C107	8MVP85C107	10MVP85C107
9.0 - 11.2	-	-	3MVP90C112Q	-	-	-	-	-	-
9.2 - 11.0	2V92C110Q	-	-	-	-	-	-	-	-
9.5 - 11.7	-	2MVP95C117Q	3MVP95C117Q	4MVP95C117Q	5MVP95C117	6MVP95C117	7MVP95C117	8MVP95C117	10MVP95C117
10.5 - 12.7	-	2MVP105C127Q	3MVP105C127Q	4MVP105C127Q	5MVP10C127	6MVP105C127	7MVP105C127	8MVP105C127	10MVP105C127
11.5 - 13.7	-	2MVP115C137Q	3MVP115C137Q	4MVP115C137Q	5MVP11C137	6MVP115C137	7MVP115C137	8MVP115C137	10MVP115C137

Table No. 4

1 to 10 Groove "5V" Variable Pitch Sheaves

Pitch Diameter "5V" Belts	1 Groove Fin. Bore	2 Grooves Fin. Bore & Bush	3 Grooves Bushed	4 Grooves Finished Bore	5 Grooves Finished Bore	6 Grooves Finished Bore	8 Grooves Finished Bore	10 Grooves Finished Bore
	Page C-6	Page C-7 & C-9	Page C - 19	Page C - 19	Page C - 19	Page C - 19	Page C - 19	Page C - 19
4.7" - 5.9"	1VP60, 1VP62	2VP60, 2VP62	—	—	—	—	—	—
	—	—	—	—	—	—	—	—
5.2 - 6.4	1VP65, 1VP68	2VP65 , 2VP68	—	—	—	—	—	—
	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—
5.8 - 7.0	1VP71	2VP71	—	—	—	—	—	—
	—	—	—	—	—	—	—	—
6.2 - 7.4	1VP75	2VP75	—	—	—	—	—	—
	—	—	—	—	—	—	—	—
	—	2V58B70 X 1 7/8	—	—	—	—	—	—
7.2 - 8.4	—	2V58B70P	—	—	—	—	—	—
	—	2V68B80 X 1 7/8	—	—	—	—	—	—
	—	2V68B80P	—	—	—	—	—	—
8.1 - 9.5	—	—	3MVP815V95Q	4MVP815V95	5MVP815V95	6MVP815V95	8MVP815V95	10MVP815V95
9.1 - 10.5	—	—	3MVP915V105Q	4MVP915V105	5MVP915V105	6MVP915V105	8MVP915V105	10MVP915V105
10.1 - 11.5	—	—	3MVP1015V115Q	4MVP1015V115	5MVP1015V115	6MVP1015V115	8MVP1015V115	10MVP1015V115
11.1 - 12.5	—	—	3MVP1115V125Q	4MVP1115V125	5MVP1115V125	6MVP1115V125	8MVP1115V125	10MVP1115V125

C

Table No. 1

" A - B" Companion Sheaves

Datum Diameter		3 Grooves	4 Grooves	5 Grooves	6 Grooves
" A "	" B "	Page C - 12	Page C - 12	Page C - 13	Page C - 13
4.6"	5.0"	3MVB50P(P1)	4MVB50Q(Q2)	5MVB50Q(Q2)	—
5.0	5.4	3MVB54P(P1)	4MVB54Q(Q2)	5MVB54Q(Q2)	6MVB54Q(Q2)
5.6	6.0	3MVB60P(P1)	4MVB60Q(Q2)	5MVB60Q(Q2)	6MVB60Q(Q2)
6.0	6.4	3MVB64P(P1)	4MVB64Q(Q2)	5MVB64Q(Q2)	—
6.6	7.0	3MVB70Q(Q1)	4MVB70Q(Q2)	5MVB70R(R2)	6MVB70R(Q2)
7.0	7.4	3MVB74Q(Q1)	4MVB74Q(Q2)	5MVB74R(R2)	—
7.6	8.0	3MVB80Q(Q1)	4MVB80Q(Q2)	5MVB80R(R2)	—
8.2	8.6	3MVB86Q(Q1)	4MVB86Q(Q2)	5MVB86R(R2)	—
8.6	9.0	3MVB90Q(Q1)	4MVB90Q(Q2)	5MVB90R(R2)	—
9.0	9.4	3MVB94Q(Q1)	4MVB94Q(Q2)	5MVB94RR2)	6MVB94R(Q2)
10.6	11.0	3MVB110Q(Q1)	4MVB110R(R1)	5MVB110R(R2)	6MVB110R(R2)
12.0	12.4	3MVB124Q(Q1)	4MVB124R(R1)	5MVB124R(R2)	6MVB124R(R2)
13.2	13.6	3MVB136Q(Q1)	4MVB136R(R1)	5MVB136R(R2)	6MVB136R(R2)
15.0	15.4	3MVB154Q(Q1)	4MVB154R(R1)	5MVB154R(R2)	6MVB154R(R2)
15.0	15.4	3MVB154R(R1)	—	—	—
18.0	18.4	3MVB184Q(Q1)	4MVB184R(R1)	5MVB184R(R2)	6MVB184R(R2)
18.0	18.4	3MVB184R(R1)	—	—	—
19.5	20.0	3MVB200R(R1)	4MVB200R(R1)	5MVB200R(R2)	6MVB200R(R2)
24.5	25.0	3MVB250R(R1)	4MVB250R(R1)	5MVB250R(R2)	6MVB250R(R2)
29.5	30.0	3MVB300R(R1)	4MVB300R(R1)	5MVB300R(R2)	6MVB300R(R2)
37.5	38.0	3MVB380R(R1)	4MVB380R(R1)	5MVB380R(R2)	6MVB380R(R2)

Table No. 2

" C " Companion Sheaves

Datum Diameter " C "	3 Grooves	4 Grooves	5 Grooves	6 Grooves
	Page C - 16	Page C - 16	Page C - 17	Page C - 17
8.0"	3MVC80Q(Q2)	4MVC80Q(Q2)	5MVC80R(R2)	6MVC80R(R2)
8.6	3MVC86Q(Q2)	4MVC86Q(Q2)	5MVC86R(R2)	—
9.0	3MVC90Q(Q2)	4MVC90Q(Q2)	5MVC90R(R2)	—
9.6	3MVC96Q(Q2)	4MVC96Q(Q2)	5MVC96R(R2)	—
10.0	3MVC100Q(Q2)	4MVC100Q(Q2)	5MVC100R(R2)	—
10.6	3MVC106Q(Q2)	4MVC106Q(Q2)	5MVC160R(R2)	6MVC106R(R2)
11.0	3MVC110Q(Q2)	4MVC110Q(Q2)	5MVC110R(R2)	6MVC110R(R2)
12.0	3MVC120Q(Q2)	4MVC120R(R2)	5MVC120R(R2)	6MVC120R(R2)
13.0	3MVC130R(Q2)	4MVC130R(R2)	5MVC130R(R2)	—
14.0	3MVC140R(R1)	4MVC140Q(R2)	5MVC140R(R2)	6MVC140R(R2)
16.0	3MVC160R(R1)	4MVC160R(R2)	5MVC160R(R2)	6MVC160R(R2)
18.0	3MVC180R(R1)	4MVC180R(R2)	5MVC180S(S2)	6MVC180S(S2)
20.0	3MVC200R(R1)	4MVC200R(R2)	5MVC200S(S2)	6MVC200S(S2)
24.0	3MVC240R(R1)	4MVC240R(R2)	5MVC240S(S2)	6MVC240S(S2)
27.0	3MVC270R(R2)	4MVC270R(R2)	5MVC270S(S2)	—
30.0	3MVC300R(R2)	4MVC300R(R2)	5MVC300S(S2)	—
36.0	3MVC360R(R2)	4MVC360R(R2)	5MVC360S(S2)	6MVC360S(S2)
44.0	3MVC440U(U0)	—	5MVC440U(U0)	—
50.0	3MVC500U(U0)	4MVC500U(U0)	5MVC500U(U0)	—

Bushing Bores

Table No. 3

Bushing	Bore Range
P1	1/2 - 1 3/4"
Q1	3/4 - 2 11/16
Q2	1 - 2 5/8
R1	1 1/8 - 3 3/4
R2	1 3/8 - 3 5/8
S1	1 11/16 - 4 1/4
S2	1 7/8 - 4 3/16
U0	2 3/8 - 5 1/2
U1	2 3/8 - 5 1/2

Table No. 4

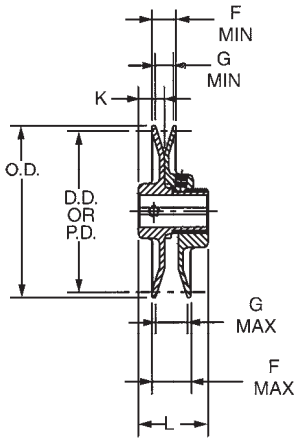
" 5V " Companion Sheaves

Pitch Dia. "5V"	3 Grooves	4 Grooves	5 Grooves	6 Grooves	8 Grooves	10 Grooves
	Page C - 20	Page C - 20	Page C - 21	Page C - 21	Page C - 22	Page C - 22
7.9"	3MV5V80R(R1)	4MV5V80R(R1)	5MV5V80R(R2)	6MV5V80R(R2)	—	—
8.4	3MV5V85R(R1)	4MV5V85R(R1)	5MV5V85R(R2)	6MV5V85R(R2)	—	—
8.9	3MV5V90R(R1)	4MV5V90R(R1)	5MV5V90R(R2)	6MV5V90R(R2)	8MV5V90S(S2)	10MV5V90S(S2)
9.15	3MV5V92R(R1)	4MV5V92R(R1)	5MV5V92R(R2)	6MV5V92R(R2)	8MV5V92S(S2)	10MV5V92S(S2)
9.65	3MV5V97R(R1)	4MV5V97R(R1)	5MV5V97R(R2)	6MV5V97R(R2)	8MV5V97S(S2)	10MV5V97S(S2)
10.2	3MV5V103R(R1)	4MV5V103R(R1)	5MV5V103R(R2)	6MV5V103R(R2)	8MV5V103S(S2)	10MV5V103S(S2)
10.8	3MV5V109R(R1)	4MV5V109R(R1)	5MV5V109R(R2)	6MV5V109R(R2)	8MV5V109S(S2)	10MV5V109S(S2)
11.7	3MV5V118R(R1)	4MV5V118R(R1)	5MV5V118S(S1)	6MV5V118S(S1)	8MV5V118S(S2)	10MV5V118S(S2)
12.4	3MV5V125R(R1)	4MV5V125R(R1)	5MV5V125S(S1)	6MV5V125S(S1)	8MV5V125S(S2)	10MV5V125U(U1)
13.1	3MV5V132R(R1)	4MV5V132R(R1)	5MV5V132S(S1)	6MV5V132S(S1)	8MV5V132S(S2)	10MV5V132U(U1)
13.9	3MV5V140R(R1)	4MV5V140R(R1)	5MV5V140S(S1)	6MV5V140S(S1)	8MV5V140S(S2)	10MV5V140U(U1)
14.9	3MV5V150R(R1)	4MV5V150R(R1)	5MV5V150S(S1)	6MV5V150S(S1)	8MV5V150S(S2)	10MV5V150U(U1)
15.9	3MV5V160R(R1)	4MV5V160R(R1)	5MV5V160S(S1)	6MV5V160S(S1)	8MV5V160S(S2)	10MV5V160U(U1)
17.9	3MV5V180R(R1)	4MV5V180R(R1)	5MV5V180S(S1)	6MV5V180S(S2)	8MV5V180S(S2)	10MV5V180U(U1)
19.9	3MV5V200R(R1)	4MV5V200R(R1)	5MV5V200S(S1)	6MV5V200S(S2)	8MV5V200U(U0)	10MV5V200U(U1)
21.1	3MV5V212S(S1)	4MV5V212S(S1)	5MV5V212U(U0)	6MV5V212U(U0)	8MV5V212U(U1)	10MV5V212U(U1)
23.9	3MV5V240S(S1)	4MV5V240S(S1)	5MV5V240U(U0)	6MV5V240U(U0)	8MV5V240U(U1)	10MV5V240U(U1)
27.9	3MV5V280S(S1)	4MV5V280S(S1)	5MV5V280U(U0)	6MV5V280U(U0)	8MV5V280U(U1)	10MV5V280U(U1)
29.9	3MV5V300S(S1)	4MV5V300S(S1)	5MV5V300U(U0)	6MV5V300U(U0)	8MV5V300U(U1)	10MV5V300U(U1)
37.4	3MV5V375U(U0)	4MV5V375S(S1)	5MV5V375U(U0)	6MV5V375U(U1)	8MV5V375U(U1)	10MV5V375U(U1)
43.9	3MV5V440U(U0)	4MV5V440U(U0)	5MV5V440U(U0)	6MV5V440U(U1)	8MV5V440U(U1)	10MV5V440U(U1)
49.9	3MV5V500U(U0)	4MV5V500U(U0)	5MV5V500U(U0)	6MV5V500U(U1)	8MV5V500U(U1)	10MV5V500U(U1)

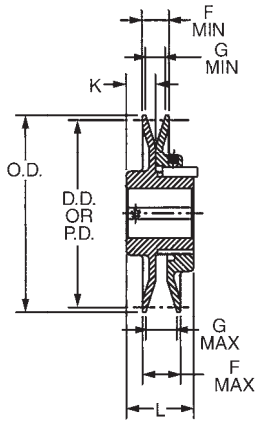
Bushing Number is shown in parenthesis after Sheave Part Number

Single Groove Variable Pitch Sheaves for "3L", "4L","5L" ,"A", "B" and "5V" Belts

VORTEX™ DESIGN



Type 1



Type 2

C

Dimensions (Inches)

Part No.	Type	DIMENSIONS (Inches)							
		O.D.	F		G		L	K	Wt. Lbs.
			Max.	Min.	Max.	Min.			
1VP25	1	2.50	25/32	17/32	5/8	3/8	1 11/16	49/64	.8
1VP30	1	2.87	25/32	17/32	5/8	3/8	1 11/16	49/64	.9
1VP34	1	3.15	1	21/32	13/16	1/2	1 7/8	49/64	1.2
1VP40	1	3.75	1 1/32	21/32	7/8	1/2	1 7/8	49/64	1.7
1VP44	1	4.15	1 1/32	21/32	7/8	1/2	1 7/8	49/64	1.9
1VP44	2	4.15	1 1/8	3/4	7/8	1/2	2 5/32	29/32	2.6
1VP50	1	4.75	1 1/16	11/16	7/8	1/2	1 15/16	29/32	1.9
1VP50	2	4.75	1 1/8	3/4	7/8	1/2	2 5/32	29/32	2.9
1VP56	1	5.35	1 1/16	11/16	7/8	1/2	1 15/16	29/32	2.7
1VP56	2	5.35	1 1/8	3/4	7/8	1/2	2 5/32	29/32	3.4
1VP60	2	6.00	1 1/4	7/8	1 1/32	21/32	2 7/32	31/32	5.5
1VP62	2	5.95	1 1/4	7/8	1 1/32	21/32	2 7/32	31/32	5.7
1VP65	2	6.50	1 1/4	7/8	1 1/32	21/32	2 7/32	31/32	5.8
1VP68	2	6.55	1 1/4	7/8	1 1/32	21/32	2 7/32	31/32	6.4
1VP71	2	7.10	1 1/4	7/8	1 1/32	21/32	2 7/32	31/32	6.8
1VP75	2	7.50	1 1/4	7/8	1 1/32	21/32	2 7/32	31/32	7.3

Stock Sizes - Finished Bore (Inches)

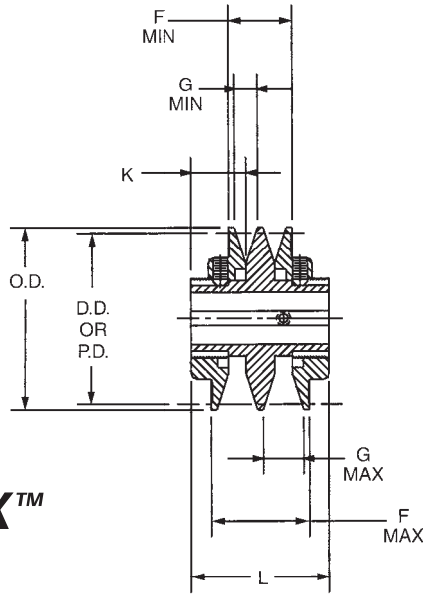
Part No.	Type	DIAMETER RANGE																Stock Bores Marked "x"								
		"3L" BELTS				"4L" or "A" BELTS				"5L" or "B" BELTS				"5V" BELTS												
		Min. Pitch	Turns Open	Max. Pitch	Turns Open	Min. Datum	Turns Open	Max. Datum	Turns Open	Min. Datum	Turns Open	Max. Datum	Turns Open	Min. Pitch	Turns Open	Max. Pitch	Turns Open	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 5/8
1VP25	1	1.6	4	2.4	0	-	-	-	-	-	-	-	-	-	-	-	-	x	-	-	-	-	-	-	-	-
1VP30	1	1.8	4	2.7	0	-	-	-	-	-	-	-	-	-	-	-	-	x	x	x	-	-	-	-	-	-
1VP34	1	1.7	4	2.5	0	1.9	5	2.9	0	2.4	5	3.2	1	-	-	-	-	x	x	x	x	-	-	-	-	-
1VP40	1	2.3	4	3.1	0	2.4	5	3.4	0	2.7	6	3.7	1	-	-	-	-	x	x	x	x	-	-	-	-	-
1VP44	1	2.7	4	3.5	0	2.8	5	3.8	0	3.1	6	4.1	1	-	-	-	-	x	x	x	x	-	-	-	-	-
1VP44	2	2.7	4	3.5	0	2.8	5	3.8	0	3.1	6	4.1	1	-	-	-	-	-	-	-	x	x	x	-	-	-
1VP50	1	3.3	4	4.1	0	3.4	5	4.4	0	3.7	6	4.7	1	-	-	-	-	x	x	x	-	-	-	-	-	-
1VP50	2	3.3	4	4.1	0	3.4	5	4.4	0	3.7	6	4.7	1	-	-	-	-	-	-	-	x	x	x	-	-	-
1VP56	1	3.9	4	4.7	0	4.0	5	5.0	0	4.3	6	5.3	1	-	-	-	-	x	x	x	-	-	-	-	-	-
1VP56	2	3.9	4	4.7	0	4.0	5	5.0	0	4.3	6	5.3	1	-	-	-	-	-	-	-	x	x	x	-	-	-
1VP60	2	-	-	-	-	4.2	5	5.2	0	4.3	6	5.5	0	4.7	6	5.9	0	-	-	x	x	-	x	-	x	x
1VP62	2	-	-	-	-	4.2	5	5.2	0	4.3	6	5.5	0	4.7	6	5.9	0	-	x	x	x	x	x	x	x	-
1VP65	2	-	-	-	-	4.7	5	5.7	0	4.8	6	6.0	0	5.2	6	6.4	0	-	-	x	x	-	x	-	x	x
1VP68	2	-	-	-	-	4.7	5	5.7	0	4.8	6	6.0	0	5.2	6	6.4	0	-	x	x	x	x	x	x	x	-
1VP71	2	-	-	-	-	5.3	5	6.3	0	5.4	6	6.6	0	5.8	6	7.0	0	-	-	x	x	-	x	-	x	x
1VP75	2	-	-	-	-	5.7	5	6.7	0	5.8	6	7.0	0	6.2	6	7.4	0	-	-	x	x	-	x	-	x	x

All fitted with Hollow Head Setscrews.

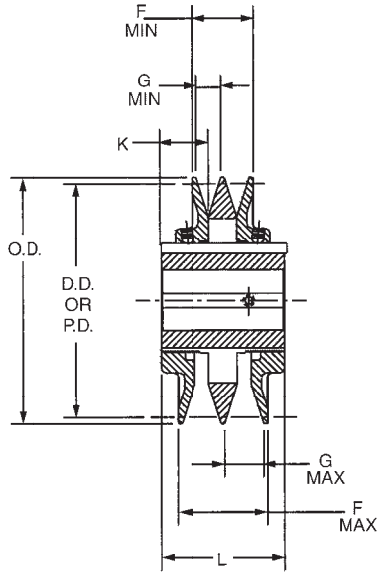
Any standard Browning Sheave can be used as a Companion Sheave.

Two Groove Variable Pitch Sheaves for “3L”, “4L”,”5L” ,“A”, “B” and “5V” Belts

VORTEX™ DESIGN



Type 4



Type 5

Dimensions (Inches)

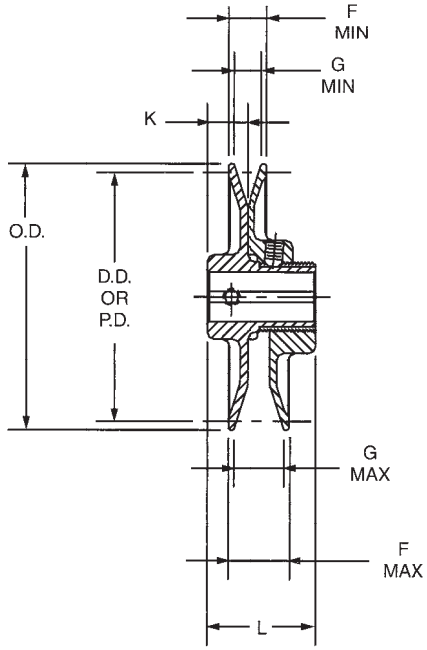
Part No.	Type	DIMENSIONS (Inches)							
		O.D.	F		G		L	K	Wt. Lbs.
			Max.	Min.	Max.	Min.			
2VP36	4	3.35	2	1 3/8	13/16	1/2	3	1 3/16	2.6
2VP42	4	3.95	2 1/8	1 3/8	7/8	1/2	3	1 3/16	3.5
2VP50	5	4.75	2 1/8	1 3/8	7/8	1/2	3	1 3/16	5.4
2VP56	5	5.35	2 1/8	1 3/8	7/8	1/2	3	1 3/16	6.6
2VP60	5	6.00	2 3/8	1 5/8	1 1/32	21/32	3 1/4	1 1/4	10.2
2VP62	5	5.95	2 3/8	1 5/8	1 1/32	21/32	3 1/4	1 1/4	10.5
2VP65	5	6.50	2 3/8	1 5/8	1 1/32	21/32	3 1/4	1 1/4	11.6
2VP68	5	6.55	2 3/8	1 5/8	1 1/32	21/32	3 1/4	1 1/4	12.3
2VP71	5	7.10	2 3/8	1 5/8	1 1/32	21/32	3 1/4	1 1/4	13.4
2VP75	5	7.50	2 3/8	1 5/8	1 1/32	21/32	3 1/4	1 1/4	15.5

Stock Sizes - Finished Bore (Inches)

Part No.	Type	DIAMETER RANGE																Stock Bores Marked “x”								
		“3L” BELTS				“4L” or “A” BELTS				“5L” or “B” BELTS				“5V” BELTS												
		Min. Pitch	Turns Open	Max. Pitch	Turns Open	Min. Datum	Turns Open	Max. Datum	Turns Open	Min. Datum	Turns Open	Max. Datum	Turns Open	Min. Pitch	Turns Open	Max. Pitch	Turns Open	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 5/8
2VP36	4	1.9	4	2.7	0	2.0	5	3.0	0	2.5	5	3.3	1	-	-	-	-	x	x	x	x	-	-	-	-	-
2VP42	4	2.5	4	3.3	0	2.6	5	3.6	0	2.9	6	3.9	1	-	-	-	-	-	x	x	x	x	x	-	-	-
2VP50	5	3.3	4	4.1	0	3.4	5	4.4	0	3.7	6	4.7	1	-	-	-	-	-	x	x	x	x	x	-	-	-
2VP56	5	3.9	4	4.7	0	4.0	5	5.0	0	4.3	6	5.3	1	-	-	-	-	-	x	x	x	x	x	-	-	-
2VP60	5	-	-	-	-	4.2	5	5.2	0	4.3	6	5.5	0	4.7	6	5.9	0	-	-	x	x	-	x	-	x	x
2VP62	5	-	-	-	-	4.2	5	5.2	0	4.3	6	5.5	0	4.7	6	5.9	0	-	-	x	x	x	x	x	x	-
2VP65	5	-	-	-	-	4.7	5	5.7	0	4.8	6	6.0	0	5.2	6	6.4	0	-	-	x	x	-	x	-	x	x
2VP68	5	-	-	-	-	4.7	5	5.7	0	4.8	6	6.0	0	5.2	6	6.4	0	-	-	-	x	x	x	x	x	-
2VP71	5	-	-	-	-	5.3	5	6.3	0	5.4	6	6.6	0	5.8	6	7.0	0	-	-	x	x	-	x	-	x	x
2VP75	5	-	-	-	-	5.7	5	6.7	0	5.8	6	7.0	0	6.2	6	7.4	0	-	-	x	x	-	x	-	x	x

All fitted with Hollow Head Setscrews.
Any standard two groove Browning Sheave can be used as a Companion Sheave.

VORTEX™
DESIGN



"VL" and "VM" Sheaves are furnished with Standard Keyseats and Hollow Head Setscrew and packaged 20 pieces per carton.

Stock "VL" and "VM" Variable Pitch Sheaves

Part No.	DIMENSIONS (Inches)							
	O.D.	F		G		L	K	Wt. Lbs.
		Max.	Min.	Max.	Min.			
1VL25	2.50	25/32	17/32	5/8	3/8	1 11/16	49/64	.8
1VL30	2.87	25/32	17/32	5/8	3/8	1 11/16	49/64	.9
1VL34	3.15	31/32	21/32	13/16	1/2	1 7/8	49/64	1.2
1VL40	3.75	1 1/32	21/32	7/8	1/2	1 7/8	49/64	1.7
1VL44	4.15	1 1/32	21/32	7/8	1/2	1 7/8	49/64	1.9
1VM50	4.75	1 1/16	11/16	7/8	1/2	1 15/16	23/32	1.9

Stock Sizes - Finished Bore (Inches)

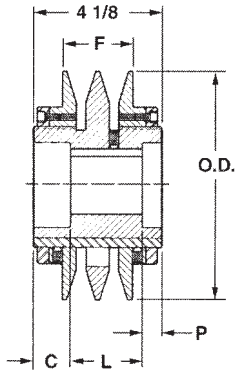
Part No.	DIAMETER RANGE												Stock Bores Marked "x"			
	"3L" BELTS				"4L" or "A" BELTS				"5L" or "B" BELTS				1/2	5/8	3/4	7/8
	Min. Pitch	Turns Open	Max. Pitch	Turns Open	Min. Datum	Turns Open	Max. Datum	Turns Open	Min. Datum	Turns Open	Max. Datum	Turns Open				
1VL25	1.6	4	2.4	0	-	-	-	-	-	-	-	-	x	x	-	-
1VL30	1.8	4	2.7	0	-	-	-	-	-	-	-	-	x	x	-	-
1VL34	1.7	4	2.5	0	1.9	5	2.9	0	2.4	5	3.2	1	x	x	x	-
1VL40	2.3	4	3.1	0	2.4	5	3.4	0	2.7	6	3.7	1	x	x	x	x
1VL44	2.7	4	3.5	0	2.8	5	3.8	0	3.1	6	4.1	1	x	x	x	x
1VM50	3.3	4	4.1	0	3.4	5	4.4	0	3.7	6	4.7	1	x	x	x	x

Standard Keyseats

Bore Range	Keyseat
3/4 to 7/8	3/16 x 3/32
15/16 to 1 1/4	1/4 x 1/8
1 5/16 to 1 3/8*	5/16 x 5/32
1 7/16 to 1 3/4	3/8 x 3/16

Low Priced, High Production Cast Iron Sheaves For Any Light Application

Two Groove Variable Speed Sheaves for “A”, “B” and “5V” Belts

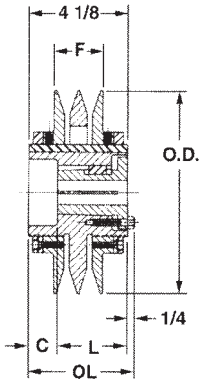


Type 5

- Patented Locking Ring Type
- Positive Locking
- Malleable Collars
- Movable Flanges Keyed to Hub
- Machined on All Surfaces.
- Statically Balanced
- Rugged Design for 5-30 HP Motors

Specifications - FINISHED BORE SHEAVES

Part Number	Type	O.D.	Pitch or Datum Diameter Range												F		L	P	Stock Bores Marked “ x “				Wt. Lbs.
			“A” BELTS				“ B “ BELTS				“ 5V “ BELTS												
			Min. D.D.	Turns Open	Max. D.D.	Turns Open	Min. D.D.	Turns Open	Max D.D.	Turns Open	Min P.D.	Turns Open	Max P.D.	Turns Open	Max.	Min.			7/8	1 1/18	1 3/8	1 7/8	
2V58B70	5	7.50	5.7	5	6.7	0	5.8	6	7.0	0	6.2	6	7.4	0	2 3/8	1 5/8	2 3/8	5/8	-	-	-	X	20.0
2V68B80	5	8.50	6.7	5	7.7	0	6.8	6	8.0	0	7.2	6	8.4	0	2 3/8	1 5/8	2 3/8	5/8	-	-	-	X	25.0



Type 6

Specifications - BUSHING BORE SHEAVES

Part Number	Bushing	Type	O.D.	Pitch or Datum Diameter Range												OL	F		L	P	C	H	Wt. Lbs. Less Bush
				“A” BELTS				“ B “ BELTS				“ 5V “ BELTS											
				Min. D.D	Turns Open	Max. D.D	Turns Open	Min. D.D	Turns Open	Max D.D.	Turns Open	Min P.D.	Turns Open	Max P.D.	Turns Open		Max.	Min.					
2V58B70P	P2	6	7.5	5.7	5	6.7	0	5.8	6	7.0	0	6.2	6	7.4	0	4 3/8	2 3/8	1 5/8	2 15/16	-	1 3/16	-	20.0
2V68B80P	P2	6	8.5	6.7	5	7.7	0	6.8	6	8.0	0	7.2	6	8.4	0	4 3/8	2 3/8	1 5/8	2 15/16	-	1 3/16	-	25.5

STOCK FINISHED BORE MVP® SHEAVES FOR "A" and "B" BELTS

U. S. Patent No. 5,304,098

DYNAMICALLY BALANCED

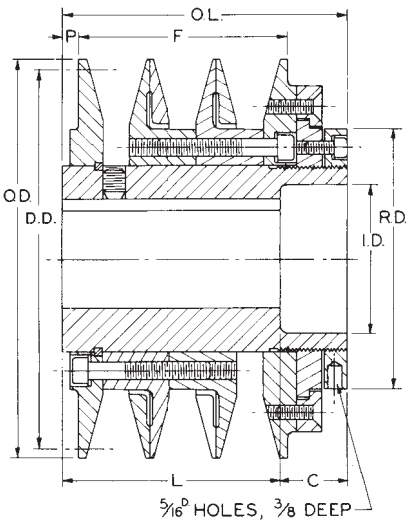


Table No. 1

" L " and " C " Dimensions

No. Grooves	Max Datum	BORE 7/8" L	7/8" C	1 1/8" L	1 1/8" C	1 3/8" L	1 3/8" C	1 5/8" L	1 5/8" C	1 7/8" L	1 7/8" C	2 1/8" L	2 1/8" C
2	4.9"	2"	1 5/8"	2 1/2"	1 1/8"	3 1/8	1/2	—	—	—	—	—	—
	5.4, 5.9, 6.4, 6.9	—	—	2 1/2	1 1/8	3 1/8	1/2 "	3 5/8"	0	—	—	—	—
3	4.9	—	—	2 1/2	2 1/4	3 1/8	1 5/8	—	—	—	—	—	—
	5.4, 5.9	—	—	2 1/2	2 1/4	3 1/8	1 5/8	3 3/4	1	—	—	—	—
	6.4, 6.9	—	—	2 1/2	2 1/4	3 1/8	1 5/8	3 3/4	1	4 3/8"	3/8"	—	—
	7.4, 8.4	—	—	—	—	—	—	—	—	2 13/16	1 15/16	—	—
4	4.9	—	—	2 1/2	3 3/8	3 1/8	2 3/4	—	—	—	—	—	—
	5.4, 5.9	—	—	2 1/2	3 3/8	3 1/8	2 3/4	3 3/4	2 1/8	—	—	—	—
	6.4, 6.9	—	—	2 1/2	3 3/8	3 1/8	2 3/4	3 3/4	2 1/8	4 3/8	1 1/2	—	—
	7.4, 8.4	—	—	—	—	—	—	—	—	4 5/16	1 9/16	4 5/16	1 9/16
5	4.9	—	—	—	—	3 1/8	3 7/8	—	—	—	—	—	—
	5.4, 5.9	—	—	—	—	3 1/8	3 7/8	3 3/4	3 1/4	—	—	—	—
	6.4, 6.9	—	—	—	—	3 1/8	3 7/8	3 3/4	3 1/4	4 3/8	2 5/8	—	—
	7.4, 8.4	—	—	—	—	—	—	—	—	4 5/16	2 11/16	4 5/16"	2 11/16"
6	4.9	—	—	—	—	3 1/2	4 5/8	—	—	—	—	—	—
	5.4, 5.9	—	—	—	—	3 1/2	4 5/8	3 3/4	4 3/8	—	—	—	—
	6.4, 6.9	—	—	—	—	—	—	3 3/4	4 3/8	4 3/8	3 3/4	—	—
	7.4, 8.4	—	—	—	—	—	—	—	—	4 5/16	3 13/16	4 5/16	3 13/16

Dimensions shown above are for Sheaves with Number of Grooves, Maximum D.D. and Bore indicated; for example, a 2MVP45B59 x 1 3/8" has a 3 1/8" "L" Dimension and a 1/2" "C" Dimension.

Table No. 2

Specifications

Diameters: Datum Range " A " Belts	Datum Range " B " Belts	Out-side	In-side	Ring (R.D.)	Part Number	Dimensions: O.L.	F Max.	F Min.	P	Stock Bores Marked " X " 7/8"	1 1/8"	1 3/8"	1 5/8"	1 7/8"	2 1/8"	2 3/8"	Wt. Lbs.
2 GROOVES																	
3.4" - 4.5"	3.5" - 4.9"	5.18"	1 3/8"	3 5/16"	**2MVP35B49**	3 5/8"	2 5/16"	1 15/16"	1/4"	x	x	x	-	-	-	-	9.8
3.9 - 5.0	4.0 - 5.4	5.68	1 7/8	3 13/16	**2MVP40B54**	3 5/8	2 5/16	1 15/16	1/4	-	x	x	x	-	-	-	12.5
4.4 - 5.5	4.5 - 5.9	6.18	1 7/8	3 13/16	**2MVP45B59**	3 5/8	2 5/16	1 15/16	1/4	-	x	x	x	-	-	-	14.3
4.9 - 6.0	5.0 - 6.4	6.68	2 3/8	4 3/8	**2MVP50B64**	3 5/8	2 5/16	1 15/16	1/4	-	x	x	x	-	-	-	18.1
5.4 - 6.5	5.5 - 6.9	7.18	2 3/8	4 3/8	**2MVP55B69**	3 5/8	2 5/16	1 15/16	1/4	-	x	x	x	-	-	-	19.8
3 GROOVES																	
3.4" - 4.5"	3.5" - 4.9"	5.18"	1 3/8"	3 5/16"	**3MVP35B49**	4 3/4"	3 7/16"	3 1/16"	1/4"	-	x	x	-	-	-	-	12.5
3.9 - 5.0	4.0 - 5.4	5.68	1 7/8	3 13/16	**3MVP40B54**	4 3/4	3 7/16	3 1/16	1/4	-	x	x	x	-	-	-	16.3
4.4 - 5.5	4.5 - 5.9	6.18	1 7/8	3 13/16	**3MVP45B59**	4 3/4	3 7/16	3 1/16	1/4	-	x	x	x	x	-	-	18.3
4.9 - 6.0	5.0 - 6.4	6.68	2 3/8	4 3/8	**3MVP50B64**	4 3/4	3 7/16	3 1/16	1/4	-	x	x	x	x	-	-	22.9
5.4 - 6.5	5.5 - 6.9	7.18	2 3/8	4 3/8	**3MVP55B69**	4 3/4	3 7/16	3 1/16	1/4	-	-	x	x	x	-	-	24.5
5.9 - 7.0	6.0 - 7.4	7.68	3 5/16	5 3/8	**3MVP60B74**	4 3/4	3 7/16	3 1/16	1/4	●	●	●	●	x	-	-	29.3
6.9 - 8.0	7.0 - 8.4	8.68	3 5/16	5 3/8	**3MVP70B84**	4 3/4	3 7/16	3 1/16	1/4	●	●	●	●	x	-	-	36.8
4 GROOVES																	
3.4" - 4.5"	3.5" - 4.9"	5.18"	1 3/8"	3 5/16"	**4MVP35B49**	5 7/8"	4 9/16"	4 3/16"	1/4"	-	x	x	-	-	-	-	15.0
3.9 - 5.0	4.0 - 5.4	5.68	1 7/8	3 13/16	**4MVP40B54**	5 7/8	4 9/16	4 3/16	1/4	-	x	x	x	-	-	-	20.5
4.4 - 5.5	4.5 - 5.9	6.18	1 7/8	3 13/16	**4MVP45B59**	5 7/8	4 9/16	4 3/16	1/4	-	-	x	x	x	-	-	22.8
4.9 - 6.0	5.0 - 6.4	6.68	2 3/8	4 3/8	**4MVP50B64**	5 7/8	4 9/16	4 3/16	1/4	-	-	x	x	x	-	-	29.8
5.4 - 6.5	5.5 - 6.9	7.18	2 3/8	4 3/8	**4MVP55B69**	5 7/8	4 9/16	4 3/16	1/4	-	-	x	x	x	-	-	31.1
5.9 - 7.0	6.0 - 7.4	7.68	3 5/16	5 3/8	**4MVP60B74**	5 7/8	4 9/16	4 3/16	1/4	-	●	●	●	x	-	-	38.8
6.9 - 8.0	7.0 - 8.4	8.68	3 5/16	5 3/8	**4MVP70B84**	5 7/8	4 9/16	4 3/16	1/4	-	●	●	●	x	x	-	47.0
5 GROOVES																	
3.4" - 4.5"	3.5" - 4.9"	5.18"	0	3 5/16"	**5MVP35B49**	7"	5 11/16"	5 5/16"	1/4"	-	-	x	-	-	-	-	18.3
3.9 - 5.0	4.0 - 5.4	5.68	1 7/8"	3 13/16	**5MVP40B54**	7	5 11/16	5 5/16	1/4	-	-	-	x	x	-	-	23.9
4.4 - 5.5	4.5 - 5.9	6.18	1 7/8	3 13/16	**5MVP45B59**	7	5 11/16	5 5/16	1/4	-	-	-	x	x	-	-	26.3
4.9 - 6.0	5.0 - 6.4	6.68	2 3/8	4 3/8	**5MVP50B64**	7	5 11/16	5 5/16	1/4	-	-	-	x	x	-	-	35.3
5.4 - 6.5	5.5 - 6.9	7.18	2 3/8	4 3/8	**5MVP55B69**	7	5 11/16	5 5/16	1/4	-	-	-	x	x	x	-	40.1
5.9 - 7.0	6.0 - 7.4	7.68	3 5/16	5 3/8	**5MVP60B74**	7	5 11/16	5 5/16	1/4	-	●	●	●	x	x	-	44.1
6.9 - 8.0	7.0 - 8.4	8.68	3 5/16	5 3/8	**5MVP70B84**	7	5 11/16	5 5/16	1/4	-	●	●	●	x	x	-	53.0
6 GROOVES																	
3.9 - 5.0	4.0 - 5.4	5.68	1 7/8"	3 13/16	**6MVP40B54**	8 1/8	6 13/16	6 7/16	1/4	-	-	-	x	x	-	-	27.0
4.4 - 5.5	4.5 - 5.9	6.18	1 7/8	3 13/16	**6MVP45B59**	8 1/8	6 13/16	6 7/16	1/4	-	-	-	x	x	-	-	32.3
4.9 - 6.0	5.0 - 6.4	6.68	2 3/8	4 3/8	**6MVP50B64**	8 1/8	6 13/16	6 7/16	1/4	-	-	-	-	x	x	-	38.1
5.4 - 6.5	5.5 - 6.9	7.18	2 3/8	4 3/8	**6MVP55B69**	8 1/8	6 13/16	6 7/16	1/4	-	-	-	-	x	-	-	42.0
5.9 - 7.0	6.0 - 7.4	7.68	3 5/16	4 3/8	**6MVP60B74**	8 1/8	6 13/16	6 7/16	1/4	-	●	●	●	x	x	-	50.0
6.9 - 8.0	7.0 - 8.4	8.68	3 5/16	4 3/8	**6MVP70B84**	8 1/8	6 13/16	6 7/16	1/4	-	●	●	●	x	x	x	61.0

● See Bushed type sheaves on next page

Standard Keyseats

Table No. 3

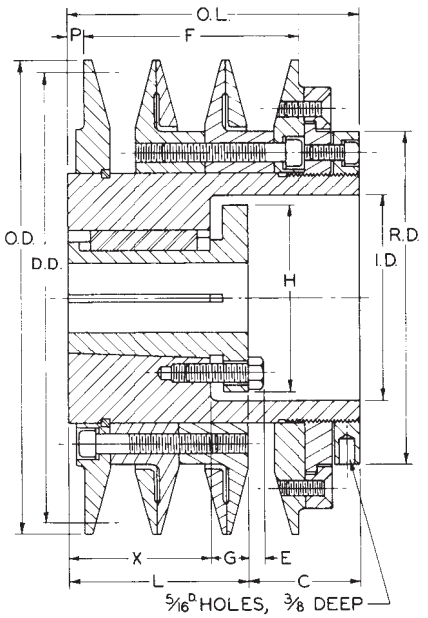
Bore Range	Keyseat
7/8"	3/16" x 3/32"
1 1/8	1/4 x 1/8
1 3/8	5/16 x 5/32
1 5/8	3/8 x 3/16
1 7/8, 2 1/8	1/2 x 1/4

Browning Finished Bore MVP® Sheaves are furnished with standard keyseats and two hollow head setscrews. Datum Diameter is infinitely adjustable within the datum range, .233" change per turn of the adjusting ring.

STOCK BUSHED TYPE MVP® SHEAVES FOR "A" and "B" BELTS

U. S. Patent No. 5,304,098

DYNAMICALLY BALANCED



C

Table No. 1

Specifications

DIAMETERS					PART NUMBER		DIMENSIONS										Wt. Less Bush.
Datum Range		Out-	In-	Ring	Sheave	Bush-	O.L.	F		L	C	H	G	X	P	E	
" A " Belts	" B " Belts	side	side	(R.D.)		ing		Max.	Min.								
2 GROOVES																	
5.9" - 7.0"	6.0" - 7.4"	7.68"	3 5/16"	5 3/8"	**2MVP60B74P**	P2	3 5/8"	2 5/16"	1 15/16"	2 15/16"	11/16"	3"	5/8"	2 5/16"	1/4"	1/4"	23.5
6.9 - 8.0	7.0 - 8.4	8.68	3 5/16	5 3/8	**2MVP70B84P**	P2	3 5/8	2 5/16	1 15/16	2 15/16	11/16	3	5/8	2 5/16	1/4	1/4	28.1
7.9 - 9.0	8.0 - 9.4	9.68	4 7/16	6 1/2	**2MVP80B94Q**	Q2	3 5/8	2 5/16	1 15/16	3 1/2	1/8	4 1/8	3/4	2 3/4	1/4	9/32	36.1
3 GROOVES																	
5.9" - 7.0"	6.0" - 7.4"	7.68"	3 5/16"	5 3/8"	**3MVP60B74P**	P2	4 3/4"	3 7/16"	3 1/16"	2 15/16"	1 13/16"	3"	5/8"	2 5/16"	1/4"	1/4"	29.5
6.9 - 8.0	7.0 - 8.4	8.68	3 5/16	5 3/8	**3MVP70B84P**	P2	4 3/4	3 7/16	3 1/16	2 15/16	1 13/16	3	5/8	2 5/16	1/4	1/4	35.9
7.9 - 9.0	8.0 - 9.4	9.68	4 7/16	6 1/2	**3MVP80B94Q**	Q2	4 3/4	3 7/16	3 1/16	3 1/2	1 1/4	4 1/8	3/4	2 3/4	1/4	9/32	45.5
4 GROOVES																	
5.9" - 7.0"	6.0" - 7.4"	7.68"	3 5/16"	5 3/8"	**4MVP60B74P**	P3	5 7/8"	4 9/16"	4 3/16"	4 7/16"	1 7/16"	3"	5/8"	3 13/16"	1/4"	1/4"	37.8
6.9 - 8.0	7.0 - 8.4	8.68	3 5/16	5 3/8	**4MVP70B84P**	P3	5 7/8	4 9/16	4 3/16	4 7/16	1 7/16	3	5/8	3 13/16	1/4	1/4	46.4
7.9 - 9.0	8.0 - 9.4	9.68	4 7/16	6 1/2	**4MVP80B94Q**	Q2	5 7/8	4 9/16	4 3/16	3 1/2	2 3/8	4 1/8	3/4	2 3/4	1/4	9/32	54.5
5 GROOVES																	
5.9" - 7.0"	6.0" - 7.4"	7.68"	3 5/16"	5 3/8"	**5MVP60B74P**	P3	7"	5 11/16"	5 5/16"	4 7/16"	2 9/16"	3"	5/8"	3 13/16"	1/4"	1/4"	42.6
6.9 - 8.0	7.0 - 8.4	8.68	3 5/16	5 3/8	**5MVP70B84P**	P3	7	5 11/16	5 5/16	4 7/16	2 9/16	3	5/8	3 13/16	1/4	1/4	52.5
7.9 - 9.0	8.0 - 9.4	9.68	4 7/16	6 1/2	**5MVP80B94Q**	Q3	7	5 11/16	5 5/16	5	2	4 1/8	3/4	4 1/4	1/4	9/32	66.5
6 GROOVES																	
5.9" - 7.0"	6.0" - 7.4"	7.68"	3 5/16"	5 3/8"	**6MVP60B74P**	P3	8 1/8"	6 13/16"	6 7/16"	4 7/16"	3 11/16"	3"	5/8"	3 13/16"	1/4"	1/4"	50.0
6.9 - 8.0	7.0 - 8.4	8.68	3 5/16	5 3/8	**6MVP70B84P**	P3	8 1/8	6 13/16	6 7/16	4 7/16	3 11/16	3	5/8	3 13/16	1/4	1/4	61.0
7.9 - 9.0	8.0 - 9.4	9.68	4 7/16	6 1/2	**6MVP80B94Q**	Q3	8 1/8	6 13/16	6 7/16	5	3 1/8	4 1/8	3/4	4 1/4	1/4	9/32	76.5

Datum diameter is infinitely adjustable within the range, .233" change per turn of the adjusting ring.

Bushing Bores

Table No. 2

Bushing No.	Bore Range
P2	3/4" - 1 3/4"
P3	1 1/8 - 1 5/8
Q2	1 - 2 5/8
Q3	1 3/8 - 2 1/2

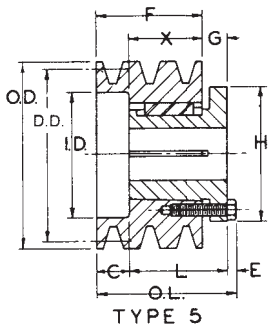
Standard Keyseats

Table No. 3

Bore Range	Keyseat
3/4" - 7/8"	3/16" x 3/32"
15/16 - 1 1/4	1/4 x 1/8
1 5/16 - 1 3/8	5/16 x 5/32
1 7/16 - 1 3/4	3/8 x 3/16
1 13/16 - 2 1/4	1/2 x 1/4
2 5/16 - 2 5/8	5/8 x 5/16

1 3/8" Bore Bushing (Except P3 and Q3) are available with 3/8" x 3/16" Keyseat.

STOCK COMPANION SHEAVES for "A" and "B" BELTS



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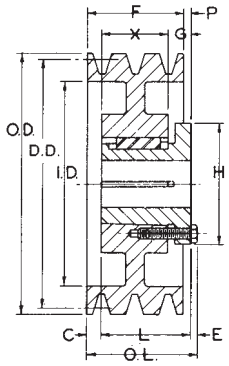

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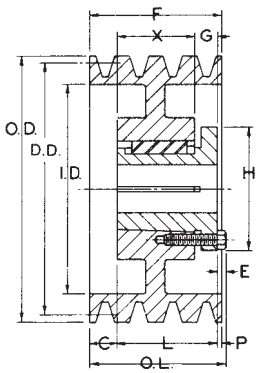


TYPE 15

C

Table No. 1

Specifications

DIAMETERS				PART NUMBER		Type	DIMENSIONS								Wt. Less Bush.
Datum "A" Belts	Datum "B" Belts	Outside	Inside	Sheave	Bush-ing		O.L.	L	P	C	H	G	X	E	
3 GROOVES, F = 3 1/4"															
4.6"	5.0"	5.35"	3 1/2"	**3MVB50P**	P1	15-Web	3 1/2"	1 15/16"	0	1 5/16"	3"	5/8"	1 5/16"	1/4"	9.8
5.0	5.4	5.75	3 7/8	**3MVB54P**	P1	15-Web	3 1/2	1 15/16	0	1 5/16	3	5/8	1 5/16	1/4	11.3
5.6	6.0	6.35	4 1/2	**3MVB60P**	P1	15-Web	3 1/2	1 15/16	0	1 5/16	3	5/8	1 5/16	1/4	13.8
6.0	6.4	6.75	4 7/8	**3MVB64P**	P1	15-Web	3 1/2	1 15/16	0	1 5/16	3	5/8	1 5/16	1/4	13.6
6.6	7.0	7.35	5 1/2	**3MVB70Q**	Q1	15-Web	3 17/32	2 1/2	0	3/4	4 1/8	3/4	1 3/4	9/32	16.8
7.0	7.4	7.75	5 15/16	**3MVB74Q**	Q1	15-Web	3 17/32	2 1/2	0	3/4	4 1/8	3/4	1 3/4	9/32	16.8
7.6	8.0	8.35	6 1/2	**3MVB80Q**	Q1	15-Web	3 17/32	2 1/2	0	3/4	4 1/8	3/4	1 3/4	9/32	19.5
8.2	8.6	8.95	7 1/16	**3MVB86Q**	Q1	15-Web	3 17/32	2 1/2	0	3/4	4 1/8	3/4	1 3/4	9/32	23.5
8.6	9.0	9.35	7 1/2	**3MVB90Q**	Q1	15-Arm	3 17/32	2 1/2	0	3/4	4 1/8	3/4	1 3/4	9/32	22.8
9.0	9.4	9.75	7 15/16	**3MVB94Q**	Q1	15-Arm	3 17/32	2 1/2	0	3/4	4 1/8	3/4	1 3/4	9/32	22.5
10.6	11.0	11.35	9 7/16	**3MVB110Q**	Q1	15-Arm	3 17/32	2 1/2	0	3/4	4 1/8	3/4	1 3/4	9/32	29.0
12.0	12.4	12.75	10 15/16	**3MVB124Q**	Q1	15-Arm	3 17/32	2 1/2	0	3/4	4 1/8	3/4	1 3/4	9/32	31.3
13.2	13.6	13.95	12 1/16	**3MVB136Q**	Q1	15-Arm	3 17/32	2 1/2	0	3/4	4 1/8	3/4	1 3/4	9/32	35.4
15.0	15.4	15.75	13 15/16	**3MVB154Q**	Q1	15-Arm	3 17/32	2 1/2	0	3/4	4 1/8	3/4	1 3/4	9/32	40.0
15.0	15.4	15.75	13 15/16	**3MVB154R**	R1	13-Arm	3 25/32	2 7/8	1/4"	5/8	5 3/8	7/8	2	9/32	44.6
18.0	18.4	18.75	16 15/16	**3MVB184Q**	Q1	15-Arm	3 17/32	2 1/2	0	3/4	4 1/8	3/4	1 3/4	9/32	49.3
18.0	18.4	18.75	16 15/16	**3MVB184R**	R1	13-Arm	3 25/32	2 7/8	1/4	5/8	5 3/8	7/8	2	9/32	53.5
19.5	20.0	20.35	18 1/2	**3MVB200R**	R1	13-Arm	3 25/32	2 7/8	1/4	5/8	5 3/8	7/8	2	9/32	61.0
24.5	25.0	25.35	23 1/2	**3MVB250R**	R1	13-Arm	3 25/32	2 7/8	1/4	5/8	5 3/8	7/8	2	9/32	77.0
29.5	30.0	30.35	28 1/2	**3MVB300R**	R1	13-Arm	3 25/32	2 7/8	1/4	5/8	5 3/8	7/8	2	9/32	109
37.5	38.0	38.35	36 1/2	**3MVB380R**	R1	13-Arm	3 25/32	2 7/8	1/4	5/8	5 3/8	7/8	2	9/32	132
4 GROOVES, F = 4 3/8"															
4.6"	5.0"	5.35"	3 1/2"	**4MVB50Q**	Q2	5	5 13/32"	3 1/2"	3/4"	1 5/8"	4 1/8"	3/4"	2 3/4"	9/32"	12.1
5.0	5.4	5.75	3 7/8	**4MVB54Q**	Q2	5	5 13/32	3 1/2	3/4	1 5/8	4 1/8	3/4	2 3/4	9/32	15.4
5.6	6.0	6.35	4 1/2	**4MVB60Q**	Q2	15-Web	4 19/32	3 1/2	1/16	13/16	4 1/8	3/4	2 3/4	9/32	19.1
6.0	6.4	6.75	4 7/8	**4MVB64Q**	Q2	15-Web	4 19/32	3 1/2	1/16	13/16	4 1/8	3/4	2 3/4	9/32	23.3
6.6	7.0	7.35	5 1/2	**4MVB70Q**	Q2	15-Web	4 19/32	3 1/2	1/16	13/16	4 1/8	3/4	2 3/4	9/32	24.8
7.0	7.4	7.75	5 15/16	**4MVB74Q**	Q2	15-Web	4 19/32	3 1/2	1/16	13/16	4 1/8	3/4	2 3/4	9/32	29.0
7.6	8.0	8.35	6 1/2	**4MVB80Q**	Q2	15-Web	4 19/32	3 1/2	1/16	13/16	4 1/8	3/4	2 3/4	9/32	26.2
8.2	8.6	8.95	7 1/16	**4MVB86Q**	Q2	15-Web	4 19/32	3 1/2	1/16	13/16	4 1/8	3/4	2 3/4	9/32	30.0
8.6	9.0	9.35	7 1/2	**4MVB90Q**	Q2	15-Web	4 19/32	3 1/2	1/16	13/16	4 1/8	3/4	2 3/4	9/32	33.4
9.0	9.4	9.75	7 15/16	**4MVB94Q**	Q2	15-Web	4 19/32	3 1/2	1/16	13/16	4 1/8	3/4	2 3/4	9/32	35.3
10.6	11.0	11.35	9 7/16	**4MVB110R**	R1	15-Arm	4 3/8	2 7/8	5/16	1 3/16	5 3/8	7/8	2	9/32	39.5
12.0	12.4	12.75	10 15/16	**4MVB124R**	R1	15-Arm	4 3/8	2 7/8	5/16	1 3/16	5 3/8	7/8	2	9/32	42.3
13.2	13.6	13.95	12 1/16	**4MVB136R**	R1	15-Arm	4 3/8	2 7/8	5/16	1 3/16	5 3/8	7/8	2	9/32	47.0
15.0	15.4	15.75	13 15/16	**4MVB154R**	R1	15-Arm	4 3/8	2 7/8	5/16	1 3/16	5 3/8	7/8	2	9/32	52.5
18.0	18.4	18.75	16 15/16	**4MVB184R**	R1	15-Arm	4 3/8	2 7/8	5/16	1 3/16	5 3/8	7/8	2	9/32	65.0
19.5	20.0	20.35	18 1/2	**4MVB200R**	R1	15-Arm	4 3/8	2 7/8	5/16	1 3/16	5 3/8	7/8	2	9/32	73.0
24.5	25.0	25.35	23 1/2	**4MVB250R**	R1	15-Arm	4 3/8	2 7/8	5/16	1 3/16	5 3/8	7/8	2	9/32	88.0
29.5	30.0	30.35	28 1/2	**4MVB300R**	R1	15-Arm	4 3/8	2 7/8	5/16	1 3/16	5 3/8	7/8	2	9/32	131
37.5	38.0	38.35	36 1/2	**4MVB380R**	R1	15-Arm	4 3/8	2 7/8	5/16	1 3/16	5 3/8	7/8	2	9/32	171

Bushing Bores

Table No. 2

Bushing No.	Bore Range
P1	1/2" - 1 3/4"
Q1	3/4 - 2 11/16
Q2	1 - 2 5/8
R1	1 1/8 - 3 3/4

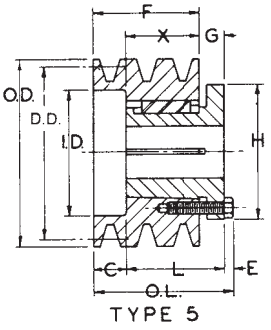
Standard Keyseats

Table No. 3

Bore Range	Keyseat	Bore Range	Keyseat
1/2" - 9/16"	1/8" x 1/16"	1 13/16" - 2 1/4"	1/2" x 1/4"
5/8 - 7/8	3/16 x 3/32	2 5/16 - 2 3/4	5/8 x 5/16
15/16 - 1 1/4	1/4 x 1/8	2 13/16 - 3 1/4	3/4 x 3/8
1 5/16 - 1 3/8	5/16 x 5/32	3 3/8 - 3 3/4	7/8 x 7/16
1 7/16 - 1 3/4	3/8 x 3/16		

1 3/8" Bore Bushings also available with 3/8" x 3/16" Keyseat.

STOCK COMPANION SHEAVES for "A" and "B" BELTS



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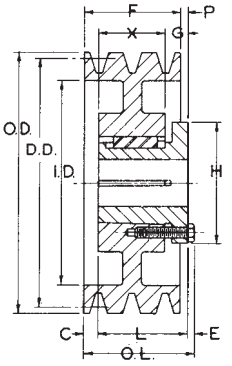

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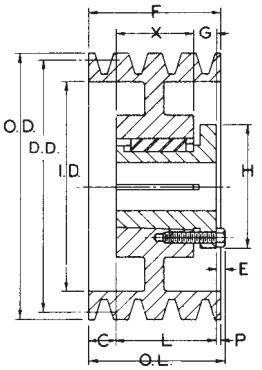


TYPE 15

C

Table No. 1

Specifications

DIAMETERS				PART NUMBER		Type	DIMENSIONS								
Datum "A" Belts	Datum "B" Belts	Outside	Inside	Sheave	Bush-ing		O.L.	L	P	C	H	G	X	E	Wt. Less Bush.
5 GROOVES, F = 5 1/2"															
4.6"	5.0"	5.35"	3 1/2"	**5MVB50Q**	Q2	5	6 17/32"	3 1/2"	3/4"	2 3/4	4 1/8"	3/4"	2 3/4"	9/32"	15.2
5.0	5.4	5.75	3 7/8	**5MVB54Q**	Q2	5	6 17/32	3 1/2	3/4	2 3/4	4 1/8	3/4	2 3/4	9/32	19.0
5.6	6.0	6.35	4 1/2	**5MVB60Q**	Q2	15-Web	5 1/2	3 1/2	1 1/4	3/4	4 1/8	3/4	2 3/4	9/32	22.8
6.0	6.4	6.75	4 7/8	**5MVB64Q**	Q2	15-Web	5 1/2	3 1/2	1 1/4	3/4	4 1/8	3/4	2 3/4	9/32	27.6
6.6	7.0	7.35	5 1/2	**5MVB70R**	R2	13-Web	5 29/32	4 7/8	1/8	3/4	5 3/8	7/8	4	9/32	31.8
7.0	7.4	7.75	5 15/16	**5MVB74R**	R2	13-Web	5 29/32	4 7/8	1/8	3/4	5 3/8	7/8	4	9/32	37.0
7.6	8.0	8.35	6 1/2	**5MVB80R**	R2	13-Web	5 29/32	4 7/8	1/8	3/4	5 3/8	7/8	4	9/32	45.3
8.2	8.6	8.95	7 1/16	**5MVB86R**	R2	13-Web	5 29/32	4 7/8	1/8	3/4	5 3/8	7/8	4	9/32	51.3
8.6	9.0	9.35	7 1/2	**5MVB90R**	R2	13-Web	5 29/32	4 7/8	1/8	3/4	5 3/8	7/8	4	9/32	64.0
9.0	9.4	9.75	7 15/16	**5MVB94R**	R2	13-Arm	5 29/32	4 7/8	1/8	3/4	5 3/8	7/8	4	9/32	50.5
10.6	11.0	11.35	9 7/16	**5MVB110R**	R2	13-Arm	5 29/32	4 7/8	1/8	3/4	5 3/8	7/8	4	9/32	66.0
12.0	12.4	12.75	10 15/16	**5MVB124R**	R2	13-Arm	5 29/32	4 7/8	1/8	3/4	5 3/8	7/8	4	9/32	64.0
13.2	13.6	13.95	12 1/16	**5MVB136R**	R2	13-Arm	5 29/32	4 7/8	1/8	3/4	5 3/8	7/8	4	9/32	73.5
15.0	15.4	15.75	13 15/16	**5MVB154R**	R2	13-Arm	5 29/32	4 7/8	1/8	3/4	5 3/8	7/8	4	9/32	81.5
18.0	18.4	18.75	16 15/16	**5MVB184R**	R2	13-Arm	5 29/32	4 7/8	1/8	3/4	5 3/8	7/8	4	9/32	91.0
19.5	20.0	20.35	18 1/2	**5MVB200R**	R2	13-Arm	5 29/32	4 7/8	1/8	3/4	5 3/8	7/8	4	9/32	102
24.5	25.0	25.35	23 1/2	**5MVB250R**	R2	13-Arm	5 29/32	4 7/8	1/8	3/4	5 3/8	7/8	4	9/32	115
29.5	30.0	30.35	28 1/2	**5MVB300R**	R2	13-Arm	5 29/32	4 7/8	1/8	3/4	5 3/8	7/8	4	9/32	166
37.5	38.0	38.35	36 1/2	**5MVB380R**	R2	13-Arm	5 29/32	4 7/8	1/8	3/4	5 3/8	7/8	4	9/32	235
6 GROOVES, F = 6 5/8"															
5.0	5.4	5.75	3 7/8	**6MVB54Q**	Q2	5	7 21/32	3 1/2	3/4	3 7/8	4 1/8	3/4	2 3/4	9/32	22.0
5.6	6.0	6.35	4 1/2	**6MVB60Q**	Q2	15-Web	6 5/8	3 1/2	2 3/8	3/4	4 1/8	3/4	2 3/4	9/32	26.3
6.6	7.0	7.35	5 1/2	**6MVB70R**	R2	15-Web	6 5/8	4 7/8	7/16	1 5/16	5 3/8	7/8	4	9/32	35.5
9.0	9.4	9.75	7 15/16	**6MVB94R**	R2	15-Web	6 5/8	4 7/8	7/16	1 5/16	5 3/8	7/8	4	9/32	56.5
10.6	11.0	11.35	9 7/16	**6MVB110R**	R2	15-Arm	6 5/8	4 7/8	7/16	1 5/16	5 3/8	7/8	4	9/32	62.0
12.0	12.4	12.75	10 15/16	**6MVB124R**	R2	15-Arm	6 5/8	4 7/8	7/16	1 5/16	5 3/8	7/8	4	9/32	70.0
13.2	13.6	13.95	12 1/16	**6MVB136R**	R2	15-Arm	6 5/8	4 7/8	7/16	1 5/16	5 3/8	7/8	4	9/32	79.0
15.0	15.4	15.75	13 15/16	**6MVB154R**	R2	15-Arm	6 5/8	4 7/8	7/16	1 5/16	5 3/8	7/8	4	9/32	90.0
18.0	18.4	18.75	16 15/16	**6MVB184R**	R2	15-Arm	6 5/8	4 7/8	7/16	1 5/16	5 3/8	7/8	4	9/32	101
19.5	20.0	20.35	18 1/2	**6MVB200R**	R2	15-Arm	6 5/8	4 7/8	7/16	1 5/16	5 3/8	7/8	4	9/32	114
24.5	25.0	25.35	23 1/2	**6MVB250R**	R2	15-Arm	6 5/8	4 7/8	7/16	1 5/16	5 3/8	7/8	4	9/32	147
29.5	30.0	30.35	28 1/2	**6MVB300R**	R2	15-Arm	6 5/8	4 7/8	7/16	1 5/16	5 3/8	7/8	4	9/32	181
37.5	38.0	38.35	36 1/2	**6MVB380R**	R2	15-Arm	6 5/8	4 7/8	7/16	1 5/16	5 3/8	7/8	4	9/32	245

Bushing Bores

Table No. 2

Bushing No.	Bore Range
Q2	1" — 2 5/8"
R2	1 3/8 — 3 5/8

Standard Keyseats

Table No. 3

Bore Range	Keyseat	Bore Range	Keyseat
1 " — 1 1/4"	1/4" x 1/8	2 5/6" — 2 3/4	5/8" x 5/16"
1 5/16 — 1 3/8	5/16 x 5/32	2 13/16 — 3 1/4	3/4 x 3/8
1 7/16 — 1 3/4	3/8 x 3/16	3 3/8 — 3 3/4	7/8 x 7/16
1 13/16 — 2 1/4	1/2 x 1/4		

1 3/8" Bore Bushings (Except R2) also available with 3/8" x 3/16" Keyseat.

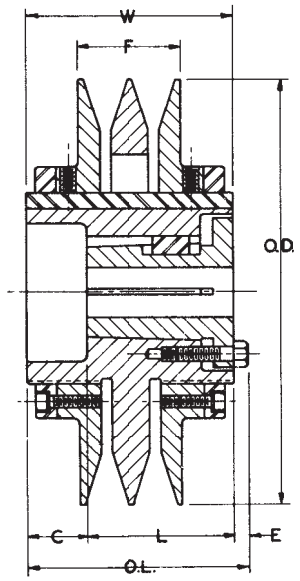
STOCK BUSHED TYPE VARIABLE SPEED SHEAVES FOR " C " BELTS

Table No. 1

Two Groove "C" Locking Ring Variable Speed Sheaves

Part Number		O.D.	Belt Size	Datum Range				DIMENSIONS							Wt Less Bush.
Sheave	Bushing			Min. Pitch	Turns Open	Max. Pitch	Turns Open	O.L.	F Max.	F Min.	L	C	W	E	
2V72C90Q	Q2	9.48"	C	7.2"	9	9.0"	0	5 1/32"	3 1/4"	2 1/8"	3 1/2"	1 1/4"	4 3/4	9/32"	34.3
2V82C100Q	Q2	10.48	C	8.2	9	10.0	0	5 1/32	3 1/4	2 1/8"	3 1/2	1 1/4	4 3/4	9/32	41.0
2V92C110Q	Q2	11.48	C	9.2	9	11.0	0	5 1/32	3 1/4	2 1/8"	3 1/2	1 1/4	4 3/4	9/32	48.4

*Use Browning Gripbelts and Stock 2 Groove Sheaves with these Sheaves. D.D. is adjustable on quarter-turn increments ; .05" per quarter - turn.



Standard Keyseats

Table No. 3

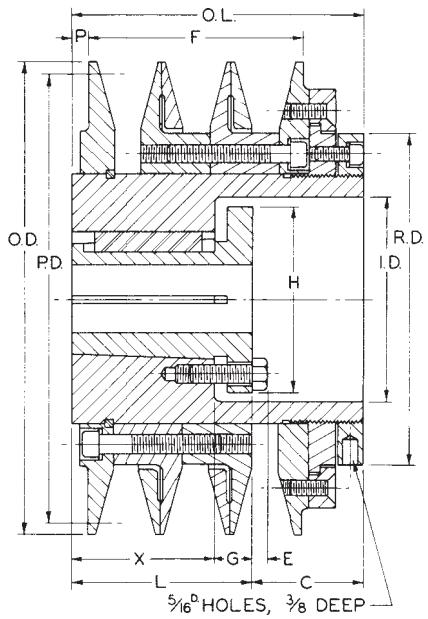
Bore Range	Keyseat
1" - 1 1/4"	1/4" x 1/8"
1 5/16 - 1 3/8	5/16 x 5/32
1 7/16 - 1 3/4	3/8 x 3/16
1 13/16 - 2 1/4	1/2 x 1/4
2 5/16 - 2 5/8	5/8 x 5/16
2 7/8	3/4 x 3/8

1 3/8" Bore Bushings (Except Q3) also available with 3/8" x 3/16" Keyseat.

Bushing Bores

Table No. 4

Bushing No.	Bore Range
Q2	1" - 2 5/8"
Q3	1 3/8 - 2 1/2



LOCKING RING VARIABLE SPEED SHEAVES

MVP® SHEAVES

U.S. Patent No. 5,304,098

DYNAMICALLY BALANCED

Table No. 2

MVP® Sheaves

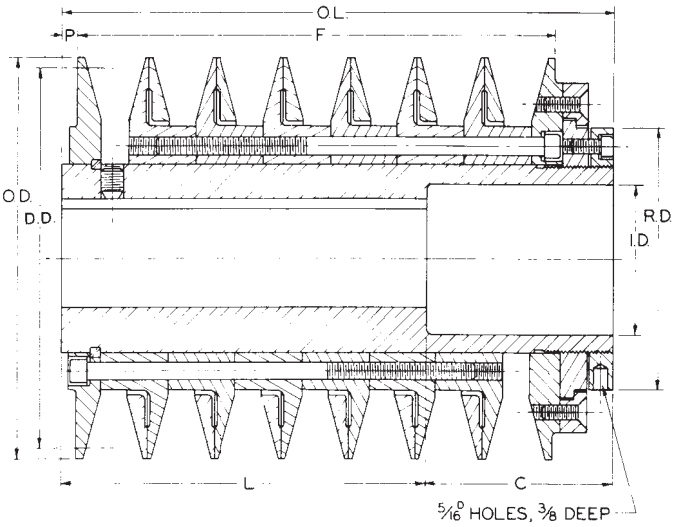
DIAMETERS				PART NUMBERS		DIMENSIONS											
Datum Range " C " Belts	Outside	Inside	Ring (R.D.)	Sheave	Bushing	O.L.	F Max.	F Min.	L	C	H	G	X	P	E	Wt. Less Bush.
2 GROOVES																	
7.5" - 9.7"	10.06"	4 7/16"	6 1/2"	**2MVP75C97Q**	Q2	4 5/8"	3 3/8"	2 25/32"	3 1/2"	1 1/8"	4 1/8"	3/4"	2 3/4"	1/4"	9/32"	44.6
8.5 - 10.7	11.06	4 7/16	6 1/2	**2MVP85C107Q**	Q2	4 5/8	3 3/8	2 25/32	3 1/2	1 1/8	4 1/8	3/4	2 3/4	1/4	9/32	51.5
9.5 - 11.7	12.06	4 7/16	6 1/2	**2MVP95C117Q**	Q2	4 5/8	3 3/8	2 25/32	3 1/2	1 1/8	4 1/8	3/4	2 3/4	1/4	9/32	61.0
10.5 - 12.7	13.06	4 7/16	6 1/2	**2MVP105C127Q**	Q2	4 5/8	3 3/8	2 25/32	3 1/2	1 1/8	4 1/8	3/4	2 3/4	1/4	9/32	69.5
11.5 - 13.7	14.06	4 7/16	6 1/2	**2MVP115C137Q**	Q2	4 5/8	3 3/8	2 25/32	3 1/2	1 1/8	4 1/8	3/4	2 3/4	1/4	9/32	81.0
3 GROOVES																	
7.5" - 9.7"	10.06"	4 7/16"	6 1/2"	**3MVP75C97Q**	Q2	6 9/32"	5 1/32"	4 7/16"	3 1/2"	2 25/32"	4 1/8"	3/4"	2 3/4"	1/4"	9/32"	57.5
8.0 - 10.2	10.56	4 7/16	6 1/2	**3MVP80C102Q**	Q2	6 9/32	5 1/32	4 7/16	3 1/2	2 25/32	4 1/8	3/4	2 3/4	1/4	9/32	63.5
8.5 - 10.7	11.06	4 7/16	6 1/2	**3MVP85C107Q**	Q2	6 9/32	5 1/32	4 7/16	3 1/2	2 25/32	4 1/8	3/4	2 3/4	1/4	9/32	68.5
9.0 - 11.2	11.56	4 7/16	6 1/2	**3MVP90C112Q**	Q2	6 9/32	5 1/32	4 7/16	3 1/2	2 25/32	4 1/8	3/4	2 3/4	1/4	9/32	73.5
9.5 - 11.7	12.06	4 7/16	6 1/2	**3MVP95C117Q**	Q2	6 9/32	5 1/32	4 7/16	3 1/2	2 25/32	4 1/8	3/4	2 3/4	1/4	9/32	78.0
10.5 - 12.7	13.06	4 7/16	6 1/2	**3MVP105C127Q**	Q2	6 9/32	5 1/32	4 7/16	3 1/2	2 25/32	4 1/8	3/4	2 3/4	1/4	9/32	92.5
11.5 - 13.7	14.06	4 7/16	6 1/2	**3MVP115C137Q**	Q2	6 9/32	5 1/32	4 7/16	3 1/2	2 25/32	4 1/8	3/4	2 3/4	1/4	9/32	111
4 GROOVES																	
7.5" - 9.7"	10.06"	4 7/16"	6 1/2"	**4MVP75C97Q**	Q3	7 15/16"	6 11/16"	6 3/32"	5"	2 15/16"	4 1/8"	3/4"	4 1/4"	1/4"	9/32"	74.0
8.5 - 10.7	11.06	4 7/16	6 1/2	**4MVP85C107Q**	Q3	7 15/16	6 11/16	6 3/32	5	2 15/16	4 1/8	3/4	4 1/4"	1/4	9/32	89.0
9.5 - 11.7	12.06	4 7/16	6 1/2	**4MVP95C117Q**	Q3	7 15/16	6 11/16	6 3/32	5	2 15/16	4 1/8	3/4	4 1/4"	1/4	9/32	103
10.5 - 12.7	13.06	4 7/16	6 1/2	**4MVP105C127Q**	Q3	7 15/16	6 11/16	6 3/32	5	2 15/16	4 1/8	3/4	4 1/4"	1/4	9/32	121
11.5 - 13.7	14.06	4 7/16	6 1/2	**4MVP115C137Q**	Q3	7 15/16	6 11/16	6 3/32	5	2 15/16	4 1/8	3/4	4 1/4"	1/4	9/32	141

Datum diameter is infinitely adjustable within the datum range, .233" change per turn of the adjusting ring.

STOCK FINISHED BORE MVP® SHEAVES FOR "C" BELTS

U.S. Patent No. 5,304,098

DYNAMICALLY BALANCED



C

Table No. 1

Specifications

DIAMETERS				Part Numbers	DIMENSIONS				STOCK BORES MARKED " X "					Wt. Lbs.
Datum Range " C " Belts	Out-side	In-side	Ring (R.D.)		O.L.	F Max.	F Min.	P	1 7/8"	2 1/8"	2 3/8"	2 7/8"	3 3/8"	
5 GROOVES														
7.5" - 9.7"	10.06"	4 5/16"	6 1/2"	**5MVP75C97**	9 19/32"	8 11/32"	7 3/4"	1/4"	x	x	x	—	—	97
8.5 - 10.7	11.06	4 5/16	6 1/2	**5MVP85C107**	9 19/32	8 11/32	7 3/4	1/4	—	x	x	x	—	115
9.5 - 11.7	12.06	4 5/16	6 1/2	**5MVP95C117**	9 19/32	8 11/32	7 3/4	1/4	—	x	x	x	—	133
10.5 - 12.7	13.06	4 5/16	6 1/2	**5MVP105C127**	9 19/32	8 11/32	7 3/4	1/4	—	—	x	x	—	156
11.5 - 13.7	14.06	4 5/16	6 1/2	**5MVP115C137**	9 19/32	8 11/32	7 3/4	1/4	—	—	x	—	—	180
6 GROOVES														
7.5" - 9.7"	10.06"	4 5/16"	6 1/2"	**6MVP75C97**	11 1/4"	10"	9 13/32"	1/4"	—	x	x	—	—	109
8.5 - 10.7	11.06	4 5/16	6 1/2	**6MVP85C107**	11 1/4	10	9 13/32	1/4	—	—	x	x	—	132
9.5 - 11.7	12.06	4 5/16	6 1/2	**6MVP95C117**	11 1/4	10	9 13/32	1/4	—	—	x	x	—	152
10.5 - 12.7	13.06	4 5/16	6 1/2	**6MVP105C127**	11 1/4	10	9 13/32	1/4	—	—	x	—	—	177
11.5 - 13.7	14.06	4 5/16	6 1/2	**6MVP115C137**	11 1/4	10	9 13/32	1/4	—	—	x	—	—	210
7 GROOVES														
7.5" - 9.7"	10.06"	4 5/16"	6 1/2"	**7MVP75C97**	12 29/32"	11 21/32"	11 1/16"	1/4"	—	—	x	x	—	130
8.5 - 10.7	11.06	4 5/16	6 1/2	**7MVP85C107**	12 29/32	11 21/32	11 1/16	1/4	—	—	x	x	—	153
9.5 - 11.7	12.06	4 5/16	6 1/2	**7MVP95C117**	12 29/32	11 21/32	11 1/16	1/4	—	—	—	x	—	178
10.5 - 12.7	13.06	4 5/16	6 1/2	**7MVP105C127**	12 29/32	11 21/32	11 1/16	1/4	—	—	—	x	—	200
11.5 - 13.7	14.06	4 5/16	6 1/2	**7MVP115C137**	12 29/32	11 21/32	11 1/16	1/4	—	—	—	—	x	237
8 GROOVES														
7.5" - 9.7"	10.06"	4 5/16"	6 1/2"	**8MVP75C97**	14 9/16"	13 5/16"	12 23/32"	1/4"	—	—	—	x	—	139
8.5 - 10.7	11.06	4 5/16	6 1/2	**8MVP85C107**	14 9/16	13 5/16	12 23/32	1/4	—	—	—	x	—	161
9.5 - 11.7	12.06	4 5/16	6 1/2	**8MVP95C117**	14 9/16	13 5/16	12 23/32	1/4	—	—	—	x	x	200
10.5 - 12.7	13.06	4 5/16	6 1/2	**8MVP105C127**	14 9/16	13 5/16	12 23/32	1/4	—	—	—	—	x	232
11.5 - 13.7	14.06	4 5/16	6 1/2	**8MVP115C137**	14 9/16	13 5/16	12 23/32	1/4	—	—	—	—	x	272
10 GROOVES														
7.5" - 9.7"	10.06"	4 5/16"	6 1/2"	**10MVP75C97**	17 7/8"	16 5/8"	16 1/32"	1/4"	—	—	—	x	—	168
8.5 - 10.7	11.06	4 5/16	6 1/2	**10MVP85C107**	17 7/8	16 5/8	16 1/32	1/4	—	—	—	x	—	206
9.5 - 11.7	12.06	4 5/16	6 1/2	**10MVP95C117**	17 7/8	16 5/8	16 1/32	1/4	—	—	—	x	x	240
10.5 - 12.7	13.06	4 5/16	6 1/2	**10MVP105C127**	17 7/8	16 5/8	16 1/32	1/4	—	—	—	—	x	276
11.5 - 13.7	14.06	4 5/16	6 1/2	**10MVP115C137**	17 7/8	16 5/8	16 1/32	1/4	—	—	—	—	x	322

Browning Finished Bore "MVP" Sheaves are furnished with standard keyseats and two hollow head set screws.
Datum diameter is infinitely adjustable within the datum range, .233" change per turn of the adjusting ring.

Standard Keyseats

Table No. 2

Bore	Keyseat
1 7/8, 2 1/8	1/2" x 1/4"
2 3/8	5/8 x 5/16
2 7/8	3/4 x 3/8
3 3/8	7/8 x 7/16

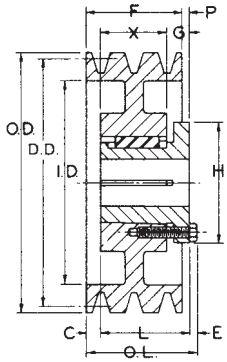
Table No. 3

" L " and " C " Dimensions

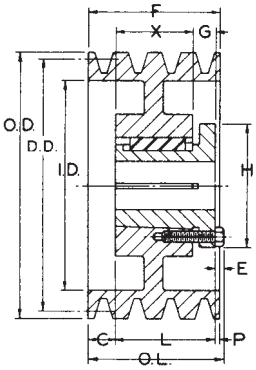
No. Grooves	BORES 1 7/8 L	1 7/8 C	2 1/8 L	2 1/8 C	2 3/8 L	2 3/8 C	2 7/8 L	2 7/8 C	3 3/8 L	3 3/8 C
5	4 3/8"	5 7/32"	5"	4 19/32"	5 5/8"	3 31/32"	6 3/8"	3 7/32"	—	—
6	—	—	6 1/8	5 1/8	6 3/8	4 7/8	6/38	4 7/8	—	—
7	—	—	6 1/8.	6 25/32	6 7/8	6 1/32	7	5 29/32	8 1/4"	4 21/32"
8	—	—	—	—	6 7/8	7 11/16	7	7 9/16	8 1/4	6 5/16
10	—	—	—	—	6 7/8	11	8 3/8	9 1/2	9 7/8	8

Dimensions shown above are for sheaves with Number of Grooves and Bore indicated; for example, a 6MVP75C97 x 2 1/8 Sheave has a 6 1/8" "L" Dimension and 5 1/8" "C" Dimension.

STOCK COMPANION SHEAVES for "C" BELTS



TYPE 13



TYPE 15

C

Table No. 1

Specifications

DIAMETERS			PART NUMBER		Type	DIMENSIONS								Wt.
Datum " C " Belts	Outside	Inside	Sheave	Bush-ing		O.L.	L	P	C	H	G	X	E	Less Bush.
3 GROOVES, F = 4 9/16"														
8.0"	8.40"	6 1/4"	**3MVC80Q**	Q2	15-Web	4 11/16"	3 1/2"	5/32"	29/32"	4 1/8"	3/4"	2 3/4"	9/32"	33.5
8.6	9.00	6 13/16	**3MVC86Q**	Q2	15-Web	4 11/16	3 1/2	5/32	29/32	4 1/8	3/4	2 3/4	9/32	34.0
9.0	9.40	7 1/4	**3MVC90Q**	Q2	15-Web	4 11/16	3 1/2	5/32	29/32	4 1/8	3/4	2 3/4	9/32	35.5
9.6	10.00	7 13/16	**3MVC96Q**	Q2	15-Web	4 11/16	3 1/2	5/32	29/32	4 1/8	3/4	2 3/4	9/32	41.5
10.0	10.40	8 1/4	**3MVC100Q**	Q2	15-Arm	4 11/16	3 1/2	5/32	29/32	4 1/8	3/4	2 3/4	9/32	45.8
10.6	11.00	8 13/16	**3MVC106Q**	Q2	15-Arm	4 11/16	3 1/2	5/32	29/32	4 1/8	3/4	2 3/4	9/32	46.6
11.0	11.40	9 1/4	**3MVC110Q**	Q2	15-Arm	4 11/16	3 1/2	5/32	29/32	4 1/8	3/4	2 3/4	9/32	45.8
12.0	12.40	10 1/4	**3MVC120Q**	Q2	15-Arm	4 11/16	3 1/2	5/32	29/32	4 1/8	3/4	2 3/4	9/32	50.3
13.0	13.40	11 1/4	**3MVC130Q**	Q2	15-Arm	4 11/16	3 1/2	5/32	29/32	4 1/8	3/4	2 3/4	9/32	53.0
14.0	14.40	12 5/16	**3MVC140R**	R1	15-Arm	4 9/16	2 7/8	13/32	1 9/32	5 3/8	7/8	2	9/32	56.5
16.0	16.40	14 3/16	**3MVC160R**	R1	15-Arm	4 9/16	2 7/8	13/32	1 9/32	5 3/8	7/8	2	9/32	67.5
18.0	18.40	16 3/8	**3MVC180R**	R1	15-Arm	4 9/16	2 7/8	13/32	1 9/32	5 3/8	7/8	2	9/32	96.5
20.0	20.40	18 3/16	**3MVC200R**	R1	15-Arm	4 9/16	2 7/8	13/32	1 9/32	5 3/8	7/8	2	9/32	85.0
24.0	24.40	22 3/16	**3MVC240R**	R1	15-Arm	4 9/16	2 7/8	13/32	1 9/32	5 3/8	7/8	2	9/32	101
27.0	27.40	25 3/8	**3MVC270R**	R2	13-Arm	5 7/16	4 7/8	19/32	9/32	5 3/8	7/8	4	9/32	131
30.0	30.40	28 1/8	**3MVC300R**	R2	13-Arm	5 7/16	4 7/8	19/32	9/32	5 3/8	7/8	4	9/32	156
36.0	36.40	34 1/8	**3MVC360R**	R2	13-Arm	5 7/16	4 7/8	19/32	9/32	5 3/8	7/8	4	9/32	200
44.0	44.40	42 1/8	**3MVC440U**	U0	13-Arm	5 13/16	4 15/16	25/32	13/32	8 3/8	1 3/16	3 3/4	15/32	290
50.0	50.40	48 1/8	**3MVC500U**	U0	13-Arm	5 13/16	4 15/16	25/32	13/32	8 3/8	1 3/16	3 3/4	15/32	315
4 GROOVES, F = 6 7/32"														
8.0"	8.40"	6 1/4"	**4MVC80Q**	Q2	15-Web	6 7/32"	3 1/2"	63/64"	1 47/64"	4 1/8"	3/4"	2 3/4"	9/32"	43.5
8.6	9.00	6 13/16	**4MVC86Q**	Q2	15-Web	6 7/32	3 1/2	63/64	1 47/64	4 1/8	3/4	2 3/4	9/32	43.6
9.0	9.40	7 1/4	**4MVC90Q**	Q2	15-Web	6 7/32	3 1/2	63/64	1 47/64	4 1/8	3/4	2 3/4	9/32	45.3
9.6	10.00	7 13/16	**4MVC96Q**	Q2	15-Web	6 7/32	3 1/2	63/64	1 47/64	4 1/8	3/4	2 3/4	9/32	52.5
10.0	10.40	8 1/4	**4MVC100Q**	Q2	15-Arm	6 7/32	3 1/2	63/64	1 47/64	4 1/8	3/4	2 3/4	9/32	56.0
10.6	11.00	8 13/16	**4MVC106Q**	Q2	15-Arm	6 7/32	3 1/2	63/64	1 47/64	4 1/8	3/4	2 3/4	9/32	56.5
11.0	11.40	9 1/4	**4MVC110Q**	Q2	15-Arm	6 7/32	3 1/2	63/64	1 47/64	4 1/8	3/4	2 3/4	9/32	56.0
12.0	12.40	10 1/4	**4MVC120R**	R2	15-Arm	6 17/64	4 7/8	15/64	1 7/64	5 3/8	7/8	4	9/32	71.0
13.0	13.40	11 1/4	**4MVC130R**	R2	15-Arm	6 17/64	4 7/8	15/64	1 7/64	5 3/8	7/8	4	9/32	72.5
14.0	14.40	12 5/16	**4MVC140R**	R2	15-Arm	6 17/64	4 7/8	15/64	1 7/64	5 3/8	7/8	4	9/32	80.0
16.0	16.40	14 3/16	**4MVC160R**	R2	15-Arm	6 17/64	4 7/8	15/64	1 7/64	5 3/8	7/8	4	9/32	93.0
18.0	18.40	16 3/8	**4MVC180R**	R2	15-Arm	6 17/64	4 7/8	15/64	1 7/64	5 3/8	7/8	4	9/32	105
20.0	20.40	18 3/16	**4MVC200R**	R2	15-Arm	6 17/64	4 7/8	15/64	1 7/64	5 3/8	7/8	4	9/32	115
24.0	24.40	22 3/16	**4MVC240R**	R2	15-Arm	6 17/64	4 7/8	15/64	1 7/64	5 3/8	7/8	4	9/32	138
27.0	27.40	25 3/8	**4MVC270R**	R2	15-Arm	6 17/64	4 7/8	15/64	1 7/64	5 3/8	7/8	4	9/32	157
30.0	30.40	28 1/8	**4MVC300R**	R2	15-Arm	6 17/64	4 7/8	15/64	1 7/64	5 3/8	7/8	4	9/32	197
36.0	36.40	34 1/8	**4MVC360R**	R2	15-Arm	6 17/64	4 7/8	15/64	1 7/64	5 3/8	7/8	4	9/32	241
50.0	50.40	48 1/8	**4MVC500U**	U0	15-Arm	6 41/64	4 15/16	3/64	1 15/64	8 3/8	1 3/16	3 3/4	15/32	420

Bushing Bores

Table No. 2

Bushing No.	Bore Range
Q2	1" - 2 5/8"
R1	1 1/8 - 3 3/4
R2	1 3/8 - 3 5/8
U0	2 3/8 - 5 1/2

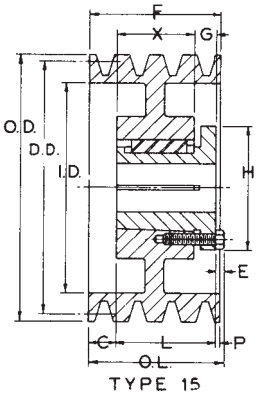
Standard Keyseats

Table No. 3

Bore Range	Keyseat	Bore Range	Keyseat
1 " - 1 1/4"	1/4" x 1/8	2 5/6" - 2 3/4	5/8" x 5/16"
1 5/16 - 1 3/8	5/16 x 5/32	2 13/16 - 3 1/4	3/4 x 3/8
1 7/16 - 1 3/4	3/8 x 3/16	3 3/8 - 3 3/4	7/8 x 7/16
1 13/16 - 2 1/4	1/2 x 1/4	3 7/8 - 4 1/2	1 x 1/2
		4 5/8 - 5 1/2	1 1/4 x 5/8

1 3/8" Bore Bushings (Except R2) also available with 3/8" x 3/16" Keyseat.

STOCK COMPANION SHEAVES for "C" BELTS



C

Table No. 1

Specifications

DIAMETERS		Inside	PART NUMBER		Type	DIMENSIONS								Wt.
Datum " C " Belts	Outside		Sheave	Bush-ing		O.L.	L	P	C	H	G	X	E	Less Bush.
5 GROOVES, F = 7 7/8"														
8.0"	8.40"	6 3/8"	**5MVC80R**	R2	15-Web	7 7/8"	4 7/8"	1 3/8"	1 5/8"	5 3/8"	7/8"	4"	9/32"	**54**
8.6	9.00	6 15/16	**5MVC86R**	R2	15-Web	7 7/8	4 7/8	1 3/8	1 5/8	5 3/8	7/8	4	9/32	**68**
9.0	9.40	7 3/16	**5MVC90R**	R2	15-Web	7 7/8	4 7/8	1 3/8	1 5/8	5 3/8	7/8	4	9/32	**72**
9.6	10.00	7 13/16	**5MVC96R**	R2	15-Web	7 7/8	4 7/8	1 3/8	1 5/8	5 3/8	7/8	4	9/32	**80**
10.0	10.40	8 3/16	**5MVC100R**	R2	15-Web	7 7/8	4 7/8	1 3/8	1 5/8	5 3/8	7/8	4	9/32	**82**
10.6	11.00	8 13/16	**5MVC106R**	R2	15-Web	7 7/8	4 7/8	1 3/8	1 5/8	5 3/8	7/8	4	9/32	**84**
11.0	11.40	9 5/16	**5MVC110R**	R2	15-Web	7 7/8	4 7/8	1 1/16	1 15/16	5 3/8	7/8	4	9/32	**86**
12.0	12.40	10 5/16	**5MVC120R**	R2	15-Web	7 7/8	4 7/8	1 1/16	1 15/16	5 3/8	7/8	4	9/32	**83**
13.0	13.40	11 5/16	**5MVC130R**	R2	15-Web	7 7/8	4 7/8	1 1/16	1 15/16	5 3/8	7/8	4	9/32	**93**
14.0	14.40	12 5/6	**5MVC140R**	R2	15-Arm	7 7/8	4 7/8	1 1/16	1 15/16	5 3/8	7/8	4	9/32	**98**
16.0	16.40	14 3/16	**5MVC160R**	R2	15-Arm	7 7/8	4 7/8	1 1/16	1 15/16	5 3/8	7/8	4	9/32	**110**
18.0	18.40	16 3/8	**5MVC180S**	S2	15-Arm	8 7/32	6 3/4	1/32	1 3/32	6 3/8	1 1/16	5 11/16	3/8	**156**
20.0	20.40	18 3/16	**5MVC200S**	S2	15-Arm	8 7/32	6 3/4	1/32	1 3/32	6 3/8	1 1/16	5 11/16	3/8	**181**
24.0	24.40	22 3/16	**5MVC240S**	S2	15-Arm	8 7/32	6 3/4	1/32	1 3/32	6 3/8	1 1/16	5 11/16	3/8	**213**
27.0	27.40	25 3/8	**5MVC270S**	S2	15-Arm	8 7/32	6 3/4	1/32	1 3/32	6 3/8	1 1/16	5 11/16	3/8	**235**
30.0	30.40	28 1/8	**5MVC300S**	S2	15-Arm	8 7/32	6 3/4	1/32	1 3/32	6 3/8	1 1/16	5 11/16	3/8	**250**
36.0	36.40	34 1/8	**5MVC360S**	S2	15-Arm	8 7/32	6 3/4	1/32	1 3/32	6 3/8	1 1/16	5 11/16	3/8	**327**
44.0	44.40	42 1/8	**5MVC440U**	U0	15-Arm	7 7/8	4 15/16	7/8	2 1/16	8 3/8	1 3/16	3 3/4	15/32	**384**
50.0	50.40	48 1/8	**5MVC500U**	U0	15-Arm	7 7/8	4 15/16	7/8	2 1/16	8 3/8	1 3/16	3 3/4	15/32	**410**
6 GROOVES, F = 9 17/32"														
8.0"	8.40"	6 1/4"	**6MVC80R**	R2	15-Web	9 17/32"	4 7/8"	3 1/32	1 5/8"	5 3/8"	7/8"	4"	9/32"	**63**
10.6	11.00	8 13/16	**6MVC106R**	R2	15-Web	9 17/32	4 7/8	3 1/32	1 5/8	5 3/8	7/8	4	9/32	**93**
11.0	11.40	9 1/4	**6MVC110R**	R2	15-Web	9 17/32	4 7/8	1 57/64	2 49/64	5 3/8	7/8	4	9/32	**99**
12.0	12.40	10 1/4	**6MVC120R**	R2	15-Web	9 17/32	4 7/8	1 57/64	2 49/64	5 3/8	7/8	4	9/32	**100**
14.0	14.40	12 5/16	**6MVC140R**	R2	15-Arm	9 17/32	4 7/8	1 57/64	2 49/64	5 3/8	7/8	4	9/32	**118**
16.0	16.40	14 3/16	**6MVC160R**	R2	15-Arm	9 17/32	4 7/8	1 57/64	2 49/64	5 3/8	7/8	4	9/32	**128**
18.0	18.40	16 3/8	**6MVC180S**	S2	15-Arm	9 17/32	6 3/4	55/64	1 59/64	6 3/8	1 1/16	5 11/16	3/8	**176**
20.0	20.40	18 3/16	**6MVC200S**	S2	15-Arm	9 17/32	6 3/4	55/64	1 59/64	6 3/8	1 1/16	5 11/16	3/8	**199**
24.0	24.40	22 3/16	**6MVC240S**	S2	15-Arm	9 17/32	6 3/4	55/64	1 59/64	6 3/8	1 1/16	5 11/16	3/8	**241**
36.0	36.40	34 1/8	**6MVC360S**	S2	15-Arm	9 17/32	6 3/4	55/64	1 59/64	6 3/8	1 1/16	5 11/16	3/8	**378**

Bushing Bores

Table No. 2

Bushing No.	Bore Range
R2	1 3/8" — 3 5/8"
S2	1 7/8 — 4 3/16
U0	2 3/8 — 5 1/2
U1	2 3/8 — 5 1/2

Standard Keyseats

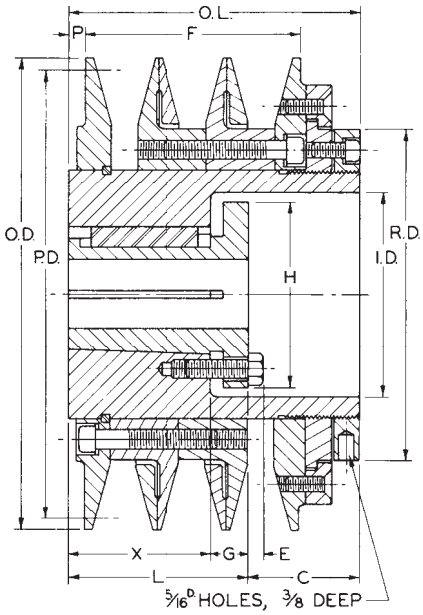
Table No. 3

Bore Range	Keyseat	Bore Range	Keyseat
1 3/8"	51/6" x 5/32"	2 13/16" - 3 1/4"	3/4 x 3/8"
1 7/16" — 1 3/4"	3/8 x 3/16	3 3/8 — 3 3/4	7/8 x 7/16
1 13/16 — 2 1/4	1/2 x 1/4	3 7/8 — 4 1/2	1 x 1/2
2 5/16 — 2 3/4	5/8 x 5/16	4 5/8 — 5 1/2	1 1/4 x 5/8

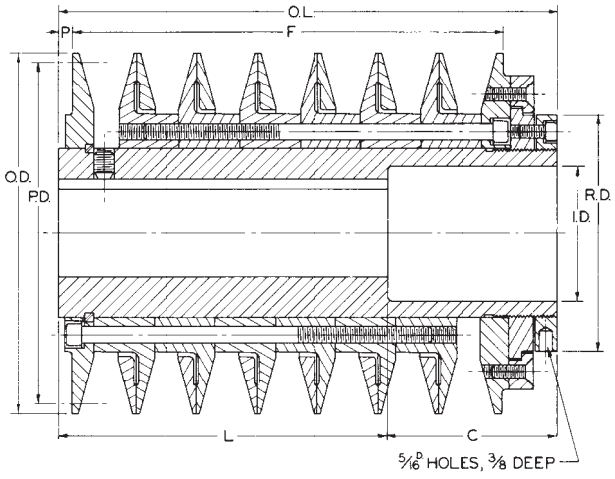
MVP® Sheaves for 358 Narrow GRIPBELTS® V-belts

The BROWNING® MVP® Sheave consists of a series of angular faced flanges which are bolted to a fixed flange and another series of angular faced flanges which are bolted to a threaded collar. When the threaded collar is turned clockwise it moves the angular faced flanges closer together causing the belts to ride higher in the groove, increasing the pitch diameter. When turned counter clockwise it moves the flanges apart allowing the belt to ride lower in the groove, decreasing the pitch diameter. The threaded flange is equipped with the BROWNING Patented Locking Collar so that when the desired pitch diameter is attained by turning the threaded collar the movable flanges can be securely locked in place. The pitch diameter is infinitely adjustable between the minimum setting. And..... ALL BROWNING® MVP® SHEAVES ARE DYNAMICALLY BALANCED.

- **More Power in less space.**
- **Smaller, lighter weight drives are possible.**
- **Bearing overhang is not as great as with conventional V-belts.**
- **More effectively utilize T-Frame motors.**



Bushing Type



Finished Bore Type

STOCK BUSHED TYPE AND FINISHED BORE MVP® SHEAVES for "5V" BELTS
DYNAMICALLY BALANCED

C

Table No. 1

Specifications — Bushing Type

DIAMETERS				PART NUMBERS		DIMENSIONS										Wt. Less Bush.
Pitch Range " 5V " Belts	Out-side	In-side	Ring (R.D.)	Sheave	Bush-ing*	O.L.	F Max.	F Min.	L	C	H	G	X	P	E	
3 GROOVES																
8.1" - 9.5 "	9.6"	4 7/16"	6 1/2"	**3MVP815V95Q**	Q2	4 3/4"	3 1/2"	3 1/8"	3 1/2"	1 1/4"	4 1/8"	3/4"	2 3/4"	7/32"	9/32"	43.0
9.1 - 10.5	10.6	4 7/16"	6 1/2	**3MVP915V105Q**	Q2	4 3/4	3 1/2	3 1/8	3 1/2	1 1/4	4 1/8	3/4	2 3/4	7/32	9/32	55.0
10.1 - 11.5	11.6	4 7/16"	6 1/2	**3MVP1015V115Q**	Q2	4 3/4	3 1/2	3 1/8	3 1/2	1 1/4	4 1/8	3/4	2 3/4	7/32	9/32	70.0
11.1 - 12.5	12.6	4 7/16"	6 1/2	**3MVP1115V125Q**	Q2	4 3/4	3 1/2	3 1/8	3 1/2	1 1/4	4 1/8	3/4	2 3/4	7/32	9/32	88.0

***Bore Range of " Q2 " Bushing is 1" — 2 5/8".**

Table No. 2

Specifications - Finished Bore Type

DIAMETERS				Part Numbers	DIMENSIONS				STOCK BORES MARKED " X "						Wt. Lbs.
Pitch Range " 5V " Belts	Out-side	In-side	Ring (R.D.)		O.L.	F Max.	F Min.	P	1 7/8"	2 1/8"	2 3/8"	2 7/8"	3 3/8"	3 7/8"	
4 GROOVES															
8.1" - 9.5 "	9.6"	4 7/16"	6 1/2"	**4MVP815V95**	5 7/8"	4 5/8"	4 1/4"	7/32"	—	x	x	—	—	—	65.0
9.1 - 10.5	10.6	4 7/16"	6 1/2	**4MVP915V105**	5 7/8	4 5/8	4 1/4	7/32	—	x	x	—	—	—	77.0
10.1 - 11.5	11.6	4 7/16"	6 1/2	**4MVP1015V115**	5 7/8	4 5/8	4 1/4	7/32	—	—	x	x	—	—	88.0
11.1 - 12.5	12.6	4 7/16"	6 1/2	**4MVP1115V125**	5 7/8	4 5/8	4 1/4	7/32	—	—	—	x	—	—	100
5 GROOVES															
8.1" - 9.5 "	9.6"	4 7/16"	6 1/2"	**5MVP815V95**	7"	5 3/4"	5 3/8"	7/32"	—	—	x	x	—	—	75.0
9.1 - 10.5	10.6	4 7/16"	6 1/2	**5MVP915V105**	7	5 3/4	5 3/8	7/32	—	—	x	x	—	—	87.0
10.1 - 11.5	11.6	4 7/16"	6 1/2	**5MVP1015V115**	7	5 3/4	5 3/8	7/32	—	—	—	x	x	—	100
11.1 - 12.5	12.6	4 7/16"	6 1/2	**5MVP1115V125**	7	5 3/4	5 3/8	7/32	—	—	—	x	x	—	120
6 GROOVES															
8.1" - 9.5 "	9.6"	4 7/16"	6 1/2"	**6MVP815V95**	8 1/8"	6 7/8"	6 1/2"	7/32"	—	—	x	x	—	—	80.0
9.1 - 10.5	10.6	4 7/16"	6 1/2	**6MVP915V105**	8 1/8	6 7/8	6 1/2	7/32	—	—	x	x	x	—	99.0
10.1 - 11.5	11.6	4 7/16"	6 1/2	**6MVP1015V115**	8 1/8	6 7/8	6 1/2	7/32	—	—	—	x	x	—	110
11.1 - 12.5	12.6	4 7/16"	6 1/2	**6MVP1115V125**	8 1/8	6 7/8	6 1/2	7/32	—	—	—	x	x	—	135
8 GROOVES															
8.1" - 9.5 "	9.6"	4 7/16"	6 1/2"	**8MVP815V95**	10 3/8"	9 1/8"	8 3/4"	7/32"	—	—	—	x	x	—	102
9.1 - 10.5	10.6	4 7/16"	6 1/2	**8MVP915V105**	10 3/8	9 1/8	8 3/4	7/32	—	—	—	x	x	—	123
10.1 - 11.5	11.6	4 7/16"	6 1/2	**8MVP1015V115**	10 3/8	9 1/8	8 3/4	7/32	—	—	—	x	x	—	147
11.1 - 12.5	12.6	4 7/16"	6 1/2	**8MVP1115V125**	10 3/8	9 1/8	8 3/4	7/32	—	—	—	—	x	—	171
10 GROOVES															
8.1" - 9.5 "	9.6"	4 7/16"	6 1/2"	**10MVP815V95**	12 5/8"	11 3/8"	11"	7/32"	—	—	—	—	x	—	120
9.1 - 10.5	10.6	4 7/16"	6 1/2	**10MVP915V105**	12 5/8	11 3/8	11	7/32	—	—	—	—	x	—	148
10.1 - 11.5	11.6	4 7/16"	6 1/2	**10MVP1015V115**	12 5/8	11 3/8	11	7/32	—	—	—	—	x	x	175
11.1 - 12.5	12.6	4 7/16"	6 1/2	**10MVP1115V125**	12 5/8	11 3/8	11	7/32	—	—	—	—	x	x	205

Browning Finished Bore "MVP" Sheaves are furnished with standard keyseats and two hollow head set screws. Pitch diameter is indefinitely adjustable within the pitch range, .233" change per turn of the adjusting ring.

Standard Keyseats

Table No. 3

Bore	Keyseat
1" — 1 1/4"	1/4" x 1/8"
1 5/16 — 1 3/8	5/16 x 5/32
1 7/16 — 1 3/4	3/8 x 3/16
1 13/16 — 2 1/4	1/2 x 1/4
2 5/16 — 2 5/8	5/8 x 5/16
2 7/8	3/4 x 3/8
3 3/8	7/8 x 7/16

1 3/8" Bore is also available with 3/8" x 3/16" Kw.

Table No. 4

" L " and " C " Dimensions

NO. GROOVES	BORES									
	1 7/8"		2 1/8"		2 3/8"		2 7/8"		3 3/8"	
	L	C	L	C	L	C	L	C	L	C
4	4 3/8"	1 1/2"	5"	7/8"	5 5/8"	1/4"	5 7/8"	0	—	—
5	—	—	5	2	5 5/8	1 3/8	6 3/8	5/8"	6 3/8"	5/8"
6	—	—	5	3 1/8	5 5/8	2 1/2	6 3/8	1 3/4"	6 3/8	1 3/4
8	—	—	—	—	5 5/8	4 3/4	7	3 3/8	8 1/4	2 1/8
10	—	—	—	—	—	—	7	5 3/8	8 1/4	4 3/8

Dimensions shown above are for sheaves with Number of Grooves and Bore indicated; for example, a 6MVP815V95 x 2 1/8 Sheave has a 5" "L" Dimension and 3 1/8" "C" Dimension.

STOCK COMPANION SHEAVES for "5V" BELTS

Bushing Bores

Table No. 1

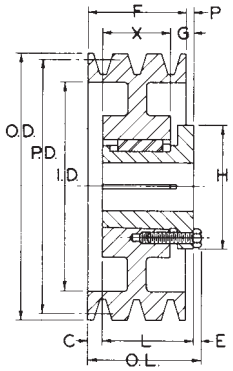
Bushing No.	Bore Range
R1	1 1/8" - 3 3/4"
S1	1 11/16 - 4 1/4
U0	2 3/8 - 5 1/2

Standard Keyseats

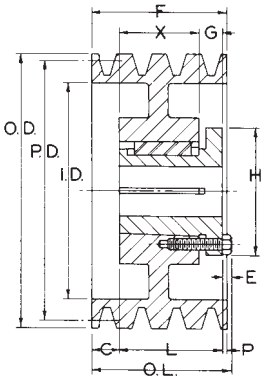
Table No. 2

Bore Range	Keyseat
1 1/8" to 1 1/4"	1/4" x 1/8"
1 5/16 to 1 3/8	5/16 x 5/32
1 7/16 to 1 3/4	3/8 x 3/16
1 13/16 to 2 1/4	1/2 x 1/4
2 5/16 to 2 3/4	5/8 x 5/16
2 13/16 to 3 1/4	3/4 x 3/8
3 3/8 to 3 3/4	7/8 x 7/16
3 7/8 to 4 1/2	1 x 1/2
4 5/8 to 5 1/2	1 1/4 x 5/8

1 3/8" Bore Bushings (Except R2) also available with 3/8" x 3/16" Keyseat.



Type 13



Type 15

C

Specifications

Table No. 3

DIAMETERS			PART NUMBER		Type	DIMENSIONS								
Pitch " 5V " Belts	Outside	Inside	Sheave	Bush-ing		O.L.	L	P	C*	H	G	X	E	Wt. Less Bush.
3 GROOVES, F = 3 1/4"														
7.90"	8.00"	6 1/4"	**3MV5V80R**	R1	13-Web	3 25/32"	2 7/8"	1/4"	5/8"	5 3/8"	7/8"	2"	9/32"	22.2
8.40	8.50	6 3/4	**3MV5V85R**	R1	13-Web	3 25/32	2 7/8	1/4	5/8	5 3/8	7/8	2	9/32	26.2
8.90	9.00	7 1/4	**3MV5V90R**	R1	13-Web	3 25/32	2 7/8	1/4	5/8	5 3/8	7/8	2	9/32	25.6
9.15	9.25	7 3/8	**3MV5V92R**	R1	13-Web	3 25/32	2 7/8	1/4	5/8	5 3/8	7/8	2	9/32	27.6
9.65	9.75	7 7/8	**3MV5V97R**	R1	13-Web	3 25/32	2 7/8	1/4	5/8	5 3/8	7/8	2	9/32	29.8
10.20	10.30	8 7/16	**3MV5V103R**	R1	13-Web	3 25/32	2 7/8	1/4	5/8	5 3/8	7/8	2	9/32	32.2
10.80	10.90	9	**3MV5V109R**	R1	13-Web	3 25/32	2 7/8	1/4	5/8	5 3/8	7/8	2	9/32	35.4
11.70	11.80	10	**3MV5V118R**	R1	13-Web	3 25/32	2 7/8	1/4	5/8	5 3/8	7/8	2	9/32	38.9
12.40	12.50	10 3/4	**3MV5V125R**	R1	13-Web	3 25/32	2 7/8	1/4	5/8	5 3/8	7/8	2	9/32	41.9
13.10	13.20	11 7/16	**3MV5V132R**	R1	13-Arm	3 25/32	2 7/8	1/4	5/8	5 3/8	7/8	2	9/32	34.9
13.90	14.00	12 1/4	**3MV5V140R**	R1	13-Arm	3 25/32	2 7/8	1/4	5/8	5 3/8	7/8	2	9/32	37.6
14.90	15.00	13 1/4	**3MV5V150R**	R1	13-Arm	3 25/32	2 7/8	1/4	5/8	5 3/8	7/8	2	9/32	41.6
15.90	16.00	14 1/4	**3MV5V160R**	R1	13-Arm	3 25/32	2 7/8	1/4	5/8	5 3/8	7/8	2	9/32	45.7
17.90	18.00	16 1/4	**3MV5V180R**	R1	13-Arm	3 25/32	2 7/8	1/4	5/8	5 3/8	7/8	2	9/32	51.5
19.90	20.00	18 1/4	**3MV5V200R**	R1	13-Arm	3 25/32	2 7/8	1/4	5/8	5 3/8	7/8	2	9/32	55.0
21.10	21.20	19 3/8	**3MV5V212S**	S1	13-Arm	4 3/4	4 3/8	1 3/32	1/32 **P**	6 3/8	1 1/16	3 5/16	3/8	90.5
23.90	24.00	22 1/4	**3MV5V240S**	S1	13-Arm	4 3/4	4 3/8	1 3/32	1/32 **P**	6 3/8	1 1/16	3 5/16	3/8	99.2
27.90	28.00	26 1/4	**3MV5V280S**	S1	13-Arm	4 3/4	4 3/8	1 3/32	1/32 **P**	6 3/8	1 1/16	3 5/16	3/8	110
29.90	30.00	28 1/4	**3MV5V300S**	S1	13-Arm	4 3/4	4 3/8	1 3/32	1/32 **P**	6 3/8	1 1/16	3 5/16	3/8	122
37.40	37.50	35 3/4	**3MV5V375U**	U0	13-Arm	5 13/32	4 15/16	1 7/16	1/4 **P**	8 3/8	1 3/16	3 3/4	15/32	179
43.90	44.00	42 1/4	**3MV5V440U**	U0	13-Arm	5 13/32	4 15/16	1 7/16	1/4 **P**	8 3/8	1 3/16	3 3/4	15/32	207
49.90	50.00	48 1/4	**3MV5V500U**	U0	13-Arm	5 13/32	4 15/16	1 7/16	1/4 **P**	8 3/8	1 3/16	3 3/4	15/32	233
4 GROOVES, F = 4 3/8"														
7.90"	8.00"	6 1/4"	**4MV5V80R**	R1	15-Web	4 3/8"	2 7/8"	5/16"	1 3/16"	5 3/8"	7/8"	2"	9/32"	27.0
8.40	8.50	6 3/4	**4MV5V85R**	R1	15-Web	4 3/8	2 7/8	5/16	1 3/16	5 3/8	7/8	2	9/32	30.9
8.90	9.00	7 1/4	**4MV5V90R**	R1	15-Web	4 3/8	2 7/8	5/16	1 3/16	5 3/8	7/8	2	9/32	30.8
9.15	9.25	7 3/8	**4MV5V92R**	R1	15-Web	4 3/8	2 7/8	5/16	1 3/16	5 3/8	7/8	2	9/32	33.5
9.65	9.75	7 7/8	**4MV5V97R**	R1	15-Web	4 3/8	2 7/8	5/16	1 3/16	5 3/8	7/8	2	9/32	36.0
10.20	10.30	8 7/16	**4MV5V103R**	R1	15-Web	4 3/8	2 7/8	5/16	1 3/16	5 3/8	7/8	2	9/32	38.0
10.80	10.90	9	**4MV5V109R**	R1	15-Web	4 3/8	2 7/8	5/16	1 3/16	5 3/8	7/8	2	9/32	42.5
11.70	11.80	10	**4MV5V118R**	R1	15-Web	4 3/8	2 7/8	5/16	1 3/16	5 3/8	7/8	2	9/32	46.1
12.40	12.50	10 3/4	**4MV5V125R**	R1	15-Web	4 3/8	2 7/8	5/16	1 3/16	5 3/8	7/8	2	9/32	53.5
13.10	13.20	11 7/16	**4MV5V132R**	R1	15-Arm	4 3/8	2 7/8	5/16	1 3/16	5 3/8	7/8	2	9/32	42.9
13.90	14.00	12 1/4	**4MV5V140R**	R1	15-Arm	4 3/8	2 7/8	5/16	1 3/16	5 3/8	7/8	2	9/32	46.1
14.90	15.00	13 1/4	**4MV5V150R**	R1	15-Arm	4 3/8	2 7/8	5/16	1 3/16	5 3/8	7/8	2	9/32	50.7
15.90	16.00	14 1/4	**4MV5V160R**	R1	15-Arm	4 3/8	2 7/8	5/16	1 3/16	5 3/8	7/8	2	9/32	55.4
17.90	18.00	16 1/4	**4MV5V180R**	R1	15-Arm	4 3/8	2 7/8	5/16	1 3/16	5 3/8	7/8	2	9/32	64.2
19.90	20.00	18 1/4	**4MV5V200R**	R1	15-Arm	4 3/8	2 7/8	5/16	1 3/16	5 3/8	7/8	2	9/32	73.8
21.10	21.20	19 3/8	**4MV5V212S**	S1	13-Arm	5 9/32	4 3/8	17/32	17/32	6 3/8	1 1/16	3 5/16	3/8	104
23.90	24.00	22 1/4	**4MV5V240S**	S1	13-Arm	5 9/32	4 3/8	17/32	17/32	6 3/8	1 1/16	3 5/16	3/8	114
27.90	28.00	26 1/4	**4MV5V280S**	S1	13-Arm	5 9/32	4 3/8	17/32	17/32	6 3/8	1 1/16	3 5/16	3/8	140
29.90	30.00	28 1/4	**4MV5V300S**	S1	13-Arm	5 9/32	4 3/8	17/32	17/32	6 3/8	1 1/16	3 5/16	3/8	151
37.40	37.50	35 3/4	**4MV5V375U**	U0	13-Arm	5 23/32	4 15/16	7/8	5/16	8 3/8	1 3/16	3 3/4	15/32	209
43.90	44.00	42 1/4	**4MV5V440U**	U0	13-Arm	5 23/32	4 15/16	7/8	5/16	8 3/8	1 3/16	3 3/4	15/32	252
49.90	50.00	48 1/4	**4MV5V500U**	U0	13-Arm	5 23/32	4 15/16	7/8	5/16	8 3/8	1 3/16	3 3/4	15/32	306

***"C" dimension followed by "P" indicates that the hub projects by the amount shown.**

STOCK COMPANION SHEAVES for "5V" BELTS

Bushing Bores

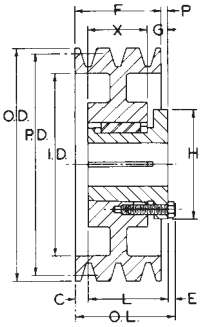
Table No. 1

Bushing No.	Bore Range
R2	1 3/8" - 3 5/8"
S1	1 11/16 - 4 1/4
S2	1 7/8 - 4 3/16
U0	2 3/8 - 5 1/2
U1	2 3/8 - 5 1/2

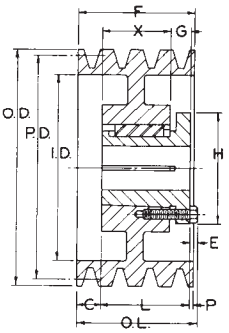
Standard Keyseats

Table No. 2

Bore Range	Keyseat
1 3/8"	5/16" x 5/32"
1 7/16" - 1 3/4"	3/8 x 3/16
1 13/16 - 2 1/4	1/2 x 1/4
2 5/16 - 2 3/4	5/8 x 5/16
2 13/16 - 3 1/4	3/4 x 3/8
3 3/8 - 3 3/4	7/8 x 7/16
3 7/8 - 4 1/2	1 x 1/2
4 5/8 - 5 1/2	1 1/4 x 5/8



TYPE 13



TYPE 15

Specifications

Table No. 3

DIAMETERS			PART NUMBER		Type	DIMENSIONS								Wt. Less Bush.
Pitch "5V" Belts	Out-side	In-side	Sheave	Bush-ing		O.L.	L	P	C	H	G	X	E	
5 GROOVES, F= 5 1/2 "														
7.90"	8.00"	6 1/4"	**5MV5V80R**	R2	13-Web	5 29/32"	4 7/8"	1/8"	3/4"	5 3/8"	7/8"	4"	9/32"	**41.0**
8.40	8.50	6 3/4	**5MV5V85R**	R2	13-Web	5 29/32	4 7/8	1/8	3/4	5 3/8	7/8	4	9/32	**47.9**
8.90	9.00	7 1/4	**5MV5V90R**	R2	13-Web	5 29/32	4 7/8	1/8	3/4	5 3/8	7/8	4	9/32	**44.2**
9.15	9.25	7 3/8	**5MV5V92R**	R2	13-Web	5 29/32	4 7/8	1/8	3/4	5 3/8	7/8	4	9/32	**48.6**
9.65	9.75	7 7/8	**5MV5V97R**	R2	13-Web	5 29/32	4 7/8	1/8	3/4	5 3/8	7/8	4	9/32	**51.6**
10.20	10.30	8 7/16	**5MV5V103R**	R2	13-Web	5 29/32	4 7/8	1/8	3/4	5 3/8	7/8	4	9/32	**55.2**
10.80	10.90	9	**5MV5V109R**	R2	13-Web	5 29/32	4 7/8	1/8	3/4	5 3/8	7/8	4	9/32	**60.0**
11.70	11.80	10	**5MV5V118S**	S1	15-Web	5 27/32	4 3/8	1/32	1 3/32	6 3/8	1 1/16	3 5/16	3/8	**71.6**
12.40	12.50	10 3/4	**5MV5V125S**	S1	15-Web	5 27/32	4 3/8	1/32	1 3/32	6 3/8	1 1/16	3 5/16	3/8	**79.2**
13.10	13.20	11 7/16	**5MV5V132S**	S1	15-Web	5 27/32	4 3/8	1/32	1 3/32	6 3/8	1 1/16	3 5/16	3/8	**81.5**
13.90	14.00	12 1/4	**5MV5V140S**	S1	15-Arm	5 27/32	4 3/8	1/32	1 3/32	6 3/8	1 1/16	3 5/16	3/8	**73.6**
14.90	15.00	13 1/4	**5MV5V150S**	S1	15-Arm	5 27/32	4 3/8	1/32	1 3/32	6 3/8	1 1/16	3 5/16	3/8	**78.4**
15.90	16.00	14 1/4	**5MV5V160S**	S1	15-Arm	5 27/32	4 3/8	1/32	1 3/32	6 3/8	1 1/16	3 5/16	3/8	**83.5**
17.90	18.00	16 1/4	**5MV5V180S**	S1	15-Arm	5 27/32	4 3/8	1/32	1 3/32	6 3/8	1 1/16	3 5/16	3/8	**95.4**
19.90	20.00	18 1/4	**5MV5V200S**	S1	15-Arm	5 27/32	4 3/8	1/32	1 3/32	6 3/8	1 1/16	3 5/16	3/8	**105**
21.10	21.20	19 3/8	**5MV5V212U**	U0	13-Arm	6 9/32	4 15/16	5/16	7/8	8 3/8	1 3/16	3 3/4	15/32	**135**
23.90	24.00	22 1/4	**5MV5V240U**	U0	13-Arm	6 9/32	4 15/16	5/16	7/8	8 3/8	1 3/16	3 3/4	15/32	**151**
27.90	28.00	26 1/4	**5MV5V280U**	U0	13-Arm	6 9/32	4 15/16	5/16	7/8	8 3/8	1 3/16	3 3/4	15/32	**186**
29.90	30.00	28 1/4	**5MV5V300U**	U0	13-Arm	6 9/32	4 15/16	5/16	7/8	8 3/8	1 3/16	3 3/4	15/32	**199**
37.40	37.50	35 3/4	**5MV5V375U**	U0	13-Arm	6 9/32	4 15/16	5/16	7/8	8 3/8	1 3/16	3 3/4	15/32	**239**
43.90	44.00	42 1/4	**5MV5V440U**	U0	13-Arm	6 9/32	4 15/16	5/16	7/8	8 3/8	1 3/16	3 3/4	15/32	**250**
49.90	50.00	48 1/4	**5MV5V500U**	U0	13-Arm	6 9/32	4 15/16	5/16	7/8	8 3/8	1 3/16	3 3/4	15/32	**325**
6 GROOVES, F= 6 5/8"														
7.90"	8.00"	6 1/4	**6MV5V80R**	R2	15-Web	6 5/8"	4 7/8"	7/16"	1 5/16"	5 3/8"	7/8"	4"	9/32"	**45.5**
8.40	8.50	6 3/4	**6MV5V85R**	R2	15-Web	6 5/8	4 7/8	7/16	1 5/16	5 3/8	7/8	4	9/32	**52.8**
8.90	9.00	7 1/4	**6MV5V90R**	R2	15-Web	6 5/8	4 7/8	7/16	1 5/16	5 3/8	7/8	4	9/32	**53.7**
9.15	9.25	7 3/8	**6MV5V92R**	R2	15-Web	6 5/8	4 7/8	7/16	1 5/16	5 3/8	7/8	4	9/32	**57.2**
9.65	9.75	7 7/8	**6MV5V97R**	R2	15-Web	6 5/8	4 7/8	7/16	1 5/16	5 3/8	7/8	4	9/32	**60.4**
10.20	10.30	8 7/16	**6MV5V103R**	R2	15-Web	6 5/8	4 7/8	7/16	1 5/16	5 3/8	7/8	4	9/32	**63.5**
10.80	10.90	9	**6MV5V109R**	R2	15-Web	6 5/8	4 7/8	7/16	1 5/16	5 3/8	7/8	4	9/32	**67.1**
11.70	11.80	10	**6MV5V118S**	S1	15-Web	6 5/8	4 3/8	19/32	1 21/32	6 3/8	1 1/16	3 5/16	3/8	**78.9**
12.40	12.50	10 3/4	**6MV5V125S**	S1	15-Web	6 5/8	4 3/8	7/8	1 3/8	6 3/8	1 1/16	3 5/16	3/8	**107**
13.10	13.20	11 7/16	**6MV5V132S**	S1	15-Web	6 5/8	4 3/8	1 1/2	3/4	6 3/8	1 1/16	3 5/16	3/8	**121**
13.90	14.00	12 1/4	**6MV5V140S**	S1	15-Web	6 5/8	4 3/8	1 1/2	3/4	6 3/8	1 1/16	3 5/16	3/8	**137**
14.90	15.00	13 1/4	**6MV5V150S**	S1	15-Web	6 5/8	4 3/8	1 1/2	3/4	6 3/8	1 1/16	3 5/16	3/8	**105**
15.90	16.00	14 1/4	**6MV5V160S**	S1	15-Web	6 5/8	4 3/8	1 1/2	3/4	6 3/8	1 1/16	3 5/16	3/8	**115**
17.90	18.00	16 1/4	**6MV5V180S**	S2	13-Arm	7 19/32	6 3/4	19/32	15/32	6 3/8	1 1/16	5 11/16	3/8	**125**
19.90	20.00	18 1/4	**6MV5V200S**	S2	13-Arm	7 19/32	6 3/4	19/32	15/32	6 3/8	1 1/16	5 11/16	3/8	**140**
21.10	21.20	19 3/8	**6MV5V212U**	U0	15-Arm	6 27/32	4 15/16	1/4	1 7/16	8 3/8	1 3/16	3 3/4	15/32	**149**
23.90	24.00	22 1/4	**6MV5V240U**	U0	15-Arm	6 27/32	4 15/16	1/4	1 7/16	8 3/8	1 3/16	3 3/4	15/32	**163**
27.90	28.00	26 1/4	**6MV5V280U**	U0	15-Arm	6 27/32	4 15/16	1/4	1 7/16	8 3/8	1 3/16	3 3/4	15/32	**195**
29.90	30.00	28 1/4	**6MV5V300U**	U0	15-Arm	6 27/32	4 15/16	1/4	1 7/16	8 3/8	1 3/16	3 3/4	15/32	**208**
37.40	37.50	35 3/4	**6MV5V375U**	U1	13-Arm	8 3/32	7 1/8	1	1/2	8 3/8	1 1/2	5 5/8	15/32	**288**
43.90	44.00	42 1/4	**6MV5V440U**	U1	13-Arm	8 3/32	7 1/8	1	1/2	8 3/8	1 1/2	5 5/8	15/32	**342**
49.90	50.00	48 1/4	**6MV5V500U**	U1	13-Arm	8 3/32	7 1/8	1	1/2	8 3/8	1 1/2	5 5/8	15/32	**382**

STOCK COMPANION SHEAVES for "5V" BELTS

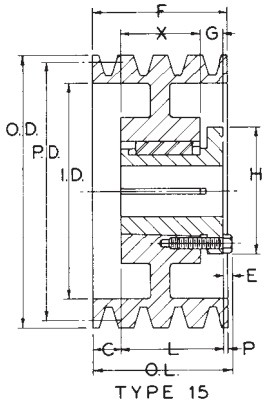


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Table No. 1

Specifications

DIAMETERS			PART NUMBER		Type	DIMENSIONS								Wt. Less Bush.
Pitch "5V" Belts	Out-side	In-side	Sheave	Bush-ing		O.L.	L	P	C	H	G	X	E	
8 GROOVES, F = 8 7/8"														
8.90"	9.00"	7 1/4"	**8MV5V90S**	S2	15-Web	8 7/8"	6 3/4"	17/32"	1 19/32"	6 3/8"	1 1/16"	5 11/16"	3/8"	**77**
9.15	9.25	7 3/8	**8MV5V92S**	S2	15-Web	8 7/8	6 3/4	17/32	1 19/32	6 3/8	1 1/16	5 11/16	3/8	**84**
9.65	9.75	7 7/8	**8MV5V97S**	S2	15-Web	8 7/8	6 3/4	17/32	1 19/32	6 3/8	1 1/16	5 11/16	3/8	**95**
10.20	10.30	8 7/16	**8MV5V103S**	S2	15-Web	8 7/8	6 3/4	17/32	1 19/32	6 3/8	1 1/16	5 11/16	3/8	**109**
10.80	10.90	9	**8MV5V109S**	S2	15-Web	8 7/8	6 3/4	17/32	1 19/32	6 3/8	1 1/16	5 11/16	3/8	**125**
11.70	11.80	10	**8MV5V118S**	S2	15-Web	8 7/8	6 3/4	3/4	1 3/8	6 3/8	1 1/16	5 11/16	3/8	**148**
12.40	12.50	10 3/4	**8MV5V125S**	S2	15-Web	8 7/8	6 3/4	3/4	1 3/8	6 3/8	1 1/16	5 11/16	3/8	**168**
13.10	13.20	11 7/16	**8MV5V132S**	S2	15-Web	8 7/8	6 3/4	1 3/8	3/4	6 3/8	1 1/16	5 11/16	3/8	**190**
13.90	14.00	12 1/4	**8MV5V140S**	S2	15-Web	8 7/8	6 3/4	1 3/8	3/4	6 3/8	1 1/16	5 11/16	3/8	**216**
14.90	15.00	13 1/4	**8MV5V150S**	S2	15-Web	8 7/8	6 3/4	1 3/8	3/4	6 3/8	1 1/16	5 11/16	3/8	**150**
15.90	16.00	14 1/4	**8MV5V160S**	S2	15-Web	8 7/8	6 3/4	1 3/8	3/4	6 3/8	1 1/16	5 11/16	3/8	**162**
17.90	18.00	16 1/4	**8MV5V180S**	S2	15-Arm	8 7/8	6 3/4	17/32	1 19/32	6 3/8	1 1/16	5 11/16	3/8	**152**
19.90	20.00	18 1/4	**8MV5V200U**	U0	15-Arm	8 7/8	4 15/16	1 3/8	2 9/16	8 3/8	1 3/16	3 3/4	15/32	**164**
21.10	21.20	19 3/8	**8MV5V212U**	U1	15-Arm	9 7/32	7 1/8	1/8	1 5/8	8 3/8	1 1/2	5 5/8	15/32	**208**
23.90	24.00	22 1/4	**8MV5V240U**	U1	15-Arm	9 7/32	7 1/8	1/8	1 5/8	8 3/8	1 1/2	5 5/8	15/32	**227**
27.90	28.00	26 1/4	**8MV5V280U**	U1	15-Arm	9 7/32	7 1/8	1/8	1 5/8	8 3/8	1 1/2	5 5/8	15/32	**273**
29.90	30.00	28 1/4	**8MV5V300U**	U1	15-Arm	9 7/32	7 1/8	1/8	1 5/8	8 3/8	1 1/2	5 5/8	15/32	**286**
37.40	37.50	35 3/4	**8MV5V375U**	U1	15-Arm	9 7/32	7 1/8	1/8	1 5/8	8 3/8	1 1/2	5 5/8	15/32	**358**
43.90	44.00	42 1/4	**8MV5V440U**	U1	15-Arm	9 7/32	7 1/8	1/8	1 5/8	8 3/8	1 1/2	5 5/8	15/32	**416**
49.90	50.00	48 1/4	**8MV5V500U**	U1	15-Arm	9 7/32	7 1/8	1/8	1 5/8	8 3/8	1 1/2	5 5/8	15/32	**481**
10 GROOVES, F = 11 1/8"														
8.90"	9	7 1/4"	**10MV5V90S**	S2	15-Web	11 1/8"	6 3/4"	2 3/8"	2"	6 3/8"	1 1/16"	5 11/16"	3/8"	**88**
9.15	9.25	7 3/8	**10MV5V92S**	S2	15-Web	11 1/8	6 3/4	2 3/8	2	6 3/8	1 1/16	5 11/16	3/8	**96**
9.65	9.75	7 7/8	**10MV5V97S**	S2	15-Web	11 1/8	6 3/4	2 3/8	2	6 3/8	1 1/16	5 11/16	3/8	**108**
10.20	10.3	8 7/16	**10MV5V103S**	S2	15-Web	11 1/8	6 3/4	2 3/8	2	6 3/8	1 1/16	5 11/16	3/8	**122**
10.80	10.9	9	**10MV5V109S**	S2	15-Web	11 1/8	6 3/4	2 3/8	2	6 3/8	1 1/16	5 11/16	3/8	**139**
11.70	11.80	10	**10MV5V118S**	S2	15-Web	11 1/8	6 3/4	3	1 3/8	6 3/8	1 1/16	5 11/16	3/8	**163**
12.40	12.50	10 3/4	**10MV5V125U**	U1	15-Web	11 1/8	7 1/8	1 1/4	2 3/4	8 3/8	1 1/2	5 5/8	15/32	**166**
13.10	13.20	11 7/16	**10MV5V132U**	U1	15-Web	11 1/8	7 1/8	3	1	8 3/8	1 1/2	5 5/8	15/32	**189**
13.90	14.00	12 1/4	**10MV5V140U**	U1	15-Web	11 1/8	7 1/8	3	1	8 3/8	1 1/2	5 5/8	15/32	**215**
14.90	15.00	13 1/4	**10MV5V150U**	U1	15-Web	11 1/8	7 1/8	3	1	8 3/8	1 1/2	5 5/8	15/32	**251**
15.90	16.00	14 1/4	**10MV5V160U**	U1	15-Web	11 1/8	7 1/8	3	1	8 3/8	1 1/2	5 5/8	15/32	**289**
17.90	18.00	16 1/4	**10MV5V180U**	U1	15-Arm	11 1/8	7 1/8	1 1/4	2 3/4	8 3/8	1 1/2	5 5/8	15/32	**222**
19.90	20.00	18 1/4	**10MV5V200U**	U1	15-Arm	11 1/8	7 1/8	1 1/4	2 3/4	8 3/8	1 1/2	5 5/8	15/32	**244**
21.10	21.20	19 3/8	**10MV5V212U**	U1	15-Arm	11 1/8	7 1/8	1 1/4	2 3/4	8 3/8	1 1/2	5 5/8	15/32	**232**
23.90	24.00	22 1/4	**10MV5V240U**	U1	15-Arm	11 1/8	7 1/8	1 1/4	2 3/4	8 3/8	1 1/2	5 5/8	15/32	**252**
27.90	28.00	26 1/4	**10MV5V280U**	U1	15-Arm	11 1/8	7 1/8	1 1/4	2 3/4	8 3/8	1 1/2	5 5/8	15/32	**304**
29.90	30.00	28 1/4	**10MV5V300U**	U1	15-Arm	11 1/8	7 1/8	1 1/4	2 3/4	8 3/8	1 1/2	5 5/8	15/32	**334**
37.40	37.50	35 3/4	**10MV5V375U**	U1	15-Arm	11 1/8	7 1/8	1 1/4	2 3/4	8 3/8	1 1/2	5 5/8	15/32	**413**
43.90	44.00	42 1/4	**10MV5V440U**	U1	15-Arm	11 1/8	7 1/8	1 1/4	2 3/4	8 3/8	1 1/2	5 5/8	15/32	**548**
49.90	50.00	48 1/4	**10MV5V500U**	U1	15-Arm	11 1/8	7 1/8	1 1/4	2 3/4	8 3/8	1 1/2	5 5/8	15/32	**687**

Bushing Bores

Table No. 2

Bushing No.	Bore Range
S2	1 7/8" - 4 3/16"
U0	2 3/8 - 5 1/2
U1	2 3/8 - 5 1/2

Standard Keyseats

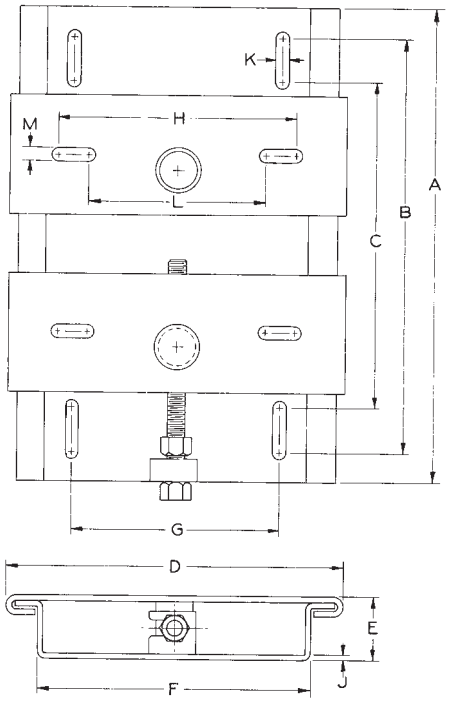
Table No. 3

Bore Range	Keyseat	Bore Range	Keyseat
1 7/8" - 2 1/4"	1/2" x 1/4"	3 3/8" - 3 3/4"	7/8" x 7/16"
2 5/16 - 2 3/4	5/8 x 5/16	3 7/8 - 4 1/2	1 x 1/2
2 13/16 - 3 1/4	3/4 x 3/8	4 5/8 - 5 1/2	1 1/4 x 5/8

Browning® Wide Range Variable Speed and MVP® Drives require provision for more take-up than normal V-Drives. The belt must be free of the sheave groove to allow for adjustment of pitch diameter. Also the drive must be adjusted to proper tension and seating of belts.

The use of Browning Sliding Motor Bases provides easy and rapid movement of the motor for making such adjustments. The adjusting screws can be quickly released, allowing maximum movement of the motor with only a few turns of the adjusting screws.

C

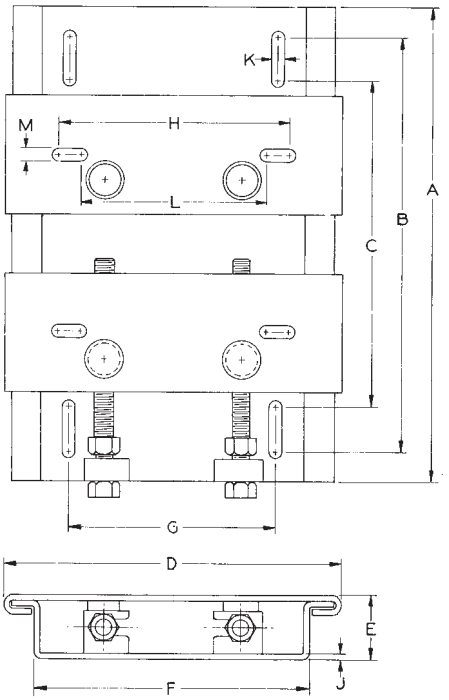


TYPE 1

REDESIGNED

ALL STEEL CONSTRUCTION

CADMIUM PLATED QUICK RELEASE ADJUSTING SCREWS



TYPE 2

Table No. 1

Specifications

Part No.	Motor Frame	Type	Adjustment	DIMENSIONS IN INCHES												Wt. Lbs
				A	B	C	D	E	F	G	H	J	K	L	M	
MB145TX	48 56 143T, 145T	1	5 1/4" 4 5/8 4	12"	10"	7"	8 1/32"	1 11/16"	6 3/4"	4"	5 3/4"	1/8"	7/16"	2 3/4"	7/16"	6
MB215TX	182, 182T 184, 184T 213, 213T 215, 215T	1	5 5 4 4	16	14	11	11 17/32	2 1/16	9 1/4	6 1/2	7	1/8	7/16	4	7/16	14
MB286TX	254T, 254U 256T, 256U 284T, 284U 286T, 286U	1	6 1/2 6 1/2 5 1/2 5 1/2	21	19	16 1/4	15 25/32	2 1/8	13 1/2	11 1/2	11	3/16	9/16	8 1/4	9/16	36
MB365TX	324T, 324U 326T, 326U 364T, 364U 365T, 365U	2	7 7 5 1/2 5 1/2	24	22	18	17 11/32	2 3/16	15	11 1/2	12 1/4	1/4	11/16	10 1/2	11/16	48

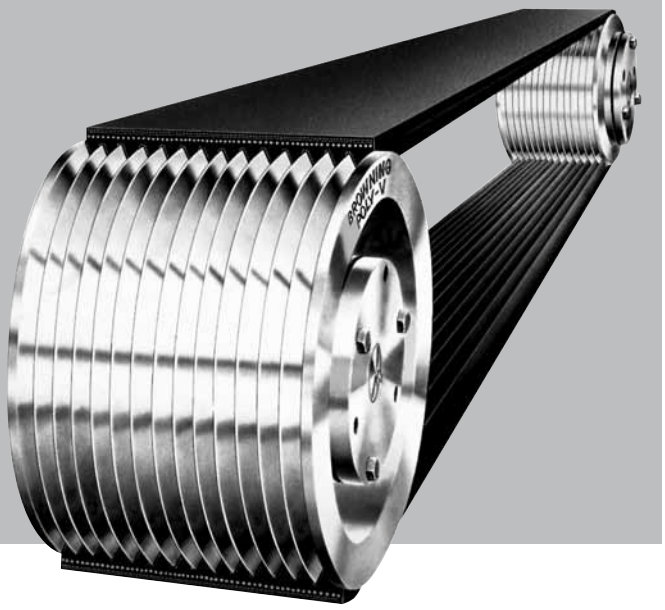
POLY-V* DRIVES

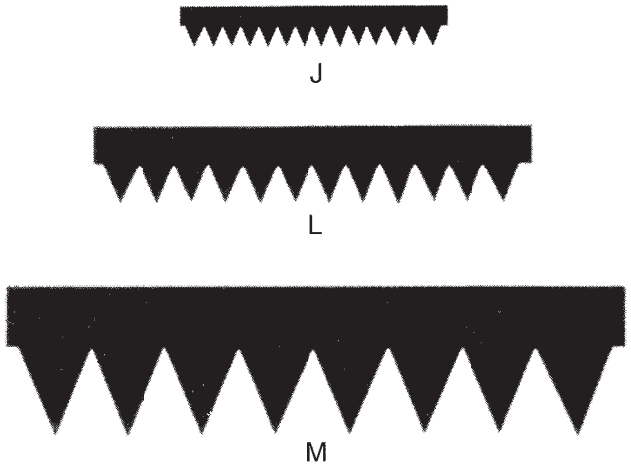
ALL THE ADVANTAGES OF V-BELTS. COMBINED WITH THE SIMPLICITY OF FLAT BELTS.

BROWNING® Poly-V* drives provide the best of all power transmission combinations: the superior driving force of multiple V-Belts without the matching problems associated with individual belts.

Poly-V drives pack more power in the same space... or the same power in less space. They deliver up to 30-50% more power than conventional V-belt assemblies of equal size. They can provide increased drive capacity when additional sheave width is not practical, or allow the use of narrower sheaves to furnish the same power output with a more compact drive. This also lessens drive weight, and can increase equipment life and reduce downtime.

A Poly-V belt is a single integrated assembly that provides even load distribution and uniform length of the individual belt segments. The one-piece design eliminates the close matching of individual belts that is required for optimum performance.



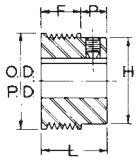


POLY-V* DRIVES

Cross Section		No. of Grooves	Pitch Diameter	Bore Range*	Belt Pitch Lengths
J	3-32" Rib Spacing	6	1.25 - 1.90"	FB 3/8 - 1"	18.0 - 98.0"
		6, 10, 16	2.00 - 10.60	3/8 - 2 11/16	
L	3/16" Rib Spacing	6, 8, 10, 12 14, 16, 20	3.00 - 30.00	1/2 - 3 3/4	50.0 - 145.5
M	3/8" Rib Spacing	6, 8, 10, 12 14, 16, 20	7.00 - 44.00	3/4 - 4 1/4	90.0 - 198.0

*FB = Finished Bore. Others are bushing type.

* Poly-V is believed to be the trademark and/or trade name of Veyance Technologies, Inc., and is not owned or controlled by Emerson Power Transmission.



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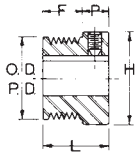

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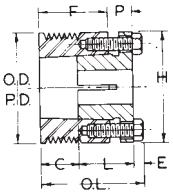

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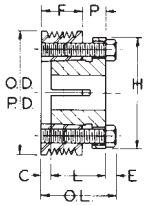

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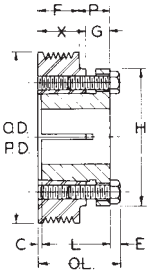

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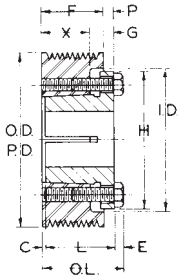

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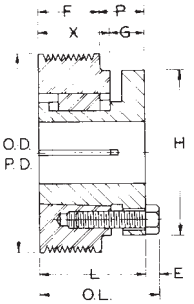

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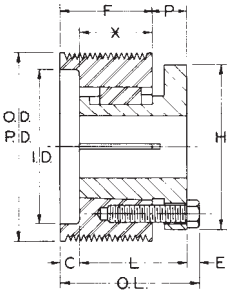

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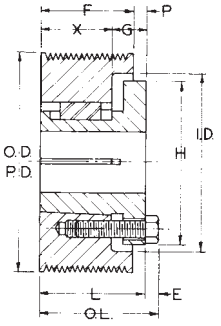

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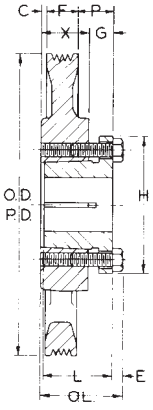

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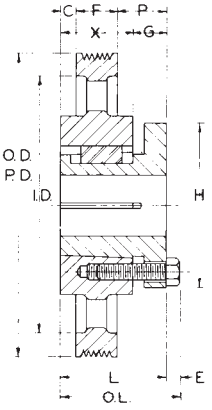

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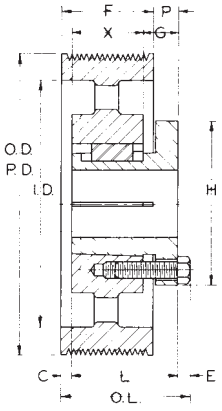


TYPE 12

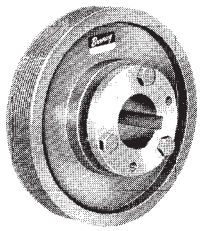
D

Specifications — Finished Bore Sheaves

Table No. 1

DIAMETERS O.D	DIAMETERS P.D	Part No.	Type	DIMENSIONS F	DIMENSIONS L	DIMENSIONS P	DIMENSIONS H	STOCK BORES MARKED "X" 1/2	5/8	3/4	7/8	1	Wt. Lbs.
6 GROOVES													
1.50"	1.50"	6J15	2	23/32"	1 3/16"	15/32"	1 1/2	x	x	—	—	—	.5
1.50	1.50	6J15	2	23/32	1 3/16	15/32	1 11/16	—	—	—	x	—	.5
1.60	1.60	6J16	1	23/32	1 3/16	15/32	1 9/16	x	x	—	—	—	.6
1.60	1.60	6J16	2	23/32	1 3/16	15/32	1 11/16	—	—	—	x	—	.5
1.60	1.60	6J16	2	23/32	1 3/16	15/32	1 7/8	—	—	—	—	x	.5
1.70	1.70	6J17	1	23/32	1 3/16	15/32	1 11/16	x	x	—	x	—	.6
1.70	1.70	6J17	2	23/32	1 3/16	15/32	1 7/8	—	—	—	—	x	.6
1.80	1.80	6J18	1	23/32	1 3/16	15/32	1 11/16	x	x	x	x	—	.7
1.80	1.80	6J18	2	23/32	1 3/16	15/32	1 7/8	—	—	—	—	x	.6
1.90	1.90	6J19	1	23/32	1 3/16	15/32	1 7/8	x	x	x	x	—	.9

Furnished with Keyseat and Hollow Head Set Screw, except 1/2" Bore has No Keyseat.



Bore Range

Table No. 1

Bushing	Bore Range
G	3/8" — 1"
H	3/8 — 1 1/2
P1	1/2 — 1 3/4
Q1	3/4 — 2 11/16

Standard Keyseats

Table No. 2

Bore Range	Keyseat	Bore Range	Keyseat
3/8" & 7/16"	None	1 5/16 " & 1 3/8"	5/16" x 5/32"
1/2 & 9/16	1/8" x 1/16"	1 7/16 to 1 3/4	3/8 x 3/16
5/8 to 7/8	3/16 x 3/32	1 13/16 to 2 1/4	1/2 x 1/4
15/16 to 1 1/4	1/4 x 1/8	2 5/16 to 2 11/16	5/8 x 5/16

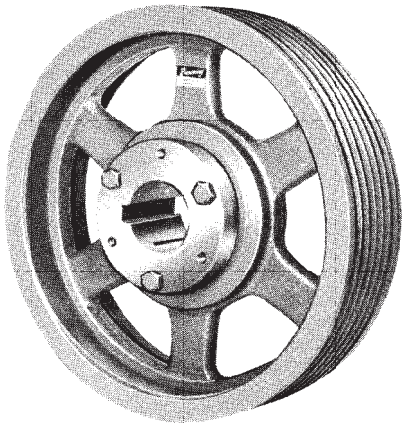
1 3/8" Bore Bushings also available with 3/8" x 3/16" Keyseat.

Specifications

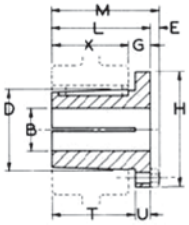
Table No. 3

DIAMETERS			PART NO.		TYPE	DIMENSIONS									Wt. Less Bush.
O.D	P.D	I.D	Sheave	Bushing		O.L	F	L	P	C	H	G	X	E	
6 GROOVES															
2.00	2.00"	—	6J20G	G	3	1 7/8"	1 1/4"	1"	7/16"	11/16"	2"	—	—	3/16"	.8
2.12	2.12	—	6J21G	G	4	1 3/8	3/4	1	7/16	3/16	2	—	—	3/16	.7
2.24	2.24	—	6J22G	G	4	1 3/8	3/4	1	7/16	3/16	2	—	—	3/16	.8
2.36	2.36	—	6J23G	G	4	1 3/8	3/4	1	7/16	3/16	2	—	—	3/16	.9
2.50	2.50	2 1/16"	6J25G	G	6	1 1/4	3/4	1	5/16	1/16	2	7/16"	5/8"	3/16	.7
2.65	2.65	2 1 /8	6J26G	G	6	1 1/4	3/4	1	5/16	1/16	2	7/16	5/8	3/16	.8
2.80	2.80	2 1/4	6J28G	G	6	1 1/4	3/4	1	5/16	1/16	2	7/16	5/8	3/16	.9
3.00	3.00	—	6J30H	H	5	1 1/2	3/4	1 1/4	9/16	1/16	2 1/2	7/16	7/8	3/16	1.2
3.15	3.15	—	6J31H	H	5	1 1/2	3/4	1 1/4	9/16	1/16	2 1/2	7/16	7/8	3/16	1.9
3.35	3.35	—	6J33H	H	5	1 1/2	3/4	1 1/4	9/16	1/16	2 1/2	7/16	7/8	3/16	2.1
4.50	4.50	—	6J45P	P1	7	2 3/16	3/4	1 15/16	1 3/16	—	3	5/8	1 5/16	1/4	3.1
6.00	6.00	5 1/4	6J60P	P1	10-Sol.	2 3/16	3/4	1 15/16	29/32	9/32	3	5/8	1 5/16	1/4	4.7
8.00	8.00	7	6J80P	P1	11-Arm	2 3/16	3/4	1 15/16	29/32	9/32	3	5/8	1 5/16	1/4	6.6
10.60	10.60	9 7/16	6J106P	P1	11-Arm	2 3/16	3/4	1 15/16	29/32	9/32	3	5/8	1 5/16	1/4	9.3
14.00	14.00	12 3/16	6J140Q	Q1	11-Arm	2 25/32	3/4	2 1/2	1 1/4	1/2	4 1/8	3/4	1 3/4	9/32	13.6
19.00	19.00	18 1/4	6J190Q	Q1	11-Arm	2 25/32	3/4	2 1/2	1 1/4	1/2	4 1/8	3/4	1 3/4	9/32	19.8
10 GROOVES															
2.00"	2.00"	—	10J20G	G	3	2 1/4"	1 5/8	1"	7/16"	1 1/16 "	2"	—	—	3/16"	1.0
2.12	2.12	—	10J21G	G	4	1 3/4	1 1/8	1	7/16	9/16	2	—	—	3/16	.8
2.24	2.24	—	10J22G	G	4	1 3/4	1 1/8	1	7/16	9/16	2	—	—	3/16	.9
2.36	2.36	—	10J23G	G	4	1 3/4	1 1/8	1	7/16	9/16	2	—	—	3/16	1.0
2.50	2.50	2 1/16"	10J25G	G	6	1 5/16	1 1/8	1	0	1/8	2	7/16"	11/16	3/16	.9
2.65	2.65	2 1/8	10J26G	G	6	1 5/16	1 1/8	1	0	1/8	2	7/16	11/16	3/16	1.1
2.80	2.80	2 1/4	10J28G	G	6	1 5/16	1 1/8	1	0	1/8	2	7/16	11/16	3/16	1.3
3.00	3.00	2 9/16	10J30H	H	6	1 1/2	1 1/8	1 1/4	3/16	1/16	2 1/2	7/16	7/8	3/16	1.5
3.15	3.15	2 5/8	10J31H	H	6	1 1/2	1 1/8	1 1/4	3/16	1/16	2 1/2	7/16	7/8	3/16	1.6
3.35	3.35	—	10J33P	P1	7	2 3/16	1 1/8	1 15/16	13/16	—	3	5/8	1 5/16	1/4	1.9
4.50	4.50	—	10J45P	P1	7	2 3/16	1 1/8	1 15/16	13/16	—	3	5/8	1 5/16	1/4	4.0
6.00	6.00	5 1/4	10J60P	P1	10-Sol.	2 3/16	1 1/8	1 15/16	23/32	3/32	3	5/8	1 5/16	1/4	5.4
8.00	8.00	7	10J80P	P1	10-Sol.	2 3/16	1 1/8	1 15/16	23/32	3/32	3	5/8	1 5/16	1/4	11.8
10.60	10.60	9 7/16	10J106Q	Q1	11-Arm	2 25/32	1 1/8	2 1/2	1 1/16	5/16	4 1/8	3/4	1 3/4	9/32	13.1
14.00	14.00	12 3/16	10J140Q	Q1	11-Arm	2 25/32	1 1/8	2 1/2	1 1/16	5/16	4 1/8	3/4	1 3/4	9/32	16.8
19.00	19.00	18 1/4	10J190Q	Q1	11-Arm	2 25/32	1 1/8	2 1/2	1 1/16	5/16	4 1/8	3/4	1 3/4	9/32	22.0
16 GROOVES															
2.50	2.50	2 1/16"	16J25G	G	6	1 27/32"	1 21/32	1"	0	21/32"	2	7/16"	1 7/32	3/16"	1.5
2.65	2.65	2 1 /8	16J26G	G	6	1 27/32	1 21/32	1	0	21/32	2	7/16	1 7/32	3/16	1.8
2.80	2.80	2 1/4	16J28G	G	6	1 27/32	1 21/32	1	0	21/32	2	7/16	1 7/32	3/16	2.0
3.00	3.00	2 9/16	16J30H	H	6	1 27/32	1 21/32	1 1/4	0	13/32	2 1/2	7/16	1 7/32	3/16	2.0
3.15	3.15	2 5/8	16J31H	H	6	1 27/32	1 21/32	1 1/4	0	13/32	2 1/2	7/16	1 7/32	3/16	2.3
3.35	3.35	2 13/16	16J33P	P1	8	2 17/32	1 21/32	1 15/16	5/8	11/32	3	—	1 5/16	1/4	2.5
4.50	4.50	3 3/4	16J45P	P1	9	2 3/16	1 21/32	1 15/16	9/32	0	3	5/8	1 5/16	1/4	5.2
6.00	6.00	5 1/4	16J60P	P1	12-Sol.	2 23/64	1 21/32	1 15/16	29/64	11/64	3	5/8	1 5/16	1/4	6.7
8.00	8.00	7	16J80Q	Q1	11-Arm	2 25/32	1 21/32	2 1/2	51/64	3/64	4 1/8	3/4	1 3/4	9/32	13.5
10.60	10.60	9 7/16	16J106Q	Q1	11-Arm	2 25/32	1 21/32	2 1/2	51/64	3/64	4 1/8	3/4	1 3/4	9/32	15.4
14.00	14.00	12 3/16	16J140Q	Q1	11-Arm	2 25/32	1 21/32	2 1/2	51/64	3/64	4 1/8	3/4	1 3/4	9/32	18.7
19.00	19.00	18 1/4	16J190Q	Q1	11-Arm	2 25/32	1 21/32	2 1/2	51/64	3/64	4 1/8	3/4	1 3/4	9/32	27.4

D



Accurately Machined
◆
Balanced
◆
Individually Packaged



Standard Keyseats

Table No. 1

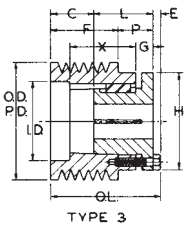
Bore Range	KeySeat
1/2" — 9/16"	1/8 x 1/16"
5/8 — 7/8	3/16 x 3/32
15/16 — 1 1/4	1/4 x 1/8
1 5/16 — 1 3/8	5/16 x 5/32
1 7/16 — 1 3/4	3/8 x 3/16
1 13/16 — 2 1/4	1/2 x 1/4
2 5/16 — 2 11/16	5/8 x 5/16

1 3/8 Bore Bushings also available with 3/8" x 3/16" Keyseat

Bushing Dimensions

Table No. 2

Part No.	Dimensions									Bore Range	Wt. Lbs.
	M	L	G	X	E	T	U	D	H		
P1	2 3/16"	1 15/16"	5/8"	1 5/16"	1/4"	1 17/32"	13/32"	1 15/16"	3"	1/2" — 1 3/4"	1 1/4
P2	3 3/16	2 15/16	5/8	2 5/16	1/4	2 17/32	13/32	1 15/16	3	3/4 — 1 3/4	1 1/2
Q1	2 25/32	2 1/2	3/4	1 3/4	9/32	1 31/32	17/32	2 7/8	4 1/8	3/4 — 2 11/16	3 1/2



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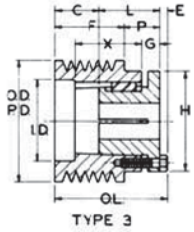

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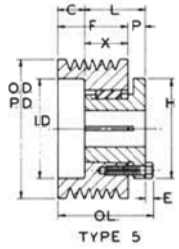

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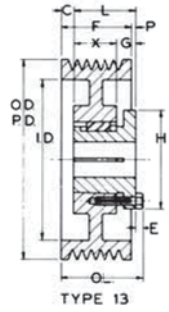

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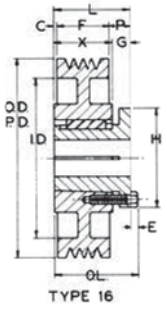


TYPE 16

Specifications — Stock "L" Sheaves

Table No. 3

DIAMETERS			6 GROOVES, F = 1 11/16"											
Pitch "L" Belts	Out-side	In-side	Part Number		Type	Dimensions								Wt. Less Bush.
			Sheave	Bush-ing		O.L	L	P	C	H	G	X	E	
3.0"	3.00"	—	6L30P	P1	2	3 1/8"	1 15/16"	1 3/16"	15/16"	3"	5/8"	2 1/4"	1/4"	2.1
3.2	3.20	—	6L32P	P1	2	3 1/8	1 15/16"	1 3/16	15/16	3	5/8	2 1/4	1/4	2.8
3.4	3.40	2 1/2	6L34P	P1	5	2 9/16	1 15/16	5/8	3/8	3	—	1 5/16	1/4	2.1
3.6	3.60	2 11/16	6L36P	P1	5	2 9/16	1 15/16	5/8	3/8	3	—	1 5/16	1/4	2.6
3.8	3.80	2 7/8	6L38P	P1	5	2 9/16	1 15/16	5/8	3/8	3	—	1 5/16	1/4	2.8
4.0	4.00	3 1/16	6L40P	P1	5	2 9/16	1 15/16	5/8	3/8	3	—	1 5/16	1/4	3.4
4.2	4.20	3 1/4	6L42P	P1	13-Sol.	2 3/16	1 15/16	1/4	0	3	5/8	1 5/16	1/4	3.9
4.4	4.40	3 1/2	6L44P	P1	13-Sol.	2 3/16	1 15/16	1/4	0	3	5/8	1 5/16	1/4	4.3
4.6	4.60	3 11/16	6L46P	P1	13-Sol.	2 3/16	1 15/16	1/4	0	3	5/8	1 5/16	1/4	4.8
4.8	4.80	3 7/8	6L48P	P1	13-Sol.	2 3/16	1 15/16	1/4	0	3	5/8	1 5/16	1/4	5.1
5.0	5.00	4 1/16	6L50P	P1	13-Web	2 3/16	1 15/16	1/4	0	3	5/8	1 5/16	1/4	5.8
5.2	5.20	4 1/4	6L52P	P1	13-Web	2 3/16	1 15/16	1/4	0	3	5/8	1 5/16	1/4	6.5
5.4	5.40	4 1/2	6L54P	P1	13-Web	2 3/16	1 15/16	1/4	0	3	5/8	1 5/16	1/4	7.0
5.6	5.60	4 11/16	6L56P	P1	13-Web	2 3/16	1 15/16	1/4	0	3	5/8	1 5/16	1/4	7.5
5.8	5.80	4 7/8	6L58P	P1	13-Web	2 3/16	1 15/16	1/4	0	3	5/8	1 5/16	1/4	6.1
6.0	6.00	5 1/16	6L60P	P1	13-Web	2 3/16	1 15/16	1/4	0	3	5/8	1 5/16	1/4	6.3
6.2	6.20	5 1/4	6L62P	P1	13-Web	2 3/16	1 15/16	1/4	0	3	5/8	1 5/16	1/4	6.8
6.4	6.40	5 1/2	6L64P	P1	13-Web	2 3/16	1 15/16	1/4	0	3	5/8	1 5/16	1/4	7.0
7.0	7.00	5 9/16	6L70Q	Q1	16-Arm	2 25/32	2 1/2	25/32	1/32	4 1/8	3/4	1 3/4	9/32	9.9
7.4	7.40	6	6L74Q	Q1	16-Arm	2 25/32	2 1/2	25/32	1/32	4 1/8	3/4	1 3/4	9/32	10.8
8.0	8.00	6 9/16	6L80Q	Q1	16-Arm	2 25/32	2 1/2	25/32	1/32	4 1/8	3/4	1 3/4	9/32	12.0
9.0	9.00	7 7/8	6L90Q	Q1	16-Arm	2 25/32	2 1/2	25/32	1/32	4 1/8	3/4	1 3/4	9/32	14.1
10.0	10.00	7 13/16	6L100Q	Q1	16-Arm	2 25/32	2 1/2	25/32	1/32	4 1/8	3/4	1 3/4	9/32	16.1
12.0	12.00	11	6L120Q	Q1	16-Arm	2 25/32	2 1/2	25/32	1/32	4 1/8	3/4	1 3/4	9/32	22.0
14.0	14.00	12 1/8	6L140Q	Q1	16-Arm	2 25/32	2 1/2	25/32	1/32	4 1/8	3/4	1 3/4	9/32	27.8
16.0	16.00	14 9/16	6L160Q	Q1	16-Arm	2 25/32	2 1/2	25/32	1/32	4 1/8	3/4	1 3/4	9/32	30.9
18.0	18.00	16 7/8	6L180Q	Q1	16-Arm	2 25/32	2 1/2	25/32	1/32	4 1/8	3/4	1 3/4	9/32	36.9
20.0	20.00	18 1/2	6L200Q	Q1	16-Arm	2 25/32	2 1/2	25/32	1/32	4 1/8	3/4	1 3/4	9/32	38.6
24.0	24.00	22 3/16	6L240Q	Q1	16-Arm	2 25/32	2 1/2	25/32	1/32	4 1/8	3/4	1 3/4	9/32	47.5
30.0	30.00	28 1/2	6L300Q	Q1	16-Arm	2 25/32	2 1/2	25/32	1/32	4 1/8	3/4	1 3/4	9/32	83.0

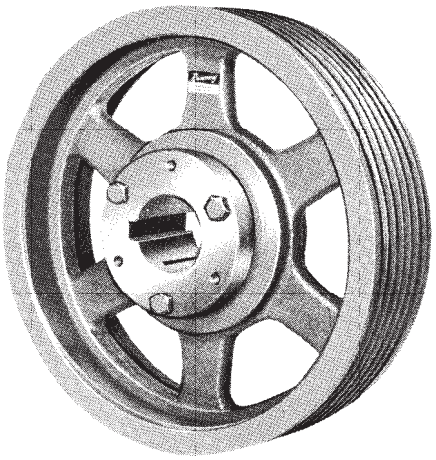
Table No. 1

Specifications — Stock "L" Sheaves

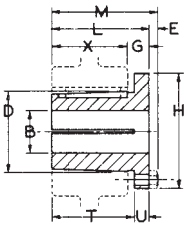
DIAMETERS			8 GROOVES, F = 2 1/16"											
Pitch "L" Belts	Out-side	In-side	Part Number		Type	Dimensions								Wt. Less Bush.
			Sheave	Bush-ing		O.L	L	P	C	H	G	X	E	
3.0"	3.00"	2 1/16	8L30P	P1	3	3 1/2"	1 15/16"	1 3/16"	1 5/16"	3"	5/8"	2 5/16	1/4"	2.5
3.2	3.20	2 1/4	8L32P	P1	3	3 1/2	1 15/16"	1 3/16	1 5/16	3	5/8	2 5/16	1/4	3.1
3.4	3.40	2 1/2	8L34P	P1	5	2 15/16	1 15/16	5/8	3/4	3	—	1 5/16	1/4	2.5
3.6	3.60	2 11/16	8L36P	P1	5	2 15/16	1 15/16	5/8	3/4	3	—	1 5/16	1/4	2.8
3.8	3.80	2 7/8	8L38P	P1	5	2 15/16	1 15/16	5/8	3/4	3	—	1 5/16	1/4	3.4
4.0	4.00	3 1/16	8L40P	P1	5	2 15/16	1 15/16	5/8	3/4	3	—	1 5/16	1/4	3.7
4.2	4.20	3 1/16	8L42P	P1	13-Sol.	2 5/16	1 15/16	0	1/8	3	5/8	1 5/16	1/4	4.3
4.4	4.40	3 1/2	8L44P	P1	13-Sol.	2 5/16	1 15/16	0	1/8	3	5/8	1 5/16	1/4	4.6
4.6	4.60	3 11/16	8L46P	P1	13-Sol.	2 5/16	1 15/16	0	1/8	3	5/8	1 5/16	1/4	5.1
4.8	4.80	3 7/8	8L48P	P1	13-Sol.	2 5/16	1 15/16	0	1/8	3	5/8	1 5/16	1/4	5.8
5.0	5.00	4 1/16	8L50P	P1	13-Web	2 5/16	1 15/16	0	1/8	3	5/8	1 5/16	1/4	6.5
5.2	5.20	4 1/4	8L52P	P1	13-Web	2 5/16	1 15/16	0	1/8	3	5/8	1 5/16	1/4	7.1
5.4	5.40	3 15/16	8L54P	P1	13-Web	2 5/16	1 15/16	0	1/8	3	5/8	1 5/16	1/4	8.0
5.6	5.60	4 11/16	8L56P	P1	13-Web	2 5/16	1 15/16	0	1/8	3	5/8	1 5/16	1/4	8.3
5.8	5.80	4 3/4	8L58P	P1	13-Web	2 5/16	1 15/16	0	1/8	3	5/8	1 5/16	1/4	6.7
6.0	6.00	5 1/16	8L60P	P1	13-Web	2 5/16	1 15/16	0	1/8	3	5/8	1 5/16	1/4	7.0
6.2	6.20	4 3/4	8L62P	P1	13-Web	2 5/16	1 15/16	0	1/8	3	5/8	1 5/16	1/4	7.5
6.4	6.40	4 15/16	8L64P	P1	13-Web	2 5/16	1 15/16	0	1/8	3	5/8	1 5/16	1/4	7.8
7.0	7.00	5 13/16	8L70Q	Q1	13-Web	2 15/16	2 1/2	19/32	5/32	4 1/8	3/4	1 3/4	9/32	10.8
7.4	7.40	6	8L74Q	Q1	13-Web	2 15/16	2 1/2	19/32	5/32	4 1/8	3/4	1 3/4	9/32	11.5
8.0	8.00	6 15/16	8L80Q	Q1	13-Arm	2 15/16	2 1/2	19/32	5/32	4 1/8	3/4	1 3/4	9/32	13.9
9.0	9.00	7 7/8	8L90Q	Q1	13-Arm	2 15/16	2 1/2	19/32	5/32	4 1/8	3/4	1 3/4	9/32	15.5
10.0	10.00	7 13/16	8L100Q	Q1	13-Arm	2 15/16	2 1/2	19/32	5/32	4 1/8	3/4	1 3/4	9/32	18.0
12.0	12.00	10 7/8	8L120Q	Q1	13-Arm	2 15/16	2 1/2	19/32	5/32	4 1/8	3/4	1 3/4	9/32	23.3
14.0	14.00	12 1/8	8L140Q	Q1	13-Arm	2 15/16	2 1/2	19/32	5/32	4 1/8	3/4	1 3/4	9/32	31.6
16.0	16.00	14 9/16	8L160Q	Q1	13-Arm	2 15/16	2 1/2	19/32	5/32	4 1/8	3/4	1 3/4	9/32	30.5
18.0	18.00	17	8L180Q	Q1	13-Arm	2 15/16	2 1/2	19/32	5/32	4 1/8	3/4	1 3/4	9/32	40.9
20.0	20.00	18 1/2	8L200Q	Q1	13-Arm	2 15/16	2 1/2	19/32	5/32	4 1/8	3/4	1 3/4	9/32	40.9
24.0	24.00	23	8L240Q	Q1	13-Arm	2 15/16	2 1/2	19/32	5/32	4 1/8	3/4	1 3/4	9/32	54.0
30.0	30.00	28 1/2	8L300Q	Q1	13-Arm	2 15/16	2 1/2	19/32	5/32	4 1/8	3/4	1 3/4	9/32	81.0

Table No. 2

DIAMETERS			10 GROOVES, F = 2 7/16"											
Pitch "L" Belts	Out-side	In-side	Part Number		Type	Dimensions								Wt. Less Bush.
			Sheave	Bush-ing		O.L	L	P	C	H	G	X	E	
3.0"	3.00"	2 1/16	10L30P	P2	3	3 7/8"	2 15/16"	1 3/16"	11/16"	3"	5/8"	2 5/16"	1/4"	2.8
3.2	3.20	2 1/4	10L32P	P2	3	3 7/8	2 15/16	1 3/16	11/16	3	5/8	2 5/16	1/4	3.5
3.4	3.40	2 1/2	10L34P	P1	5	3 5/16	1 15/16	5/8	1 1/8	3	—	1 5/16	1/4	2.8
3.6	3.60	2 11/16	10L36P	P1	5	3 5/16	1 15/16	5/8	1 1/8	3	—	1 5/16	1/4	3.3
3.8	3.80	2 1/4	10L38P	P1	5	3 5/16	1 15/16	5/8	1 1/8	3	—	1 5/16	1/4	3.8
4.0	4.00	3 1/16	10L40P	P1	5	3 5/16	1 15/16	5/8	1 1/8	3	—	1 5/16	1/4	4.3
4.2	4.20	3 1/4	10L42P	P1	13-Web	2 11/16	1 15/16	0	1/2	3	5/8	1 5/16	1/4	4.7
4.4	4.40	3 1/2	10L44P	P1	13-Web	2 11/16	1 15/16	0	1/2	3	5/8	1 5/16	1/4	5.1
4.6	4.60	3 11/16	10L46P	P1	13-Web	2 11/16	1 15/16	0	1/2	3	5/8	1 5/16	1/4	5.6
4.8	4.80	3 7/8	10L48P	P1	13-Web	2 11/16	1 15/16	0	1/2	3	5/8	1 5/16	1/4	6.3
5.0	5.00	4 1/16	10L50P	P1	13-Web	2 11/16	1 15/16	0	1/2	3	5/8	1 5/16	1/4	6.8
5.2	5.20	4 1/4	10L52P	P1	13-Web	2 11/16	1 15/16	0	1/2	3	5/8	1 5/16	1/4	7.5
5.4	5.40	4 1/2	10L54Q	Q1	13-Web	2 25/32	2 1/2	1/16	0	4 1/8	3/4	1 3/4	9/32	8.1
5.6	5.60	4 11/16	10L56Q	Q1	13-Web	2 25/32	2 1/2	1/16	0	4 1/8	3/4	1 3/4	9/32	8.8
5.8	5.80	4 7/8	10L58Q	Q1	13-Web	2 25/32	2 1/2	1/16	0	4 1/8	3/4	1 3/4	9/32	9.6
6.0	6.00	5 1/16	10L60Q	Q1	13-Web	2 25/32	2 1/2	1/16	0	4 1/8	3/4	1 3/4	9/32	10.4
6.2	6.20	5 1/4	10L62Q	Q1	13-Web	2 25/32	2 1/2	1/16	0	4 1/8	3/4	1 3/4	9/32	11.5
6.4	6.40	5 1/2	10L64Q	Q1	13-Web	2 25/32	2 1/2	1/16	0	4 1/8	3/4	1 3/4	9/32	11.9
7.0	7.00	5 9/16	10L70Q	Q1	13-Web	3 1/8	2 1/2	13/32	11/32	4 1/8	3/4	1 3/4	9/32	11.6
7.4	7.40	6	10L74Q	Q1	13-Web	3 1/8	2 1/2	13/32	11/32	4 1/8	3/4	1 3/4	9/32	12.3
8.0	8.00	6 9/16	10L80Q	Q1	13-Web	3 1/8	2 1/2	13/32	11/32	4 1/8	3/4	1 3/4	9/32	14.5
9.0	9.00	7 7/8	10L90Q	Q1	13-Arm	3 1/8	2 1/2	13/32	11/32	4 1/8	3/4	1 3/4	9/32	16.1
10.0	10.00	7 13/16	10L100Q	Q1	13-Arm	3 1/8	2 1/2	13/32	11/32	4 1/8	3/4	1 3/4	9/32	19.2
12.0	12.00	10 15/16	10L120Q	Q1	13-Arm	3 1/8	2 1/2	13/32	11/32	4 1/8	3/4	1 3/4	9/32	24.3
14.0	14.00	12 1/8	10L140Q	Q1	13-Arm	3 1/8	2 1/2	13/32	11/32	4 1/8	3/4	1 3/4	9/32	31.0
16.0	16.00	14 9/16	10L160Q	Q1	13-Arm	3 1/8	2 1/2	13/32	11/32	4 1/8	3/4	1 3/4	9/32	34.6
18.0	18.00	17	10L180Q	Q1	13-Arm	3 1/8	2 1/2	13/32	11/32	4 1/8	3/4	1 3/4	9/32	41.1
20.0	20.00	18 1/2	10L200Q	Q1	13-Arm	3 1/8	2 1/2	13/32	11/32	4 1/8	3/4	1 3/4	9/32	45.3
24.0	24.00	22 3/16	10L240Q	Q1	13-Arm	3 1/8	2 1/2	13/32	11/32	4 1/8	3/4	1 3/4	9/32	61.5
30.0	30.00	28 1/2	10L300Q	Q1	13-Arm	3 1/8	2 1/2	13/32	11/32	4 1/8	3/4	1 3/4	9/32	84.0



Accurately Machined
◆
Statically Balanced
◆
Individually Packaged



Standard Keyseats

Table No. 1

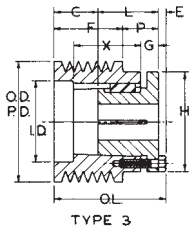
Bore Range	Keyseat
1/2" — 9/16"	1/8" x 1/16"
5/8 — 7/8	3/16 x 3/32
15/16 — 1 1/4	1/4 x 1/8
1 5/16 — 1 3/8	5/16 x 5/32
1 7/16 — 1 3/4	3/8 x 3/16
1 13/16 — 2 1/4	1/2 x 1/4
2 5/16 — 2 3/4	5/8 x 5/16
2 13/16 — 3 1/4	3/4 x 3/8
3 3/8 — 3 3/4	7/8 x 7/16

1 3/8" Bore Bushings also available with 3/8" x 3/16" Keyseat

Table No. 2

Bushing Dimensions

Part No.	Dimensions									Bore Range	Wt. Lbs.
	M	L	G	X	E	T	U	D	H		
P1	2 3/16"	1 15/16"	5/8"	1 5/16"	1/4"	1 17/32"	13/32"	1 15/16"	3"	1/2" — 1 3/4"	1 1/4
P2	3 3/16	2 15/16	5/8	2 5/16	1/4	2 17/32	13/32	1 15/16	3	3/4 — 1 3/4	1 1/2
Q1	2 25/32	2 1/2	3/4	1 3/4	9/32	1 31/32	17/32	2 7/8	4 1/8	3/4 — 2 11/16	3 1/2
R1	3 5/32	2 7/8	7/8	2	9/32	2 1/4	5/8	4	5 3/8	1 1/8 — 3 3/4	7 1/2



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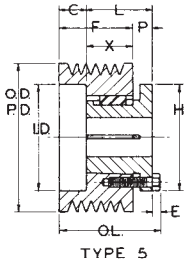

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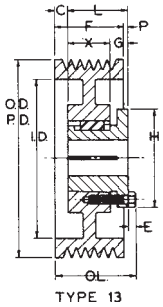

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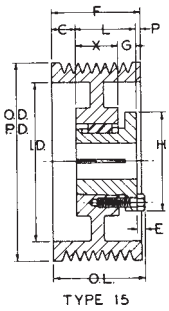


TYPE 15

Table No. 3

Specifications — Stock "L" Sheaves

Diameters			12 GROOVES, F = 2 13/16"											
Pitch "L" Belts	Outside	Inside	Part Number		Type	Dimensions								Wt. Less Bush.
			Sheave	Bushing		O.L	L	P	C	H	G	X	E	
3.0"	3.00"	2 1/16	12L30P	P2	3	4 1/4"	2 15/16"	1 3/16"	1 1/16"	3"	5/8"	2 5/16"	1/4"	3.1
3.2	3.20	2 1/4	12L32P	P2	3	4 1/4	2 15/16	1 3/16	1 1/16	3	5/8	2 5/16	1/4	3.6
3.4	3.40	2 1/2	12L34P	P1	5	3 11/16	1 15/16	5/8	1 1/2	3	—	1 5/16	1/4	3.0
3.6	3.60	2 11/16	12L36P	P1	5	3 11/16	1 15/16	5/8	1 1/2	3	—	1 5/16	1/4	3.6
3.8	3.80	2 7/8	12L38P	P1	5	3 11/16	1 15/16	5/8	1 1/2	3	—	1 5/16	1/4	4.0
4.0	4.00	3 1/16	12L40P	P1	5	3 11/16	1 15/16	5/8	1 1/2	3	—	1 5/16	1/4	4.7
4.2	4.20	3 1/4	12L42P	P1	13-Web	3 1/16	1 15/16	0	7/8	3	5/8	1 5/16	1/4	5.0
4.4	4.40	3 1/2	12L44P	P1	13-Web	3 1/16	1 15/16	0	7/8	3	5/8	1 5/16	1/4	5.5
4.6	4.60	3 11/16	12L46P	P1	13-Web	3 1/16	1 15/16	0	7/8	3	5/8	1 5/16	1/4	6.0
4.8	4.80	3 7/8	12L48P	P1	13-Web	3 1/16	1 15/16	0	7/8	3	5/8	1 5/16	1/4	6.9
5.0	5.00	4 1/16	12L50P	P1	13-Web	3 1/16	1 15/16	0	7/8	3	5/8	1 5/16	1/4	7.5
5.2	5.20	4 1/4	12L52P	P1	13-Web	3 1/16	1 15/16	0	7/8	3	5/8	1 5/16	1/4	7.7
5.4	5.40	4 1/2	12L54Q	Q1	13-Web	3 3/32	2 1/2	0	5/16	4 1/8	3/4	1 3/4	9/32	8.6
5.6	5.60	4 11/16	12L56Q	Q1	13-Web	3 3/32	2 1/2	0	5/16	4 1/8	3/4	1 3/4	9/32	9.3
5.8	5.80	4 7/8	12L58Q	Q1	13-Web	3 3/32	2 1/2	0	5/16	4 1/8	3/4	1 3/4	9/32	10.3
6.0	6.00	5 1/16	12L60Q	Q1	13-Web	3 3/32	2 1/2	0	5/16	4 1/8	3/4	1 3/4	9/32	11.1
6.2	6.20	5 1/4	12L62Q	Q1	13-Web	3 3/32	2 1/2	0	5/16	4 1/8	3/4	1 3/4	9/32	11.9
6.4	6.40	5 1/2	12L64Q	Q1	13-Web	3 3/32	2 1/2	0	5/16	4 1/8	3/4	1 3/4	9/32	12.9
7.0	7.00	5 9/16	12L70Q	Q1	13-Web	3 5/16	2 1/2	7/32	17/32	4 1/8	3/4	1 3/4	9/32	12.4
7.4	7.40	6	12L74Q	Q1	13-Web	3 5/16	2 1/2	7/32	17/32	4 1/8	3/4	1 3/4	9/32	13.0
8.0	8.00	6 9/16	12L80Q	Q1	13-Arm	3 5/16	2 1/2	7/32	17/32	4 1/8	3/4	1 3/4	9/32	15.0
9.0	9.00	7 7/8	12L90Q	Q1	13-Arm	3 5/16	2 1/2	7/32	17/32	4 1/8	3/4	1 3/4	9/32	17.0
10.0	10.00	7 13/16	12L100Q	Q1	13-Arm	3 5/16	2 1/2	7/32	17/32	4 1/8	3/4	1 3/4	9/32	20.2
12.0	12.00	10 15/16	12L120Q	Q1	13-Arm	3 5/16	2 1/2	7/32	17/32	4 1/8	3/4	1 3/4	9/32	27.4
14.0	14.00	12 1/8	12L140Q	Q1	13-Arm	3 5/16	2 1/2	7/32	17/32	4 1/8	3/4	1 3/4	9/32	32.9
16.0	16.00	14 9/16	12L160Q	Q1	13-Arm	3 5/16	2 1/2	7/32	17/32	4 1/8	3/4	1 3/4	9/32	32.5
18.0	18.00	17	12L180Q	Q1	13-Arm	3 5/16	2 1/2	7/32	17/32	4 1/8	3/4	1 3/4	9/32	42.9
20.0	20.00	18 1/2	12L200Q	Q1	13-Arm	3 5/16	2 1/2	7/32	17/32	4 1/8	3/4	1 3/4	9/32	46.5
24.0	24.00	22 3/16	12L240Q	Q1	13-Arm	3 5/16	2 1/2	7/32	17/32	4 1/8	3/4	1 3/4	9/32	60.0
30.0	30.00	28 1/2	12L300Q	Q1	13-Arm	3 5/16	2 1/2	7/32	17/32	4 1/8	3/4	1 3/4	9/32	93.0

Specifications — Stock "L" Sheaves

Table No. 1

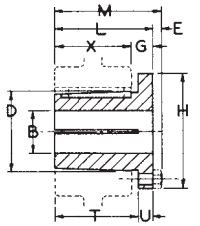
DIAMETERS			14 GROOVES, F = 3 3/16"											
Pitch "L" Belts	Outside	Inside	Part Number		Type	Dimensions								Wt. Less Bush.
			Sheave	Bushing		O.L	L	P	C	H	G	X	E	
5.4"	5.40	4 1/2"	14L54Q	Q1	13-Web	3 21/32"	2 1/2"	0"	11/16"	4 1/8"	3/4"	1 3/4"	9/32"	8.9
5.6	5.60	4 11/16	14L56Q	Q1	13-Web	3 21/32	2 1/2	0	11/16	4 1/8	3/4	1 3/4	9/32	10.0
5.8	5.80	4 1/8	14L58Q	Q1	13-Web	3 21/32	2 1/2	0	11/16	4 1/8	3/4	1 3/4	9/32	10.7
6.0	6.00	5 1/16	14L60Q	Q1	13-Web	3 21/32	2 1/2	0	11/16	4 1/8	3/4	1 3/4	9/32	12.1
6.2	6.20	5 1/4	14L62Q	Q1	13-Web	3 21/32	2 1/2	0	11/16	4 1/8	3/4	1 3/4	9/32	12.6
6.4	6.40	4 1/2	14L64Q	Q1	13-Web	3 21/32	2 1/2	0	11/16	4 1/8	3/4	1 3/4	9/32	13.5
7.0	7.00	5 9/16	14L70Q	Q1	13-Web	3 1/2	2 1/2	1/32	23/32	4 1/8	3/4	1 3/4	9/32	13.4
7.4	7.40	6	14L74Q	Q1	13-Web	3 1/2	2 1/2	1/32	23/32	4 1/8	3/4	1 3/4	9/32	13.8
8.0	8.00	6 9/16	14L80Q	Q1	13-Arm	3 1/2	2 1/2	1/32	23/32	4 1/8	3/4	1 3/4	9/32	16.0
9.0	9.00	7 1/4	14L90R	R1	13-Arm	3 3/4	2 7/8	9/32	19/32	5 3/8	7/8	2	9/32	23.6
10.0	10.00	7 15/16	14L100R	R1	13-Arm	3 3/4	2 7/8	9/32	19/32	5 3/8	7/8	2	9/32	25.5
12.0	12.00	10 5/16	14L120R	R1	13-Arm	3 3/4	2 7/8	9/32	19/32	5 3/8	7/8	2	9/32	30.1
14.0	14.00	12 1/8	14L140R	R1	13-Arm	3 3/4	2 7/8	9/32	19/32	5 3/8	7/8	2	9/32	34.5
16.0	16.00	14 9/16	14L160R	R1	13-Arm	3 3/4	2 7/8	9/32	19/32	5 3/8	7/8	2	9/32	40.0
18.0	18.00	16 15/16	14L180R	R1	13-Arm	3 3/4	2 7/8	9/32	19/32	5 3/8	7/8	2	9/32	43.5
20.0	20.00	18 7/16	14L200R	R1	13-Arm	3 3/4	2 7/8	9/32	19/32	5 3/8	7/8	2	9/32	50.5
24.0	24.00	22 3/16	14L240R	R1	13-Arm	3 3/4	2 7/8	9/32	19/32	5 3/8	7/8	2	9/32	61.5
30.0	30.00	28 1/2	14L300R	R1	13-Arm	3 3/4	2 7/8	9/32	19/32	5 3/8	7/8	2	9/32	92.5

Table No. 2

DIAMETERS			16 GROOVES, F = 3 9/16"											
Pitch "L" Belts	Outside	Inside	Part Number		Type	Dimensions								Wt. Less Bush.
			Sheave	Bushing		O.L	L	P	C	H	G	X	E	
5.4"	5.40"	4 1/2"	16L54Q	Q1	13-Web	3 27/32"	2 1/2"	0"	1 1/16"	4 1/8"	3/4"	1 3/4"	9/32"	9.5
5.6	5.60	4 11/16	16L56Q	Q1	13-Web	3 27/32	2 1/2	0	1 1/16	4 1/8	3/4	1 3/4	9/32	10.5
5.8	5.80	4 7/8	16L58Q	Q1	13-Web	3 27/32	2 1/2	0	1 1/16	4 1/8	3/4	1 3/4	9/32	11.4
6.0	6.00	5 1/16	16L60Q	Q1	13-Web	3 27/32	2 1/2	0	1 1/16	4 1/8	3/4	1 3/4	9/32	12.4
6.2	6.20	4 5/16	16L62Q	Q1	13-Web	3 27/32	2 1/2	0	1 1/16	4 1/8	3/4	1 3/4	9/32	13.6
6.4	6.40	5 1/2	16L64Q	Q1	13-Web	3 27/32	2 1/2	0	1 1/16	4 1/8	3/4	1 3/4	9/32	14.3
7.0	7.00	6	16L70Q	Q1	15-Web	3 11/16	2 1/2	5/32	29/32	4 1/8	3/4	1 3/4	9/32	14.8
7.4	7.40	6 7/16	16L74Q	Q1	15-Web	3 11/16	2 1/2	5/32	29/32	4 1/8	3/4	1 3/4	9/32	15.3
8.0	8.00	6 9/16	16L80Q	Q1	15-Arm	3 11/16	2 1/2	5/32	29/32	4 1/8	3/4	1 3/4	9/32	17.1
9.0	9.00	7 15/16	16L90R	R1	13-Arm	3 15/16	2 7/8	3/32	25/32	5 3/8	7/8	2	9/32	24.1
10.0	10.00	7 15/16	16L100R	R1	13-Arm	3 15/16	2 7/8	3/32	25/32	5 3/8	7/8	2	9/32	26.9
12.0	12.00	10 5/16	16L120R	R1	13-Arm	3 15/16	2 7/8	3/32	25/32	5 3/8	7/8	2	9/32	30.9
14.0	14.00	12 1/8	16L140R	R1	13-Arm	3 15/16	2 7/8	3/32	25/32	5 3/8	7/8	2	9/32	38.5
16.0	16.00	14 9/16	16L160R	R1	13-Arm	3 15/16	2 7/8	3/32	25/32	5 3/8	7/8	2	9/32	43.8
18.0	18.00	16 15/16	16L180R	R1	13-Arm	3 15/16	2 7/8	3/32	25/32	5 3/8	7/8	2	9/32	49.3
20.0	20.00	18 7/16	16L200R	R1	13-Arm	3 15/16	2 7/8	3/32	25/32	5 3/8	7/8	2	9/32	53.0
24.0	24.00	22 3/16	16L240R	R1	13-Arm	3 15/16	2 7/8	3/32	25/32	5 3/8	7/8	2	9/32	64.5
30.0	30.00	28 1/2	16L300R	R1	13-Arm	3 15/16	2 7/8	3/32	25/32	5 3/8	7/8	2	9/32	93.5

Table No. 3

DIAMETERS			20 GROOVES, F = 4 1/4"											
Pitch "L" Belts	Outside	Inside	Part Number		Type	Dimensions								Wt. Less Bush.
			Sheave	Bushing		O.L	L	P	C	H	G	X	E	
5.4"	5.40"	4 1/2"	20L54Q	Q1	13-Web	4 17/32"	2 1/2"	0"	1 3/4"	4 1/8"	3/4"	1 3/4"	9/32"	10.4
5.6	5.60	4 11/16	20L56Q	Q1	13-Web	4 17/32	2 1/2	0	1 3/4	4 1/8	3/4	1 3/4	9/32	11.3
5.8	5.80	4 7/8	20L58Q	Q1	13-Web	4 17/32	2 1/2	0	1 3/4	4 1/8	3/4	1 3/4	9/32	12.4
6.0	6.00	5 1/16	20L60Q	Q1	13-Web	4 17/32	2 1/2	0	1 3/4	4 1/8	3/4	1 3/4	9/32	13.5
6.2	6.20	5 1/4	20L62Q	Q1	13-Web	4 17/32	2 1/2	0	1 3/4	4 1/8	3/4	1 3/4	9/32	15.0
6.4	6.40	4 1/2	20L64Q	Q1	13-Web	4 17/32	2 1/2	0	1 3/4	4 1/8	3/4	1 3/4	9/32	15.6
7.0	7.00	5 9/16	20L70Q	Q1	15-Web	4 1/4	2 1/2	1/2	1 1/4	4 1/8	3/4	1 3/4	9/32	18.8
7.4	7.40	6	20L74Q	Q1	15-Web	4 1/4	2 1/2	1/2	1 1/4	4 1/8	3/4	1 3/4	9/32	21.7
8.0	8.00	6 9/16	20L80Q	Q1	15-Arm	4 1/4	2 1/2	1/2	1 1/4	4 1/8	3/4	1 3/4	9/32	18.2
9.0	9.00	7 1/4	20L90R	R1	15-Arm	4 9/32	2 7/8	1/4	1 1/8	5 3/8	7/8	2	9/32	26.4
10.0	10.00	8 3/16	20L100R	R1	15-Arm	4 9/32	2 7/8	1/4	1 1/8	5 3/8	7/8	2	9/32	29.9
12.0	12.00	10 5/16	20L120R	R1	15-Arm	4 9/32	2 7/8	1/4	1 1/8	5 3/8	7/8	2	9/32	34.0
14.0	14.00	12 1/4	20L140R	R1	15-Arm	4 9/32	2 7/8	1/4	1 1/8	5 3/8	7/8	2	9/32	41.6
16.0	16.00	14 9/16	20L160R	R1	15-Arm	4 9/32	2 7/8	1/4	1 1/8	5 3/8	7/8	2	9/32	46.9
18.0	18.00	16 15/16	20L180R	R1	15-Arm	4 9/32	2 7/8	1/4	1 1/8	5 3/8	7/8	2	9/32	54.0
20.0	20.00	18 7/16	20L200R	R1	15-Arm	4 9/32	2 7/8	1/4	1 1/8	5 3/8	7/8	2	9/32	56.5
24.0	24.00	22 3/16	20L240R	R1	15-Arm	4 9/32	2 7/8	1/4	1 1/8	5 3/8	7/8	2	9/32	72.5
30.0	30.00	28 1/2	20L300R	R1	15-Arm	4 9/32	2 7/8	1/4	1 1/8	5 3/8	7/8	2	9/32	112.0



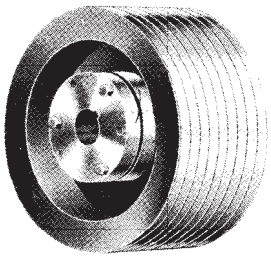
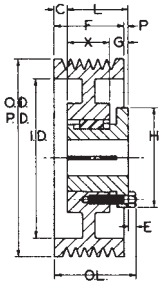


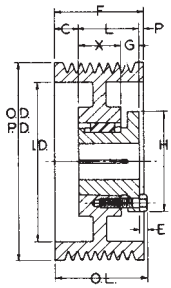
Table No. 1

Bushing Dimensions

Part No.	Dimensions									Bore Range	Wt. Lbs.
	M	L	G	X	E	T	U	D	H		
Q1	2 25/32"	2 1/2"	3/4"	1 3/4"	9/32"	1 31/32"	17/32"	2 7/8"	4 1/8"	3/4" — 2 11/16"	3 1/2
R1	3 5/32	2 7/8	7/8	2	9/32	2 1/4	5/8	4	5 3/8	1 1/8 — 3 3/4	7 1/2
R2	5 5/32	4 7/8	7/8	4	9/32	4 1/4	5/8	4	5 3/8	1 3/8 — 3 5/8	11
S1	4 3/4	4 3/8	1 1/16	3 5/16	3/8	3 5/8	3/4	4 5/8	6 3/8	1 11/16 — 4 1/4	13 1/2



TYPE 13



TYPE 15

Standard Keyseats

Table No. 2

Bore Range	Keyseat	Bore Range	Keyseat
3/4" — 7/8"	3/16" x 3/32"	2 5/16" — 2 3/4"	5/8" x 5/16"
15/16 — 1 1/4	1/4 x 1/8	2 13/16 — 3 1/4	3/4 x 3/8
1 5/16 — 1 3/8	5/16 x 5/32	3 3/8 — 3 3/4	7/8 x 7/16
1 7/16 — 1 3/4	3/8 x 3/16	3 7/8 — 4 1/4	1 x 1/2
1 13/16 — 2 1/4	1/2 x 1/4		

1 3/8" Bore Bushings (except R2) also available with 3/8" x 3/16" Keyseat

D

Table No. 3

Specifications — Stock "M" Sheaves

DIAMETERS			6 GROOVES, F = 2 7/8"											
Pitch "M" Belts	Outside	Inside	Part Number		Type	Dimensions								Wt. Less Bush.
			Sheave	Bushing		O.L	L	P	C	H	G	X	E	
7.0"	7.00"	5 5/8"	6M70Q	Q1	13-Web	3 11/32"	2 1/2"	3/16"	9/16"	4 1/8"	3/4"	1 3/4"	9/32"	14.2
7.4	7.40	5 9/16	6M74Q	Q1	13-Web	3 11/32	2 1/2	3/16	9/16	4 1/8	3/4	1 3/4	9/32	14.5
7.6	7.60	6	6M76Q	Q1	13-Web	3 11/32	2 1/2	3/16	9/16	4 1/8	3/4	1 3/4	9/32	15.4
8.0	8.00	6 9/16	6M80Q	Q1	13-Web	3 11/32	2 1/2	3/16	9/16	4 1/8	3/4	1 3/4	9/32	16.4
8.4	8.40	6 9/16	6M84Q	Q1	13-Web	3 11/32	2 1/2	3/16	9/16	4 1/8	3/4	1 3/4	9/32	17.8
8.6	8.60	7 1/8	6M86Q	Q1	13-Arm	3 11/32	2 1/2	3/16	9/16	4 1/8	3/4	1 3/4	9/32	19.7
9.0	9.00	7 1/8	6M90Q	Q1	13-Arm	3 11/32	2 1/2	3/16	9/16	4 1/8	3/4	1 3/4	9/32	21.3
9.2	9.20	7 9/16	6M92Q	Q1	13-Arm	3 11/32	2 1/2	3/16	9/16	4 1/8	3/4	1 3/4	9/32	19.6
9.6	9.60	8	6M96Q	Q1	13-Arm	3 11/32	2 1/2	3/16	9/16	4 1/8	3/4	1 3/4	9/32	21.0
10.0	10.00	7 13/16	6M100Q	Q1	13-Arm	3 11/32	2 1/2	3/16	9/16	4 1/8	3/4	1 3/4	9/32	22.3
10.6	10.60	8 3/8	6M106Q	Q1	13-Arm	3 11/32	2 1/2	3/16	9/16	4 1/8	3/4	1 3/4	9/32	24.5
11.0	11.00	9 1/2	6M110Q	Q1	13-Arm	3 11/32	2 1/2	3/16	9/16	4 1/8	3/4	1 3/4	9/32	24.6
12.0	12.00	10 5/16	6M120R	R1	13-Arm	3 19/32	2 7/8	7/16	7/16	5 3/8	7/8	2	9/32	30.3
13.0	13.00	11 1/4	6M130R	R1	13-Arm	3 19/32	2 7/8	7/16	7/16	5 3/8	7/8	2	9/32	33.0
14.0	14.00	12 1/4	6M140R	R1	13-Arm	3 19/32	2 7/8	7/16	7/16	5 3/8	7/8	2	9/32	36.0
15.0	15.00	13 1/2	6M150R	R1	13-Arm	3 19/32	2 7/8	7/16	7/16	5 3/8	7/8	2	9/32	38.9
16.0	16.00	14 1/4	6M160R	R1	13-Arm	3 19/32	2 7/8	7/16	7/16	5 3/8	7/8	2	9/32	42.0
18.0	18.00	16 1/4	6M180R	R1	13-Arm	3 19/32	2 7/8	7/16	7/16	5 3/8	7/8	2	9/32	48.2
20.0	20.00	18 1/4	6M200R	R1	13-Arm	3 19/32	2 7/8	7/16	7/16	5 3/8	7/8	2	9/32	54.5
24.0	24.00	22	6M240R	R1	13-Arm	3 19/32	2 7/8	7/16	7/16	5 3/8	7/8	2	9/32	65.5
30.0	30.00	28 1/2	6M300R	R1	13-Arm	3 19/32	2 7/8	7/16	7/16	5 3/8	7/8	2	9/32	99.0
36.0	36.00	34 3/16	6M360R	R1	13-Arm	3 19/32	2 7/8	7/16	7/16	5 3/8	7/8	2	9/32	122.0
44.0	44.00	42 1/16	6M440R	R1	13-Arm	3 19/32	2 7/8	7/16	7/16	5 3/8	7/8	2	9/32	187.0

Table No. 4

DIAMETERS			8 GROOVES, F = 3 9/16"											
Pitch "M" Belts	Outside	Inside	Part Number		Type	Dimensons								Wt. Less Bush.
			Sheave	Bushing		O.L	L	P	C	H	G	X	E	
7.0"	7.00"	5 9/16"	8M70Q	Q1	15-Web	3 11/16"	2 1/2"	5/32"	29/32"	4 1/8"	3/4"	1 3/4"	9/32"	17.6
7.4	7.40	6	8M74Q	Q1	15-Web	3 11/16	2 1/2	5/32	29/32	4 1/8	3/4	1 3/4	9/32	17.1
7.6	7.60	6	8M76Q	Q1	15-Web	3 11/16	2 1/2	5/32	29/32	4 1/8	3/4	1 3/4	9/32	17.1
8.0	8.00	6 9/16	8M80Q	Q1	15-Web	3 11/16	2 1/2	5/32	29/32	4 1/8	3/4	1 3/4	9/32	18.1
8.4	8.40	6 9/16	8M84Q	Q1	15-Arm	3 11/16	2 1/2	5/32	29/32	4 1/8	3/4	1 3/4	9/32	20.3
8.6	8.60	7 1/8	8M86Q	Q1	15-Arm	3 11/16	2 1/2	5/32	29/32	4 1/8	3/4	1 3/4	9/32	25.3
9.0	9.00	7	8M90R	R1	13-Arm	3 15/16	2 7/8	3/32	25/32	5 3/8	7/8	2	9/32	26.0
9.2	9.20	7 9/16	8M92R	R1	13-Arm	3 15/16	2 7/8	3/32	25/32	5 3/8	7/8	2	9/32	27.3
9.6	9.60	7 15/16	8M96R	R1	13-Arm	3 15/16	2 7/8	3/32	25/32	5 3/8	7/8	2	9/32	28.1
10.0	10.00	7 15/16	8M100R	R1	13-Arm	3 15/16	2 7/8	3/32	25/32	5 3/8	7/8	2	9/32	29.0
10.6	10.60	8 1/2	8M106R	R1	13-Arm	3 15/16	2 7/8	3/32	25/32	5 3/8	7/8	2	9/32	32.1
11.0	11.00	8 13/16	8M110R	R1	13-Arm	3 15/16	2 7/8	3/32	25/32	5 3/8	7/8	2	9/32	33.8
12.0	12.00	10 5/16	8M120R	R1	13-Arm	3 15/16	2 7/8	3/32	25/32	5 3/8	7/8	2	9/32	34.6
13.0	13.00	11 1/4	8M130R	R1	13-Arm	3 15/16	2 7/8	3/32	25/32	5 3/8	7/8	2	9/32	37.3
14.0	14.00	12 1/4	8M140R	R1	13-Arm	3 15/16	2 7/8	3/32	25/32	5 3/8	7/8	2	9/32	41.4
15.0	15.00	13 1/4	8M150R	R1	13-Arm	3 15/16	2 7/8	3/32	25/32	5 3/8	7/8	2	9/32	42.6
16.0	16.00	14 9/16	8M160R	R1	13-Arm	3 15/16	2 7/8	3/32	25/32	5 3/8	7/8	2	9/32	47.3
18.0	18.00	16 1/4	8M180R	R1	13-Arm	3 15/16	2 7/8	3/32	25/32	5 3/8	7/8	2	9/32	51.5
20.0	20.00	18 1/16	8M200R	R1	13-Arm	3 15/16	2 7/8	3/32	25/32	5 3/8	7/8	2	9/32	60.0
24.0	24.00	22 3/16	8M240R	R1	13-Arm	3 15/16	2 7/8	3/32	25/32	5 3/8	7/8	2	9/32	74.0
30.0	30.00	28 1/2	8M300R	R1	13-Arm	3 15/16	2 7/8	3/32	25/32	5 3/8	7/8	2	9/32	112.0
36.0	36.00	34 3/16	8M360R	R1	13-Arm	3 15/16	2 7/8	3/32	25/32	5 3/8	7/8	2	9/32	139.0
44.0	44.00	42 1/16	8M440R	R1	13-Arm	3 15/16	2 7/8	3/32	25/32	5 3/8	7/8	2	9/32	200.0

Table No. 1

Specifications — Stock "M" Sheaves

DIAMETERS			10 GROOVES, F = 4 5/16"												
Pitch "M" Belts	Outside	Inside	Part Number		Type	Dimensions								Wt. Less Bush.
			Sheave	Bushing		O.L	L	P	C	H	G	X	E	
7.0"	7.00"	5 9/16"	10M70Q	Q1	15-Web	4 5/16"	2 1/2"	17/32"	1 9/32"	4 1/8"	3/4"	1 3/4"	9/32"	19.5
7.4	7.40	6	10M74Q	Q1	15-Web	4 5/16	2 1/2	17/32	1 9/32	4 1/8	3/4	1 3/4	9/32	22.4
7.6	7.60	6	10M76Q	Q1	15-Web	4 5/16	2 1/2	17/32	1 9/32	4 1/8	3/4	1 3/4	9/32	24.0
8.0	8.00	6 9/16	10M80Q	Q1	15-Web	4 5/16	2 1/2	17/32	1 9/32	4 1/8	3/4	1 3/4	9/32	21.3
8.4	8.40	6 9/16	10M84Q	Q1	15-Web	4 5/16	2 1/2	17/32	1 9/32	4 1/8	3/4	1 3/4	9/32	22.4
8.6	8.60	7 1/8	10M86Q	Q1	15-Web	4 5/16	2 1/2	17/32	1 9/32	4 1/8	3/4	1 3/4	9/32	23.1
9.0	9.00	7 1/4	10M90R	R1	15-Web	4 5/16	2 7/8	9/32	1 5/32	5 3/8	7/8	2	9/32	28.5
9.2	9.20	7 1/4	10M92R	R1	15-Web	4 5/16	2 7/8	9/32	1 5/32	5 3/8	7/8	2	9/32	30.0
9.6	9.60	7 3/8	10M96R	R1	15-Web	4 5/16	2 7/8	9/32	1 5/32	5 3/8	7/8	2	9/32	30.8
10.0	10.00	7 15/16	10M100R	R1	15-Web	4 5/16	2 7/8	9/32	1 5/32	5 3/8	7/8	2	9/32	32.5
10.6	10.60	8 1/2	10M106R	R1	15-Web	4 5/16	2 7/8	9/32	1 5/32	5 3/8	7/8	2	9/32	35.5
11.0	11.00	8 13/16	10M110R	R1	15-Arm	4 5/16	2 7/8	9/32	1 5/32	5 3/8	7/8	2	9/32	38.0
12.0	12.00	10 5/16	10M120R	R1	15-Arm	4 5/16	2 7/8	9/32	1 5/32	5 3/8	7/8	2	9/32	38.1
13.0	13.00	11 1/4	10M130R	R1	15-Arm	4 5/16	2 7/8	9/32	1 5/32	5 3/8	7/8	2	9/32	41.4
14.0	14.00	12 1/4	10M140R	R1	15-Arm	4 5/16	2 7/8	9/32	1 5/32	5 3/8	7/8	2	9/32	45.5
15.0	15.00	13 1/4	10M150R	R1	15-Arm	4 5/16	2 7/8	9/32	1 5/32	5 3/8	7/8	2	9/32	47.4
16.0	16.00	14 9/16	10M160R	R1	15-Arm	4 5/16	2 7/8	9/32	1 5/32	5 3/8	7/8	2	9/32	51.0
18.0	18.00	16 1/4	10M180R	R1	15-Arm	4 5/16	2 7/8	9/32	1 5/32	5 3/8	7/8	2	9/32	60.3
20.0	20.00	18 1/4	10M200R	R1	15-Arm	4 5/16	2 7/8	9/32	1 5/32	5 3/8	7/8	2	9/32	68.3
24.0	24.00	22 3/16	10M240R	R1	15-Arm	4 5/16	2 7/8	9/32	1 5/32	5 3/8	7/8	2	9/32	84.5
30.0	30.00	28 1/2	10M300R	R1	15-Arm	4 5/16	2 7/8	9/32	1 5/32	5 3/8	7/8	2	9/32	119.0
36.0	36.00	34 3/16	10M360R	R1	15-Arm	4 5/16	2 7/8	9/32	1 5/32	5 3/8	7/8	2	9/32	171.0
44.0	44.00	42 3/16	10M440R	R1	15-Arm	4 5/16	2 7/8	9/32	1 5/32	5 3/8	7/8	2	9/32	218.0

Table No. 2

DIAMETERS			12 GROOVES, F = 5 1/16"											
Pitch "M" Belts	Outside	Inside	Part Number		Type	Dimensions								Wt. Less Bush.
			Sheave	Bushing		O.L	L	P	C	H	G	X	E	
9.0"	9.00"	7 1/4"	12M90R	R1	15-Web	5 1/16"	2 7/8"	21/32"	1 17/32"	5 3/8"	7/8"	2"	9/32"	31.6
9.2	9.20	7 3/8	12M92R	R1	15-Web	5 1/16	2 7/8	21/32	1 17/32	5 3/8	7/8	2	9/32	33.5
9.6	9.60	7 3/8	12M96R	R1	15-Web	5 1/16	2 7/8	21/32	1 17/32	5 3/8	7/8	2	9/32	34.3
10.0	10.00	7 15/16	12M100R	R1	15-Web	5 1/16	2 7/8	21/32	1 17/32	5 3/8	7/8	2	9/32	35.0
10.6	10.60	8 1/2	12M106R	R1	15-Web	5 1/16	2 7/8	21/32	1 17/32	5 3/8	7/8	2	9/32	39.4
11.0	11.00	8 13/16	12M110R	R1	15-Arm	5 1/16	2 7/8	21/32	1 17/32	5 3/8	7/8	2	9/32	40.5
12.0	12.00	10 5/16	12M120R	R1	15-Arm	5 1/16	2 7/8	21/32	1 17/32	5 3/8	7/8	2	9/32	41.4
13.0	13.00	11 1/4	12M130R	R1	15-Arm	5 1/16	2 7/8	21/32	1 17/32	5 3/8	7/8	2	9/32	45.3
14.0	14.00	12 1/4	12M140R	R1	15-Arm	5 1/16	2 7/8	21/32	1 17/32	5 3/8	7/8	2	9/32	49.4
15.0	15.00	13 1/4	12M150R	R1	15-Arm	5 1/16	2 7/8	21/32	1 17/32	5 3/8	7/8	2	9/32	51.0
16.0	16.00	14 1/4	12M160R	R1	15-Arm	5 1/16	2 7/8	21/32	1 17/32	5 3/8	7/8	2	9/32	56.0
18.0	18.00	16 1/4	12M180R	R1	15-Arm	5 1/16	2 7/8	21/32	1 17/32	5 3/8	7/8	2	9/32	64.5
20.0	20.00	18 3/16	12M200R	R1	15-Arm	5 1/16	2 7/8	21/32	1 17/32	5 3/8	7/8	2	9/32	71.5
24.0	24.00	22 3/16	12M240R	R1	15-Arm	5 1/16	2 7/8	21/32	1 17/32	5 3/8	7/8	2	9/32	91.5
30.0	30.00	28 3/16	12M300R	R1	15-Arm	5 1/16	2 7/8	21/32	1 17/32	5 3/8	7/8	2	9/32	129.0
36.0	36.00	34 3/16	12M360R	R1	15-Arm	5 1/16	2 7/8	21/32	1 17/32	5 3/8	7/8	2	9/32	190.0
44.0	44.00	42 3/16	12M440R	R1	15-Arm	5 1/16	2 7/8	21/32	1 17/32	5 3/8	7/8	2	9/32	237.0

Table No. 3

DIAMETERS			14 GROOVES, F = 5 13/16"											
Pitch "M" Belts	Outside	Inside	Part Number		Type	Dimensions								Wt. Less Bush.
			Sheave	Bushing		O.L	L	P	C	H	G	X	E	
9.0"	9.00"	7 1/4"	14M90R	R2	15-Web	6 1/16"	4 7/8"	1/32"	29/32"	5 3/8"	7/8"	4"	9/32"	49.8
9.2	9.20	7 1/4	14M92R	R2	15-Web	6 1/16	4 7/8	1/32	23/32	5 3/8	7/8	4	9/32	53.0
9.6	9.60	7 15/16	14M96R	R2	15-Web	6 1/16	4 7/8	1/32	23/32	5 3/8	7/8	4	9/32	54.5
10.0	10.00	7 3/4	14M100R	R2	15-Web	6 1/16	4 7/8	1/32	23/32	5 3/8	7/8	4	9/32	55.0
10.6	10.60	8 13/16	14M106R	R2	15-Web	6 1/16	4 7/8	1/32	23/32	5 3/8	7/8	4	9/32	59.8
11.0	11.00	8 13/16	14M110R	R2	15-Arm	6 1/16	4 7/8	1/32	23/32	5 3/8	7/8	4	9/32	60.5
12.0	12.00	10 9/16	14M120S	S1	15-Arm	6	4 3/8	3/16	1 1/4	6 3/8	1 1/16	3 5/16	3/8	64.0
13.0	13.00	11 3/8	14M130S	S1	15-Arm	6	4 3/8	3/16	1 1/4	6 3/8	1 1/16	3 5/16	3/8	71.5
14.0	14.00	12 3/16	14M140S	S1	15-Arm	6	4 3/8	3/16	1 1/4	6 3/8	1 1/16	3 5/16	3/8	77.5
15.0	15.00	13 3/16	14M150S	S1	15-Arm	6	4 3/8	3/16	1 1/4	6 3/8	1 1/16	3 5/16	3/8	81.5
16.0	16.00	13 1/4	14M160S	S1	15-Arm	6	4 3/8	3/16	1 1/4	6 3/8	1 1/16	3 5/16	3/8	87.0
18.0	18.00	16 1/4	14M180S	S1	15-Arm	6	4 3/8	3/16	1 1/4	6 3/8	1 1/16	3 5/16	3/8	96.5
20.0	20.00	18 3/16	14M200S	S1	15-Arm	6	4 3/8	3/16	1 1/4	6 3/8	1 1/16	3 5/16	3/8	109.0
24.0	24.00	22 1/4	14M240S	S1	15-Arm	6	4 3/8	3/16	1 1/4	6 3/8	1 1/16	3 5/16	3/8	131.0
30.0	30.00	28 7/16	14M300S	S1	15-Arm	6	4 3/8	3/16	1 1/4	6 3/8	1 1/16	3 5/16	3/8	168.0
36.0	36.00	34 3/16	14M360S	S1	15-Arm	6	4 3/8	3/16	1 1/4	6 3/8	1 1/16	3 5/16	3/8	223.0
44.0	44.00	42 3/16	14M440S	S1	15-Arm	6	4 3/8	3/16	1 1/4	6 3/8	1 1/16	3 5/16	3/8	280.0

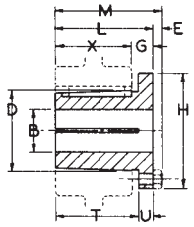
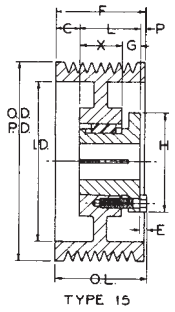


Table No. 1

Bushing Dimensions

Part No.	Dimensions									Bore Range	Wt. Lbs.
	M	L	G	X	E	T	U	D	H		
R2	5 5/32"	4 7/8"	7/8"	4"	9/32"	4 1/4"	5/8"	4"	5 3/8"	1 3/8 — 3 5/8"	11
S1	4 3/4	4 3/8	1 1/16	3 5/16	3/8	3 5/8	3/4	4 5/8	6 3/8	1 11/16 — 4 1/4	13 1/2



Standard Keyseats

Table No. 2

Bore Range	Keyseat
1 3/8"	5/16" x 5/32"
1 7/16 — 1 3/4	3/8 x 3/16
1 13/16 — 2 1/4	1/2 x 1/4
2 5/16 — 2 3/4	5/8 x 5/16
2 13/16 — 3 1/4	3/4 x 3/8
3 3/8 — 3 3/4	7/8 x 7/16
3 7/8 — 4 1/4	1 x 1/2

D

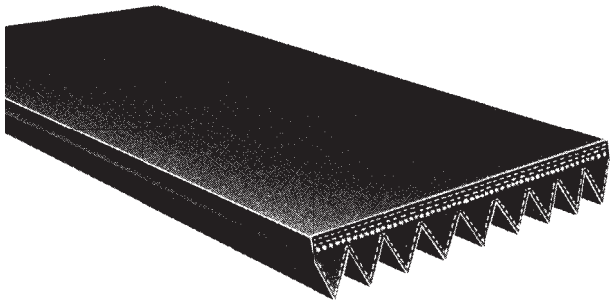
Table No. 3

Specifications — Stock "M" Sheaves

DIAMETERS			16 GROOVES, F = 6 9/16"											
Pitch "M" Belts	Outside	Inside	Part Number		Type	Dimensions								Wt. Less Bush.
			Sheave	Bushing		O.L	L	P	C	H	G	X	E	
9.0"	9.00"	6 15/16"	16M90R	R2	15-Web	6 9/16"	4 7/8"	13/32"	1 9/32"	5 3/8"	7/8"	4"	9/32"	53.5
9.2	9.20	7 1/4	16M92R	R2	15-Web	6 9/16	4 7/8	13/32	1 9/32	5 3/8	7/8	4	9/32	55.5
9.6	9.60	7 7/16	16M96R	R2	15-Web	6 9/16	4 7/8	13/32	1 9/32	5 3/8	7/8	4	9/32	58.5
10.0	10.00	7 3/4	16M100R	R2	15-Web	6 9/16	4 7/8	13/32	1 9/32	5 3/8	7/8	4	9/32	58.5
10.6	10.60	8 3/16	16M106R	R2	15-Web	6 9/16	4 7/8	13/32	1 9/32	5 3/8	7/8	4	9/32	62.0
11.0	11.00	8 3/4	16M110R	R2	15-Arm	6 9/16	4 7/8	13/32	1 9/32	5 3/8	7/8	4	9/32	64.5
12.0	12.00	9 7/16	16M120S	S1	15-Arm	6 9/16	4 3/8	1 7/16	5/8	6 3/8	1 1/16	3 5/16	3/8	67.0
13.0	13.00	10 3/16	16M130S	S1	15-Arm	6 9/16	4 3/8	9/16	1 5/8	6 3/8	1 1/16	3 5/16	3/8	74.0
14.0	14.00	11 1/4	16M140S	S1	15-Arm	6 9/16	4 3/8	9/16	1 5/8	6 3/8	1 1/16	3 5/16	3/8	80.0
15.0	15.00	11 15/16	16M150S	S1	15-Arm	6 9/16	4 3/8	1 7/16	5/8	6 3/8	1 1/16	3 5/16	3/8	86.0
16.0	16.00	12 15/16	16M160S	S1	15-Arm	6 9/16	4 3/8	1 7/16	5/8	6 3/8	1 1/16	3 5/16	3/8	91.0
18.0	18.00	15 13/16	16M180S	S1	15-Arm	6 9/16	4 3/8	13/16	1 1/4	6 3/8	1 1/16	3 5/16	3/8	104.0
20.0	20.00	18 1/4	16M200S	S1	15-Arm	6 9/16	4 3/8	9/16	1 5/8	6 3/8	1 1/16	3 5/16	3/8	113.0
24.0	24.00	22 7/16	16M240S	S1	15-Arm	6 9/16	4 3/8	9/16	1 5/8	6 3/8	1 1/16	3 5/16	3/8	140.0
30.0	30.00	28 7/16	16M300S	S1	15-Arm	6 9/16	4 3/8	9/16	1 5/8	6 3/8	1 1/16	3 5/16	3/8	182.0
36.0	36.00	34 3/16	16M360S	S1	15-Arm	6 9/16	4 3/8	9/16	1 5/8	6 3/8	1 1/16	3 5/16	3/8	235.0
44.0	44.00	42 3/16	16M440S	S1	15-Arm	6 9/16	4 3/8	9/16	1 5/8	6 3/8	1 1/16	3 5/16	3/8	300.0

Table No. 4

DIAMETERS			20 GROOVES, F = 8"											
Pitch "M" Belts	Outside	Inside	Part Number		Type	Dimensions								Wt. Less Bush.
			Sheave	Bushing		O.L	L	P	C	H	G	X	E	
9.0"	9.00"	6 15/16"	20M90R	R2	15-Web	8"	4 7/8"	1 1/2"	1 5/8"	5 3/8"	7/8"	4"	9/32"	57.5
9.2	9.20	7 1/4	20M92R	R2	15-Web	8	4 7/8	1 1/2	1 5/8	5 3/8	7/8	4	9/32	60.0
9.6	9.60	7 7/16	20M96R	R2	15-Web	8	4 7/8	1 1/2	1 5/8	5 3/8	7/8	4	9/32	63.5
10.0	10.00	7 3/4	20M100R	R2	15-Web	8	4 7/8	1 1/2	1 5/8	5 3/8	7/8	4	9/32	64.0
10.6	10.60	8 3/16	20M106R	R2	15-Web	8	4 7/8	1 1/2	1 5/8	5 3/8	7/8	4	9/32	70.0
11.0	11.00	9 1/4	20M110R	R2	15-Arm	8	4 7/8	1 1/8	2	5 3/8	7/8	4	9/32	71.0
12.0	12.00	9 13/16	20M120S	S1	15-Arm	8	4 3/8	1 9/32	2 11/32	6 3/8	1 1/16	3 5/16	3/8	74.0
13.0	13.00	10 3/16	20M130S	S1	15-Arm	8	4 3/8	1 9/32	2 11/32	6 3/8	1 1/16	3 5/16	3/8	84.5
14.0	14.00	11 1/4	20M140S	S1	15-Arm	8	4 3/8	1 9/32	2 11/32	6 3/8	1 1/16	3 5/16	3/8	90.5
15.0	15.00	12 7/16	20M150S	S1	15-Arm	8	4 3/8	1 9/32	2 11/32	6 3/8	1 1/16	3 5/16	3/8	96.5
16.0	16.00	13 1/4	20M160S	S1	15-Arm	8	4 3/8	1 9/32	2 11/32	6 3/8	1 1/16	3 5/16	3/8	100.0
18.0	18.00	16 3/16	20M180S	S1	15-Arm	8	4 3/8	1 9/32	2 11/32	6 3/8	1 1/16	3 5/16	3/8	112.0
20.0	20.00	18 1/4	20M200S	S1	15-Arm	8	4 3/8	1 9/32	2 11/32	6 3/8	1 1/16	3 5/16	3/8	127.0
24.0	24.00	22 7/16	20M240S	S1	15-Arm	8	4 3/8	1 9/32	2 11/32	6 3/8	1 1/16	3 5/16	3/8	156.0
30.0	30.00	28 1/8	20M300S	S1	15-Arm	8	4 3/8	1 9/32	2 11/32	6 3/8	1 1/16	3 5/16	3/8	205.0
36.0	36.00	34 3/16	20M360S	S1	15-Arm	8	4 3/8	1 9/32	2 11/32	6 3/8	1 1/16	3 5/16	3/8	264.0
44.0	44.00	42 3/16	20M440S	S1	15-Arm	8	4 3/8	1 9/32	2 11/32	6 3/8	1 1/16	3 5/16	3/8	335.0



THREE CROSS SECTIONS
"J" — 3/32" Rib Spacing
"L" — 3/16" Rib Spacing
"M" — 3/8" Rib Spacing
OIL AND HEAT RESISTANT

These Stock Belts are not Static Conducting, but Static Conducting Belts can be furnished on special order.

Table No. 1 — **Stock "J" Poly-V Belts**

Pitch Length	NUMBER OF RIBS AND BELT WIDTH: 4 — 3/8" Part No.	Wt. Lbs.	6 — 9/16" Part No.	Wt. Lbs.	10 — 15/16" Part No.	Wt. Lbs.	16 — 1 1/2 Part No.	Wt. Lbs.
18.0"	180J4	.04	180J6	.06	180J10	.09	180J16	.15
19.0	190J4	.04	190J6	.06	190J10	.10	190J16	.16
20.0	200J4	.04	200J6	.06	200J10	.10	200J16	.16
22.0	220J4	.05	220J6	.07	220J10	.11	220J16	.18
24.0	240J4	.05	240J6	.07	240J10	.12	240J16	.20
26.0	260J4	.06	260J6	.08	260J10	.13	260J16	.21
28.0	280J4	.06	280J6	.09	280J10	.14	280J16	.23
30.0	300J4	.06	300J6	.09	300J10	.15	300J16	.25
32.0	320J4	.06	320J6	.10	320J10	.16	320J16	.26
34.0	340J4	.06	340J6	.10	340J10	.17	340J16	.28
36.0	360J4	.07	360J6	.11	360J10	.18	360J16	.30
38.0	380J4	.08	380J6	.12	380J10	.20	380J16	.31
40.0	400J4	.08	400J6	.12	400J10	.21	400J16	.33
43.0	430J4	.09	430J6	.13	430J10	.22	430J16	.35
46.0	460J4	.09	460J6	.14	460J10	.24	460J16	.38
49.0	490J4	.10	490J6	.15	490J10	.25	490J16	.40
52.0	520J4	.11	520J6	.16	520J10	.27	520J16	.43
55.0	550J4	.11	550J6	.17	550J10	.28	550J16	.45
58.0	580J4	.12	580J6	.18	580J10	.30	580J16	.48
61.0	610J4	.13	610J6	.19	610J10	.31	610J16	.50
65.0	650J4	.13	650J6	.20	650J10	.33	650J16	.53
69.0	690J4	.14	690J6	.21	690J10	.35	690J16	.57
73.0	730J4	.15	730J6	.22	730J10	.37	730J16	.60
77.0	770J4	.16	770J6	.24	770J10	.40	770J16	.63
82.0	820J4	.17	820J6	.25	820J10	.42	820J16	.67
87.0	870J4	.18	870J6	.27	870J10	.45	870J16	.71
92.0	920J4	.19	920J6	.28	920J10	.47	920J16	.75
98.0	980J4	.20	980J6	.30	980J10	.50	980J16	.80

Table No. 2 — **Stock "L" Poly-V Belts**

Pitch Length	NUMBER OF RIBS AND BELT WIDTH: 6 = 1 1/8" Part No.	Wt. Lbs.	8 = 1 1/2" Part No.	Wt. Lbs.	10 = 1 7/8" Part No.	Wt. Lbs.	12 = 2 1/4" Part No.	Wt. Lbs.	14 = 2 5/8" Part No.	Wt. Lbs.	16 = 3" Part No.	Wt. Lbs.	20 = 3 3/4" Part No.	Wt. Lbs.
50.0"	500L6	.6	500L8	1.1	500L10	1.3	500L12	1.5	500L14	1.8	500L16	2.1	500L20	2.5
54.0	540L6	.9	540L8	1.0	540L10	1.4	540L12	1.8	540L14	2.3	540L16	2.3	540L20	2.7
56.0	560L6	.9	560L8	1.3	560L10	1.4	560L12	1.6	560L14	2.1	560L16	2.4	560L20	2.9
61.5	615L6	1.0	615L8	1.3	615L10	1.4	615L12	1.9	615L14	2.4	615L16	2.3	615L20	3.2
65.5	655L6	1.0	655L8	1.4	655L10	1.8	655L12	2.1	655L14	2.4	655L16	2.6	655L20	3.6
69.5	695L6	1.1	695L8	1.5	695L10	1.6	695L12	2.4	695L14	2.5	695L16	3.2	695L20	3.4
72.5	725L6	1.0	725L8	1.6	725L10	2.0	725L12	2.3	725L14	2.4	725L16	3.0	725L20	3.9
76.5	765L6	1.3	765L8	1.6	765L10	1.9	765L12	2.4	765L14	3.0	765L16	2.9	765L20	4.3
78.0	780L6	1.3	780L8	1.4	780L10	1.9	780L12	2.4	780L14	2.9	780L16	3.3	780L20	4.1
81.5	815L6	1.3	815L8	1.9	815L10	2.1	815L12	2.8	815L14	3.1	815L16	3.4	815L20	4.5
84.0	840L6	1.4	840L8	1.8	840L10	2.3	840L12	2.5	840L14	3.1	840L16	3.8	840L20	4.2
86.5	865L6	1.3	865L8	1.9	865L10	2.3	865L12	2.6	865L14	3.4	865L16	3.4	865L20	4.6
91.5	915L6	1.5	915L8	2.1	915L10	2.6	915L12	3.0	915L14	3.6	915L16	4.4	915L20	4.9
97.5	975L6	1.6	975L8	2.3	975L10	2.7	975L12	3.1	975L14	3.8	975L16	4.1	975L20	5.6
99.0	990L6	2.0	990L8	2.0	990L10	2.6	990L12	3.2	990L14	3.6	990L16	4.0	990L20	5.4
106.5	1065L6	1.8	1065L8	2.3	1065L10	2.8	1065L12	3.7	1065L14	3.9	1065L16	5.0	1065L20	5.9
112.0	1120L6	1.7	1120L8	2.3	1120L10	3.1	1120L12	3.9	1120L14	4.3	1120L16	4.9	1120L20	6.6
115.0	1150L6	1.8	1150L8	2.7	1150L10	3.4	1150L12	3.6	1150L14	4.2	1150L16	5.2	1150L20	6.4
121.5	1215L6	2.1	1215L8	2.4	1215L10	3.2	1215L12	4.4	1215L14	4.7	1215L16	5.6	1215L20	6.9
129.5	1295L6	2.1	1295L8	2.8	1295L10	3.5	1295L12	3.9	1295L14	4.6	1295L16	5.7	1295L20	6.6
131.0	1310L6	2.0	1310L8	2.7	1310L10	3.6	1310L12	4.3	1310L14	4.4	1310L16	4.8	1310L20	7.0
145.5	1455L6	2.4	1455L8	3.5	1455L10	4.4	1455L12	4.9	1455L14	5.5	1455L16	6.6	1455L20	8.1

Table No. 3 — **Stock "M" Poly-V Belts**

Pitch Length	NUMBER OF RIBS AND BELT WIDTH: 6 = 2 1/4" Part No.	Wt. Lbs.	8 = 3" Part No.	Wt. Lbs.	10 = 3 3/4" Part No.	Wt. Lbs.	12 = 4 1/2 Part No.	Wt. Lbs.	14 = 5 1/4" Part No.	Wt. Lbs.	16 = 6" Part No.	Wt. Lbs.	20 = 7 1/2 Part No.	Wt. Lbs.
90.0"	900M6	4.6	900M8	6.1	900M10	7.8	900M12	9.5	900M14	11.3	900M16	12.0	900M20	14.8
94.0	940M6	4.9	940M8	5.8	940M10	8.0	940M12	10.5	940M14	12.1	940M16	12.4	940M20	15.0
99.0	990M6	5.5	990M8	6.6	990M10	8.5	990M12	11.4	990M14	12.8	990M16	14.0	990M20	17.8
106.0	1060M6	5.5	1060M8	7.5	1060M10	8.7	1060M12	11.1	1060M14	13.5	1060M16	14.9	1060M20	18.5
115.0	1150M6	6.0	1150M8	8.4	1150M10	9.9	1150M12	12.0	1150M14	14.0	1150M16	15.8	1150M20	20.1
118.5	1185M6	6.3	1185M8	8.5	1185M10	10.1	1185M12	12.6	1185M14	14.8	1185M16	15.9	1185M20	21.3
123.0	1230M6	6.6	1230M8	8.4	1230M10	10.5	1230M12	12.7	1230M14	14.8	1230M16	17.3	1230M20	20.5
131.0	1310M6	6.8	1310M8	9.4	1310M10	11.0	1310M12	14.4	1310M14	15.5	1310M16	18.4	1310M20	21.8
139.0	1390M6	6.8	1390M8	9.3	1390M10	11.3	1390M12	14.1	1390M14	16.0	1390M16	18.8	1390M20	23.5
147.0	1470M6	7.1	1470M8	10.4	1470M10	12.0	1470M12	15.2	1470M14	17.5	1470M16	21.4	1470M20	23.4
161.0	1610M6	8.0	1610M8	11.1	1610M10	14.3	1610M12	17.3	1610M14	20.1	1610M16	21.8	1610M20	25.4
176.0	1760M6	9.5	1760M8	12.4	1760M10	15.6	1760M12	17.3	1760M14	21.8	1760M16	22.6	1760M20	32.2
183.0	1830M6	10.3	1830M8	13.0	1830M10	15.1	1830M12	19.3	1830M14	21.5	1830M16	25.0	1830M20	30.8
198.0	1980M6	10.5	1980M8	13.0	1980M10	17.1	1980M12	20.0	1980M14	24.8	1980M16	27.6	1980M20	32.8

DRIVE DESIGN AND INSTALLATION

Flat Belt and Pulley Drives, which preceded V-Belt and Sheave Drives, had many outstanding characteristics such as simplicity, flexibility and rugged strength. The continued popularity of flat belts has proven the desirability of retaining these characteristics in drive design.

V-Belt and Sheave Drives have had a rapidly increasing popularity due primarily to their ability to operate at high ratios on short centers and to retain contact between sheaves and belts even under extremely adverse conditions of misalignment and tension.

The combination of the superior qualities of both Flat Belt and V-Belt Drives resulted in the evolution of the Browning Poly-V Belt Drive. This drive offers the simplicity and strength of the flat belt combined with the high transmission capacity of V-belts on short centers. Poly-V Drives may be used for standard, speed-up or quarter-turn applications and most drives can be selected from stock, as covered by Drive Tables on Pages D-21 to D-33 inclusive. Refer unusual applications to the Browning Engineers.

Browning Poly-V Belts and Sheaves are carefully engineered and manufactured products requiring the application of normal basic design principles. Regardless of whether drives consist of stock or special items there are certain primary conditions with respect to the design of satisfactory drives. Those most commonly encountered are:

1. Drives should always be installed with provision for center distance adjustment. This is essential, because an adjustment is necessary after the belt has set and seated properly in the groove of the sheave. If centers must be fixed, idlers should be used.
2. If possible, centers should not exceed 3 times the sum of the sheave diameters nor be less than the diameter of the large sheave.
3. If possible, the arc of contact of the belt on the smaller sheave should not be less than 120°.
4. Belt speeds with cast iron sheaves cannot exceed 6500 feet per minute. Another type of drive is usually more desirable for speeds under 1000 feet per minute.
5. Special or dynamic balance may need consideration for belt speeds exceeding 5000 feet per minute.
6. Full consideration and allowance for overload capacity in drives increases belt life and improves operation. Study Page D-13 carefully.
7. Severe temperatures can have a major effect on belt life. There should be a full and free circulation of air around the drive. All drives operating in explosive atmosphere should be well grounded and use static conducting belts.

Watch these points carefully when installing drive:

8. Be sure that shafts are parallel and sheaves are in proper alignment. Check these points after eight hours of operation.
9. Do not drive sheaves on or off shafts. Be sure shafts and keyways are smooth and that bore and key are correct size. Remove burrs by dressing lightly with finishing file. Wipe shaft, key and bore clean with oil. Tighten all screws carefully. Recheck and retighten after eight hours of operation.
10. Do not force belt over sheave grooves. Slack off drive for easy mounting of belt. Align and adjust drive so that belt operates free and clear of all obstructions.
11. Belt tension is highly important. When in operation both tight and slack strands of the belt should be in a straight line from sheave to sheave, and with no sag or bow. Check belt tension after eight hours operation, followed by periodic inspections to be sure belt is under sufficient tension and that belt is not slipping.

Proper tension may be determined by the pounds of force required to deflect the belt 1/64" per inch of belt span shown in the table below.

Belt Section	Small Sheave P.D. Range	POUNDS FORCE PER RIB	
		Min.	Max.
J	.80" — 1.00"	1/4	5/16
	1.12 — 2.00	1/2	3/4
	2.12 — 3.15	9/16	7/8
	3.35 — 4.50	5/8	15/16
	5.00 — 6.00	11/16	1
L	3.0" — 3.6"	1 5/8	2 7/16
	3.8 — 4.8	2 1/16	3 1/8
	5.0 — 7.0	2 1/2	3 13/16
	7.2 — 9.2	2 3/4	4 1/8
	9.4 — 12.0	2 7/8	4 1/4
	12.0 — 14.0	3	4 1/2
M	7.0" — 9.0"	6 3/8	9 5/16
	9.2 — 11.0	7 5/16	11
	11.4 — 13.8	8 5/16	12 1/2
	14.0 — 18.0	9 1/8	13 5/8
	20.0 — 26.0	9 7/16	14 1/8
	30.0 — 44.0	9 7/8	14 13/16

12. Do not install a new belt on worn sheaves. Such sheaves should be replaced to insure a proper fit of the belt in the grooves and prevent slippage and belt wear.
13. Keep belt clean. Do not use belt dressing. If belt slips, clean and readjust belt tension.
14. Keep extra belts stored in a cool, dark, dry place.

CAUTION — Install guards according to applicable local and national codes.

OVERLOAD SERVICE FACTORS

Load and operating characteristics of both the Driving and Driven Units must be considered thoroughly in the selection of Browning Poly-V Drives. It is essential that all drives be designed for maximum load conditions to be encountered.

Most drives will at some time be overloaded, perhaps only momentarily, and it is good practice to have predetermined drive capacity to handle this overload. This predetermined drive capacity is insurance against breakdowns due to premature belt failure. The slight extra initial cost of a drive with this built-in capacity is generally regained and often surpassed by the longer belt life obtained. Multiply the required H.P. times the Overload Service Factor to get the Design H.P. of the Drive.

For good design and satisfactory drive life all drives must be selected with careful consideration to two fundamental conditions:

1. The Motor must have greater capacity than the Driven Unit.
2. The Drive must have greater capacity than the Motor.

A careful consideration of Overload Service Factors for various types of Driven Units, Drivers and other drive conditions is extremely important for satisfactory performance and life.

The following are suggested Overload Service Factors for various typical driven units:

Table No. 1 **Suggested Overload Service Factors for Typical Applications**

TYPES OF DRIVEN MACHINES	TYPES OF DRIVING UNITS					
	AC Motors; Normal Torque, Squirrel Cage, Synchronous and Split Phase. DC Motors; Shunt Wound. Multiple Cylinder Internal Combustion Engines.			AC Motors; High Torque, High Slip, Repulsion-Induction, Single Phase, Series Wound and Slip Ring. DC Motors; Series Wound and Compound Wound. Single Cylinder Internal Combustion Engines. Line Shafts. Clutches.		
	Intermittent Service (3-5 Hours Daily or Seasonal)	Normal Service (8-10 Hours Daily)	Continuous Service (16-24 Hours Daily)	Intermittent Service (3-5 Hours Daily or Seasonal)	Normal Service (8-10 Hours Daily)	Continuous Service (16-24 Hours Daily)
Agitators for Liquid Blowers and Exhausters Centrifugal Pumps and Compressors Fans up to 10 HP Light Duty Conveyors	1.0	1.1	1.2	1.1	1.2	1.3
Belt Conveyors For Sand, Grain, etc. Dough Mixers Fans Over 10 HP Generators Line Shafts Laundry Machinery Machine Tools Punches-Presses-Shears Printing Machinery Positive Displacement Rotary Pumps Revolving and Vibrating Screens Speed Reducers — ALL Types	1.1	1.2	1.3	1.2	1.3	1.4
Brick Machinery Bucket Elevators Exciters Piston Compressors Conveyors (Drag-Pan-Screw) Hammer Mills Paper Mill Beaters Piston Pumps Positive Displacement Blowers Pulverizers Saw Mill and Woodworking Machinery Textile Machinery	1.2	1.3	1.4	1.4	1.5	1.6
Crushers (Gyratory-Jaw-Roll) Mills (Ball-Rod-Tube) Hoists Rubber Calendars-Extruders-Mills	1.3	1.4	1.5	1.5	1.6	1.8

A minimum Service factor of 2.0 is suggested for equipment subject to choking.*

* CAUTION — Drives requiring high Overload Service Factors, such as crushing machinery, and certain reciprocating compressors subjected to heavy shock load without suitable Fly wheels, may need heavy duty web type sheaves rather than standard arm type. For any such application, consult the Browning Engineers.

Drive Selection Chart

Table No. 1

H.P.	Nominal Drive Speed						
	3600	1800	1500	1200	900	700	500
1/4	J	J	J	J	J	J	—
1/3	J	J	J	J	J	J	—
1/2	J	J	J	J	J	J or L	—
3/4	J	J	J or L	J or L	J or L	J or L	—
1	J	J or L	J or L	J or L	J or L	L	—
2	J or L	J or L	L	L	L	L	—
3	J or L	J or L	L	L	L	L	—
5	J or L	J or L	L	L	L	L	—
7 1/2	J or L	L	L	L	L	L	—
10	L	L	L	L	L	L or M	M
15	L	L	L	L or M	L or M	L or M	M
20	L	L or M	L or M	L or M	L or M	L or M	M
25	—	L or M	L or M	L or M	L or M	M	M
30	—	L or M	L or M	M	M	M	M
40	—	L or M	M	M	M	M	M
50	—	M	M	M	M	M	M
60	—	M	M	M	M	M	M
75	—	M	M	M	M	M	M
100	—	M	M	M	M	M	M
125	—	M	M	M	M	M	M
150	—	M	M	M	M	M	M
200	—	M	M	M	M	M	M
250	—	M	M	M	M	M	M

Standard POLY-V Sheave Face Widths

Table No. 2

Number of Grooves	"J" Face Width	"L" Face Width	"M" Face Width	Number of Grooves	"L" Face Width	"M" Face Width
4	9/16"	1 5/16"	2 1/8"	36	7 1/4"	13 15/16"
6	3/4	1 11/16	2 7/8	38	7 5/8	14 11/16
8	15/16	2 1/16	3 9/16	40	8	15 7/16
10	1 1/8	2 7/16	4 5/16	42	8 3/8	16 3/16
12	1 9/32	2 13/16	5 1/16	44	8 11/16	16 15/16
14	1 15/32	3 3/16	5 13/16	46	9 1/16	17 5/8
16	1 21/32	3 9/16	6 9/16	48	9 7/16	18 3/8
18	1 27/32	3 15/16	7 5/16	50	9 13/16	19 1/8
20	2 1/32	4 1/4	8	52	10 3/16	19 7/8
22	2 7/32	4 5/8	8 3/4	54	10 9/16	20 5/8
24	2 13/32	5	9 1/2	56	10 15/16	21 3/8
26	2 19/32	5 3/8	10 1/4	58	11 5/16	22 1/16
28	2 3/4	5 3/4	11	60	11 11/16	22 13/16
30	2 15/16	6 1/8	11 3/4	62	12 1/16	23 9/16
32	—	6 1/2	12 1/2	64	12 7/16	24 5/16
34	—	6 7/8	13 3/16			

Minimum diameter "J" Sheave — .8" P. D.
"L" Sheave — 3.0" P. D.
"M" Sheave — 7.0" P. D.

The Minimum diameters listed above have been adopted by the MPTA (Mechanical Power Transmission Association) and RMA (Rubber Manufacturers Association) are based upon belt service. NEMA (National Electrical Manufactures Association) or other Standards may specify minimum requirements. Please submit complete details to the BROWNING engineers for proper selections. If an inquiry does not specify a particular Standard, sheaves will usually be selected to conform to the RMA minimums

Belt Ratings

Poly-V Belt Ratings shown on Pages D-16 to D-19 must be corrected by factors for Loss in Arc of Contact and Belt Length as shown below. In the Drive tables on Pages D-21 to D-33 these factors have been combined and called the Arc-Length factors and specified by "F" in the table headings.

Correction Factor for Loss in Arc of Contact

Table No. 3

The loss in arc of contact from 180° between belts and small sheaves for different drives can be determined in the following manner:

$$\text{Loss in Arc of Contact (in degrees)} = \frac{(D - d)\,57}{C}$$

The Correction Factors for loss in arc of contact are:

Loss in Arc of Contact	Correction Factor	Loss in Arc of Contact	Correction Factor
0°	1.00	50°	.84
10°	.97	60°	.80
20°	.94	70°	.76
30°	.91	80°	.72
40°	.88		

Correction Factors for Belt Length

Table No. 4

Longer belts have greater H.P. ratings because of less frequent flexure around sheaves.

Multiply H.P. ratings by appropriate factor from table below to obtain corrected H.P.

Nominal Pitch Length	Length Factors			Nominal Pitch Length	Length Factors	
	"J" Belts	"L" Belts	"M" Belts		"L" Belts	"M" Belts
18"	.78	—	—	123"	1.00	.90
20	.79	—	—	131	1.01	.91
24	.82	—	—	147	1.03	.93
28	.85	—	—	161	1.04	.94
32	.87	—	—	183	1.06	.96
36	.89	—	—	198	1.07	.97
40	.91	—	—	213	1.08	.98
44	.93	—	—	241	1.10	1.00
50	.96	.85	—	271	—	1.01
55	.98	.87	—	301	—	1.03
61	1.00	.88	—	331	—	1.04
69	1.02	.90	—	361	—	1.06
78	1.04	.93	.85	391	—	1.07
91	1.07	.95	.86	421	—	1.08
94	1.08	.96	.86	481	—	1.10
99	1.09	.96	.87	541	—	1.12
106	—	.98	.88	600	—	1.14
115	—	.99	.89			

Belt Velocity

Bell Velocity is not needed for calculation of drives as the horsepower ratings shown on pages D-16 to D-19 are based on R.P.M. of sheaves. If belt velocity is desired for any reason, use the following formula. Belt Velocity in Feet per

Minute = P.D. of Sheave x .2618 x Speed of Sheave (RPM).

Allowance for Installation and Take-Up

The Center Distances obtained from the Drive Tables, pages D-21 to D-33 inclusive, are for normal length belt under proper operating tension. Provision must be made for mounting the belts, subsequent take up for belt wear and stretch, and belt manufacturing tolerance. These factors can be consolidated into a single factor of overall adjustment as shown in table below.

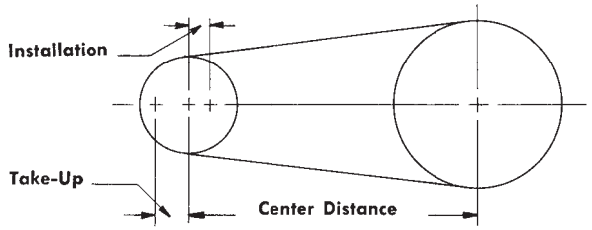


Table No. 1

Nominal Pitch Length	Minimum Center Distance Allowance			
	For Installation			For Initial Tension and Take-up
	J	L	M	
Up to 20"	.4"	—	—	.3"
21" to 40"	.5	—	—	.5
41 to 60	.6	.9"	—	.7
61 to 80	.6	.9	—	.9
81 to 100	.7	1.0	1.5"	1.1
101 to 120	.8	1.1	1.6	1.3
121 to 160	—	1.2	1.7	1.7
161 to 200	—	1.3	1.8	2.2
201 to 240	—	1.4	1.9	2.6
241 to 300	—	—	2.2	3.3
301 to 360	—	—	2.3	3.9
361 to 420	—	—	2.6	4.6
421 to 480	—	—	2.9	5.2
481 to 540	—	—	3.2	5.8
541 to 600			3.6	6.5

To Select a Browning Poly-V Drive

Most drives can be selected from the pre - selected Drive Tables on Pages D-21 to D-33, see example, Page D-20. In many cases not actually in these tables, drives may be selected by interpolation of the values in the tables. Other drives may be selected os follows:

1. Determine the Design Horsepower of the drive by multiplying the driver H.P. by the service factor determined by carefully considering the type of driver, the driven machine and other drive conditions from Page D-13.
2. Select the Belt Section to be used from Table No. 1, Page D-14.
3. Determine the Speed Ratio by dividing the driver speed by the desired driven speed; Driven Speed by Driver Speed for Speed-Up Drives.
4. Determine the Sheave Sizes. If the desired small sheave size is known, multiply its pitch diameter by the ratio from Step 3 to get the large sheave diameter. If the large sheave size is known, divide its pitch diameter by the ratio to get the small sheave diameter. If neither is known, a good place to start is by using the minimum recommended sheave size from Table No. 2, Page D-14, for the small sheave.
5. Find the Center Distance and Belt Length. If no desired center distance is known, a practical suggestion is made in guideline No. 3 on Page D-12. To keep belts short and economical, start with a center distance slightly longer than the large sheave diameter. Belt Length is determined by the fallowing formula:

$$L = 2C + 1.57\,(D + d) + \frac{(D - d)^2}{4C}$$

Where:

L = Belt Length
C = Center Distance
D = Pitch Diameter of Large Sheave
d = Pitch Diameter of Small Sheave

When this formula is worked and belt length is not one listed as stock on Page D-11, adjust the center distance to suit by adding or subtracting 1/2 the difference in calculated belt length and the actual belt length. For example, if the solution of the formula gives an "L" belt length of 85" use an 84" stock belt and decrease the center distance by 1/2", or use an 86.5" stock belt and increase the center distance by 3/4". If centers are fixed, use the stock belt just longer than the calculated length and use an idler on the slack side of the belt.

6. Determine the H.P. per Rib by referring to tables on Pages D-16 to D-19 and selecting the basic rating for the small sheave at its speed. The small sheave in the drive is the driver for speed reduction drives and the driven for speed-up drives. Add the "Drive Ratio Correction" from the same table for the speed of the small sheave and the ratio determined in Step 3. For example, from Table No. 2, Page D-19, the basic rating for a 12.0 sheave at 1750 RPM is 16.59 H.P. and the "Drive Ratio Correction" for a 1.95 ratio is 1.26. The H.P. per Rib is 16.59 + 1.26 = 17.85.
7. Determine the Number of Ribs needed by dividing the Design H.P. from Step 1 by the H.P. per Rib from Step 6.
8. List Drive Components. A drive selected by the above method may have one stock sheave and one special sheave or no stock sheave (If both are stock, the drive should have been selected from the pre-selected drive tables). Stock Sheaves and Bushings required may be selected from Pages D-2 to D-10 and Stock Belts from Page D-11.

SPEED UP DRIVES may be calculated by the above instructions. The only precautions are that in Step 6 the H.P. rating must be selected for the SMALLER SHEAVE at ITS speed and that excessive belt speed is not encountered. If belt speed is too high, H.P. rating will not appear in the tables on pages D-16 to D-19.

"J" POLY-V BELT RATINGS - HORSEPOWER PER RIB

("Drive Ratio Correction" Must Be ADDED to Ratings Listed Below)

Table No. 1

RPM of Smaller Sheave	SHEAVE PITCH DIAMETERS																	
	.80"	.90"	1.00"	1.10"	1.20"	1.30"	1.40"	1.50"	1.60"	1.70"	1.80"	1.90"	2.00"	2.10"	2.20"	2.30"	2.40	2.50"
1160	.02	.03	.05	.06	.07	.08	.10	.11	.12	.13	.15	.16	.17	.18	.19	.21	.22	.23
1750	.02	.04	.06	.08	.10	.11	.13	.15	.17	.19	.20	.22	.24	.26	.27	.29	.31	.33
3500	.02	.05	.09	.12	.16	.19	.22	.26	.29	.32	.36	.39	.42	.45	.48	.52	.55	.58
200	.01	.01	.02	.02	.02	.02	.03	.03	.03	.03	.04	.04	.04	.04	.05	.05	.05	.05
400	.01	.02	.02	.03	.03	.04	.04	.05	.05	.06	.06	.07	.07	.08	.08	.08	.09	.09
600	.02	.02	.03	.04	.04	.05	.06	.06	.07	.08	.08	.09	.10	.11	.11	.12	.12	.13
800	.02	.03	.04	.05	.05	.06	.07	.08	.09	.10	.11	12	.12	.13	.14	.15	.16	.17
1000	.02	.03	.04	.05	.06	.07	.09	.10	.11	.12	.13	.14	.15	.16	.17	.18	.19	.20
1200	.02	.03	.05	.06	.07	.09	.10	.11	.12	.14	.15	.16	.17	.19	.20	.21	.22	.24
1400	.02	.04	.05	.07	.08	.10	.11	.13	.14	.16	.17	.18	.20	.21	.23	.24	.26	.27
1600	.02	.04	.06	.07	.09	.11	.12	.14	.16	.17	.19	.21	.22	.24	.25	.27	.29	.30
1800	.02	.04	.06	.08	.10	.12	.14	.15	.17	.19	.21	.23	.24	.26	.28	.30	.32	.33
2000	.02	.04	.06	.08	.11	.13	.15	.17	.19	.21	.23	.25	.27	.29	.31	.33	.35	.36
2200	.02	.04	.07	.09	.11	.14	.16	.18	.20	.22	.25	.27	.29	.31	.33	.35	.37	.39
2400	.02	.05	.07	.10	.12	.14	.17	.19	.22	.24	.26	.29	.31	.33	.36	.38	.40	.42
2600	.02	.05	.07	.10	.13	.15	.18	.21	.23	.26	.28	.31	.33	.36	.38	.41	.43	.45
2800	.02	.05	.08	.11	.13	.16	.19	.22	.24	.27	.30	.33	.35	.38	.40	.43	.46	.48
3000	.02	.05	.08	.11	.14	.17	.20	.23	.26	.29	.32	.34	.37	.40	.43	.46	.48	.51
3200	.02	.05	.08	.12	.15	.18	.21	.24	.27	.30	.33	.36	.39	.42	.45	.48	.51	.54
3400	.02	.05	.09	.12	.15	.19	.22	.25	.28	.32	.35	.38	.41	.44	.47	.50	.53	.56
3600	.02	.05	.09	.12	.16	.19	.23	.26	.30	.33	.36	.40	.43	.46	.50	.53	.56	.59
3800	.02	.05	.09	.13	.17	.20	.24	.27	.31	.35	.38	.42	.45	.48	.52	.55	.58	.62
4000	.01	.05	.09	.13	.17	.21	.25	.29	.32	.36	.40	.43	.47	.50	.54	.57	.61	.64
4400	.01	.06	.10	.14	.18	.22	.27	.31	.35	.39	.43	.47	.50	.54	.58	.62	.65	.69
4800	.01	.06	.10	.15	.19	.24	.28	.33	.37	.41	.46	.50	.54	.58	.62	.66	.70	.74
5200	.01	.06	.11	.16	.20	.25	.30	.35	.39	.44	.48	.53	.57	.62	.66	.70	.74	.78
5600	—	.06	.11	.16	.21	.26	.32	.37	.41	.46	.51	.56	.60	.65	.69	.74	.78	.82
6000	—	.06	.11	.17	.22	.28	.33	.38	.43	.49	.54	.59	.63	.68	.73	.77	.82	.86
6400	—	.06	.11	.17	.23	.29	.34	.40	.45	.51	.56	.61	.66	.71	.76	.81	.86	.90
6800	—	.05	.12	.18	.24	.30	.36	.42	.47	.53	.58	.64	.69	.74	.79	.84	.89	.93
7200	—	.05	.12	.18	.25	.31	.37	.43	.49	.55	.61	.66	.72	.77	.82	.87	.92	.97
7600	—	.05	.12	.19	.25	.32	.38	.45	.51	.57	.63	.68	.74	.79	.85	.90	.95	.99
8000	—	.05	.12	.19	.26	.33	.40	.46	.52	.59	.65	.70	.76	.82	.87	.92	.97	1.02
8400	—	.05	.12	.20	.27	.34	.41	.47	.54	.60	.66	.72	.78	.84	.89	.94	.99	1.04
8800	—	.05	.12	.20	.27	.35	.42	.49	.55	.62	.68	.74	.80	.86	.91	.96	1.01	1.06
9200	—	.04	.12	.20	.28	.35	.43	.50	.57	.63	.70	.76	.82	.88	.93	.98	1.03	1.08
9600	—	.04	.12	.20	.28	.36	.44	.51	.58	.65	.71	.77	.83	.89	.94	1.00	1.04	1.09
10000	—	.04	.12	.21	.29	.37	.44	.52	.59	.66	.72	.79	.85	90	.96	1.01	1.05	—

For belt speeds above 6500 F.P.M., sheaves require special construction, special material and Dynamic Balancing; consult the Browning Engineers.

"J" POLY-V BELT RATINGS - HORSEPOWER PER RIB

("Drive Ratio Correction" Must Be ADDED to Ratings Listed Below)

Table No. 1

RPM of Smaller Sheave	SHEAVE PITCH DIAMETER										DRIVE RATIO CORRECTION								
	2.60"	2.80"	3.00"	3.20"	3.40	4.00"	4.50"	5.00"	6.00"	8.00"	1.02-1.05	1.06-1.11	1.12-1.18	1.19-1.26	1.27-1.38	1.39—1.57	1.58-1.94	1.95-3.38	3.39 or more
1160	.24	.26	.29	.31	.33	.40	.46	.51	.62	.83	.00	.01	.01	.01	.01	.01	.01	.01	.02
1750	.34	.38	.41	.44	.48	.57	.65	.73	.88	1.16	.01	.01	.01	.01	.02	.02	.02	.02	.02
3500	.61	.67	.73	.79	.84	1.01	1.13	1.25	1.47	—	.01	.01	.02	.02	.03	.03	.03	.04	.04
200	.06	.06	.06	.07	.07	.09	.10	.11	.13	.18	.00	.00	.00	.01	.01	.01	.01	.01	.01
400	.10	.11	.12	.12	.13	.16	.18	.20	.24	.33	.00	.00	.01	.01	.01	.01	.01	.01	.01
600	.14	.15	.16	.18	.19	.23	.26	.29	.35	.47	.00	.01	.01	.01	.01	.01	.01	.01	.01
800	.18	.19	.21	.23	.24	.29	.33	.37	.45	.60	.00	.01	.01	.01	.01	.01	.01	.01	.01
1000	.21	.23	.25	.27	.29	.35	.40	.45	.55	.73	.00	.01	.01	.01	.01	.01	.01	.01	.01
1200	.25	.27	.30	.32	.34	.41	.47	.53	.64	.85	.00	.01	.01	.01	.01	.01	.01	.02	.02
1400	.28	.31	.34	.37	.39	.47	.54	.60	.73	.97	.01	.01	.01	.01	.01	.01	.02	.02	.02
1600	.32	.35	.38	.41	.44	.53	.60	.68	.82	1.08	.01	.01	.01	.01	.01	.02	.02	.02	.02
1800	.35	.39	.42	.45	.49	.59	.67	.75	.90	1.18	.01	.01	.01	.01	.02	.02	.02	.02	.02
2000	.38	.42	.46	.50	.53	.64	.73	.82	.98	1.28	.01	.01	.01	.01	.02	.02	.02	.02	.02
2200	.42	.46	.50	.54	.58	.69	.79	.88	1.06	1.37	.01	.01	.01	.02	.02	.02	.02	.02	.03
2400	.45	.49	.53	.58	.62	.75	.85	.95	1.13	1.46	.01	.01	.01	.02	.02	.02	.02	.03	.03
2600	.48	.52	.57	.62	.66	.80	.90	1.01	1.20	1.53	.01	.01	.01	.02	.02	.02	.03	.03	.03
2800	.51	.56	.61	.66	.71	.85	.96	1.07	1.27	1.60	.01	.01	.01	.02	.02	.03	.03	.03	.03
3000	.54	.59	.64	.69	.75	.89	1.01	1.12	1.33	1.66	.01	.01	.02	.02	.02	.03	.03	.03	.03
3200	.57	.62	.68	.73	.79	.94	1.06	1.18	1.39	—	.01	.01	.02	.02	.02	.03	.03	.03	.04
3400	.59	.65	.71	.77	.82	.98	1.11	1.23	1.44	—	.01	.01	.02	.02	.03	.03	.03	.04	.04
3600	.62	.68	.74	.80	.86	1.03	1.16	1.28	1.49	—	.01	.01	.02	.02	.03	.03	.03	.04	.04
3800	.65	.71	.78	.84	.90	1.07	1.20	1.32	1.53	—	.01	.01	.02	.02	.03	.03	.04	.04	.04
4000	.68	.74	.81	.87	.93	1.11	1.24	1.37	1.57	—	.01	.01	.02	.03	.03	.03	.04	.04	.04
4400	.73	.80	.87	.93	1.00	1.18	1.32	1.44	—	—	.01	.01	.02	.03	.03	.04	.04	.04	.05
4800	.78	.85	.92	.99	1.06	1.25	1.39	1.50	—	—	.01	.01	.02	.03	.03	.04	.04	.05	.05
5200	.82	.90	.98	1.05	1.12	1.31	1.44	—	—	—	.01	.02	.02	.03	.04	.04	.05	.05	.06
5600	.87	.95	1.03	1.10	1.17	1.36	—	—	—	—	.01	.02	.03	.03	.04	.05	.05	.06	.06
6000	.91	.99	1.07	1.15	1.22	1.40	—	—	—	—	.01	.02	.03	.04	.04	.05	.06	.06	.06
6400	.94	1.03	1.11	1.19	1.26	—	—	—	—	—	.01	.02	.03	.04	.05	.05	.06	.06	.07
6800	.98	1.07	1.15	1.22	1.29	—	—	—	—	—	.01	.02	.03	.04	.05	.06	.06	.07	.07
7200	1.01	1.10	1.18	1.25	1.32	—	—	—	—	—	.01	.02	.03	.04	.05	.06	.07	.07	.07
7600	1.04	1.13	1.20	1.28	—	—	—	—	—	—	.01	.02	.03	.04	.05	.06	.07	.07	.08
8000	1.07	1.15	1.23	—	—	—	—	—	—		.01	.02	.04	.05	.06	.06	.07	.08	.08
8400	1.09	1.17	—	—	—	—	—	—	—	—	.01	.02	.04	.05	.06	.07	.08	.08	.09
8800	1.10	1.18	—	—	—	—	—	—	—	—	.01	.02	.04	.05	.06	.07	.08	.09	.09
9200	1.12	—	—	—	—	—	—	—	—	—	.01	.02	.04	.05	.06	.07	.08	.09	.09
9600	—	—	—	—	—	—	—	—	—	—	.01	.03	.04	.06	.07	.08	.09	.09	.10
10000	—	—	—	—	—	—	—	—	—	—	.01	.03	.04	.06	.07	.08	.09	.10	.10

Note—Add "Drive Ratio Correction" to Basic Rating. For example, the Basic Rating for a "J" Poly-V Belt on a 3.0" P.D. Sheave at 3500 RPM is .73 and the "Drive Ratio Correction" for 1.50 ratio is .03, and total Rating is .76 H.P. per Rib.

D

"L" POLY-V BELT RATINGS - HORSEPOWER PER RIB

Table No. 1

("Drive Ratio Correction" Must Be ADDED to Ratings Listed Below)

RPM of Smaller Sheave	SHEAVE PITCH DIAMETER																
	3.00"	3.20"	3.40"	3.60"	3.80"	4.00"	4.20"	4.40"	4.60"	4.80"	5.00"	5.20"	5.40"	5.60"	5.80"	6.00"	6.20"
870	.60	.68	.77	.85	.93	1.01	1.09	1.17	1.25	1.33	1.41	1.49	1.57	1.64	1.72	1.80	1.88
1160	.75	.86	.96	1.07	1.17	1.28	1.38	1.49	1.59	1.69	1.79	1.90	2.00	2.10	2.20	2.29	2.39
1750	1.02	1.18	1.33	1.48	1.63	1.78	1.93	2.08	2.22	2.37	2.51	2.65	2.79	2.93	3.07	3.21	3.34
3500	1.64	1.91	2.17	2.43	2.69	2.94	3.18	3.42	3.66	3.88	4.11	4.32	4.53	4.73	4.93	5.11	5.30
200	.19	.21	.23	.25	.27	.29	.32	.34	.36	.38	.40	.42	.44	.46	.48	.50	.52
400	.32	.37	.41	.45	.49	.53	.57	.61	.65	.69	.73	.77	.80	.84	.88	.92	.96
600	.45	.51	.57	.62	.68	.74	.80	.86	.91	.97	1.03	1.08	1.14	1.20	1.25	1.31	1.36
800	.56	.64	.72	.79	.87	.94	1.02	1.09	1.17	1.24	1.31	1.39	1.46	1.53	1.60	1.67	1.75
1000	.67	.76	.86	.95	1.04	1.13	1.22	1.32	1.41	1.50	1.58	1.67	1.76	1.85	1.94	2.03	2.11
1200	.77	.88	.99	1.10	1.21	1.32	1.42	1.53	1.64	1.74	1.85	1.95	2.05	2.16	2.26	2.36	2.46
1400	.86	.99	1.12	1.24	1.37	1.49	1.61	1.74	1.86	1.98	2.10	2.21	2.33	2.45	2.57	2.68	2.80
1600	.96	1.10	1.24	1.38	1.52	1.66	1.80	1.93	2.07	2.20	2.34	2.47	2.60	2.73	2.86	2.99	3.12
1800	1.04	1.20	1.36	1.51	1.67	1.82	1.97	2.12	2.27	2.42	2.57	2.71	2.86	3.00	3.14	3.28	3.42
2000	1.13	1.30	1.47	1.64	1.81	1.98	2.14	2.31	2.47	2.63	2.79	2.95	3.10	3.26	3.41	3.56	3.71
2200	1.21	1.39	1.58	1.76	1.95	2.13	2.30	2.48	2.66	2.83	3.00	3.17	3.33	3.50	3.66	3.82	3.98
2400	1.28	1.48	1.68	1.88	2.08	2.27	2.46	2.65	2.83	3.02	3.20	3.38	3.55	3.73	3.90	4.07	4.23
2600	1.35	1.57	1.78	1.99	2.20	2.41	2.61	2.81	3.00	3.20	3.39	3.58	3.76	3.94	4.12	4.30	4.47
2800	1.42	1.65	1.88	2.10	2.32	2.54	2.75	2.96	3.17	3.37	3.57	3.76	3.96	4.15	4.33	4.51	4.69
3000	1.49	1.73	1.97	2.20	2.43	2.66	2.88	3.10	3.32	3.53	3.74	3.94	4.14	4.33	4.52	4.71	4.89
3200	1.55	1.80	2.05	2.30	2.54	2.78	3.01	3.24	3.46	3.68	3.89	4.10	4.31	4.50	4.70	4.89	5.07
3400	1.61	1.87	2.13	2.39	2.64	2.89	3.13	3.36	3.59	3.82	4.04	4.25	4.46	4.66	4.85	5.04	5.23
3600	1.66	1.94	2.21	2.48	2.74	2.99	3.24	3.48	3.72	3.95	4.17	4.39	4.60	4.80	4.99	5.18	5.36
3800	1.71	2.00	2.28	2.56	2.82	3.09	3.34	3.59	3.83	4.06	4.29	4.51	4.72	4.92	5.11	5.30	5.47
4000	1.76	2.06	2.35	2.63	2.91	3.17	3.43	3.69	3.93	4.17	4.39	4.61	4.82	5.02	5.21	5.39	5.56
4200	1.80	2.11	2.41	2.70	2.98	3.26	3.52	3.78	4.02	4.26	4.49	4.70	4.91	5.10	5.29	—	—
4400	1.84	2.16	2.47	2.76	3.05	3.33	3.60	3.85	4.10	4.34	4.56	4.78	4.98	5.17	—	—	—
4600	1.88	2.20	2.52	2.82	3.11	3.39	3.66	3.92	4.17	4.40	4.62	4.83	—	—	—	—	—
4800	1.91	2.24	2.56	2.87	3.16	3.45	3.72	3.98	4.22	4.45	4.67	—	—	—	—	—	—
5000	1.94	2.28	2.60	2.91	3.21	3.50	3.77	4.02	4.26	4.49	—	—	—	—	—	—	—

For belt speeds above 6500 F.P.M., sheaves require special construction, special material and Dynamic Balancing; consult the Browning Engineers.

"M" POLY-V BELT RATINGS - HORSEPOWER PER RIB

Table No. 2

("Drive Ratio Correction" Must Be ADDED to Ratings Listed Below)

RPM of smaller Sheave	SHEAVE PITCH DIAMETER																
	7.00"	7.20"	7.40"	7.60"	7.80"	8.00"	8.20"	8.40"	8.60"	8.80"	9.00"	9.20"	9.40"	9.60"	10.00"	10.60"	11.00"
700	3.78	4.00	4.21	4.43	4.64	4.85	5.07	5.28	5.49	5.70	5.91	6.12	6.33	6.54	6.95	7.56	7.97
870	4.46	4.72	4.98	5.24	5.50	5.75	6.01	6.26	6.52	6.77	7.02	7.27	7.52	7.77	8.26	8.99	9.47
1160	5.50	5.83	6.16	6.48	6.81	7.13	7.45	7.77	8.09	8.40	8.72	9.03	9.34	9.64	10.25	11.15	11.73
1750	7.14	7.59	8.03	8.46	8.89	9.31	9.73	10.14	10.55	10.95	11.35	11.74	12.13	12.51	13.25	14.32	15.00
200	1.38	1.46	1.53	1.60	1.67	1.74	1.81	1.87	1.94	2.01	2.08	2.15	2.22	2.29	2.43	2.63	2.76
400	2.43	2.56	2.69	2.82	2.96	3.09	3.22	3.35	3.48	3.60	3.73	3.86	3.99	4.12	4.37	4.75	5.00
600	3.35	3.54	3.73	3.92	4.11	4.29	4.48	4.66	4.85	5.03	5.22	5.40	5.58	5.77	6.13	6.67	7.03
800	4.19	4.43	4.67	4.91	5.15	5.39	5.63	5.87	6.10	6.34	6.57	6.81	7.04	7.27	7.73	8.42	8.87
1000	4.94	5.24	5.53	5.82	6.11	6.40	6.68	6.97	7.25	7.53	7.81	8.00	8.37	8.64	9.19	10.00	10.53
1200	5.63	5.97	6.31	6.64	6.98	7.31	7.64	7.96	8.29	8.61	8.93	9.25	9.57	9.88	10.50	11.42	12.02
1400	6.24	6.63	7.01	7.38	7.75	8.12	8.49	8.86	9.22	9.57	9.93	10.28	10.63	10.97	11.65	12.65	13.30
1600	6.79	7.21	7.62	8.03	8.44	8.84	9.24	9.64	10.03	10.41	10.79	11.17	11.54	11.91	12.63	13.68	14.36
1800	7.25	7.71	8.15	8.59	9.03	9.46	9.88	10.30	10.71	11.12	11.52	11.91	12.30	12.68	13.43	14.50	15.18
2000	7.64	8.12	8.59	9.05	9.51	9.96	10.40	10.84	11.26	11.68	12.09	12.50	12.89	13.28	14.03	15.08	15.74
2200	7.95	8.44	8.93	9.41	9.88	10.35	10.80	11.24	11.67	12.09	12.51	12.91	13.30	13.68	14.41	15.41	16.03
2400	8.16	8.67	9.17	9.66	10.14	10.60	11.06	11.50	11.93	12.34	12.74	13.13	13.51	13.87	14.56	—	—
2600	8.28	8.80	9.31	9.79	10.27	10.73	11.17	11.60	12.02	12.42	12.80	13.16	13.51	—	—	—	—
2800	8.31	8.82	9.32	9.80	10.27	10.71	11.14	11.55	11.94	12.30	—	—	—	—	—	—	—
3000	8.23	8.73	9.22	9.68	10.12	10.54	10.94	—	—	—	—	—	—	—	—	—	—
3200	8.04	8.52	8.99	9.42	—	—	—	—	—	—	—	—	—	—	—	—	—

For belt speeds above 6500 F.P.M., sheaves require special construction, special material and Dynamic Balancing; consult the Browning Engineers.

"L" POLY-V BELT RATINGS - HORSEPOWER PER RIB

Table No. 1

("Drive Ratio Correction" Must Be ADDED to Ratings Listed Below)

RPM of Smaller Sheave	SHEAVE PITCH DIAMETER							DRIVE RATIO CORRECTION								
	6.40"	7.00"	7.40"	8.00"	9.00"	10.00"	11.00"	1.02-1.05	1.06-1.11	1.12-1.18	1.19-1.26	1.27-1.38	1.39-1.57	1.58-1.94	1.95-3.38	3.39 or more
870	1.95	2.18	2.33	2.56	2.92	3.28	3.63	.01	.02	.04	.05	.06	.07	.08	.09	.09
1160	2.49	2.78	2.97	3.26	3.72	4.16	4.60	.01	.03	.05	.07	.08	.09	.11	.12	.12
1750	3.48	3.88	4.13	4.51	5.11	5.68	6.20	.02	.04	.08	.10	.12	.14	.16	.17	.18
3500	5.47	5.95	—	—	—	—	—	.03	.09	.15	.20	.24	.28	.31	.34	.36
200	.55	.61	.65	.71	.81	.91	1.00	.01	.01	.01	.02	.02	.02	.02	.02	.02
400	1.00	1.11	1.19	1.30	1.49	1.67	1.85	.01	.01	.02	.03	.03	.04	.04	.04	.04
600	1.42	1.58	1.69	1.85	2.12	2.38	2.64	.01	.02	.03	.04	.04	.05	.06	.06	.07
800	1.82	2.03	2.17	2.38	2.72	3.06	3.38	.01	.02	.04	.05	.06	.07	.07	.08	.09
1000	2.20	2.46	2.62	2.88	3.29	3.69	4.08	.01	.03	.04	.06	.07	.08	.09	.10	.11
1200	2.56	2.86	3.06	3.35	3.82	4.28	4.72	.01	.03	.05	.07	.08	.10	.11	.12	.13
1400	2.91	3.25	3.47	3.79	4.32	4.83	5.31	.02	.04	.06	.08	.10	.11	.13	.14	.15
1600	3.24	3.61	3.86	4.21	4.79	5.33	5.84	.02	.04	.07	.09	.11	.13	.15	.16	.17
1800	3.56	3.96	4.22	4.61	5.22	5.79	6.32	.02	.05	.08	.10	.12	.15	.16	.18	.19
2000	3.86	4.29	4.57	4.97	5.61	6.19	6.72	.02	.05	.09	.11	.14	.16	.18	.20	.21
2200	4.14	4.59	4.88	5.30	5.96	6.54	7.05	.02	.06	.09	.13	.15	.18	.20	.22	.23
2400	4.60	4.87	5.17	5.61	6.26	6.83	—	.02	.06	.10	.14	.16	.19	.22	.23	.25
2600	4.64	5.13	5.44	5.87	6.51	—	—	.03	.06	.11	.15	.18	.21	.23	.25	.27
2800	4.86	5.36	5.67	6.10	—	—	—	.03	.07	.12	.16	.19	.22	.25	.27	.29
3000	5.07	5.56	5.87	6.29	—	—	—	.03	.07	.13	.17	.20	.24	.27	.29	.31
3200	5.25	5.74	6.04	—	—	—	—	.03	.08	.13	.18	.22	.25	.29	.31	.33
3400	5.40	5.88	—	—	—	—	—	.03	.08	.14	.19	.23	.27	.30	.33	.35
3600	5.53	—	—	—	—	—	—	.03	.09	.15	.20	.25	.29	.32	.35	.37
3800	5.64	—	—	—	—	—	—	.04	.09	.16	.21	.26	.30	.34	.37	.39
4000	—	—	—	—	—	—	—	.04	.10	.17	22	.27	.32	.36	.39	.41
4200	—	—	—	—	—	—	—	.04	.10	.17	.24	.29	.33	.37	.41	.43
4400	—	—	—	—	—	—	—	.04	.11	.18	.25	.30	.35	.39	.43	.45
4600	—	—	—	—	—	—	—	.04	.11	.19	.26	.31	.36	.41	.45	.47
4800	—	—	—	—	—	—	—	.05	.12	.20	.27	.33	.38	.43	.47	.49
5000	—	—	—	—	—	—	—	.05	.12	.21	.28	.34	.40	.45	.48	.51

Note — Add "Drive Ratio Correction" to Basic Rating. For example, the Basic Rating for an "L" Poly-V Belt on a 7.0" P.D. Sheave at 1750 RPM is 3.88 and the "Drive Ratio Correction" for 1.50 ratio is .14, and total Rating is 4.02 H.P. per Rib.

"M" POLY-V BELT RATINGS - HORSEPOWER PER RIB

Table No. 2

("Drive Ratio Correction" Must Be ADDED to Ratings Listed Below)

RPM of Smaller Sheave	SHEAVE PITCH DIAMETER							DRIVE RATIO CORRECTION								
	12.00"	13.00"	14.00"	15.00"	16.00"	18.00"	20.00"	1.02-1.05	1.06-1.11	1.12-1.18	1.19-1.26	1.27-1.38	1.39-1.57	1.58-1.94	1.95-3.38	3.39 or more
700	8.97	9.96	10.92	11.87	12.80	14.61	16.33	.05	.13	.22	.29	.35	.41	.46	.50	.53
870	10.66	11.81	12.94	14.04	15.10	17.13	19.03	.06	.15	.27	.36	.44	.51	.58	.63	.66
1160	13.16	14.53	15.84	17.09	18.27	20.43	22.28	.08	.20	.35	.48	.58	.68	.77	.83	.88
1750	16.59	18.00	19.23	—	—	—	—	.12	.31	.53	.72	.88	1.02	1.15	1.26	1.33
200	3.10	3.44	3.77	4.10	4.42	5.07	5.71	.02	.04	.06	.09	.10	.12	.14	.15	.16
400	5.63	6.25	6.86	7.47	8.07	9.25	10.41	.03	.07	12	.17	.20	.24	.27	.29	.31
600	7.91	8.78	9.64	10.49	11.32	12.94	14.51	.04	.11	.19	.25	.30	.35	.40	.43	.46
800	9.98	11.07	12.14	13.18	14.19	16.14	17.98	.05	.14	.25	.33	.40	.47	.53	.58	.61
1000	11.84	13.10	14.33	15.51	16.65	18.78	20.71	.07	.18	.31	.42	.50	.59	.66	.72	.76
1200	13.47	14.86	16.19	17.44	18.63	20.77	22.58	.08	.21	.37	.50	.60	.70	.79	.86	.91
1400	14.85	16.31	17.67	18.93	20.07	—	—	.09	.25	.43	.58	.70	.82	.92	1.01	1.06
1600	15.95	17.42	18.74	19.90	—	—	—	.11	.28	.49	.66	.80	.94	1.05	1.15	1.22
1800	16.76	18.15	—	—	—	—	—	.12	.32	.55	.74	.90	1.05	1.19	1.29	1.37
2000	17.23	—	—	—	—	—	—	.13	.35	.61	.83	1.00	1.17	1.32	1.43	1.52
2200	—	—	—	—	—	—	—	.14	.39	.67	.91	1.10	1.29	1.45	1.58	1.67
2400	—	—	—	—	—	—	—	.16	.42	.73	.99	1.20	1.40	1.58	1.72	1.82
2600	—	—	—	—	—	—	—	.17	45	.79	1.07	1.30	1.52	1.71	1.86	1.97
2800	—	—	—	—	—	—	—	.18	.49	.85	1.15	1.40	1.64	1.84	2.01	2.13
3000	—	—	—	—	—	—	—	.19	.52	.91	1.24	1.50	1.75	1.97	2.15	2.28
3200	—	—	—	—	—	—	—	.21	.56	.97	1.32	1.60	1.87	2.11	2.29	2.43

Note — Add "Drive Ratio Correction" to Basic Rating. For example, the Basic Rating for an "M" Poly-V Belt on a 12.0" P.D. Sheave at 1160 RPM is 13.16 and the "Drive Ratio Correction" for 1.30 ratio is .58, and total Rating is 13.74 H.P. per Rib.

EXAMPLE — POLY-V DRIVE CALCULATION

Using Pre-calculated Drive Tables, pages D-21 to D-33

A drive is desired for a 1000 H.P., 1750 R.P.M. Normal Torque Squirrel Cage Motor driving a Tube Mill at 420 R.P.M. on approximately 54" centers. Motor Shaft is 2 7/8" diameter with 3/4" x 3/8" keyway. Mill Shaft is 3 1/2" diameter with 7/8" X 7/16" keyway. Drive will operate 8 to 10 hours daily.

Note — This drive can be selected from Table No. 4, page D-33. A portion of this table has been reproduced below to illustrate the use of Drive Tables.

A. Apply Overload Service Factor.
From Table No. 1, page D-13, the Overload Service Factor for a Tube Mill operating 8-10 hours per day with a Normal Torque Squirrel Cage Motor is 1.4. Design H.P. of the drive is 1.4 x 100 = 140.

B. Select Belt Section to be used.
From Table No. 1, page D-14, use "M" Belt.

C. Determine Speed Ratio and Sheave Sizes.
From Drive Tables for "M" Belts (portion reproduced below), under 1750 motor, note (C) that 422 is nearest to the driven speed desired. Reading to the left, note that the proper sheave sizes are 10.6 driver and 44.0 driven for 4.15 ratio.

D. Find Belt Length and Center Distance.
Reading to the right from this sheave combination, find center distance nearest 54" which is 53.5" (D_1) Read upward to the top of this group of center distances and note the belt number is "1980M" (D_2). This belt number must be completed later by adding the number of ribs.

E. Find the Horsepower per Rib.
Under 1750 R.P.M. Motor note that the H.P. per rib for this sheave combination is 15.51 (E_1). This must be corrected by the Arc-Length Factor beside the center distance (D_1). In this case the factor is .92 (E_2) and the H.P. per rib is .92 x 15.51 = 14.27

F. Find the Number of Ribs Required.

Divide the Normal Rating of the drive (Step "A") by the H.P. per rib (Step "E").

$$\frac{140}{14.27} = 9.8$$

Use a 10-rib belt.

G. List Drive Components.

One 10M106RxR1 — 2 7/8" Stock Browning Poly-V Sheave.
One 10M440RxR1 — 3 1/2" Stock Browning Poly-V Sheave.
One 1980M10 Stock Browning Poly-V Belt.
Total Rated Capacity of the Drive is 142.7 H.P.

SHEAVE COMBINATIONS			NOMINAL DRIVEN SPEED AND HORSEPOWER PER GROOVE				NOMINAL CENTER DISTANCE (C.D.) IN INCHES AND ARC LENGTH FACTOR (F) USING BROWNING POLY-V BELTS*											
RATIO	PITCH DIAMETER		1750 R.P.M. MOTOR		1160 R.P.M. MOTOR		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.	
	Driver	Driven	Nom. Driven Speed	H.P. Per Groove	Nom. Driven Speed	H.P. Per Groove	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F
							1060M		**1185M**		**1310M**		**1470M**		**1760M**		**1980M**	
3.95	7.6	30.0	443	9.74	294	7.32	20.5	0.69	27.5	0.78	34.2	0.84	42.5	0.86	57.4	0.93	68.6	0.99
4.00	9.0	36.0	438	12.59	290	9.52	—	—	—	—	26.8	0.73	35.6	0.82	50.9	0.90	62.2	0.96
4.00	11.0	44.0	438	16.19	290	12.50	—	—	—	—	—	—	—	—	41.6	0.86	53.3	0.92
4.05	7.4	30.0	432	9.01	286	6.99	20.6	0.69	27.6	0.78	34.3	0.84	42.6	0.86	57.5	0.93	68.7	0.99
4.15	10.6	44.0	422	15.51	280	11.92	—	—	—	—	—	—	—	—	41.8	0.86	53.5	0.92
							1060M		**1185M**		**1310M**		**1470M**		**1760M**		**1980M**	
4.19	8.6	36.0	418	11.80	277	8.90	—	—	—	—	27.1	0.73	35.9	0.82	51.2	0.90	62.5	0.96
4.29	7.0	30.0	408	8.44	270	6.34	20.8	0.69	27.8	0.78	34.5	0.84	42.9	0.86	57.8	0.93	69.0	0.96
4.29	8.4	36.0	408	11.40	270	8.59	—	—	—	—	27.2	0.73	36.0	0.82	51.3	0.90	62.6	0.96
4.40	10.0	44.0	398	14.46	264	11.03	—	—	—	—	—	—	—	—	42.2	0.86	53.9	0.92
4.50	8.0	36.0	389	10.58	258	7.96	—	—	—	—	27.4	0.73	36.3	0.82	51.6	0.90	62.9	0.96
							1060M		**1185M**		**1310M**		**1470M**		**1760M**		**1980M**	
4.58	9.6	44.00	382	13.73	253	10.43	—	—	—	—	—	—	—	—	42.5	0.86	54.2	0.92
4.74	7.6	36.00	369	9.74	245	7.32	—	—	—	—	27.7	0.73	36.5	0.82	51.8	0.90	63.2	0.96

Complete Belt Number by adding Number of Ribs; Example — 1980M10.

Table No. 1

SHEAVE COMBINATIONS			NOMINAL DRIVEN SPEEDS AND HORSEPOWER PER GROOVE				NOMINAL CENTER DISTANCE (C.D.) IN INCHES AND ARC-LENGTH FACTOR (F) USING BROWNING POLY-V BELTS*											
Ratio	PITCH DIAMETER		3500 R.P.M. MOTOR		1750 R.P.M. MOTOR		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.	
	Driver	Driven	Nom. Driven Speed	H.P. Per Groove	Nom. Driven Speed	H.P. Per Groove	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F
							180J		280J		380J		490J		610J		730J	
1.00	1.5	1.5	3500	0.25	1750	0.15	6.6	0.83	11.6	0.92	16.6	0.99	22.1	1.04	28.1	1.09	34.1	1.13
1.00	1.6	1.6	3500	0.29	1750	0.16	6.5	0.83	11.5	0.92	16.5	0.99	22.0	1.04	28.0	1.09	34.0	1.13
1.00	1.7	1.7	3500	0.32	1750	0.18	6.3	0.83	11.3	0.92	16.3	0.99	21.8	1.04	27.8	1.09	33.8	1.13
1.00	1.8	1.8	3500	0.35	1750	0.20	6.2	0.83	11.2	0.92	16.2	0.99	21.7	1.04	27.7	1.09	33.7	1.13
1.00	1.9	1.9	3500	0.39	1750	0.22	6.0	0.83	11.0	0.92	16.0	0.99	21.5	1.04	27.5	1.09	33.5	1.13
							180J		280J		380J		490J		610J		730J	
1.00	2.0	2.0	3500	0.42	1750	0.24	5.9	0.83	10.9	0.92	15.9	0.99	21.4	1.04	27.4	1.09	33.4	1.13
1.00	2.1	2.1	3500	0.45	1750	0.25	5.7	0.83	10.7	0.92	15.7	0.99	21.2	1.04	27.2	1.09	33.2	1.13
1.00	2.2	2.2	3500	0.48	1750	0.27	5.5	0.83	10.5	0.92	15.5	0.99	21.0	1.04	27.0	1.09	33.0	1.13
1.00	2.4	2.4	3500	0.54	1750	0.30	5.2	0.83	10.2	0.92	15.2	0.99	20.7	1.04	26.7	1.09	32.7	1.13
1.00	2.5	2.5	3500	0.57	1750	0.32	5.1	0.83	10.1	0.92	15.1	0.99	20.6	1.04	26.6	1.09	32.6	1.13
							180J		280J		380J		490J		610J		730J	
1.00	2.7	2.7	3500	0.63	1750	0.36	4.8	0.83	9.8	0.92	14.8	0.99	20.3	1.04	26.3	1.09	32.3	1.13
1.00	2.8	2.8	3500	0.66	1750	0.37	4.6	0.83	9.6	0.92	14.6	0.99	20.1	1.04	26.1	1.09	32.1	1.13
1.00	3.0	3.0	3500	0.72	1750	0.41	4.3	0.83	9.3	0.92	14.3	0.99	19.8	1.04	25.8	1.09	31.8	1.13
1.00	3.2	3.2	3500	0.78	1750	0.44	4.0	0.83	9.0	0.92	14.0	0.99	19.5	1.04	25.5	1.09	31.5	1.13
1.00	3.4	3.4	3500	0.84	1750	0.47	3.7	0.83	8.7	0.92	13.7	0.99	19.2	1.04	25.2	1.09	31.2	1.13
							280J		400J		520J		650J		770J		920J	
1.00	4.5	4.5	3500	1.13	1750	0.65	6.9	0.92	12.9	1.00	18.9	1.06	25.4	1.11	31.4	1.14	38.9	1.19
1.00	6.0	6.0	3500	1.46	1750	0.88	—	—	10.6	1.00	16.6	1.06	23.1	1.11	29.1	1.14	36.6	1.19
1.00	8.0	8.0	—	—	1750	1.15	—	—	—	—	13.4	1.06	19.9	1.11	25.9	1.14	33.4	1.19
1.00	10.6	10.6	—	—	1750	1.47	—	—	—	—	—	—	15.9	1.11	21.9	1.14	29.4	1.19
1.00	14.0	14.0	—	—	1750	1.79	—	—	—	—	—	—	—	—	16.5	1.14	24.0	1.19
							180J		280J		380J		490J		610J		730J	
1.04	2.4	2.5	3365	0.55	1683	0.31	5.2	0.81	10.2	0.89	15.2	0.96	20.7	1.01	26.7	1.06	32.7	1.10
1.04	2.7	2.8	3365	0.64	1683	0.36	4.7	0.81	9.7	0.89	14.7	0.96	20.2	1.01	26.2	1.06	32.2	1.10
1.05	1.9	2.0	3333	0.39	1667	0.22	5.9	0.81	10.9	0.89	15.9	0.96	21.4	1.01	27.4	1.06	33.4	1.10
1.05	2.0	2.1	3333	0.43	1667	0.24	5.8	0.81	10.8	0.89	15.8	0.96	21.3	1.01	27.3	1.06	33.3	1.10
1.05	2.1	2.2	3333	0.46	1667	0.26	5.6	0.81	10.6	0.89	15.6	0.96	21.1	1.01	27.1	1.06	33.1	1.10
							180J		280J		380J		490J		610J		730J	
1.06	1.6	1.7	3302	0.30	1651	0.17	6.4	0.81	11.4	0.89	16.4	0.96	21.9	1.01	27.9	1.06	33.9	1.10
1.06	1.7	1.8	3302	0.33	1651	0.19	6.3	0.81	11.3	0.89	16.3	0.96	21.8	1.01	27.8	1.06	33.8	1.10
1.06	1.8	1.9	3302	0.36	1651	0.20	6.1	0.81	11.1	0.89	16.1	0.96	21.6	1.01	27.6	1.06	33.6	1.10
1.06	3.2	3.4	3302	0.79	1651	0.44	3.8	0.81	8.8	0.89	13.8	0.96	19.3	1.01	25.3	1.06	31.3	1.10
1.07	1.5	1.6	3271	0.26	1636	0.15	6.6	0.81	11.6	0.89	16.6	0.96	22.1	1.01	28.1	1.06	34.1	1.10
							180J		280J		380J		490J		610J		730J	
1.07	2.8	3.0	3271	0.67	1636	0.38	4.4	0.81	9.4	0.89	14.4	0.96	19.9	1.01	25.9	1.06	31.9	1.10
1.07	3.0	3.2	3271	0.73	1636	0.41	4.1	0.81	9.1	0.89	14.1	0.96	19.6	1.01	25.6	1.06	31.6	1.10
1.08	2.5	2.7	3241	0.58	1620	0.33	4.9	0.81	9.9	0.89	14.9	0.96	20.4	1.01	26.4	1.06	32.4	1.10
1.09	2.2	2.4	3211	0.49	1606	0.28	5.4	0.81	10.4	0.89	15.4	0.96	20.9	1.01	26.9	1.06	32.9	1.10
1.10	2.0	2.2	3182	0.43	1591	0.24	5.7	0.81	10.7	0.89	15.7	0.96	21.2	1.01	27.2	1.06	33.2	1.10
							180J		280J		380J		490J		610J		730J	
1.11	1.8	2.0	3153	0.37	1577	0.21	6.0	0.81	11.0	0.89	16.0	0.96	21.5	1.01	27.5	1.06	33.5	1.10
1.11	1.9	2.1	3153	0.40	1577	0.22	5.9	0.81	10.9	0.89	15.9	0.96	21.4	1.01	27.4	1.06	33.4	1.10
1.11	2.7	3.0	3153	0.65	1577	0.36	4.5	0.81	9.5	0.89	14.5	0.96	20.0	1.01	26.0	1.06	32.0	1.10
1.12	1.7	1.9	3125	0.33	1563	0.19	6.2	0.81	11.2	0.89	16.2	0.96	21.7	1.01	27.7	1.06	33.7	1.10
1.12	2.5	2.8	3125	0.59	1563	0.33	4.8	0.81	9.8	0.89	14.8	0.96	20.3	1.01	26.3	1.06	32.3	1.10
							180J		280J		380J		490J		610J		730J	
1.13	1.5	1.7	3097	0.27	1549	0.15	6.5	0.81	11.5	0.89	16.5	0.96	22.0	1.01	28.0	1.06	34.0	1.10
1.13	1.6	1.8	3097	0.30	1549	0.17	6.3	0.81	11.3	0.89	16.3	0.96	21.8	1.01	27.8	1.06	33.8	1.10
1.13	2.4	2.7	3097	0.56	1549	0.31	5.0	0.81	10.0	0.89	15.0	0.96	20.5	1.01	26.5	1.06	32.5	1.10
1.13	3.0	3.4	3097	0.74	1549	0.41	4.0	0.81	9.0	0.89	14.0	0.96	19.5	1.01	25.5	1.06	31.5	1.10
1.14	2.1	2.4	3070	0.47	1535	0.26	5.5	0.81	10.5	0.89	15.5	0.96	21.0	1.01	27.0	1.06	33.0	1.10
							180J		280J		380J		490J		610J		730J	
1.14	2.2	2.5	3070	0.50	1535	0.28	5.3	0.81	10.3	0.89	15.3	0.96	20.8	1.01	26.8	1.06	32.8	1.10
1.14	2.8	3.2	3070	0.68	1535	0.38	4.3	0.81	9.3	0.89	14.3	0.96	19.8	1.01	25.8	1.06	31.8	1.10
1.16	1.9	2.2	3017	0.40	1509	0.23	5.8	0.81	10.8	0.89	15.8	0.96	21.3	1.01	27.3	1.06	33.3	1.10
1.17	1.8	2.1	2991	0.37	1496	0.21	5.9	0.81	10.9	0.89	15.9	0.96	21.4	1.01	27.4	1.06	33.4	1.10
1.17	2.4	2.8	2991	0.56	1496	0.31	4.9	0.81	9.9	0.89	14.9	0.96	20.4	1.01	26.4	1.06	32.4	1.10
							180J		280J		380J		490J		610J		730J	
1.18	1.7	2.0	2966	0.34	1483	0.19	6.1	0.81	11.1	0.89	16.1	0.96	21.6	1.01	27.6	1.06	33.6	1.10
1.19	1.6	1.9	2941	0.31	1471	0.17	6.3	0.81	11.3	0.89	16.3	0.96	21.8	1.01	27.8	1.06	33.8	1.10
1.19	2.1	2.5	2941	0.47	1471	0.26	5.4	0.81	10.4	0.89	15.4	0.96	20.9	1.01	26.9	1.06	32.9	1.10
1.19	2.7	3.2	2941	0.65	1471	0.37	4.4	0.81	9.4	0.89	14.4	0.96	19.9	1.01	25.9	1.06	31.9	1.10
1.20	1.5	1.8	2917	0.27	1458	0.16	6.4	0.81	11.4	0.89	16.4	0.96	21.9	1.01	27.9	1.06	33.9	1.10
							180J		280J		380J		490J		610J		730J	
1.20	2.0	2.4	2917	0.44	1458	0.25	5.5	0.81	10.5	0.89	15.5	0.96	21.0	1.01	27.0	1.06	33.0	1.10
1.20	2.5	3.0	2917	0.59	1458	0.33	4.7	0.81	9.7	0.89	14.7	0.96	20.2	1.01	26.2	1.06	32.2	1.10
1.21	2.8	3.4	2893	0.68	1446	0.38	4.1	0.81	9.1	0.89	14.1	0.96	19.6	1.01	25.6	1.06	31.6	1.10
1.22	1.8	2.2	2869	0.37	1434	0.21	5.9	0.81	10.9	0.89	15.9	0.96	21.4	1.01	27.4	1.06	33.4	1.10
1.23	2.2	2.7	2846	0.50	1423	0.28	5.1	0.81	10.2	0.89	15.2	0.96	20.7	1.01	26.7	1.06	32.7	1.10
							180J		280J		380J		490J		610J		730J	
1.24	1.7	2.1	2823	0.34	1411	0.19	6.0	0.81	11.0	0.89	16.0	0.96	21.5	1.01	27.5	1.06	33.5	1.10
1.25	1.6	2.0	2800	0.31	1400	0.17	6.2	0.81	11.2	0.89	16.2	0.96	21.7	1.01	27.7	1.06	33.7	1.10
1.25	2.0	2.5	2800	0.44	1400	0.25	5.5	0.81	10.5	0.89	15.5	0.96	21.0	1.01	27.0	1.06	33.0	1.10
1.25	2.4	3.0	2800	0.57	1400	0.32	4.8	0.81	9.8	0.89	14.8	0.96	20.3	1.01	26.3	1.06	32.3	1.10
1.26	1.9	2.4	2778	0.41	1389	0.23	5.6	0.81	10.6	0.89	15.6	0.96	21.1	1.01	27.1	1.06	33.1	1.10
							180J		280J		380J		490J		610J		730J	
1.26	2.7	3.4	2778	0.66	1389	0.37	4.2	0.78	9.2	0.89	14.2	0.96	19.7	1.01	25.7	1.06	31.7	1.10
1.27	1.5	1.9	2756	0.28	1378	0.16	6.3	0.81	11.3	0.89	16.3	0.96	21.8	1.01	27.8	1.06	33.8	1.10
1.27	2.2	2.8	2756	0.51	1378	0.28	5.1	0.81	10.1	0.89	15.1	0.96	20.6	1.01	26.6	1.06	32.6	1.10
1.28	2.5	3.2	2734	0.60	1367	0.33	4.5	0.81	9.5	0.89	14.5	0.96	20.0	1.01	26.0	1.06	32.0	1.10
1.29	1.7	2.2	2713	0.34	1367	0.19	5.9	0.81	10.9	0.89	15.9	0.96	21.4	1.01	27.4	1.06	33.4	1.10
							180J		280J		380J		490J		610J		730J	
1.29	2.1	2.7	2713	0.47	1357	0.26	5.2	0.81	10.2	0.89	15.2	0.96	20.7	1.01	26.7	1.06	32.7	1.10
1.31	1.6	2.1	2672	0.31	1336	0.18	6.1	0.81	11.1	0.89	16.1	0.96	21.6	1.01	27.6	1.06	33.6	1.10
1.32	1.9	2.5	2652	0.41	1326	0.23	5.5	0.81	10.5	0.89	15.5	0.96	21.0	1.01	27.0	1.06	33.0	1.10
1.32	3.4	4.5	2652	0.86	1326	0.48	—	—	7.8	0.89	12.8	0.96	18.3	1.01	24.3	1.06	30.3	1.10
1.32	8.0	10.6	—	—	1326	1.17	—	—	—	—	—	—	9.8	0.98	15.8	1.06	21.9	1.10

*Complete Belt Number by adding Number of Ribs; Example — 38J10.

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Table No.2

SHEAVE COMBINATIONS			NOMINAL DRIVEN SPEEDS AND HORSEPOWER PER GROOVE				NOMINAL CENTER DISTANCE (C.D.) IN INCHES AND ARC-LENGTH FACTOR (F) USING BROWNING POLY-V BELTS*											
Ratio	PITCH DIAMETER		3500 R.P.M. MOTOR		1750 R.P.M. MOTOR		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.	
	Driver	Driven	Nom. Driven Speed	H.P. Per Groove	Nom. Driven Speed	H.P. Per Groove	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F
							280J		400J		520J		650J		770J		920J	
1.32	10.6	14.0	—	—	1326	1.48	—	—	—	—	—	—	13.1	1.04	19.1	1.07	26.6	1.15
1.33	1.5	2.0	2632	0.28	1316	0.16	11.2	0.89	17.3	0.97	23.3	1.03	29.8	1.08	35.8	1.11	43.3	1.15
1.33	1.8	2.4	2632	0.38	1316	0.21	10.7	0.89	16.7	0.97	22.7	1.03	29.2	1.08	35.2	1.11	42.7	1.15
1.33	2.1	2.8	2632	0.47	1316	0.26	10.1	0.89	16.1	0.97	22.2	1.03	28.7	1.08	34.7	1.11	42.2	1.15
1.33	2.4	3.2	2632	0.57	1316	0.32	9.6	0.89	15.6	0.97	21.6	1.03	28.1	1.08	34.1	1.11	41.6	1.15
							180J		280J		380J		490J		610J		730J	
1.33	4.5	3.0	2632	1.15	1316	0.66	—	—	5.7	0.86	10.7	0.96	16.2	1.01	22.2	1.06	28.2	1.10
1.33	6.0	8.0	2632	1.49	1316	0.89	—	—	—	—	7.9	0.93	13.5	1.01	19.5	1.06	25.5	1.10
1.35	2.0	2.7	2593	0.45	1296	0.25	5.3	0.81	10.3	0.89	15.3	0.96	20.8	1.01	26.8	1.06	32.8	1.10
1.36	2.2	3.0	2574	0.51	1287	0.28	4.9	0.81	9.9	0.89	14.9	0.96	20.4	1.01	26.4	1.06	32.4	1.10
1.36	2.5	3.4	2574	0.60	1287	0.34	4.3	0.78	9.4	0.89	14.4	0.96	19.9	1.01	25.9	1.06	31.9	1.10
							280J		400J		520J		650J		770J		920J	
1.36	14.0	19.0	—	—	1287	1.80	—	—	—	—	—	—	—	—	—	—	19.9	1.12
1.38	1.6	2.2	2536	0.32	1268	0.18	11.0	0.89	17.0	0.97	23.0	1.03	29.5	1.08	35.5	1.11	43.0	1.15
1.39	1.8	2.5	2518	0.38	1259	0.21	10.6	0.89	16.6	0.97	22.6	1.03	29.1	1.08	35.1	1.11	42.6	1.15
1.40	1.5	2.1	2500	0.28	1250	0.16	11.2	0.89	17.2	0.97	23.2	1.03	29.7	1.08	35.7	1.11	43.2	1.15
1.40	2.0	2.8	2500	0.45	1250	0.25	10.2	0.89	16.2	0.97	22.2	1.03	28.7	1.08	34.7	1.11	42.2	1.15
							180J		280J		380J		490J		610J		730J	
1.41	1.7	2.4	2482	0.35	1241	0.20	5.8	0.81	10.8	0.89	15.8	0.96	21.3	1.01	27.3	1.06	33.3	1.10
1.41	3.2	4.5	2482	0.81	1241	0.45	—	—	7.9	0.89	12.9	0.96	18.4	1.01	24.4	1.06	30.4	1.10
1.42	1.9	2.7	2465	0.41	1232	0.23	5.4	0.81	10.4	0.89	15.4	0.96	20.9	1.01	26.9	1.06	32.9	1.10
1.42	2.4	3.4	2465	0.57	1232	0.32	4.4	0.78	9.4	0.89	14.4	0.96	19.9	1.01	25.9	1.06	31.9	1.10
1.43	2.1	3.0	2448	0.48	1224	0.27	5.0	0.78	10.0	0.89	15.0	0.96	20.5	1.01	26.5	1.06	32.5	1.10
							180J		280J		380J		490J		610J		730J	
1.45	2.2	3.2	2414	0.51	1207	0.28	4.7	0.78	9.7	0.89	14.8	0.96	20.3	1.01	26.3	1.06	32.3	1.10
1.47	1.5	2.2	2381	0.28	1190	0.16	6.1	0.81	11.1	0.89	16.1	0.96	21.6	1.01	27.6	1.06	33.6	1.10
1.47	1.7	2.5	2381	0.35	1190	0.20	5.7	0.81	10.7	0.89	15.7	0.96	21.2	1.01	27.2	1.06	33.2	1.10
1.47	1.9	2.8	2381	0.41	1190	0.23	5.3	0.78	10.3	0.89	15.3	0.96	20.8	1.01	26.8	1.06	32.8	1.10
1.50	1.6	2.4	2333	0.32	1167	0.18	5.8	0.81	10.9	0.89	15.9	0.96	21.4	1.01	27.4	1.06	33.4	1.10
							180J		280J		380J		490J		610J		730J	
1.50	1.8	2.7	2333	0.38	1167	0.21	5.4	0.81	10.5	0.89	15.5	0.96	21.0	1.01	27.0	1.06	33.0	1.10
1.50	2.0	3.0	2333	0.45	1167	0.25	5.1	0.78	10.1	0.89	15.1	0.96	20.6	1.01	26.6	1.06	32.6	1.10
1.50	3.0	4.5	2333	0.75	1167	0.42	—	—	8.1	0.86	13.1	0.96	18.6	1.01	24.6	1.06	30.6	1.10
1.52	2.1	3.2	2303	0.48	1151	0.27	4.8	0.78	9.8	0.89	14.8	0.96	20.3	1.01	26.3	1.06	32.3	1.10
1.55	2.2	3.4	2258	0.51	1129	0.29	4.6	0.78	9.6	0.89	14.6	0.96	20.1	1.01	26.1	1.06	32.1	1.10
							180J		280J		380J		490J		610J		730J	
1.56	1.6	2.5	2244	0.32	1122	0.18	5.8	0.81	10.8	0.89	15.8	0.96	21.3	1.01	27.3	1.06	33.3	1.10
1.56	1.8	2.8	2244	0.39	1122	0.22	5.4	0.78	10.4	0.89	15.4	0.96	20.9	1.01	26.9	1.06	32.9	1.10
1.58	1.9	3.0	2215	0.42	1108	0.23	5.1	0.78	10.1	0.89	15.1	0.96	20.6	1.01	26.6	1.06	32.6	1.10
1.59	1.7	2.7	2201	0.35	1101	0.20	5.5	0.78	10.5	0.89	15.5	0.96	21.0	1.01	27.0	1.06	33.0	1.10
1.60	1.5	2.4	2188	0.29	1094	0.16	5.9	0.81	10.9	0.89	15.9	0.96	21.4	1.01	27.4	1.06	33.4	1.10
							180J		280J		380J		490J		610J		730J	
1.60	2.0	3.2	2188	0.45	1094	0.25	4.9	0.78	9.9	0.89	14.9	0.96	20.4	1.01	26.4	1.06	32.4	1.10
1.61	2.8	4.5	2174	0.70	1087	0.39	—	—	8.2	0.86	13.2	0.96	18.8	1.01	24.8	1.06	30.8	1.10
1.62	2.1	3.4	2160	0.48	1080	0.27	4.6	0.78	9.7	0.89	14.7	0.96	20.2	1.01	26.2	1.06	32.2	1.10
1.65	1.7	2.8	2121	0.35	1061	0.20	5.4	0.78	10.5	0.89	15.5	0.96	21.0	1.01	27.0	1.06	33.0	1.10
1.67	1.5	2.5	2096	0.29	1048	0.16	5.8	0.78	10.8	0.89	15.9	0.96	21.4	1.01	27.4	1.06	33.4	1.10
							180J		280J		380J		490J		610J		730J	
1.67	1.8	3.0	2096	0.39	1048	0.22	5.2	0.78	10.2	0.89	15.2	0.96	20.7	1.01	26.7	1.06	32.7	1.10
1.67	2.7	4.5	2096	0.67	1048	0.37	—	—	8.3	0.86	13.3	0.96	18.8	1.01	24.8	1.06	30.8	1.10
1.68	1.9	3.2	2083	0.42	1042	0.23	5.0	0.78	10.0	0.89	15.0	0.96	20.5	1.01	26.5	1.06	32.5	1.10
1.69	1.6	2.7	2071	0.32	1036	0.18	5.6	0.78	10.6	0.89	15.6	0.96	21.1	1.01	27.1	1.06	33.1	1.10
1.70	2.0	3.4	2059	0.45	1029	0.25	4.7	0.78	9.7	0.89	14.7	0.96	20.2	1.01	26.3	1.06	32.3	1.10
							240J		360J		490J		610J		730J		870J	
1.75	1.6	2.8	2000	0.32	1000	0.18	8.5	0.86	14.5	095	21.0	1.01	27.0	1.06	33.0	1.10	40.0	1.13
1.75	8.0	14.0	—	—	1000	1.17	—	—	—	—	—	—	12.9	0.99	19.0	1.06	26.1	1.10
1.76	1.7	3.0	1989	0.35	994	0.20	8.3	0.86	14.3	0.95	20.8	1.01	26.8	1.06	32.8	1.10	39.8	1.13
1.76	3.4	6.0	1989	0.87	994	0.49	—	—	10.5	0.92	17.1	1.01	23.1	1.06	29.1	1.10	36.1	1.13
1.77	6.0	10.6	1977	1.49	989	0.89	—	—	—	—	11.2	0.95	17.3	1.02	23.4	1.06	30.4	1.13
							280J		400J		520J		650J		770J		920J	
1.78	1.8	3.2	1966	0.39	983	0.22	10.1	0.89	16.1	0.97	22.1	1.03	28.6	1.08	34.6	1.11	42.1	1.15
1.78	4.5	8.0	1966	1.16	983	0.66	—	—	10.0	0.91	16.1	1.00	22.6	1.08	28.6	1.11	36.1	1.15
1.79	1.9	3.4	1955	0.42	978	0.23	9.8	0.89	15.8	0.97	21.8	1.03	28.3	1.08	34.3	1.11	41.8	1.15
1.79	10.6	19.0	—	—	978	1.49	—	—	—	—	—	—	—	—	—	—	22.4	1.08
1.80	1.5	2.7	1944	0.29	972	0.16	10.7	0.89	16.7	0.97	22.7	1.03	29.2	1.08	35.2	1.11	42.7	1.15
							180J		280J		380J		490J		610J		730J	
1.80	2.5	4.5	1944	0.61	972	0.34	—	—	8.4	0.86	13.5	0.96	19.0	1.01	25.0	1.06	31.0	1.10
1.87	1.5	2.8	1872	0.29	936	0.16	5.6	0.78	10.6	0.89	15.6	0.96	21.1	1.01	27.1	1.06	33.1	1.10
1.88	1.6	3.0	1862	0.32	931	0.18	5.3	0.78	10.4	0.89	15.4	0.96	20.9	1.01	26.9	1.06	32.9	1.10
1.88	1.7	3.2	1862	0.35	931	0.20	5.1	0.78	10.1	0.89	15.1	0.96	20.6	1.01	26.6	1.06	32.6	1.10
1.88	2.4	4.5	1862	0.58	931	0.32	—	—	8.5	0.86	13.5	0.96	19.1	1.01	25.1	1.06	31.1	1.10
							180J		280J		380J		490J		610J		730J	
1.88	3.2	6.0	1862	0.81	931	0.46	—	—	6.6	0.84	11.7	0.93	17.2	1.01	23.2	1.06	29.2	1.10
1.89	1.8	3.4	1852	0.39	926	0.22	4.9	0.78	9.9	0.89	14.9	0.96	20.4	1.01	26.4	1.06	32.4	1.10
2.00	1.5	3.0	1750	0.29	875	0.16	5.4	0.78	10.4	0.89	15.4	0.96	21.0	1.01	27.0	1.06	33.0	1.10
2.00	1.6	3.2	1750	0.32	875	0.18	5.2	0.78	10.2	0.89	15.2	0.96	20.7	1.01	26.7	1.06	32.7	1.10
2.00	1.7	3.4	1750	0.36	875	0.20	4.9	0.76	10.0	0.86	15.0	0.96	20.5	1.01	26.5	1.06	32.5	1.10
							180J		280J		380J		490J		610J		730J	
2.00	3.0	6.0	1750	0.76	875	0.42	—	—	6.8	0.84	11.8	0.93	17.4	0.98	23.4	1.06	29.4	1.10
2.05	2.2	4.5	1707	0.52	854	0.29	—	—	8.7	0.86	13.7	0.93	19.2	1.01	25.2	1.06	31.2	1.10
2.13	1.5	3.2	1643	0.29	822	0.16	5.2	0.78	10.3	0.89	15.3	0.96	20.8	1.01	26.8	1.06	32.8	1.10
2.13	1.6	3.4	1643	0.32	822	0.18	5.0	0.76	10.0	0.86	15.0	0.96	20.6	1.01	26.6	1.06	32.6	1.10
2.14	2.1	4.5	1636	0.49	818	0.27	3.6	0.73	8.7	0.86	13.8	0.93	19.3	1.01	25.3	1.06	31.3	1.10
							200J		320J		430J		550J		690J		820J	
2.14	2.8	6.0	1636	0.70	818	0.39	—	—	8.9	0.86	14.5	0.96	20.5	1.04	27.5	1.09	34.1	1.13
2.22	2.7	6.0	1577	0.67	788	0.37	—	—	9.0	0.86	14.6	0.96	20.6	1.04	27.6	1.09	34.1	1.13
2.25	2.0	4.5	1556	0.45	778	0.25	4.7	0.75	10.8	0.89	16.3	0.99	22.4	1.04	29.4	1.09	35.9	1.13
2.27	1.5	3.4	1542	0.29	771	0.16	6.1	0.80	12.1	0.92	17.6	0.99	23.6	1.04	30.6	1.09	37.1	1.13
2.33	6.0	14.0	1502	1.50	751	0.89	—	—	—	—	—	—	11.1	0.90	18.4	1.02	25.0	1.09

***Complete Belt Number by adding Number of Ribs; Example - 400J6.**

Table No. 3

SHEAVE COMBINATIONS			NOMINAL DRIVEN SPEEDS AND HORSEPOWER PER GROOVE				NOMINAL CENTER DISTANCE (C.D.) IN INCHES AND ARC-LENGTH FACTOR (F) USING BROWNING POLY-V BELTS*											
	PITCH DIAMETER		3500 R.P.M. MOTOR		1750 R.P.M. MOTOR		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.	
Ratio	Driver	Driven	Nom. Driven Speed	H.P. Per Groove	Nom. Driven Speed	H.P. Per Groove	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F
							280J		400J		520J		650J		770J		920J	
2.35	3.4	8.0	1489	0.88	745	0.49	—	—	10.8	0.91	16.9	1.00	23.4	1.04	29.5	1.11	37.0	1.15
2.36	4.5	10.6	1483	1.17	742	0.67	—	—	—	—	13.8	0.96	20.4	1.04	26.5	1.07	34.0	1.12
2.37	1.9	4.5	1477	0.42	738	0.24	8.9	0.86	14.9	0.94	20.9	1.03	27.4	1.08	33.5	1.11	41.0	1.15
2.38	8.0	19.0	—	—	735	1.17	—	—	—	—	—	—	—	—	16.4	0.96	24.2	1.08
2.40	2.5	6.0	1458	0.61	729	0.34	7.1	0.84	13.2	0.94	19.2	1.00	25.8	1.08	31.8	1.11	36.3	1.15
							180J		280J		380J		490J		610J		730J	
2.50	1.8	4.5	1400	0.39	700	0.22	3.8	0.70	9.0	0.86	14.0	0.93	19.5	1.01	25.5	1.06	31.5	1.10
2.50	2.4	6.0	1400	0.58	700	0.32	—	—	7.2	0.81	12.3	0.93	17.8	0.98	23.8	1.06	29.9	1.10
2.50	3.2	8.0	1400	0.82	700	0.46	—	—	—	—	9.9	0.90	15.5	0.98	21.6	1.02	27.6	1.06
2.65	1.7	4.5	1321	0.36	660	0.20	3.9	0.70	9.0	0.86	14.1	0.93	19.6	1.01	25.6	1.06	31.6	1.10
2.67	3.0	8.0	1311	0.76	655	0.42	—	—	—	—	10.1	0.90	15.7	0.98	21.7	1.02	27.8	1.06
							180J		280J		380J		490J		610J		730J	
2.73	2.2	6.0	1282	0.52	641	0.29	—	—	7.3	0.81	12.4	0.93	18.0	0.98	24.0	1.06	30.0	1.10
2.81	1.6	4.5	1246	0.32	623	0.18	3.9	0.70	9.1	0.86	14.1	0.93	19.7	1.01	25.7	1.06	31.7	1.10
2.86	2.1	6.0	1224	0.49	612	0.27	—	—	7.4	0.81	12.5	0.93	18.0	0.98	24.1	1.06	30.1	1.10
2.86	2.8	8.0	1224	0.70	612	0.39	—	—	—	—	10.2	0.87	15.8	0.98	21.9	1.02	27.9	1.06
2.96	2.7	8.0	1182	0.67	591	0.37	—	—	—	—	10.3	0.87	15.9	0.95	21.9	1.02	28.0	1.06
							200J		320J		430J		550J		610J		820J	
3.00	1.5	4.5	1167	0.29	583	0.16	5.1	0.75	11.2	0.89	16.7	0.96	22.7	1.04	29.8	1.09	36.3	1.13
3.00	2.0	6.0	1167	0.45	583	0.25	—	—	9.5	0.86	15.1	0.96	21.1	1.01	28.1	1.09	34.7	1.13
3.11	4.5	14.0	1125	1.17	563	0.67	—	—	—	—	—	—	12.0	0.90	19.4	1.02	26.0	1.06
3.12	3.4	10.6	1122	0.88	561	0.49	—	—	—	—	9.9	0.86	16.1	0.97	23.2	1.05	29.8	1.09
3.16	1.9	6.0	1108	0.42	554	0.24	—	—	9.6	0.86	15.2	0.96	21.2	1.01	28.2	1.09	34.7	1.13
							280J		400J		520J		650J		770J		920J	
3.17	6.0	19.0	1104	1.50	552	0.89	—	—	—	—	—	—	—	—	17.7	0.96	25.5	1.05
3.20	2.5	8.0	1094	0.61	547	0.34	—	—	11.4	0.91	17.5	1.00	24.1	1.04	30.1	1.07	37.7	1.15
3.31	3.2	10.6	1057	0.82	529	0.46	—	—	8.4	0.80	14.7	0.93	21.3	1.01	27.4	1.07	35.0	1.12
3.33	1.8	6.0	1051	0.39	526	0.22	7.6	0.81	13.7	0.94	19.8	1.00	26.3	1.08	32.3	1.11	39.8	1.15
3.33	2.4	8.0	1051	0.58	526	0.32	—	—	11.5	0.91	17.6	1.00	24.2	1.04	30.2	1.07	37.7	1.15
							240J		360J		490J		610J		730J		870J	
3.53	1.7	6.0	992	0.36	496	0.20	5.5	0.75	11.8	0.89	18.3	0.98	24.4	1.02	30.4	1.10	37.4	1.13
3.53	3.0	10.6	992	0.76	496	0.42	—	—	—	—	13.3	0.92	19.5	0.99	25.5	1.06	32.6	1.10
3.64	2.2	8.0	962	0.52	481	0.29	—	—	9.6	0.86	16.2	0.95	22.3	1.02	28.3	1.06	35.4	1.13
3.75	1.6	6.0	933	0.32	467	0.18	5.6	0.75	11.8	0.89	18.4	0.98	24.4	1.02	30.5	1.10	37.5	1.13
3.79	2.8	10.6	923	0.70	462	0.39	—	—	—	—	13.4	0.92	19.6	0.99	25.7	1.06	32.7	1.10
							240J		360J		490J		610J		730J		870J	
3.81	2.1	8.0	919	0.49	459	0.27	—	—	9.6	0.86	16.3	0.95	22.4	1.02	28.4	1.06	35.4	1.13
3.93	2.7	10.6	891	0.67	445	0.37	—	—	—	—	13.5	0.92	19.7	0.99	25.8	1.06	32.8	1.10
4.00	1.5	6.0	875	0.29	438	0.16	5.7	0.75	11.9	0.89	18.5	0.98	24.5	1.02	30.5	1.10	37.5	1.13
4.00	2.0	8.0	875	0.45	438	0.25	—	—	9.7	0.86	16.4	0.95	22.4	1.02	28.5	1.06	35.5	1.10
4.12	3.4	14.0	850	0.88	425	0.49	—	—	—	—	9.4	0.79	16.0	0.96	22.2	1.03	29.4	1.06
							280J		400J		520J		650J		770J		920J	
4.21	1.9	8.0	831	0.42	416	0.24	5.4	0.70	11.8	0.88	18.0	0.96	24.5	1.04	30.6	1.07	38.1	1.15
4.22	4.5	19.0	829	1.17	415	0.67	—	—	—	—	—	—	—	—	18.7	0.96	26.6	1.05
4.24	2.5	10.6	825	0.61	413	0.34	—	—	8.8	0.80	15.2	0.93	21.8	1.01	27.9	1.07	35.5	1.12
4.38	3.2	14.0	799	0.82	400	0.46	—	—	—	—	11.2	0.85	18.2	0.98	24.4	1.04	32.0	1.08
4.42	2.4	10.6	792	0.58	396	0.32	—	—	8.9	0.80	15.2	0.93	21.9	1.01	28.0	1.07	35.6	1.12
							280J		400J		520J		650J		770J		920J	
4.44	1.8	8.0	788	0.39	394	0.22	5.4	0.70	11.9	0.88	18.0	0.96	24.6	1.04	30.7	1.07	38.2	1.15
4.67	3.0	14.0	749	0.76	375	0.42	—	—	—	—	11.3	0.85	18.3	0.98	24.5	1.04	32.2	1.08
4.71	1.7	8.0	743	0.36	372	0.20	5.5	0.70	12.0	0.88	18.1	0.96	24.7	1.04	30.7	1.07	38.3	1.15
4.82	2.2	10.6	726	0.52	363	0.29	—	—	9.0	0.80	15.4	0.93	22.1	1.01	28.1	1.07	35.7	1.12
5.00	1.6	8.0	700	0.32	350	0.18	5.6	0.70	12.0	0.88	18.2	0.96	24.8	1.04	30.8	1.07	36.3	1.12
							280J		400J		520J		650J		770J		920J	
5.00	2.8	14.0	700	0.70	350	0.39	—	—	—	—	11.5	0.85	18.5	0.98	24.7	1.04	32.3	1.08
5.05	2.1	10.6	693	0.49	347	0.27	—	—	9.0	0.80	15.4	0.93	22.1	1.01	28.2	1.07	35.8	1.12
5.19	2.7	14.0	674	0.67	337	0.37	—	—	—	—	11.5	0.85	18.5	0.98	24.7	1.04	32.4	1.08
5.30	2.0	10.6	660	0.45	330	0.25	—	—	9.1	0.80	15.5	0.93	22.2	1.01	28.3	1.07	35.9	1.12
5.33	1.5	8.0	657	0.29	328	0.16	5.6	0.70	12.1	0.88	18.3	0.96	24.8	1.04	30.9	1.07	38.4	1.12
							280J		400J		520J		650J		770J		920J	
5.58	1.9	10.6	627	0.42	314	0.24	—	—	9.2	0.80	15.6	0.93	22.3	1.01	28.4	1.07	35.9	1.12
5.59	3.4	19.0	626	0.88	313	0.49	—	—	—	—	—	—	12.6	0.80	19.4	0.96	27.3	1.05
5.60	2.5	14.0	625	0.61	313	0.34	—	—	—	—	11.6	0.85	18.7	0.98	24.9	1.04	32.5	1.08
5.83	2.4	14.0	600	0.58	300	0.32	—	—	—	—	11.7	0.85	18.7	0.98	25.0	1.04	32.6	1.08
5.89	1.8	10.6	594	0.39	297	0.22	—	—	9.2	0.80	15.6	0.93	22.3	1.01	28.4	1.07	36.0	1.12
							280J		400J		520J		650J		770J		920J	
5.94	3.2	19.0	589	0.82	295	0.46	—	—	—	—	—	—	12.7	0.80	19.5	0.96	27.4	1.05
6.24	1.7	10.6	561	0.36	280	0.20	—	—	9.3	0.80	15.7	0.93	22.4	1.01	28.5	1.07	36.1	1.12
6.33	3.0	19.0	553	0.76	276	0.42	—	—	—	—	—	—	12.8	0.80	19.6	0.96	27.6	1.05
6.36	2.2	14.0	550	0.52	275	0.29	—	—	—	—	11.8	0.85	18.9	0.98	25.1	1.04	32.8	1.08
6.63	1.6	10.6	528	0.32	264	0.18	—	—	9.4	0.80	15.8	0.93	22.5	1.01	28.6	1.07	36.1	1.12
							280J		400J		520J		650J		770J		920J	
6.67	2.1	14.0	525	0.49	262	0.27	—	—	—	—	11.9	0.81	18.9	0.98	25.2	1.04	32.8	1.08
6.79	2.8	19.0	515	0.70	258	0.39	—	—	—	—	—	—	12.9	0.80	19.7	0.96	27.7	1.05
7.00	2.0	14.0	500	0.45	250	0.25	—	—	—	—	12.0	0.81	19.0	0.98	25.2	1.04	32.9	1.08
7.04	2.7	19.0	497	0.67	249	0.37	—	—	—	—	—	—	13.0	0.80	19.8	0.96	27.8	1.05
7.07	1.5	10.6	495	0.29	248	0.16	—	—	9.4	0.80	15.8	0.93	22.5	1.01	28.6	1.07	36.2	1.12
							280J		400J		520J		650J		770J		920J	
7.37	1.9	14.0	475	0.42	237	0.24	—	—	—	—	12.0	0.81	19.1	0.98	25.3	1.04	33.0	1.08
7.60	2.5	19.0	461	0.61	230	0.34	—	—	—	—	—	—	13.1	0.80	19.9	0.96	27.9	1.05
7.78	1.8	14.0	450	0.39	225	0.22	—	—	—	—	12.1	0.81	19.1	0.98	25.4	1.04	33.0	1.08
7.92	2.4	19.0	442	0.58	221	0.32	—	—	—	—	—	—	13.2	0.80	20.0	0.96	28.0	1.05
8.24	1.7	14.0	425	0.36	212	0.20	—	—	—	—	12.1	0.81	19.2	0.98	25.4	1.04	33.1	1.08
							280J		400J		520J		650J		770J		920J	
8.64	2.2	19.0	405	0.52	203	0.29	—	—	—	—	—	—	13.3	0.80	20.1	0.91	28.1	1.05
8.75	1.6	14.0	400	0.32	200	0.18	—	—	—	—	12.2	0.81	19.3	0.98	25.5	1.04	33.2	1.08
9.05	2.1	19.0	387	0.49	193	0.27	—	—	—	—	—	—	13.3	0.80	20.2	0.91	28.2	1.05
9.33	1.5	14.0	375	0.29	188	0.16	—	—	—	—	12.3	0.81	19.3	0.98	25.6	1.04	33.2	1.08
9.50	2.0	19.0	368	0.45	184	0.25	—	—	—	—	—	—	13.4	0.80	20.2	0.91	28.2	1.05
							280J		400J		520J		650J		770J		920J	
10.00	1.9	19.0	350	0.42	175	0.24	—	—	—	—	—	—	13.4	0.80	20.3	0.91	28.3	1.05
10.56	1.8	19.0	331	0.39	166	0.22	—	—	—	—	—	—	13.5	0.80	20.4	0.91	28.4	1.05
11.18	1.7	19.0	313	0.36	157	0.20	—	—	—	—	—	—	13.6	0.80	20.4	0.91	28.4	1.05
11.88	1.6	19.0	295	0.32	147	0.18	—	—	—	—	—	—	13.6	0.80	20.5	0.91	28.5	1.05
12.67	1.5	19.0	276	0.29	138	0.16	—	—	—	—	—	—	13.7	0.80	20.6	0.91	28.6	1.05

***Complete Belt Number by adding Number of Ribs; Example — 520J16.**

Table No. 1

SHEAVE COMBINATIONS			NOMINAL DRIVEN SPEEDS AND HORSEPOWER PER GROOVE				NOMINAL CENTER DISTANCE (C.D.) IN INCHES AND ARC-LENGTH FACTOR (F) USING BROWNING POLY-V BELTS*											
	PITCH DIAMETER		3500 R.P.M. MOTOR		1750 R.P.M. MOTOR		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.	
Ratio	Driver	Driven	Nom. Driven Speed	H.P. Per Groove	Nom. Driven Speed	H.P. Per Groove	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F
							500L		615L		725L		840L		975L		1120L	
1.00	3.0	3.0	3500	1.63	1750	1.02	20.3	0.89	26.0	0.93	31.5	0.97	37.3	1.00	44.0	1.03	51.3	1.06
1.00	3.2	3.2	3500	1.90	1750	1.17	20.0	0.89	25.7	0.93	31.2	0.97	37.0	1.00	43.7	1.03	51.0	1.06
1.00	3.4	3.4	3500	2.17	1750	1.33	19.7	0.89	25.4	0.93	30.9	0.97	36.7	1.00	43.4	1.03	50.7	1.06
1.00	3.6	3.6	3500	2.43	1750	1.48	19.3	0.89	25.1	0.93	30.6	0.97	36.3	1.00	43.1	1.03	50.3	1.06
1.00	3.8	3.8	3500	2.69	1750	1.63	19.0	0.89	24.8	0.93	30.3	0.97	36.0	1.00	42.8	1.03	50.0	1.06
							500L		615L		725L		840L		975L		1120L	
1.00	4.0	4.0	3500	2.94	1750	1.78	18.7	0.89	24.5	0.93	30.0	0.97	35.7	1.00	42.5	1.03	49.7	1.06
1.00	4.2	4.2	3500	3.18	1750	1.93	18.4	0.89	24.2	0.93	29.7	0.97	35.4	1.00	42.2	1.03	49.4	1.06
1.00	4.4	4.4	3500	3.42	1750	2.07	18.1	0.89	23.8	0.93	29.3	0.97	35.1	1.00	41.8	1.03	49.1	1.06
1.00	4.6	4.6	3500	3.65	1750	2.22	17.8	0.89	23.5	0.93	29.0	0.97	34.8	1.00	41.5	1.03	48.8	1.06
1.00	4.8	4.8	3500	3.88	1750	2.36	17.5	0.89	23.2	0.93	28.7	0.97	34.5	1.00	41.2	1.03	48.5	1.06
							500L		615L		725L		840L		975L		1120L	
1.00	5.0	5.0	3500	4.10	1750	2.51	17.2	0.89	22.9	0.93	28.4	0.97	34.2	1.00	40.9	1.03	48.2	1.06
1.00	5.2	5.2	3500	4.32	1750	2.65	16.8	0.89	22.6	0.93	28.1	0.97	33.8	1.00	40.6	1.03	47.8	1.06
1.00	5.4	5.4	3500	4.52	1750	2.79	16.5	0.89	22.3	0.93	27.8	0.97	33.5	1.00	40.3	1.03	47.5	1.06
1.00	5.6	5.6	3500	4.73	1750	2.93	16.2	0.89	22.0	0.93	27.5	0.97	33.2	1.00	40.0	1.03	47.2	1.06
1.00	5.8	5.8	3500	4.92	1750	3.07	15.9	0.89	21.6	0.93	27.1	0.97	32.9	1.00	39.6	1.03	46.9	1.06
							500L		615L		725L		840L		975L		1120L	
1.00	6.0	6.0	3500	5.11	1750	3.20	15.6	0.89	21.3	0.93	26.8	0.97	32.6	1.00	39.3	1.03	46.6	1.06
1.00	6.2	6.2	3500	5.29	1750	3.34	15.3	0.89	21.0	0.93	26.5	0.97	32.3	1.00	39.0	1.03	46.3	1.06
1.00	6.4	6.4	3500	5.47	1750	3.48	15.0	0.89	20.7	0.93	26.2	0.97	32.0	1.00	38.7	1.03	46.0	1.06
1.00	7.0	7.0	3500	5.94	1750	3.87	14.0	0.89	19.8	0.93	25.3	0.97	31.0	1.00	37.8	1.03	45.0	1.06
1.00	7.4	7.4	—	—	1750	4.13	13.4	0.89	19.1	0.93	24.6	0.97	30.4	1.00	37.1	1.03	44.4	1.06
							500L		615L		725L		840L		975L		1120L	
1.00	8.0	8.0	—	—	1750	4.51	12.4	0.89	18.2	0.93	23.7	0.97	29.4	1.00	36.2	1.03	43.4	1.06
1.00	9.0	9.0	—	—	1750	5.11	10.9	0.89	16.6	0.93	22.1	0.97	27.9	1.00	34.6	1.03	41.9	1.06
1.00	10.0	10.0	—	—	1750	5.67	—	—	15.1	0.93	20.6	0.97	26.3	1.00	33.1	1.03	40.3	1.06
1.00	12.0	12.0	—	—	1750	6.68	—	—	—	—	17.4	0.97	23.2	1.00	29.9	1.03	37.2	1.06
1.00	14.0	14.0	—	—	1750	7.51	—	—	—	—	—	—	20.0	1.00	26.8	1.03	34.0	1.06
							500L		615L		725L		840L		975L		1120L	
1.03	5.8	6.0	3398	4.96	1699	3.09	15.7	0.86	21.5	0.90	27.0	0.94	32.7	0.97	39.5	1.00	46.7	1.03
1.03	6.0	6.2	3398	5.15	1699	3.23	15.4	0.86	21.2	0.90	26.7	0.94	32.4	0.97	39.2	1.00	46.4	1.03
1.03	6.2	6.4	3398	5.33	1699	3.36	15.1	0.86	20.9	0.90	26.4	0.94	32.1	0.97	38.9	1.00	46.1	1.03
1.04	4.6	4.8	3365	3.74	1683	2.26	17.6	0.86	23.4	0.90	28.9	0.94	34.6	0.97	41.4	1.00	48.6	1.03
1.04	4.8	5.0	3365	3.96	1683	2.40	17.3	0.86	23.1	0.90	28.6	0.94	34.3	0.97	41.1	1.00	48.3	1.03
							500L		615L		725L		840L		975L		1120L	
1.04	5.0	5.2	3365	4.14	1683	2.53	17.0	0.86	22.7	0.90	28.2	0.94	34.0	0.97	40.7	1.00	48.0	1.03
1.04	5.2	5.4	3365	4.36	1683	2.67	16.7	0.86	22.4	0.90	27.9	0.94	33.7	0.97	40.4	1.00	47.7	1.03
1.04	5.4	5.6	3365	4.57	1683	2.81	16.4	0.86	22.1	0.90	27.6	0.94	33.4	0.97	40.1	1.00	47.4	1.03
1.04	5.6	5.8	3365	4.77	1683	2.95	16.1	0.86	21.8	0.90	27.3	0.94	33.1	0.97	39.8	1.00	47.1	1.03
1.05	3.8	4.0	3333	2.77	1667	1.67	18.9	0.86	24.6	0.90	30.1	0.94	35.9	0.97	42.6	1.00	49.9	1.03
							500L		615L		725L		840L		975L		1120L	
1.05	4.0	4.2	3333	3.02	1667	1.82	18.6	0.86	24.3	0.90	29.8	0.94	35.6	0.97	42.3	1.00	49.6	1.03
1.05	4.2	4.4	3333	3.26	1667	1.97	18.2	0.86	24.0	0.90	29.5	0.94	35.2	0.97	42.0	1.00	49.2	1.03
1.05	4.4	4.6	3333	3.50	1667	2.11	17.9	0.86	23.7	0.90	29.2	0.94	34.9	0.97	41.7	1.00	48.9	1.03
1.06	3.2	3.4	3302	1.99	1651	1.21	19.8	0.86	25.6	0.90	31.1	0.94	36.8	0.97	43.6	1.00	50.8	1.03
1.06	3.4	3.6	3302	2.25	1651	1.37	19.5	0.86	25.3	0.90	30.8	0.94	36.5	0.97	43.3	1.00	50.5	1.03
							500L		615L		725L		840L		975L		1120L	
1.06	3.6	3.8	3302	2.51	1651	1.52	19.2	0.86	24.9	0.90	30.4	0.94	36.2	0.97	42.9	1.00	50.2	1.03
1.06	7.0	7.4	3302	6.03	1651	3.91	13.7	0.86	19.4	0.90	24.9	0.94	30.7	0.97	37.4	1.00	44.7	1.03
1.07	3.0	3.2	3271	1.72	1636	1.06	20.1	0.86	25.9	0.90	31.4	0.94	37.1	0.97	43.9	1.00	51.1	1.03
1.07	5.4	5.8	3271	4.61	1636	2.83	16.2	0.86	22.0	0.90	27.5	0.94	33.2	0.97	40.0	1.00	47.2	1.03
1.07	5.6	6.0	3271	4.81	1636	2.97	15.9	0.86	21.6	0.90	27.1	0.94	32.9	0.97	39.6	1.00	46.9	1.03
							500L		615L		725L		840L		975L		1120L	
1.07	5.8	6.2	3271	5.01	1636	3.11	15.6	0.86	21.3	0.90	26.8	0.94	32.6	0.97	39.3	1.00	46.6	1.03
1.07	6.0	6.4	3271	5.19	1636	3.25	15.3	0.86	21.0	0.90	26.5	0.94	32.3	0.97	39.0	1.00	46.3	1.03
1.08	4.8	5.2	3241	4.01	1620	2.43	17.1	0.86	22.9	0.90	28.4	0.94	34.1	0.97	40.9	1.00	48.1	1.03
1.08	5.0	5.4	3241	4.19	1620	2.55	16.8	0.86	22.6	0.90	28.1	0.94	33.8	0.97	40.6	1.00	47.8	1.03
1.08	5.2	5.6	3241	4.40	1620	2.69	16.5	0.86	22.3	0.90	27.8	0.94	33.5	0.97	40.3	1.00	47.5	1.03
							500L		615L		725L		840L		975L		1120L	
1.08	7.4	8.0	—	—	1620	4.19	12.9	0.86	18.7	0.90	24.2	0.94	29.9	0.97	36.7	1.00	43.9	1.03
1.09	4.4	4.8	3211	3.55	1606	2.14	17.8	0.86	23.5	0.90	29.0	0.94	34.8	0.97	41.5	1.00	48.8	1.03
1.09	4.6	5.0	3211	3.78	1606	2.28	17.5	0.86	23.2	0.90	28.7	0.94	34.5	0.97	41.2	1.00	48.5	1.03
1.09	6.4	7.0	3211	5.59	1602	3.54	14.5	0.86	20.2	0.90	25.7	0.94	31.5	0.97	38.2	1.00	45.5	1.03
1.10	4.0	4.4	3182	3.06	1591	1.84	18.4	0.86	24.2	0.90	29.7	0.94	35.4	0.97	42.2	1.00	49.4	1.03
							500L		615L		725L		840L		975L		1120L	
1.10	4.2	4.6	3182	3.31	1591	1.99	18.1	0.86	23.8	0.90	29.3	0.94	35.1	0.97	41.8	1.00	49.1	1.03
1.10	5.8	6.4	3182	5.05	1591	3.13	15.4	0.86	21.2	0.90	26.7	0.94	32.4	0.97	39.2	1.00	46.4	1.03
1.11	3.6	4.0	3153	2.56	1577	1.54	19.0	0.86	24.8	0.90	30.3	0.94	36.0	0.97	42.8	1.00	50.0	1.03
1.11	3.8	4.2	3153	2.81	1577	1.69	18.7	0.86	24.5	0.90	30.0	0.94	35.7	0.97	42.5	1.00	49.7	1.03
1.11	5.4	6.0	3153	4.65	1577	2.85	16.0	0.86	21.8	0.90	27.3	0.94	33.0	0.97	39.8	1.00	47.1	1.03
							500L		615L		725L		840L		975L		1120L	
1.11	5.6	6.2	3153	4.85	1577	2.99	15.7	0.86	21.5	0.90	27.0	0.94	32.7	0.97	39.5	1.00	46.7	1.03
1.11	9.0	10.0	—	—	1577	5.17	—	—	15.8	0.90	21.3	0.94	27.1	0.97	33.8	1.00	41.1	1.03
1.12	3.4	3.8	3125	2.30	1563	1.39	19.3	0.86	25.1	0.90	30.6	0.94	36.3	0.97	43.1	1.00	50.3	1.03
1.12	5.0	5.6	3125	4.23	1563	2.57	16.7	0.86	22.4	0.90	27.9	0.94	33.7	0.97	40.4	1.00	47.7	1.03
1.12	5.2	5.8	3125	4.44	1563	2.71	16.4	0.86	22.1	0.90	27.6	0.94	33.4	0.97	40.1	1.00	47.4	1.03
							500L		615L		725L		840L		975L		1120L	
1.13	3.0	3.4	3097	1.80	1549	1.10	20.0	0.86	25.7	0.90	31.2	0.94	37.0	0.97	43.7	1.00	51.0	1.03
1.13	3.2	3.6	3097	2.07	1549	1.26	19.7	0.86	25.4	0.90	30.9	0.94	36.7	0.97	43.4	1.00	50.7	1.03
1.13	4.6	5.2	3097	3.82	1549	2.30	17.3	0.86	23.1	0.90	28.6	0.94	34.3	0.97	41.1	1.00	48.3	1.03
1.13	4.8	5.4	3097	4.05	1549	2.45	17.0	0.86	22.7	0.90	28.2	0.94	34.0	0.97	40.7	1.00	48.0	1.03
1.13	6.2	7.0	3097	5.46	1549	3.43	14.6	0.86	20.4	0.90	25.9	0.94	31.6	0.97	38.4	1.00	45.6	1.03
							500L		615L		725L		840L		975L		1120L	
1.13	8.0	9.0	—	—	1549	4.59	11.6	0.86	17.4	0.90	22.9	0.94	28.7	0.97	35.4	1.00	42.7	1.03
1.14	4.2	4.8	3070	3.35	1535	2.01	17.9	0.86	23.7	0.90	29.2	0.94	34.9	0.97	41.7	1.00	48.9	1.03
1.14	4.4	5.0	3070	3.59	1535	2.16	17.6	0.86	23.4	0.90	28.9	0.94	34.6	0.97	41.4	1.00	48.6	1.03
1.14	5.6	6.4	3070	4.90	1535	3.01	15.6	0.86	21.3	0.90	26.8	0.94	32.6	0.97	39.3	1.00	46.6	1.03
1.14	7.0	8.0	3070	6.11	1535	3.96	13.2	0.86	19.0	0.90	24.5	0.94	30.2	0.97	37.0	1.00	44.2	1.03

***Complete Belt Number by adding Number of Ribs; Example — 500L8.**

Table No. 2

SHEAVE COMBINATIONS			NOMINAL DRIVEN SPEEDS AND HORSEPOWER PER GROOVE				NOMINAL CENTER DISTANCE (C.D.) IN INCHES AND ARC-LENGTH FACTOR (F) USING BROWNING POLY-V BELTS*											
Ratio	PITCH DIAMETER		3500 R.P.M. MOTOR		1750 R.P.M. MOTOR		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.	
	Driver	Driven	Nom. Driven Speed	H.P. Per Groove	Nom. Driven Speed	H.P. Per Groove	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F
							500L		615L		725L		840L		975L		1120L	
1.14	14.0	16.0	—	—	1535	7.60	—	—	—	—	—	—	18.4	0.97	25.2	1.00	32.4	1.03
1.15	4.0	4.6	3043	3.10	1522	1.86	18.2	0.86	24.0	0.90	29.5	0.94	35.2	0.97	42.0	1.00	49.2	1.03
1.15	5.2	6.0	3043	4.48	1522	2.73	16.2	0.86	22.0	0.90	27.5	0.94	33.2	0.97	40.0	1.00	47.2	1.03
1.15	5.4	6.2	3043	4.69	1522	2.87	15.9	0.86	21.6	0.90	27.1	0.94	32.9	0.97	39.6	1.00	46.9	1.03
1.16	3.8	4.4	3017	2.85	1509	1.71	18.6	0.86	24.3	0.90	29.8	0.94	35.6	0.97	42.3	1.00	49.6	1.03
							500L		615L		725L		840L		975L		1120L	
1.16	5.0	5.8	3017	4.27	1509	2.59	16.5	0.86	22.3	0.90	27.8	0.94	33.5	0.97	40.3	1.00	47.5	1.03
1.16	6.4	7.4	3017	5.63	1509	3.56	14.2	0.86	19.9	0.90	25.4	0.94	31.2	0.97	37.9	1.00	45.2	1.03
1.17	3.6	4.2	2991	2.60	1496	1.56	18.9	0.86	24.6	0.90	30.1	0.94	35.9	0.97	42.6	1.00	49.9	1.03
1.17	4.6	5.4	2991	3.82	1496	2.30	17.1	0.86	22.9	0.90	28.4	0.94	34.1	0.97	40.9	1.00	48.1	1.03
1.17	4.8	5.6	2991	4.05	1496	2.45	16.8	0.86	22.6	0.90	28.1	0.94	33.8	0.97	40.6	1.00	47.8	1.03
							500L		615L		725L		840L		975L		1120L	
1.17	6.0	7.0	2991	5.28	1496	3.29	14.8	0.86	20.5	0.90	26.0	0.94	31.8	0.97	38.5	1.00	45.8	1.03
1.17	12.0	14.0	—	—	1496	6.77	—	—	—	—	15.8	0.94	21.6	0.97	28.3	1.00	35.6	1.03
1.18	3.4	4.0	2966	2.34	1483	1.41	19.2	0.86	24.9	0.90	30.4	0.94	36.2	0.97	42.9	1.00	50.2	1.03
1.18	4.4	5.2	2966	3.63	1483	2.18	17.5	0.86	23.2	0.90	28.7	0.94	34.5	0.97	41.2	1.00	48.5	1.03
1.19	3.2	3.8	2941	2.11	1471	1.28	19.5	0.86	25.3	0.90	30.8	0.94	36.5	0.97	43.3	1.00	50.5	1.03
							500L		615L		725L		840L		975L		1120L	
1.19	4.2	5.0	2941	3.39	1471	2.03	17.8	0.86	23.5	0.90	29.0	0.94	34.8	0.97	41.5	1.00	48.8	1.03
1.19	5.2	6.2	2941	4.53	1471	2.75	16.0	0.86	21.8	0.90	27.3	0.94	33.0	0.97	39.8	1.00	47.0	1.03
1.19	5.4	6.4	2941	4.74	1471	2.89	15.7	0.86	21.5	0.90	27.0	0.94	32.7	0.97	39.5	1.00	46.7	1.03
1.19	6.2	7.4	2941	5.50	1471	3.45	14.3	0.86	20.1	0.90	25.6	0.94	31.3	0.97	38.1	1.00	45.3	1.03
1.20	3.0	3.6	2917	1.84	1458	1.12	19.8	0.86	25.6	0.90	31.1	0.94	36.8	0.97	43.6	1.00	50.8	1.03
							500L		615L		725L		840L		975L		1120L	
1.20	4.0	4.8	2917	3.15	1458	1.88	18.1	0.86	23.8	0.90	29.3	0.94	35.1	0.97	41.8	1.00	49.1	1.03
1.20	5.0	6.0	2917	4.31	1458	2.61	16.4	0.86	22.1	0.90	27.6	0.94	33.4	0.97	40.1	1.00	47.4	1.03
1.20	10.0	12.0	—	—	1458	5.78	—	—	13.4	0.90	19.0	0.94	24.7	0.97	31.5	1.00	38.7	1.03
1.21	3.8	4.6	2893	2.90	1446	1.73	18.4	0.86	24.2	0.90	29.7	0.94	35.4	0.97	42.2	1.00	49.4	1.03
1.21	4.8	5.8	2893	4.09	1446	2.47	16.7	0.86	22.4	0.90	27.9	0.94	33.7	0.97	40.4	1.00	47.7	1.03
							500L		615L		725L		840L		975L		1120L	
1.21	5.8	7.0	2893	5.13	1446	3.17	14.9	0.86	20.7	0.90	26.2	0.94	31.9	0.97	38.7	1.00	45.9	1.03
1.22	3.6	4.4	2869	2.64	1434	1.58	18.7	0.86	24.5	0.90	30.0	0.94	35.7	0.97	42.5	1.00	49.7	1.03
1.22	4.6	5.6	2869	3.86	1434	2.32	17.0	0.86	22.7	0.90	28.2	0.94	34.0	0.97	40.7	1.00	48.0	1.03
1.22	7.4	9.0	—	—	1434	4.24	12.1	0.86	17.9	0.90	23.4	0.94	29.1	0.97	35.9	1.00	43.1	1.03
1.23	4.4	5.4	2846	3.63	1423	2.18	17.3	0.86	23.1	0.90	28.6	0.94	34.3	0.97	41.1	1.00	48.3	1.03
							500L		615L		725L		840L		975L		1120L	
1.23	5.2	6.4	2846	4.53	1423	2.75	15.9	0.86	21.6	0.90	27.1	0.94	32.9	0.97	39.6	1.00	46.9	1.03
1.23	6.0	7.4	2846	5.32	1423	3.31	14.5	0.86	20.2	0.90	25.7	0.94	31.5	0.97	38.2	1.00	45.5	1.03
1.24	3.4	4.2	2823	2.38	1411	1.43	19.0	0.86	24.8	0.90	30.3	0.94	36.0	0.97	42.8	1.00	50.0	1.03
1.24	4.2	5.2	2823	3.39	1411	2.03	17.6	0.86	23.4	0.90	28.9	0.94	34.6	0.97	41.4	1.00	48.6	1.03
1.24	5.0	6.2	2823	4.31	1411	2.61	16.2	0.86	21.9	0.90	27.5	0.94	33.2	0.97	40.0	1.00	47.2	1.03
							500L		615L		725L		840L		975L		1120L	
1.25	3.2	4.0	2800	2.16	1400	1.30	19.3	0.86	25.1	0.90	30.6	0.94	36.3	0.97	43.1	1.00	50.3	1.03
1.25	4.0	5.0	2800	3.19	1400	1.90	17.9	0.86	23.7	0.90	29.2	0.94	34.9	0.97	41.7	1.00	48.9	1.03
1.25	4.8	6.0	2800	4.13	1400	2.49	16.5	0.86	22.3	0.90	27.8	0.94	33.5	0.97	40.3	1.00	47.5	1.03
1.25	5.6	7.0	2800	4.98	1400	3.06	15.1	0.86	20.8	0.90	26.3	0.94	32.1	0.97	38.9	1.00	46.1	1.03
1.25	6.4	8.0	2800	5.72	1400	3.60	13.7	0.86	19.4	0.90	24.9	0.94	30.7	0.97	37.4	1.00	44.7	1.03
							500L		615L		725L		840L		975L		1120L	
1.25	8.0	10.0	—	—	1400	4.63	10.8	0.84	16.6	0.90	22.1	0.94	27.9	0.97	34.6	1.00	41.9	1.03
1.26	3.8	4.8	2778	2.94	1389	1.75	18.2	0.86	24.0	0.90	29.5	0.94	35.2	0.97	42.0	1.00	49.2	1.03
1.26	4.6	5.8	2778	3.91	1389	2.34	16.8	0.86	22.6	0.90	28.1	0.94	33.8	0.97	40.6	1.00	47.8	1.03
1.27	3.0	3.8	2756	1.89	1378	1.14	19.7	0.86	25.4	0.90	30.9	0.94	36.7	0.97	43.4	1.00	50.7	1.03
1.27	4.4	5.6	2756	3.67	1378	2.20	17.1	0.86	22.9	0.90	28.4	0.94	34.1	0.97	40.9	1.00	48.1	1.03
							500L		615L		725L		840L		975L		1120L	
1.28	3.6	4.6	2734	2.68	1367	1.60	18.6	0.86	24.3	0.90	29.8	0.94	35.6	0.97	42.3	1.00	49.6	1.03
1.28	5.0	6.4	2734	4.35	1367	2.63	16.0	0.86	21.8	0.90	27.3	0.94	33.0	0.97	39.8	1.00	47.0	1.03
1.28	5.8	7.4	2734	5.18	1367	3.19	14.6	0.86	20.4	0.90	25.9	0.94	31.6	0.97	38.4	1.00	45.6	1.03
1.29	3.4	4.4	2713	2.42	1357	1.45	18.9	0.86	24.6	0.90	30.1	0.94	35.9	0.97	42.6	1.00	49.9	1.03
1.29	4.2	5.4	2713	3.43	1357	2.05	17.5	0.86	23.2	0.90	28.7	0.94	34.5	0.97	41.2	1.00	48.5	1.03
							500L		615L		725L		840L		975L		1120L	
1.29	4.8	6.2	2713	4.13	1357	2.49	16.4	0.86	22.1	0.90	27.6	0.94	33.4	0.97	40.1	1.00	47.4	1.03
1.29	6.2	8.0	2713	5.54	1357	3.47	13.8	0.86	19.6	0.90	25.1	0.94	30.8	0.97	37.6	1.00	44.8	1.03
1.29	7.0	9.0	2713	6.19	1357	4.00	12.4	0.86	18.2	0.90	23.7	0.94	29.4	0.97	36.2	1.00	43.4	1.03
1.30	4.0	5.2	2692	3.19	1346	1.90	17.8	0.86	23.5	0.90	29.0	0.94	34.8	0.97	41.5	1.00	48.8	1.03
1.30	4.6	6.0	2692	3.91	1346	2.34	16.7	0.86	22.4	0.90	27.9	0.94	33.7	0.97	40.4	1.00	47.7	1.03
							500L		615L		725L		840L		975L		1120L	
1.30	5.4	7.0	2692	4.78	1346	2.92	15.2	0.86	21.0	0.90	26.5	0.94	32.3	0.97	39.0	1.00	46.3	1.03
1.31	3.2	4.2	2672	2.16	1336	1.30	19.2	0.86	24.9	0.90	30.4	0.94	36.2	0.97	42.9	1.00	50.2	1.03
1.32	3.8	5.0	2652	2.94	1326	1.75	18.1	0.86	23.8	0.90	29.3	0.94	35.1	0.97	41.8	1.00	49.1	1.03
1.32	4.4	5.8	2652	3.67	1326	2.20	17.0	0.86	22.7	0.90	28.2	0.94	34.0	0.97	40.7	1.00	48.0	1.03
1.32	5.6	7.4	2652	4.98	1326	3.06	14.8	0.86	20.5	0.90	26.0	0.94	31.8	0.97	38.5	1.00	45.8	1.03
							500L		615L		725L		840L		975L		1120L	
1.33	3.0	4.0	2632	1.89	1316	1.14	19.5	0.86	25.3	0.90	30.8	0.94	36.5	0.97	43.3	1.00	50.5	1.03
1.33	3.6	4.8	2632	2.68	1316	1.60	18.4	0.86	24.1	0.90	29.6	0.94	35.4	0.97	42.2	1.00	49.4	1.03
1.33	4.2	5.6	2632	3.43	1316	2.05	17.3	0.86	23.0	0.90	28.5	0.94	34.3	0.97	41.1	1.00	48.3	1.03
1.33	4.8	6.4	2632	4.13	1316	2.49	16.2	0.86	21.9	0.90	27.4	0.94	33.2	0.97	39.9	1.00	47.2	1.03
1.33	6.0	8.0	2632	5.36	1316	3.33	14.0	0.86	19.7	0.90	25.2	0.94	31.0	0.97	37.7	1.00	45.0	1.03
							500L		615L		725L		840L		975L		1120L	
1.33	9.0	12.0	—	—	1316	5.24	—	—	14.2	0.87	19.7	0.94	25.5	0.97	32.2	1.00	39.5	1.03
1.33	12.0	16.0	—	—	1316	6.81	—	—	—	—	—	—	19.9	0.94	26.7	1.00	34.0	1.03
1.35	3.4	4.6	2593	2.46	1296	1.47	18.7	0.86	24.5	0.90	30.0	0.94	35.7	0.97	42.5	1.00	49.7	1.03
1.35	4.0	5.4	2593	3.23	1296	1.92	17.6	0.86	23.4	0.90	28.9	0.94	34.6	0.97	41.4	1.00	48.6	1.03
1.35	4.6	6.2	2593	3.95	1296	2.37	16.5	0.86	22.3	0.90	27.8	0.94	33.5	0.97	40.3	1.00	47.5	1.03
							500L		615L		725L		840L		975L		1120L	
1.35	5.2	7.0	2593	4.61	1296	2.80	15.4	0.86	21.2	0.90	26.7	0.94	32.4	0.97	39.2	1.00	46.4	1.03
1.35	7.4	10.0	—	—	1296	4.28	11.3	0.84	17.0	0.90	22.6	0.94	28.3	0.97	35.1	1.00	42.3	1.03
1.36	4.4	6.0	2574	3.71	1287	2.22	16.8	0.86	22.6	0.90	28.1	0.94	33.8	0.97	40.6	1.00	47.8	1.03
1.37	3.8	5.2	2555	2.98	1277	1.78	17.9	0.86	23.7	0.90	29.2	0.94	34.9	0.97	41.7	1.00	48.9	1.03
1.37	5.4	7.4	2555	4.82	1277	2.94	14.9	0.86	20.7	0.90	26.2	0.94	31.9	0.97	38.7	1.00	45.9	1.03

***Complete Belt Number by adding Number of Ribs; Example — 500L10.**

D

Table No. 3

SHEAVE COMBINATIONS			NOMINAL DRIVEN SPEEDS AND HORSEPOWER PER GROOVE				NOMINAL CENTER DISTANCE (C.D.) IN INCHES AND ARC-LENGTH FACTOR (F) USING BROWNING POLY-V BELTS*											
	PITCH DIAMETER		3500 R.P.M. MOTOR		1750 R.P.M. MOTOR		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.	
Ratio	Driver	Driven	Nom. Driven Speed	H.P. Per Groove	Nom. Driven Speed	H.P. Per Groove	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F
							500L		615L		725L		840L		975L		1120L	
1.38	3.2	4.4	2536	2.20	1268	1.32	19.0	0.86	24.8	0.90	30.3	0.94	36.0	0.97	42.8	1.00	50.0	1.03
1.38	4.2	5.8	2536	3.48	1268	2.07	17.1	0.86	22.9	0.90	28.4	0.94	34.1	0.97	40.9	1.00	48.1	1.03
1.38	5.8	8.0	2536	5.22	1268	3.22	14.1	0.86	19.9	0.90	25.4	0.94	31.1	0.97	37.9	1.00	45.2	1.03
1.39	3.6	5.0	2518	2.72	1259	1.62	18.2	0.86	24.0	0.90	29.5	0.94	35.2	0.97	42.0	1.00	49.2	1.03
1.39	4.6	6.4	2518	3.95	1259	2.37	16.3	0.86	22.1	0.90	27.6	0.94	33.4	0.97	40.1	1.00	47.4	1.03
							500L		615L		725L		840L		975L		1120L	
1.40	3.0	4.2	2500	1.93	1250	1.17	19.3	0.86	25.1	0.90	30.6	0.94	36.3	0.97	43.1	1.00	50.3	1.03
1.40	4.0	5.6	2500	3.23	1250	1.92	17.4	0.86	23.2	0.90	28.7	0.94	34.5	0.97	41.2	1.00	48.5	1.03
1.40	5.0	7.0	2500	4.40	1250	2.65	15.5	0.86	21.3	0.90	26.8	0.94	32.6	0.97	39.3	1.00	46.6	1.03
1.40	10.0	14.0	—	—	1250	5.82	—	—	—	—	17.3	0.91	23.1	0.94	29.8	1.00	37.1	1.03
1.41	3.4	4.8	2482	2.46	1241	1.47	18.5	0.86	24.3	0.90	29.8	0.94	35.6	0.97	42.3	1.00	49.6	1.03
							500L		615L		725L		840L		975L		1120L	
1.41	4.4	6.2	2482	3.71	1241	2.22	16.7	0.86	22.4	0.90	27.9	0.94	33.7	0.97	40.4	1.00	47.7	1.03
1.41	6.4	9.0	2482	5.76	1241	3.62	12.8	0.84	18.6	0.90	24.1	0.94	29.9	0.97	36.6	1.00	43.9	1.03
1.42	3.8	5.4	2465	2.98	1232	1.78	17.8	0.86	23.5	0.90	29.0	0.94	34.8	0.97	41.5	1.00	48.8	1.03
1.42	5.2	7.4	2465	4.61	1232	2.80	15.1	0.86	20.8	0.90	26.3	0.94	32.1	0.97	38.8	1.00	46.1	1.03
1.43	4.2	6.0	2448	3.48	1224	2.07	17.0	0.86	22.7	0.90	28.2	0.94	34.0	0.97	40.7	1.00	48.0	1.03
							540L		655L		765L		915L		1065L		1215L	
1.43	5.6	8.0	2448	5.02	1224	3.08	16.3	0.87	22.0	0.92	27.5	0.95	35.1	0.99	42.6	1.02	50.1	1.05
1.43	7.0	10.0	2448	6.24	1224	4.02	13.6	0.85	19.3	0.92	24.9	0.95	32.4	0.99	39.9	1.02	47.4	1.05
1.43	14.0	20.0	—	—	1224	7.66	—	—	—	—	—	—	18.8	0.99	26.4	0.99	33.9	1.02
1.44	3.2	4.6	2431	2.20	1215	1.32	20.9	0.87	26.6	0.92	32.1	0.95	39.6	0.99	47.1	1.02	54.6	1.05
1.44	3.6	5.2	2431	2.72	1215	1.62	20.1	0.87	25.8	0.92	31.3	0.95	38.8	0.99	46.3	1.02	53.8	1.05
							500L		615L		725L		840L		975L		1120L	
1.45	4.0	5.8	2414	3.23	1207	1.92	17.3	0.86	23.0	0.90	28.5	0.94	34.3	0.97	41.0	1.00	48.3	1.03
1.45	4.4	6.4	2414	3.71	1207	2.22	16.5	0.86	22.2	0.90	27.8	0.94	33.5	0.97	40.3	1.00	47.5	1.03
1.45	6.2	9.0	2414	5.59	1207	3.49	13.0	0.84	18.8	0.90	24.3	0.94	30.0	0.97	36.8	1.00	44.0	1.03
1.46	4.8	7.0	2397	4.18	1199	2.51	15.7	0.86	21.5	0.90	27.0	0.94	32.7	0.97	39.5	1.00	46.7	1.03
1.47	3.0	4.4	2381	1.93	1190	1.17	19.2	0.86	24.9	0.90	30.4	0.94	36.2	0.97	42.9	1.00	50.2	1.03
							500L		615L		725L		840L		975L		1120L	
1.47	3.4	5.0	2381	2.46	1190	1.47	18.4	0.86	24.1	0.90	29.6	0.94	35.4	0.97	42.1	1.00	49.4	1.03
1.47	3.8	5.6	2381	2.98	1190	1.78	17.6	0.86	23.4	0.90	28.9	0.94	34.6	0.97	41.4	1.00	48.6	1.03
1.48	4.2	6.2	2365	3.48	1182	2.07	16.8	0.86	22.6	0.90	28.1	0.94	33.8	0.97	40.6	1.00	47.8	1.03
1.48	5.0	7.4	2365	4.40	1182	2.65	15.2	0.86	21.0	0.90	26.5	0.94	32.2	0.97	39.0	1.00	46.3	1.03
1.48	5.4	8.0	2365	4.82	1182	2.94	14.4	0.84	20.2	0.90	25.7	0.94	31.5	0.97	38.2	1.00	45.5	1.03
							500L		615L		725L		840L		975L		1120L	
1.50	3.2	4.8	2333	2.20	1167	1.32	18.7	0.86	24.5	0.90	30.0	0.94	35.7	0.97	42.5	1.00	49.7	1.03
1.50	3.6	5.4	2333	2.72	1167	1.62	17.9	0.86	23.7	0.90	29.2	0.94	34.9	0.97	41.7	1.00	48.9	1.03
1.50	4.0	6.0	2333	3.23	1167	1.92	17.1	0.86	22.9	0.90	28.4	0.94	34.1	0.97	40.9	1.00	48.1	1.03
1.50	6.0	9.0	2333	5.41	1167	3.35	13.1	0.84	18.9	0.90	24.4	0.94	30.2	0.97	36.9	1.00	44.2	1.03
1.50	8.0	12.0	—	—	1167	4.66	—	—	14.9	0.87	20.5	0.91	26.2	0.97	33.0	1.00	40.3	1.03
							500L		615L		725L		840L		975L		1120L	
1.50	12.0	18.0	—	—	1167	6.83	—	—	—	—	—	—	18.2	0.94	25.0	0.97	32.3	1.00
1.52	4.2	6.4	2303	3.52	1151	2.09	16.6	0.86	22.4	0.90	27.9	0.94	33.7	0.97	40.4	1.00	47.7	1.03
1.52	4.6	7.0	2303	3.99	1151	2.39	15.8	0.86	21.6	0.90	27.1	0.94	32.9	0.97	39.6	1.00	46.9	1.03
1.53	3.0	4.6	2288	1.97	1144	1.19	19.0	0.86	24.8	0.90	30.3	0.94	36.0	0.97	42.8	1.00	50.0	1.03
1.53	3.4	5.2	2288	2.51	1144	1.49	18.2	0.86	24.0	0.90	29.5	0.94	35.2	0.97	42.0	1.00	49.2	1.03
							500L		615L		725L		840L		975L		1120L	
1.53	3.8	5.8	2288	3.02	1144	1.80	17.4	0.86	23.2	0.90	28.7	0.94	34.4	0.97	41.2	1.00	48.5	1.03
1.54	4.8	7.4	2273	4.22	1136	2.53	15.4	0.84	21.1	0.90	26.6	0.94	32.4	0.97	39.2	1.00	46.4	1.03
1.54	5.2	8.0	2273	4.65	1136	2.82	14.6	0.84	20.3	0.90	25.9	0.94	31.6	0.97	38.4	1.00	45.6	1.03
1.55	4.0	6.2	2258	3.27	1129	1.95	17.0	0.86	22.7	0.90	28.2	0.94	34.0	0.97	40.7	1.00	48.0	1.03
1.55	5.8	9.0	2258	5.26	1129	3.24	13.3	0.84	19.1	0.87	24.6	0.94	30.3	0.97	37.1	1.00	44.4	1.03
							500L		615L		725L		840L		975L		1120L	
1.56	3.2	5.0	2244	2.24	1122	1.34	18.5	0.86	24.3	0.90	29.8	0.94	35.6	0.97	42.3	1.00	49.6	1.03
1.56	3.6	5.6	2244	2.77	1122	1.65	17.7	0.86	23.5	0.90	29.0	0.94	34.8	0.97	41.5	1.00	48.8	1.03
1.56	6.4	10.0	2244	5.80	1122	3.64	12.0	0.84	17.8	0.87	23.3	0.94	29.1	0.97	35.8	1.00	43.1	1.03
1.56	9.0	14.0	—	—	1122	5.28	—	—	12.4	0.85	18.0	0.91	23.8	0.94	30.6	1.00	37.9	1.03
1.58	3.8	6.0	2215	3.02	1108	1.80	17.3	0.86	23.0	0.90	28.5	0.94	34.3	0.97	41.0	1.00	48.3	1.03
							500L		615L		725L		840L		975L		1120L	
1.59	3.4	5.4	2201	2.51	1101	1.49	18.1	0.86	23.8	0.90	29.3	0.94	35.1	0.97	41.8	1.00	49.1	1.03
1.59	4.4	7.0	2201	3.76	1101	2.24	16.0	0.86	21.8	0.90	27.3	0.94	33.0	0.97	39.8	1.00	47.0	1.03
1.60	3.0	4.8	2188	1.97	1094	1.19	18.9	0.86	24.6	0.90	30.1	0.94	35.9	0.97	42.6	1.00	49.9	1.03
1.60	4.0	6.4	2188	3.27	1094	1.95	16.8	0.86	22.6	0.90	28.1	0.94	33.8	0.97	40.6	1.00	47.8	1.03
1.60	5.0	8.0	2188	4.44	1094	2.67	14.7	0.84	20.5	0.90	26.0	0.94	31.8	0.97	38.5	1.00	45.8	1.03
							500L		615L		725L		840L		975L		1120L	
1.60	10.0	16.0	—	—	1094	5.84	—	—	—	—	15.6	0.88	21.4	0.94	28.2	0.97	35.5	1.00
1.61	3.6	5.8	2174	2.77	1087	1.65	17.6	0.86	23.3	0.90	28.9	0.94	34.6	0.97	41.4	1.00	48.6	1.03
1.61	4.6	7.4	2174	3.99	1087	2.39	15.5	0.84	21.3	0.90	26.8	0.94	32.5	0.97	39.3	1.00	46.6	1.03
1.61	5.6	9.0	2174	5.06	1087	3.10	13.4	0.84	19.2	0.87	24.7	0.94	30.5	0.97	37.3	1.00	44.5	1.03
1.61	6.2	10.0	2174	5.63	1087	3.51	12.1	0.84	17.9	0.87	23.5	0.94	29.2	0.97	36.0	1.00	43.2	1.03
							500L		615L		725L		840L		975L		1120L	
1.62	7.4	12.0	—	—	1080	4.30	—	—	15.3	0.87	20.9	0.91	26.7	0.94	33.4	1.00	40.7	1.03
1.63	3.2	5.2	2147	2.24	1074	1.34	18.4	0.86	24.1	0.90	29.6	0.94	35.4	0.97	42.1	1.00	49.4	1.03
1.63	3.8	6.2	2147	3.02	1074	1.80	17.1	0.86	22.9	0.90	28.4	0.94	34.1	0.97	40.9	1.00	48.1	1.03
1.65	3.4	5.6	2121	2.51	1061	1.49	17.9	0.86	23.7	0.90	29.2	0.94	34.9	0.97	41.7	1.00	48.9	1.03
1.67	3.0	5.0	2096	1.97	1048	1.19	18.7	0.86	24.4	0.90	30.0	0.94	35.7	0.97	42.5	1.00	49.7	1.03
							500L		615L		725L		840L		975L		1120L	
1.67	3.6	6.0	2096	2.77	1048	1.65	17.4	0.86	23.2	0.90	28.7	0.94	34.4	0.97	41.2	1.00	48.4	1.03
1.67	4.2	7.0	2096	3.52	1048	2.09	16.1	0.84	21.9	0.90	27.4	0.94	33.2	0.97	39.9	1.00	47.2	1.03
1.67	4.8	8.0	2096	4.22	1048	2.53	14.9	0.84	20.6	0.90	26.2	0.94	31.9	0.97	38.7	1.00	45.9	1.03
1.67	5.4	9.0	2096	4.86	1048	2.96	13.6	0.84	19.4	0.87	24.9	0.94	30.6	0.97	37.4	1.00	44.7	1.03
1.67	6.0	10.0	2096	5.45	1048	3.37	12.3	0.84	18.1	0.87	23.6	0.91	29.4	0.97	36.1	1.00	43.4	1.03
							540L		655L		765L		915L		1065L		1215L	
1.67	12.0	20.0	—	—	1048	6.85	—	—	—	—	—	—	20.2	0.93	27.8	0.99	35.4	1.02
1.68	3.8	6.4	2083	3.02	1042	1.80	18.9	0.87	24.7	0.92	30.2	0.95	37.7	0.99	45.2	1.02	52.7	1.05
1.68	4.4	7.4	2083	3.76	1042	2.24	17.7	0.85	23.4	0.92	28.9	0.95	36.5	0.99	44.0	1.02	51.5	1.05
1.69	3.2	5.4	2071	2.24	1036	1.34	20.2	0.87	26.0	0.92	31.5	0.95	39.0	0.99	46.5	1.02	54.0	1.05
1.71	3.4	5.8	2047	2.51	1023	1.49	19.7	0.87	25.5	0.92	31.0	0.95	38.5	0.99	46.0	1.02	53.5	1.05

***Complete Belt Number by adding Number of Ribs; Example — 500L16.**

Table No. 4

SHEAVE COMBINATIONS			NOMINAL DRIVEN SPEEDS AND HORSEPOWER PER GROOVE				NOMINAL CENTER DISTANCE (C.D.) IN INCHES AND ARC-LENGTH FACTOR (F) USING BROWNING POLY-V BELTS*											
Ratio	PITCH DIAMETER		3500 R.P.M. MOTOR		1750 R.P.M. MOTOR		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.	
	Driver	Driven	Nom. Driven Speed	H.P. Per Groove	Nom. Driven Speed	H.P. Per Groove	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F
							500L		615L		725L		840L		975L		1120L	
1.71	7.0	12.0	2047	6.28	1023	4.04	—	—	15.6	0.87	21.2	0.91	27.0	0.94	33.7	1.00	41.0	1.03
1.72	3.6	6.2	2035	2.77	1017	1.65	17.3	0.86	23.0	0.90	28.5	0.94	34.3	0.97	41.0	1.00	48.3	1.03
1.72	5.8	10.0	2035	5.26	1017	3.24	12.4	0.81	18.2	0.87	23.8	0.91	29.5	0.97	36.3	1.00	43.5	1.03
1.73	3.0	5.2	2023	1.97	1012	1.19	18.5	0.86	24.3	0.90	29.8	0.94	35.5	0.97	42.3	1.00	49.6	1.03
1.73	5.2	9.0	2023	4.65	1012	2.82	13.7	0.84	19.5	0.87	25.0	0.94	30.8	0.97	37.6	1.00	44.8	1.03
							500L		615L		725L		840L		975L		1120L	
1.74	4.6	8.0	2011	3.99	1006	2.39	15.0	0.84	20.8	0.90	26.3	0.94	32.1	0.97	38.8	1.00	46.1	1.03
1.75	3.2	5.6	2000	2.24	1000	1.34	18.1	0.86	23.8	0.90	29.3	0.94	35.1	0.97	41.8	1.00	49.1	1.03
1.75	4.0	7.0	2000	3.27	1000	1.95	16.3	0.84	22.1	0.90	27.6	0.94	33.3	0.97	40.1	1.00	47.3	1.03
1.75	8.0	14.0	—	—	1000	4.68	—	—	13.1	0.85	18.7	0.91	24.5	0.94	31.3	0.97	38.6	1.03
1.76	3.4	6.0	1989	2.51	994	1.49	17.6	086	23.3	0.90	28.8	0.94	34.6	0.97	41.4	1.00	48.6	1.03
							500L		615L		725L		840L		975L		1120L	
1.76	4.2	7.4	1989	3.52	994	2.09	15.8	0.84	21.6	0.90	27.1	0.94	32.9	0.97	39.6	1.00	46.9	1.03
1.78	3.6	6.4	1966	2.77	983	1.65	17.1	0.86	22.9	0.90	28.4	0.94	34.1	0.97	40.9	1.00	48.1	1.03
1.78	9.0	16.0	—	—	983	5.28	—	—	—	—	16.2	0.88	22.1	0.94	28.9	0.97	36.2	1.00
1.79	5.6	10.0	1955	5.06	978	3.10	12.6	0.81	18.4	0.87	23.9	0.91	29.7	0.97	36.4	1.00	43.7	1.03
1.80	3.0	5.4	1944	1.97	972	1.19	18.4	0.86	24.1	0.90	29.6	0.94	35.4	0.97	42.1	1.00	49.4	1.03
							500L		615L		725L		840L		975L		1120L	
1.80	5.0	9.0	1944	4.44	972	2.67	13.9	0.84	19.7	0.87	25.2	0.94	30.9	0.97	37.7	1.00	45.0	1.03
1.80	10.0	18.0	—	—	972	5.84	—	—	—	—	—	—	19.6	0.91	26.5	0.97	33.8	1.00
1.81	3.2	5.8	1934	2.24	967	1.34	17.9	0.86	23.6	0.90	29.2	0.94	34.9	0.97	41.7	1.00	48.9	1.03
1.82	3.4	6.2	1923	2.51	962	1.49	17.4	0.86	23.2	0.90	28.7	0.94	34.4	0.97	41.2	1.00	48.4	1.03
1.82	4.4	8.0	1923	3.76	962	2.24	15.2	0.84	20.9	0.87	26.5	0.94	32.2	0.97	39.0	1.00	46.2	1.03
							500L		615L		725L		840L		975L		1120L	
1.84	3.8	7.0	1902	3.02	951	1.80	16.4	0.84	22.2	0.90	27.7	0.94	33.5	0.97	40.2	1.00	47.5	1.03
1.85	4.0	7.4	1892	3.27	946	1.95	16.0	0.84	21.7	0.90	27.2	0.94	33.0	0.97	39.8	1.00	47.0	1.03
1.85	5.4	10.0	1892	4.86	946	2.96	12.7	0.81	18.5	0.87	24.1	0.91	29.8	0.97	36.6	1.00	43.9	1.03
1.87	3.0	5.6	1872	1.97	936	1.19	18.2	0.86	24.0	0.90	29.5	0.94	35.2	0.97	42.0	1.00	49.2	1.03
1.88	3.2	6.0	1862	2.24	931	1.34	17.7	0.86	23.5	0.90	29.0	0.94	34.7	0.97	41.5	1.00	48.8	1.03
							500L		615L		725L		840L		975L		1120L	
1.88	3.4	6.4	1862	2.51	931	1.49	17.2	0.84	23.0	0.90	28.5	0.94	34.3	0.97	41.0	1.00	48.3	1.03
1.88	4.8	9.0	1862	4.22	931	2.53	14.0	0.84	19.8	0.87	25.3	0.94	31.1	0.97	37.9	1.00	45.1	1.03
1.88	6.4	12.0	1862	5.80	931	3.64	10.2	0.78	16.1	0.85	21.6	0.91	27.4	0.94	34.2	1.00	41.5	1.03
1.89	7.4	14.0	—	—	926	4.30	—	—	13.5	0.85	19.2	0.88	25.0	0.94	31.8	0.97	39.1	1.00
1.90	4.2	8.0	1842	3.52	921	2.09	15.3	0.84	21.1	0.87	26.6	0.94	32.4	0.97	39.1	1.00	46.4	1.03
							500L		615L		725L		840L		975L		1120L	
1.92	5.2	10.0	1823	4.65	911	2.82	12.8	0.81	18.7	0.87	24.2	0.91	30.0	0.97	36.7	1.00	44.0	1.03
1.93	3.0	5.8	1813	1.97	907	1.19	18.0	0.86	23.8	0.90	29.3	0.94	35.1	0.97	41.8	1.00	49.1	1.03
1.94	3.2	6.2	1804	2.24	902	1.34	17.6	0.84	23.3	0.90	28.8	0.94	34.6	0.97	41.3	1.00	48.6	1.03
1.94	3.6	7.0	1804	2.77	902	1.65	16.6	0.84	22.4	0.90	27.9	0.94	33.6	0.97	40.4	1.00	47.6	1.03
1.94	6.2	12.0	1804	5.63	902	3.51	10.3	0.78	16.2	0.85	21.8	0.91	27.6	0.94	34.3	0.97	41.6	1.03
							500L		615L		725L		840L		975L		1120L	
1.95	3.8	7.4	1795	3.02	897	1.80	16.1	0.84	21.9	0.90	27.4	0.94	33.2	0.97	39.9	1.00	47.2	1.03
1.96	4.6	9.0	1786	3.99	893	2.39	14.2	0.84	20.0	0.87	25.5	0.91	31.2	0.97	38.0	1.00	45.3	1.03
2.00	3.0	6.0	1750	2.01	875	1.21	17.9	0.84	23.6	0.90	29.1	0.94	34.9	0.97	41.7	1.00	48.9	1.03
2.00	3.2	6.4	1750	2.28	875	1.36	17.4	0.84	23.2	0.90	28.7	0.94	34.4	0.97	41.2	1.00	48.4	1.03
2.00	4.0	8.0	1750	3.32	875	1.97	15.5	0.84	21.2	0.87	26.8	0.94	32.5	0.97	39.3	1.00	46.5	1.03
							500L		615L		725L		840L		975L		1120L	
2.00	5.0	10.0	1750	4.48	875	2.70	13.0	0.81	18.8	0.87	24.3	0.91	30.1	0.97	36.9	1.00	44.2	1.03
2.00	6.0	12.0	1750	5.49	875	3.39	10.4	0.78	16.3	0.85	21.9	0.91	27.7	0.94	34.5	0.97	41.8	1.03
2.00	7.0	14.0	1750	6.32	875	4.06	—	—	13.8	0.82	19.5	0.88	25.3	0.94	32.1	0.97	39.4	1.00
2.00	8.0	16.0	—	—	875	4.70	—	—	—	—	16.9	0.88	22.8	0.91	29.6	0.97	36.9	1.00
2.00	9.0	18.0	—	—	875	5.30	—	—	—	—	14.4	0.85	20.3	0.91	27.2	0.97	34.5	1.00
							615L		725L		840L		975L		1120L		1295L	
2.00	10.0	20.0	—	—	875	5.86	—	—	—	—	17.7	0.88	24.7	0.94	32.1	1.00	40.9	1.03
2.00	12.0	24.0	—	—	875	6.87	—	—	—	—	—	—	19.6	0.91	27.1	0.96	36.0	1.00
2.05	4.4	9.0	1707	3.80	854	2.26	20.1	0.87	25.6	0.91	31.4	0.97	38.2	1.00	45.4	1.03	54.2	1.07
2.06	3.4	7.0	1699	2.55	850	1.52	22.5	0.90	28.0	0.94	33.8	0.97	40.5	1.00	47.8	1.03	56.6	1.07
2.06	3.6	7.4	1699	2.81	850	1.67	22.0	0.87	27.5	0.94	33.3	0.97	40.1	1.00	47.3	1.03	56.1	1.07
							500L		615L		725L		840L		975L		1120L	
2.07	3.0	6.2	1691	2.01	845	1.21	17.7	0.84	23.5	0.90	29.0	0.94	34.7	0.97	41.5	1.00	48.8	1.03
2.07	5.8	12.0	1691	5.30	845	3.26	10.6	0.78	16.5	0.85	22.1	0.91	27.9	0.94	34.6	0.97	41.9	1.03
2.08	4.8	10.0	1683	4.26	841	2.55	13.1	0.81	19.0	0.87	24.5	0.91	30.3	0.94	37.0	1.00	44.3	1.03
2.11	3.8	8.0	1659	3.06	829	1.82	15.6	0.84	21.4	0.87	26.9	0.94	32.7	0.97	39.4	1.00	46.7	1.03
2.13	3.0	6.4	1643	2.01	822	1.21	17.5	0.84	23.3	0.90	28.8	0.94	34.6	0.97	41.3	1.00	48.6	1.03
							655L		765L		865L		990L		1150L		1310L	
2.14	4.2	9.0	1636	3.56	818	2.12	22.3	0.89	27.8	0.92	32.8	0.98	39.1	1.01	47.1	1.04	55.1	1.07
2.14	5.6	12.0	1636	5.11	818	3.12	18.7	0.86	24.2	0.92	29.3	0.95	35.5	0.98	43.6	1.04	51.6	1.07
2.14	14.0	30.0	—	—	818	7.70	—	—	—	—	—	—	—	—	—	—	29.9	0.97
2.16	7.4	16.0	—	—	810	4.32	13.7	0.84	19.4	0.89	24.5	0.92	30.8	0.98	38.9	1.01	46.9	1.03
2.17	4.6	10.0	1613	4.03	806	2.41	21.1	0.89	26.7	0.92	31.7	0.95	37.9	1.01	46.0	1.04	54.0	1.07
							500L		615L		725L		840L		975L		1120L	
2.18	3.4	7.4	1606	2.55	803	1.52	16.4	0.84	22.2	0.87	27.7	0.94	33.5	0.97	40.2	1.00	47.5	1.03
2.19	3.2	7.0	1598	2.28	799	1.36	16.9	0.84	22.7	0.87	28.2	0.94	33.9	0.97	40.7	1.00	48.0	1.03
2.19	6.4	14.0	1598	5.84	799	3.67	—	—	14.2	0.82	19.9	0.88	25.7	0.94	32.5	0.97	39.8	1.00
2.22	3.6	8.0	1577	2.81	788	1.67	15.7	0.84	21.5	0.87	27.1	0.94	32.8	0.97	39.6	1.00	46.8	1.03
2.22	5.4	12.0	1577	4.90	788	2.98	10.8	0.78	16.8	0.85	22.3	0.91	28.1	0.94	34.9	0.97	42.2	1.03
							500L		615L		725L		840L		975L		1120L	
2.22	9.0	20.0	—	—	788	5.30	—	—	—	—	—	—	18.4	0.88	25.4	0.94	32.8	0.96
2.25	4.0	9.0	1556	3.32	778	1.97	14.6	0.81	20.4	0.87	25.9	0.91	31.7	0.97	38.5	1.00	45.7	1.03
2.25	8.0	18.0	—	—	778	4.70	—	—	—	—	15.0	0.85	21.0	0.91	27.9	0.94	35.2	1.00
2.26	6.2	14.0	1549	5.67	774	3.53	—	—	14.4	0.82	20.0	0.88	25.8	0.94	32.7	0.97	40.0	1.00
2.27	4.4	10.0	1542	3.80	771	2.26	13.4	0.81	19.2	0.87	24.8	0.91	30.6	0.94	37.3	1.00	44.6	1.03
							500L		615L		725L		840L		975L		1120L	
2.29	7.0	16.0	1528	6.32	764	4.06	—	—	—	—	17.6	0.85	23.5	0.91	30.4	0.97	37.7	1.00
2.31	3.2	7.4	1515	2.28	758	1.36	16.5	0.84	22.3	0.87	27.8	0.94	33.6	0.97	40.4	1.00	47.6	1.03
2.31	5.2	12.0	1515	4.70	758	2.84	11.0	0.78	16.9	0.85	22.5	0.91	28.3	0.94	35.1	0.97	42.4	1.03
2.33	3.0	7.0	1502	2.01	751	1.21	17.0	0.84	22.8	0.87	28.3	0.94	34.1	0.97	40.9	1.00	48.1	1.03
2.33	6.0	14.0	1502	5.49	751	3.39	—	—	14.5	0.82	20.2	0.88	26.0	0.94	32.8	0.97	40.1	1.00

***Complete Belt Number by adding Number of Ribs; Example — 615L20.**

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Table No. 5

SHEAVE COMBINATIONS			NOMINAL DRIVEN SPEEDS AND HORSEPOWER PER GROOVE				NOMINAL CENTER DISTANCE (C.D.) IN INCHES AND ARC-LENGTH FACTOR (F) USING BROWNING POLY-V BELTS*											
	PITCH DIAMETER		3500 R.P.M. MOTOR		1750 R.P.M. MOTOR		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.	
RATIO	Driver	Driven	Nom. Driven Speed	H.P. Per Groove	Nom. Driver Speed	H.P. Per Groove	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F
							540L		655L		765L		915L		1065L		1215L	
2.35	3.4	8.0	1489	2.55	745	1.52	17.9	0.85	23.7	0.89	29.2	0.95	36.7	0.99	44.2	1.02	51.7	1.05
2.37	3.8	9.0	1477	3.06	738	1.82	16.8	0.85	22.6	0.89	28.1	0.92	35.6	0.99	43.1	1.02	50.6	1.05
2.38	4.2	10.0	1471	3.56	735	2.12	15.6	0.82	21.4	0.89	26.9	0.92	34.5	0.96	42.0	1.02	49.5	1.05
2.40	5.0	12.0	1458	4.48	729	2.70	13.2	0.79	19.1	0.86	24.7	0.92	32.2	0.96	39.8	0.99	47.3	1.05
2.40	10.0	24.0	—	—	729	5.86	—	—	—	—	—	—	17.7	0.86	25.6	0.92	33.3	0.98
							500L		615L		725L		840L		975L		1120L	
2.41	5.8	14.0	1452	5.30	726	3.26	—	—	14.6	0.82	20.3	0.88	26.1	0.94	33.0	0.97	40.2	1.00
2.43	7.4	18.0	—	—	720	4.32	—	—	—	—	15.4	0.81	21.4	0.91	28.3	0.94	35.7	1.00
2.47	3.0	7.4	1417	2.01	709	1.21	16.7	0.84	22.5	0.87	28.0	0.94	33.8	0.97	40.5	1.00	47.8	1.03
2.50	3.2	8.0	1400	2.28	700	1.36	16.0	0.84	21.8	0.87	27.4	0.91	33.1	0.97	39.9	1.00	47.1	1.03
2.50	3.6	9.0	1400	2.81	700	1.67	14.9	0.81	20.7	0.87	26.2	0.91	32.0	0.94	38.8	1.00	46.0	1.03
							500L		615L		725L		840L		975L		1120L	
2.50	4.0	10.0	1400	3.32	700	1.97	13.7	0.81	19.5	0.87	25.1	0.91	30.9	0.94	37.6	1.00	44.9	1.03
2.50	4.8	12.0	1400	4.26	700	2.55	11.2	0.78	17.2	0.85	22.8	0.91	28.6	0.94	35.4	0.97	42.7	1.00
2.50	5.6	14.0	1400	5.11	700	3.12	—	—	14.8	0.82	20.4	0.88	26.3	0.94	33.1	0.97	40.4	1.00
2.50	6.4	16.0	1400	5.84	700	3.67	—	—	12.2	0.78	18.0	0.85	23.9	0.91	30.8	0.97	38.1	1.00
2.50	8.0	20.0	—	—	700	4.70	—	—	—	—	—	—	19.1	0.88	26.1	0.94	33.5	0.96
							655L		765L		865L		990L		1150L		1310L	
2.50	12.0	30.0	—	—	700	6.87	—	—	—	—	—	—	—	—	22.8	0.90	31.2	0.97
2.57	7.0	18.0	1362	6.32	681	4.06	—	—	17.8	0.86	23.0	0.92	29.4	0.95	37.5	1.01	45.5	1.03
2.58	6.2	16.0	1357	5.67	678	3.53	14.5	0.80	20.2	0.89	25.3	0.92	31.7	0.98	39.8	1.01	47.8	1.03
2.59	5.4	14.0	1351	4.90	676	2.98	17.0	0.84	22.6	0.89	27.7	0.95	34.0	0.98	42.1	1.01	50.1	1.03
2.61	4.6	12.0	1341	4.03	670	2.41	19.4	0.86	24.9	0.92	30.0	0.95	36.3	0.98	44.3	1.01	52.3	1.07
							540L		655L		765L		915L		1065L		1215L	
2.63	3.8	10.0	1331	3.06	665	1.82	15.9	0.82	21.7	0.89	27.2	0.92	34.8	0.96	42.3	1.02	49.8	1.05
2.65	3.4	9.0	1321	2.55	660	1.52	17.0	0.85	22.8	0.89	28.4	0.92	35.9	0.99	43.4	1.02	50.9	1.05
2.67	3.0	8.0	1311	2.01	655	1.21	18.2	0.85	24.0	0.89	29.5	0.92	37.0	0.99	44.5	1.02	52.1	1.05
2.67	6.0	16.0	1311	5.49	655	3.39	—	—	14.6	0.80	20.4	0.89	28.0	0.93	35.6	0.99	43.2	1.02
2.67	9.0	24.0	—	—	655	5.30	—	—	—	—	—	—	18.3	0.86	26.3	0.92	34.0	0.98
							500L		615L		725L		840L		975L		1120L	
2.69	5.2	14.0	1301	4.70	651	2.84	—	—	15.0	0.82	20.7	0.88	26.6	0.94	33.4	0.97	40.7	1.00
2.70	7.4	20.0	—	—	648	4.32	—	—	—	—	—	—	19.5	0.88	26.5	0.94	33.9	0.96
2.73	4.4	12.0	1282	3.80	641	2.26	11.5	0.78	17.5	0.85	23.1	0.91	28.9	0.94	35.7	0.97	43.0	1.00
2.76	5.8	16.0	1268	5.30	634	3.26	—	—	12.6	0.78	18.4	0.85	24.4	0.91	31.2	0.97	38.5	1.00
2.78	3.6	10.0	1259	2.81	629	1.67	14.0	0.81	19.8	0.87	25.4	0.91	31.2	0.94	37.9	0.97	45.2	1.03
							500L		615L		725L		840L		975L		1120L	
2.80	5.0	14.0	1250	4.48	625	2.70	—	—	15.2	0.82	20.8	0.88	26.7	0.91	33.5	0.97	40.8	1.00
2.81	3.2	9.0	1246	2.28	623	1.36	15.1	0.81	21.0	0.87	26.5	0.91	32.3	0.94	39.1	1.00	46.3	1.03
2.81	6.4	18.0	1246	5.84	623	3.67	—	—	—	—	16.1	0.81	22.1	0.88	29.0	0.94	36.4	1.00
2.86	4.2	12.0	1224	3.56	612	2.12	11.6	0.75	17.6	0.85	23.2	0.88	29.0	0.94	35.8	0.97	43.1	1.00
2.86	5.6	16.0	1224	5.11	612	3.12	—	—	12.7	0.78	18.6	0.85	24.5	0.91	31.4	0.97	38.7	1.00
							500L		615L		725L		840L		975L		1120L	
2.86	7.0	20.0	1224	6.32	612	4.06	—	—	—	—	—	—	19.7	0.88	26.8	0.94	34.2	0.96
2.90	6.2	18.0	1207	5.67	603	3.53	—	—	—	—	16.2	0.81	22.2	0.88	29.2	0.94	36.5	1.00
2.92	4.8	14.0	1199	4.26	599	2.55	—	—	15.3	0.82	21.0	0.88	26.8	0.91	33.7	0.97	41.0	1.00
2.94	3.4	10.0	1190	2.55	595	1.52	14.1	0.81	20.0	0.87	25.5	0.91	31.3	0.94	38.1	0.97	45.4	1.03
2.96	5.4	16.0	1182	4.90	591	2.98	—	—	12.9	0.78	18.7	0.85	24.6	0.91	31.5	0.94	38.8	1.00
							655L		765L		865L		990L		1150L		1310L	
3.00	3.0	9.0	1167	2.01	583	1.21	23.1	0.89	28.7	0.92	33.7	0.95	40.0	1.01	48.0	1.04	56.0	1.07
3.00	4.0	12.0	1167	3.32	583	1.97	19.8	0.86	25.4	0.92	30.4	0.95	36.7	0.98	44.8	1.01	52.8	1.07
3.00	6.0	18.0	1167	5.49	583	3.39	—	—	18.4	0.86	23.6	0.89	30.1	0.95	38.2	1.01	46.3	1.03
3.00	8.0	24.0	—	—	583	4.70	—	—	—	—	—	—	23.0	0.87	31.4	0.94	39.6	1.00
3.00	10.0	30.0	—	—	583	5.86	—	—	—	—	—	—	—	—	24.0	0.90	32.6	0.97
							500L		615L		725L		840L		975L		1120L	
3.04	4.6	14.0	1151	4.03	576	2.41	—	—	15.4	0.82	21.1	0.88	27.0	0.91	33.8	0.97	41.1	1.00
3.08	5.2	16.0	1136	4.70	568	2.84	—	—	13.0	0.78	18.8	0.85	24.8	0.91	31.6	0.94	39.0	1.00
3.10	5.8	18.0	1129	5.30	565	3.26	—	—	—	—	16.4	0.81	22.5	0.88	29.4	0.94	36.8	1.00
3.13	3.2	10.0	1118	2.28	559	1.36	14.2	0.81	20.1	0.85	25.7	0.91	31.5	0.94	38.2	0.97	45.5	1.03
3.13	6.4	20.0	1118	5.84	559	3.67	—	—	—	—	13.9	0.78	20.1	0.84	27.2	0.91	34.6	0.96
							500L		615L		725L		840L		975L		1120L	
3.16	3.8	12.0	1108	3.06	554	1.82	11.9	0.75	17.9	0.85	23.5	0.88	29.3	0.94	36.1	0.97	43.4	1.00
3.18	4.4	14.0	1101	3.80	550	2.26	—	—	15.6	0.82	21.3	0.88	27.1	0.91	34.0	0.97	41.3	1.00
3.20	5.0	16.0	1094	4.48	547	2.70	—	—	13.1	0.74	19.0	0.85	24.9	0.91	31.8	0.94	39.1	1.00
3.21	5.6	18.0	1090	5.11	545	3.12	—	—	—	—	16.6	0.81	22.6	0.88	29.6	0.94	37.0	0.96
3.23	6.2	20.0	1084	5.67	542	3.53	—	—	—	—	14.0	0.78	20.3	0.84	27.3	0.91	34.7	0.96
							540L		655L		765L		915L		1065L		1215L	
3.24	7.4	24.0	—	—	540	4.32	—	—	—	—	—	—	19.3	0.82	27.3	0.92	35.1	0.98
3.33	3.0	10.0	1051	2.01	526	1.21	16.4	0.82	22.3	0.89	27.8	0.92	35.4	0.96	42.9	1.02	50.4	1.05
3.33	3.6	12.0	1051	2.81	526	1.67	14.1	0.79	20.1	0.86	25.7	0.92	33.2	0.96	40.8	0.99	48.3	1.02
3.33	4.2	14.0	1051	3.56	526	2.12	11.7	0.72	17.8	0.84	23.5	0.89	31.1	0.96	38.7	0.99	46.2	1.02
3.33	4.8	16.0	1051	4.26	526	2.55	—	—	15.4	0.80	21.2	0.86	28.9	0.93	36.5	0.99	44.1	1.02
							655L		765L		865L		990L		1150L		1310L	
3.33	5.4	18.0	1051	4.90	526	2.98	12.9	0.76	18.8	0.82	24.1	0.89	30.5	0.95	38.6	1.01	46.7	1.03
3.33	6.0	20.0	1051	5.49	526	3.39	—	—	16.4	0.78	21.7	0.89	28.2	0.95	36.4	0.97	44.5	1.03
3.33	9.0	30.0	—	—	526	5.30	—	—	—	—	—	—	—	—	24.7	0.86	33.2	0.97
3.43	7.0	24.0	1020	6.32	510	4.06	—	—	—	—	16.8	0.77	23.6	0.87	32.0	0.94	40.3	1.00
3.45	5.8	20.0	1014	5.30	507	3.26	—	—	16.5	0.78	21.8	0.89	28.4	0.92	36.6	0.97	44.7	1.03
							500L		615L		725L		840L		975L		1120L	
3.46	5.2	18.0	1012	4.70	506	2.84	—	—	—	—	16.8	0.81	22.9	0.88	29.9	0.94	37.2	0.96
3.48	4.6	16.0	1006	4.03	503	2.41	—	—	13.4	0.74	19.2	0.85	25.2	0.91	32.1	0.94	39.4	1.00
3.50	4.0	14.0	1000	3.32	500	1.97	—	—	15.8	0.82	21.5	0.88	27.4	0.91	34.3	0.97	41.6	1.00
3.53	3.4	12.0	992	2.55	496	1.52	12.2	0.75	18.2	0.85	23.8	0.88	29.6	0.94	36.4	0.97	43.7	1.00
3.57	5.6	20.0	980	5.11	490	3.12	—	—	—	—	14.4	0.74	20.7	0.84	27.7	0.91	35.2	0.96
							500L		615L		725L		840L		975L		1120L	
3.60	5.0	18.0	972	4.48	486	2.70	—	—	—	—	17.0	0.81	23.0	0.88	30.0	0.94	37.4	0.96
3.64	4.4	16.0	962	3.80	481	2.26	—	—	13.5	0.74	19.4	0.85	25.3	0.91	32.2	0.94	39.6	1.00
3.68	3.8	14.0	951	3.06	476	1.82	9.7	0.68	16.0	0.82	21.7	0.88	27.6	0.91	34.4	0.97	41.7	1.00
3.70	5.4	20.0	946	4.90	473	2.98	—	—	—	—	14.5	0.74	20.8	0.84	27.9	0.91	35.3	0.96
3.75	3.2	12.0	933	2.28	467	1.36	12.3	0.75	18.3	0.85	23.9	0.88	29.7	0.94	36.6	0.97	43.8	1.00

***Complete Belt Number by adding Number of Ribs; Example — 540L10.**

Table No. 6

SHEAVE COMBINATIONS			NOMINAL DRIVEN SPEEDS AND HORSEPOWER PER GROOVE				NOMINAL CENTER DISTANCE (C.D.) IN INCHES AND ARC-LENGTH FACTOR (F) USING BROWNING POLY-V BELTS*											
	PITCH DIAMETER		3500 R.P.M. MOTOR		1750 R.P.M. MOTOR		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.	
RATIO	Driver	Driven	Nom. Driven Speed	H.P. Per Groove	Nom. Driver Speed	H.P. Per Groove	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F
							655L		765L		865L		990L		1150L		1310L	
3.75	4.8	18.0	933	4.26	467	2.55	13.2	0.76	19.2	0.82	24.5	0.89	39.0	0.95	39.0	0.97	47.1	1.03
3.75	6.4	24.0	933	5.84	467	3.67	—	—	—	—	17.2	0.77	24.0	0.87	32.4	0.94	40.7	1.00
3.75	8.0	30.0	—	—	467	4.70	—	—	—	—	—	—	—	—	25.3	0.86	33.9	0.97
3.81	4.2	16.0	919	3.56	459	2.12	15.8	0.80	21.6	0.86	26.7	0.92	33.1	0.95	41.2	1.01	49.3	1.03
3.85	5.2	20.0	909	4.70	455	2.84	—	—	16.9	0.78	22.2	0.89	28.8	0.92	37.0	0.97	45.1	1.03
							500L		615L		725L		840L		975L		1120L	
3.87	6.2	24.0	904	5.67	452	3.53	—	—	—	—	—	—	15.8	0.76	23.4	0.87	31.0	0.93
3.89	3.6	14.0	900	2.81	450	1.67	9.8	0.68	16.1	0.82	21.8	0.88	27.7	0.91	34.5	0.97	41.9	1.00
3.91	4.6	18.0	895	4.03	448	2.41	—	—	—	—	17.2	0.81	23.3	0.88	30.3	0.94	37.7	0.96
4.00	3.0	12.0	875	2.01	438	1.21	12.4	0.75	18.4	0.85	24.1	0.88	29.9	0.94	36.7	0.97	44.0	1.00
4.00	4.0	16.0	875	3.32	438	1.97	—	—	13.8	0.74	19.6	0.85	25.6	0.91	32.5	0.94	39.8	1.00
							655L		765L		865L		990L		1150L		1310L	
4.00	5.0	20.0	875	4.48	438	2.70	—	—	17.0	0.78	22.4	0.85	28.9	0.92	37.1	0.97	45.3	1.03
4.00	6.0	24.0	875	5.49	438	3.39	—	—	—	—	17.4	0.77	24.3	0.87	32.7	0.94	41.0	1.00
4.05	7.4	30.0	—	—	432	4.32	—	—	—	—	—	—	—	—	25.7	0.86	34.3	0.97
4.09	4.4	18.0	856	3.80	428	2.26	13.5	0.72	19.5	0.82	24.7	0.89	31.2	0.95	39.3	0.97	47.4	1.03
4.12	3.4	14.0	850	2.55	425	1.52	18.3	0.84	24.0	0.89	29.1	0.92	35.4	0.98	43.5	1.01	51.6	1.03
							615L		725L		840L		975L		1120L		1310L	
4.14	5.8	24.0	845	5.30	423	3.26	—	—	—	—	16.1	0.76	23.6	0.87	31.3	0.93	40.3	1.00
4.17	4.8	20.0	839	4.26	420	2.55	—	—	14.9	0.74	21.2	0.84	28.3	0.91	35.7	0.96	44.6	1.00
4.21	3.8	16.0	831	3.06	416	1.82	13.9	0.74	19.8	0.85	25.7	0.91	32.6	0.94	40.0	1.00	48.8	1.03
4.29	4.2	18.0	816	3.56	408	2.12	—	—	17.5	0.81	23.6	0.88	30.5	0.94	37.9	0.96	46.8	1.03
4.29	5.6	24.0	816	5.11	408	3.12	—	—	—	—	16.2	0.76	23.7	0.87	31.4	0.93	40.5	1.00
							655L		765L		865L		990L		1150L		1310L	
4.29	7.0	30.0	816	6.32	408	4.06	—	—	—	—	—	—	—	—	25.9	0.86	34.5	0.97
4.35	4.6	20.0	805	4.03	402	2.41	—	—	17.2	0.78	22.6	0.85	29.2	0.92	37.4	0.97	45.5	1.00
4.38	3.2	14.0	799	2.28	400	1.36	18.5	0.84	24.1	0.89	29.2	0.92	35.6	0.98	43.7	1.01	51.7	1.03
4.44	3.6	16.0	788	2.81	394	1.67	16.2	0.80	22.0	0.86	27.2	0.92	33.5	0.95	41.7	1.01	49.7	1.03
4.44	5.4	24.0	788	4.90	394	2.98	—	—	—	—	17.8	0.77	24.7	0.87	33.1	0.94	41.4	1.00
							655L		765L		865L		990L		1150L		1310L	
4.50	4.0	18.0	778	3.32	389	1.97	13.7	0.72	19.7	0.82	25.0	0.89	31.5	0.95	39.6	0.97	47.7	1.03
4.55	4.4	20.0	769	3.80	385	2.26	—	—	17.4	0.78	22.8	0.85	29.3	0.92	37.5	0.97	45.7	1.00
4.62	5.2	24.0	758	4.70	379	2.84	—	—	—	—	17.9	0.77	24.8	0.87	33.3	0.94	41.5	1.00
4.67	3.0	14.0	749	2.01	375	1.21	18.6	0.84	24.3	0.89	29.4	0.92	35.7	0.98	43.8	1.01	51.9	1.03
4.69	6.4	30.0	746	5.84	373	3.67	—	—	—	—	—	—	—	—	26.3	0.86	34.9	0.92
							655L		765L		865L		990L		1150L		1310L	
4.71	3.4	16.0	743	2.55	372	1.52	16.3	0.80	22.1	0.86	27.3	0.92	33.7	0.95	41.8	1.01	49.9	1.03
4.74	3.8	18.0	738	3.06	369	1.82	13.8	0.72	19.9	0.82	25.1	0.89	31.6	0.95	39.8	0.97	47.9	1.03
4.76	4.2	20.0	735	3.56	368	2.12	—	—	17.5	0.78	22.9	0.85	29.4	0.92	37.7	0.97	45.8	1.00
4.80	5.0	24.0	729	4.48	365	2.70	—	—	—	—	18.0	0.77	24.9	0.87	33.4	0.94	41.7	1.00
4.84	6.2	30.0	723	5.67	362	3.53	—	—	—	—	—	—	—	—	26.4	0.86	35.1	0.92
							655L		765L		865L		990L		1150L		1310L	
5.00	3.2	16.0	700	2.28	350	1.36	16.4	0.80	22.3	0.86	27.4	0.92	33.8	0.95	41.9	1.01	50.0	1.03
5.00	3.6	18.0	700	2.81	350	1.67	14.0	0.72	20.0	0.82	25.3	0.89	31.7	0.95	39.9	0.97	48.0	1.03
5.00	4.0	20.0	700	3.32	350	1.97	—	—	17.6	0.78	23.0	0.85	29.6	0.92	37.8	0.97	46.0	1.00
5.00	4.8	24.0	700	4.26	350	2.55	—	—	—	—	18.1	0.77	25.1	0.87	33.5	0.94	41.8	1.00
5.00	6.0	30.0	700	5.49	350	3.39	—	—	—	—	—	—	—	—	26.6	0.86	35.2	0.92
							655L		765L		865L		990L		1150L		1310L	
5.17	5.8	30.0	677	5.30	338	3.26	—	—	—	—	—	—	—	—	26.7	0.86	35.3	0.92
5.22	4.6	24.0	670	4.03	335	2.41	—	—	—	—	18.3	0.77	25.2	0.87	33.7	0.94	41.9	1.00
5.26	3.8	20.0	665	3.06	333	1.82	—	—	17.7	0.78	23.2	0.85	29.7	0.92	38.0	0.97	46.1	1.00
5.29	3.4	18.0	662	2.55	331	1.52	14.1	0.72	20.1	0.82	25.4	0.89	31.9	0.95	40.0	0.97	48.1	1.03
5.33	3.0	16.0	657	2.01	328	1.21	16.6	0.80	22.4	0.86	27.6	0.92	34.0	0.95	42.1	1.01	50.2	1.03
							655L		765L		865L		990L		1150L		1310L	
5.36	5.6	30.0	653	5.11	326	3.12	—	—	—	—	—	—	—	—	26.8	0.86	35.5	0.92
5.45	4.4	24.0	642	3.80	321	2.26	—	—	—	—	18.4	0.77	25.3	0.87	33.8	0.94	42.1	1.00
5.56	3.6	20.0	629	2.81	315	1.67	—	—	17.9	0.78	23.3	0.85	29.8	0.92	38.1	0.97	46.2	1.00
5.56	5.4	30.0	629	4.90	315	2.98	—	—	—	—	—	—	—	—	26.9	0.86	35.6	0.92
5.63	3.2	18.0	622	2.28	311	1.36	14.2	0.72	20.3	0.82	25.5	0.89	32.0	0.95	40.2	0.97	48.3	1.03
							655L		765L		865L		990L		1150L		1310L	
5.71	4.2	24.0	613	3.56	306	2.12	—	—	—	—	18.5	0.77	25.4	0.87	33.9	0.94	42.2	1.00
5.77	5.2	30.0	607	4.70	303	2.84	—	—	—	—	—	—	—	—	27.1	0.86	35.7	0.92
5.88	3.4	20.0	595	2.55	298	1.52	—	—	18.0	0.78	23.4	0.85	30.0	0.92	38.2	0.97	46.4	1.00
6.00	3.0	18.0	583	2.01	292	1.21	14.3	0.72	20.4	0.82	25.7	0.89	32.1	0.95	40.3	0.97	48.4	1.03
6.00	4.0	24.0	583	3.32	292	1.97					18.6	0.77	25.6	0.87	34.1	0.94	42.3	1.00
							655L		765L		865L		990L		1150L		1310L	
6.00	5.0	30.0	583	4.48	292	2.70	—	—	—	—	—	—	—	—	27.2	0.86	35.9	0.92
6.25	3.2	20.0	560	2.28	280	1.36	—	—	18.1	0.78	23.5	0.85	30.1	0.92	38.4	0.97	46.5	1.00
6.25	4.8	30.0	560	4.26	280	2.55	—	—	—	—	—	—	—	—	27.3	0.86	36.0	0.92
6.32	3.8	24.0	554	3.06	277	1.82	—	—	—	—	18.7	0.77	25.7	0.87	34.2	0.94	42.5	1.00
6.52	4.6	30.0	537	4.03	268	2.41	—	—	—	—	—	—	—	—	27.4	0.86	36.1	0.92
							655L		765L		865L		990L		1150L		1310L	
6.67	3.0	20.0	525	2.01	262	1.21	—	—	18.2	0.78	23.7	0.85	30.3	0.92	38.5	0.97	46.7	1.00
6.67	3.6	24.0	525	2.81	262	1.67	—	—	—	—	18.9	0.77	25.8	0.87	34.3	0.94	42.6	1.00
6.82	4.4	30.0	513	3.80	257	2.26	—	—	—	—	—	—	18.2	0.75	27.6	0.86	36.2	0.92
7.06	3.4	24.0	496	2.55	248	1.52	—	—	—	—	19.0	0.77	26.0	0.87	34.5	0.94	42.8	1.00
7.14	4.2	30.0	490	3.56	245	2.12	—	—	—	—	—	—	18.3	0.75	27.7	0.86	36.4	0.92
							655L		765L		865L		990L		1150L		1310L	
7.50	3.2	24.0	467	2.28	233	1.36	—	—	—	—	19.1	0.77	26.1	0.87	34.6	0.94	42.9	1.00
7.50	4.0	30.0	467	3.32	233	1.97	—	—	—	—	—	—	18.4	0.75	27.8	0.86	36.5	0.92
7.89	3.8	30.0	444	3.06	222	1.82	—	—	—	—	—	—	18.5	0.75	27.9	0.86	36.6	0.92
8.00	3.0	24.0	438	2.01	219	1.21	—	—	—	—	19.2	0.77	26.2	0.87	34.7	0.94	43.0	1.00
8.33	3.6	30.0	420	2.81	210	1.67	—	—	—	—	—	—	18.6	0.75	28.0	0.86	36.8	0.92
							655L		765L		865L		990L		1150L		1310L	
8.82	3.4	30.0	397	2.55	198	1.52	—	—	—	—	—	—	18.7	0.75	28.2	0.86	36.9	0.92
9.38	3.2	30.0	373	2.28	187	1.36	—	—	—	—	—	—	18.9	0.75	28.3	0.86	37.0	0.92
10.00	3.0	30.0	350	2.01	175	1.21	—	—	—	—	—	—	19.0	0.75	28.4	0.86	37.2	0.92

***Complete Belt Number by adding Number of Ribs; Example — 655L16.**

Table No. 1

SHEAVE COMBINATIONS			NOMINAL DRIVEN SPEEDS AND HORSEPOWER PER GROOVE				NOMINAL CENTER DISTANCE (C.D.) IN INCHES AND ARC-LENGTH FACTOR (F) USING BROWNING POLY-V BELTS*											
	PITCH DIAMETER		1750 R.P.M. MOTOR		1160 R.P.M. MOTOR		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.	
RATIO	Driver	Driven	Nom. Driven Speed	H.P. Per Groove	Nom. Driver Speed	H.P. Per Groove	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F
							900M		990M		1150M		1230M		1390M		1610M	
1.00	7.0	7.0	1750	7.04	1160	5.42	34.0	0.88	38.5	0.90	46.5	0.93	50.5	0.94	58.5	0.97	69.5	1.00
1.00	7.4	7.4	1750	7.91	1160	6.07	33.4	0.88	37.9	0.90	45.9	0.93	49.9	0.94	57.9	0.97	68.9	1.00
1.00	7.6	7.6	1750	8.34	1160	6.39	33.1	0.88	37.6	0.90	45.6	0.93	49.6	0.94	57.6	0.97	68.6	1.00
1.00	8.0	8.0	1750	9.18	1160	7.03	32.4	0.88	36.9	0.90	44.9	0.93	48.9	0.94	56.9	0.97	67.9	1.00
1.00	8.4	8.4	1750	10.00	1160	7.66	31.8	0.88	36.3	0.90	44.3	0.93	48.3	0.94	56.3	0.97	67.3	1.00
							900M		990M		1150M		1230M		1390M		1610M	
1.00	8.6	8.6	1750	10.41	1160	7.98	31.5	0.88	36.0	0.90	44.0	0.93	48.0	0.94	56.0	0.97	67.0	1.00
1.00	9.0	9.0	1750	11.19	1160	8.60	30.9	0.88	35.4	0.90	43.4	0.93	47.4	0.94	55.4	0.97	66.4	1.00
1.00	9.2	9.2	1750	11.58	1160	8.90	30.6	0.88	35.1	0.90	43.1	0.93	47.1	0.94	55.1	0.97	66.1	1.00
1.00	9.6	9.6	1750	12.34	1160	9.51	29.9	0.88	34.4	0.90	42.4	0.93	46.4	0.94	54.4	0.97	65.4	1.00
1.00	10.0	10.0	1750	13.07	1160	10.11	29.3	0.88	33.8	0.90	41.8	0.93	45.8	0.94	53.8	0.97	64.8	1.00
							900M		990M		1150M		1230M		1390M		1610M	
1.00	10.6	10.6	1750	14.12	1160	10.99	28.4	0.88	32.9	0.90	40.9	0.93	44.9	0.94	52.9	0.97	63.9	1.00
1.00	11.0	11.0	1750	14.79	1160	11.57	27.7	0.88	32.2	0.90	40.2	0.93	44.2	0.94	52.2	0.97	63.2	1.00
1.00	12.0	12.0	1750	16.36	1160	12.98	26.2	0.88	30.7	0.90	38.7	0.93	42.7	0.94	50.7	0.97	61.7	1.00
1.00	13.0	13.0	1750	17.76	1160	14.33	24.6	0.88	29.1	0.90	37.1	0.93	41.1	0.94	49.1	0.97	60.1	1.00
1.00	14.0	14.0	1750	18.97	1160	15.63	23.0	0.88	27.5	0.90	35.5	0.93	39.5	0.94	47.5	0.97	58.5	1.00
							900M		990M		1150M		1230M		1390M		1610M	
1.00	15.0	15.0	—	—	1160	16.86	21.5	0.88	26.0	0.90	34.0	0.93	37.9	0.94	46.0	0.94	57.0	1.00
1.00	16.0	16.0	—	—	1160	18.02	19.9	0.88	24.4	0.90	32.4	0.93	36.4	0.94	44.4	0.94	55.4	1.00
1.00	18.0	18.0	—	—	1160	20.15	—	—	21.2	0.90	29.2	0.93	33.2	0.94	41.2	0.94	52.2	1.00
1.00	20.0	20.0	—	—	1160	21.98	—	—	—	—	26.1	0.93	30.1	0.94	38.1	0.94	49.1	1.00
1.02	8.4	8.6	1716	10.16	1137	7.77	31.7	0.85	36.2	0.87	44.2	0.90	48.2	0.91	56.2	0.94	67.2	0.97
							900M		990M		1150M		1230M		1390M		1610M	
1.02	9.0	9.2	1716	11.35	1137	8.70	30.7	0.85	35.2	0.87	43.2	0.90	47.2	0.91	55.2	0.94	66.2	0.97
1.03	7.4	7.6	1699	8.07	1126	6.17	33.2	0.85	37.7	0.87	45.7	0.90	49.7	0.91	57.7	0.94	68.7	0.97
1.04	9.2	9.6	1683	11.89	1115	9.11	30.2	0.85	34.7	0.87	42.7	0.90	46.7	0.91	54.7	0.94	65.7	0.97
1.04	9.6	10.0	1683	12.65	1115	9.72	29.6	0.85	34.1	0.87	42.1	0.90	46.1	0.91	54.1	0.94	65.1	0.97
1.04	10.6	11.0	1683	14.28	1115	11.10	28.0	0.85	32.5	0.87	40.5	0.90	44.5	0.91	52.5	0.94	63.5	0.97
							900M		990M		1150M		1230M		1390M		1610M	
1.05	7.6	8.0	1667	8.65	1105	6.60	32.8	0.85	37.3	0.87	45.3	0.90	49.3	0.91	57.3	0.94	68.3	0.97
1.05	8.0	8.4	1667	9.49	1105	7.24	32.1	0.85	36.6	0.87	44.6	0.90	48.6	0.91	56.6	0.94	67.6	0.97
1.05	8.6	9.0	1667	10.72	1105	8.18	31.2	0.85	35.7	0.87	43.7	0.90	47.7	0.91	55.7	0.94	66.7	0.97
1.06	7.0	7.4	1651	7.35	1094	5.63	33.7	0.85	38.2	0.87	46.2	0.90	50.2	0.91	58.2	0.94	69.2	0.97
1.06	10.0	10.6	1651	13.38	1094	10.32	28.8	0.85	33.3	0.87	41.3	0.90	45.3	0.91	53.3	0.94	64.3	0.97
							900M		990M		1150M		1230M		1390M		1610M	
1.07	8.0	8.6	1636	9.49	1084	7.24	32.0	0.85	36.5	0.87	44.5	0.90	48.5	0.91	56.5	0.94	67.5	0.97
1.07	8.4	9.0	1636	10.31	1084	7.87	31.3	0.85	35.8	0.87	43.8	0.90	47.8	0.91	55.8	0.94	66.8	0.97
1.07	8.6	9.2	1636	10.72	1084	8.18	31.0	0.85	35.5	0.87	43.5	0.90	47.5	0.91	55.5	0.94	66.5	0.97
1.07	9.0	9.6	1636	11.50	1084	8.80	30.4	0.85	34.9	0.87	42.9	0.90	46.9	0.91	54.9	0.94	65.9	0.97
1.07	14.0	15.0	1636	19.28	1084	15.83	22.2	0.85	26.7	0.87	34.7	0.90	38.7	0.91	46.7	0.94	57.7	0.97
							900M		990M		1150M		1230M		1390M		1610M	
1.07	15.0	16.0	—	—	1084	17.06	20.7	0.85	25.2	0.87	33.2	0.90	37.2	0.91	45.2	0.94	56.2	0.97
1.08	7.4	8.0	1620	8.38	1074	6.38	32.9	0.85	37.4	0.87	45.4	0.90	49.4	0.91	57.4	0.94	68.4	0.97
1.08	12.0	13.0	1620	16.82	1074	13.29	25.4	0.85	29.9	0.87	37.9	0.90	41.9	0.91	49.9	0.94	60.9	0.97
1.08	13.0	14.0	1620	18.07	1074	14.54	23.8	0.85	28.3	0.87	36.3	0.90	40.3	0.91	48.3	0.94	59.3	0.97
1.09	7.0	7.6	1606	7.51	1064	5.73	33.5	0.85	38.0	0.87	46.0	0.90	50.0	0.91	58.0	0.94	69.0	0.97
							900M		990M		1150M		1230M		1390M		1610M	
1.09	9.2	10.0	1606	12.04	1064	9.21	29.9	0.85	34.4	0.87	42.4	0.90	46.4	0.91	54.4	0.94	65.4	0.97
1.09	11.0	12.0	1606	15.26	1064	11.88	26.9	0.85	31.4	0.87	39.4	0.90	43.4	0.91	51.4	0.94	62.4	0.97
1.10	8.4	9.2	1591	10.47	1055	7.97	31.2	0.85	35.7	0.87	43.7	0.90	47.7	0.91	55.7	0.94	66.7	0.97
1.10	9.6	10.6	1591	12.80	1055	9.82	29.1	0.85	33.6	0.87	41.6	0.90	45.6	0.91	53.6	0.94	64.6	0.97
1.10	10.0	11.0	1591	13.53	1055	10.42	28.5	0.85	33.0	0.87	41.0	0.90	45.0	0.91	53.0	0.94	64.0	0.97
							900M		990M		1150M		1230M		1390M		1610M	
1.11	7.6	8.4	1577	8.81	1045	6.70	32.4	0.85	36.9	0.87	44.9	0.90	48.9	0.91	56.9	0.94	67.9	0.97
1.11	9.0	10.0	1577	11.66	1045	8.90	30.1	0.85	34.6	0.87	42.6	0.90	46.6	0.91	54.6	0.94	65.6	0.97
1.11	18.0	20.0	—	—	1045	20.46	—	—	—	—	27.7	0.90	31.7	0.91	39.7	0.94	50.7	0.97
1.12	8.6	9.6	1563	10.87	1036	8.28	30.7	0.85	35.2	0.87	43.2	0.90	47.2	0.91	55.2	0.94	66.2	0.97
1.13	7.6	8.6	1549	8.96	1027	6.80	32.3	0.85	36.8	0.87	44.8	0.90	48.8	0.91	56.8	0.94	67.8	0.97
							900M		990M		1150M		1230M		1390M		1610M	
1.13	8.0	9.0	1549	9.80	1027	7.44	31.7	0.85	36.2	0.87	44.2	0.90	48.2	0.91	56.2	0.94	67.2	0.97
1.13	10.6	12.0	1549	14.74	1027	11.40	27.3	0.85	31.8	0.87	39.8	0.90	43.8	0.91	51.8	0.94	62.8	0.97
1.14	7.0	8.0	1535	7.66	1018	5.83	33.2	0.85	37.7	0.87	45.7	0.90	49.7	0.91	57.7	0.94	68.7	0.97
1.14	7.4	8.4	1535	8.53	1018	6.48	32.6	0.85	37.1	0.87	45.1	0.90	49.1	0.91	57.1	0.94	68.1	0.97
1.14	8.4	9.6	1535	10.62	1018	8.07	30.9	0.85	35.4	0.87	43.4	0.90	47.4	0.91	55.4	0.94	66.4	0.97
							900M		990M		1150M		1230M		1390M		1610M	
1.14	14.0	16.0	1535	19.59	1018	16.04	21.4	0.85	25.9	0.87	33.9	0.90	37.9	0.91	45.9	0.94	56.9	0.97
1.15	8.0	9.2	1522	9.80	1009	7.44	31.5	0.85	36.0	0.87	44.0	0.90	48.0	0.91	56.0	0.94	67.0	0.97
1.15	9.2	10.6	1522	12.20	1009	9.31	29.4	0.85	33.9	0.87	42.0	0.90	46.0	0.91	54.0	0.94	65.0	0.97
1.15	9.6	11.0	1522	12.95	1009	9.92	28.8	0.85	33.3	0.87	41.3	0.90	45.3	0.91	53.3	0.94	64.3	0.97
1.16	7.4	8.6	1509	8.53	1000	6.48	32.4	0.85	36.9	0.87	44.9	0.90	48.9	0.91	56.9	0.94	67.9	0.97
							900M		990M		1150M		1230M		1390M		1610M	
1.16	8.6	10.0	1509	11.03	1000	8.39	30.4	0.85	34.9	0.87	42.9	0.90	46.9	0.91	54.9	0.94	65.9	0.97
1.17	12.0	14.0	1496	16.98	991	13.39	24.6	0.85	29.1	0.87	37.1	0.90	41.1	0.91	49.1	0.94	60.1	0.97
1.18	7.6	9.0	1483	9.12	983	6.91	32.0	0.85	36.5	0.87	44.5	0.90	48.5	0.91	56.5	0.94	67.5	0.97
1.18	9.0	10.6	1483	11.81	983	9.01	29.6	0.85	34.1	0.87	42.1	0.90	46.1	0.91	54.1	0.94	65.1	0.97
1.18	11.0	13.0	1483	15.57	983	12.09	26.1	0.85	30.6	0.87	38.6	0.90	42.6	0.91	50.7	0.94	61.7	0.97
							900M		990M		1150M		1230M		1390M		1610M	
1.19	8.4	10.0	1471	10.78	975	8.18	30.5	0.85	35.0	0.87	43.0	0.90	47.0	0.91	55.1	0.94	66.1	0.97
1.20	7.0	8.4	1458	7.82	967	5.93	32.9	0.85	37.4	0.87	45.4	0.90	49.4	0.91	57.4	0.94	68.4	0.97
1.20	8.0	9.6	1458	9.96	967	7.55	31.2	0.85	35.7	0.87	43.7	0.90	47.7	0.91	55.7	0.94	66.7	0.97
1.20	9.2	11.0	1458	12.35	967	9.42	29.1	0.85	33.6	0.87	41.6	0.90	45.6	0.91	53.6	0.94	64.6	0.97
1.20	10.0	12.0	1458	13.84	967	10.62	27.7	0.85	32.2	0.87	40.2	0.90	44.2	0.91	52.2	0.94	63.2	0.97
							900M		990M		1150M		1230M		1390M		1610M	
1.20	15.0	18.0	—	—	967	17.37	19.0	0.85	23.5	0.87	31.6	0.90	35.6	0.91	43.6	0.94	54.6	0.97
1.20	20.0	24.0	—	—	967	22.49	—	—	—	—	—	—	26.9	0.91	34.9	0.94	45.9	0.97
1.21	7.6	9.2	1446	9.12	959	6.91	31.8	0.85	36.3	0.87	44.3	0.90	48.3	0.91	56.3	0.94	67.3	0.97
1.22	7.4	9.0	1434	8.69	951	6.58	32.1	0.85	36.6	0.87	44.6	0.90	48.6	0.91	56.6	0.94	67.6	0.97
1.22	9.0	11.0	1434	11.97	951	9.11	29.3	0.85	33.8	0.87	41.8	0.90	45.8	0.91	53.8	0.94	64.8	0.97

***Complete Belt Number by adding Number of Ribs; Example — 900M10.**

Table No. 2

SHEAVE COMBINATIONS			NOMINAL DRIVEN SPEEDS AND HORSEPOWER PER GROOVE				NOMINAL CENTER DISTANCE (C.D.) IN INCHES AND ARC-LENGTH FACTOR (F) USING BROWNING POLY-V BELTS*											
RATIO	PITCH DIAMETER		1750 R.P.M. MOTOR		1160 R.P.M. MOTOR		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.	
	Driver	Driven	Nom. Driven Speed	H.P. Per Groove	Nom. Driver Speed	H.P. Per Groove	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F
							900M		990M		1150M		1230M		1390M		1610M	
1.23	7.0	8.6	1423	7.82	943	5.93	32.7	0.85	37.2	0.87	45.2	0.90	49.2	0.91	57.2	0.94	68.2	0.97
1.23	8.6	10.6	1423	11.18	943	8.49	29.9	0.85	34.4	0.87	42.4	0.90	46.4	0.91	54.4	0.94	65.4	0.97
1.23	10.6	13.0	1423	14.89	943	11.51	26.4	0.85	31.0	0.87	39.0	0.90	43.0	0.91	51.0	0.94	62.0	0.97
1.23	13.0	16.0	1423	18.53	943	14.85	22.2	0.85	26.7	0.87	34.7	0.90	38.7	0.91	46.7	0.94	57.7	0.97
1.24	7.4	9.2	1411	8.84	935	6.69	32.0	0.85	36.5	0.87	44.5	0.90	48.5	0.91	56.5	0.94	67.5	0.97
							900M		990M		1150M		1230M		1390M		1610M	
1.25	8.0	10.0	1400	10.11	928	7.65	30.9	0.85	35.4	0.87	43.4	0.90	47.4	0.91	54.6	0.94	66.4	0.97
1.25	9.6	12.0	1400	13.26	928	10.13	28.0	0.85	32.5	0.87	40.5	0.90	44.5	0.91	52.5	0.94	63.5	0.97
1.25	12.0	15.0	1400	17.29	928	13.60	23.8	0.85	28.3	0.87	36.3	0.90	40.3	0.91	48.3	0.94	59.3	0.97
1.25	16.0	20.0	—	—	928	18.64	—	—	21.1	0.85	29.2	0.90	33.2	0.91	41.2	0.94	52.2	0.97
1.26	7.6	9.6	1389	9.27	921	7.01	31.5	0.85	36.0	0.87	44.0	0.90	48.0	0.91	56.0	0.94	67.0	0.97
							900M		990M		1150M		1230M		1390M		1610M	
1.26	8.4	10.6	1389	10.93	921	8.28	30.1	0.85	34.6	0.87	42.6	0.90	46.6	0.91	54.6	0.94	65.6	0.97
1.27	11.0	14.0	1378	15.72	913	12.19	25.3	0.85	29.8	0.87	37.8	0.90	41.8	0.91	49.9	0.94	60.9	0.97
1.28	8.6	11.0	1367	11.34	906	8.59	29.6	0.85	34.1	0.87	42.1	0.90	46.1	0.91	54.1	0.94	65.1	0.97
1.29	7.0	9.0	1357	7.97	899	6.04	32.4	0.85	36.9	0.87	44.9	0.90	48.9	0.91	56.9	0.94	67.9	0.97
1.30	7.4	9.6	1346	8.84	892	6.69	31.6	0.85	36.1	0.87	44.1	0.90	48.1	0.91	56.1	0.94	67.1	0.97
							900M		990M		1150M		1230M		1390M		1610M	
1.30	9.2	12.0	1346	12.51	892	9.52	28.3	0.85	32.8	0.87	40.8	0.90	44.8	0.91	52.8	0.94	63.8	0.97
1.30	10.0	13.0	1346	14.00	892	10.73	26.9	0.85	31.4	0.87	39.4	0.90	43.4	0.91	51.4	0.94	62.4	0.97
1.31	7.0	9.2	1336	7.97	885	6.04	32.3	0.85	36.8	0.87	44.8	0.90	48.8	0.91	56.8	0.94	67.8	0.97
1.31	8.4	11.0	1336	10.93	885	8.28	29.7	0.85	34.2	0.87	42.3	0.90	46.3	0.91	54.3	0.94	65.3	0.97
1.32	7.6	10.0	1326	9.27	879	7.01	31.2	0.85	35.7	0.87	43.7	0.90	47.7	0.91	55.7	0.94	66.7	0.97
							900M		990M		1150M		1230M		1390M		1610M	
1.32	8.0	10.6	1326	10.11	879	7.65	30.4	0.85	34.9	0.87	42.9	0.90	46.9	0.91	54.9	0.94	65.9	0.97
1.32	10.6	14.0	1326	15.05	879	11.61	25.6	0.85	30.1	0.87	38.2	0.90	42.2	0.91	50.2	0.94	61.2	0.97
1.33	9.0	12.0	1316	12.12	872	9.21	28.5	0.85	33.0	0.87	41.0	0.90	45.0	0.91	53.0	0.94	64.0	0.97
1.33	12.0	16.0	1316	17.29	872	13.60	22.9	0.83	27.4	0.87	35.5	0.90	39.5	0.91	47.5	0.94	58.5	0.97
1.35	7.4	10.0	1296	9.00	859	6.79	31.3	0.85	35.8	0.87	43.8	0.90	47.8	0.91	55.8	0.94	66.8	0.97
							900M		990M		1150M		1230M		1390M		1610M	
1.35	9.6	13.0	1296	13.42	859	10.23	27.2	0.85	31.7	0.87	39.7	0.90	43.7	0.91	51.7	0.94	62.7	0.97
1.36	11.0	15.0	1287	15.88	853	12.29	24.5	0.85	29.0	0.87	37.0	0.90	41.0	0.91	49.0	0.94	60.1	0.97
1.37	7.0	9.6	1277	8.13	847	6.14	31.9	0.85	36.4	0.87	44.4	0.90	48.5	0.91	56.5	0.94	67.5	0.97
1.38	8.0	11.0	1268	10.27	841	7.75	30.0	0.85	34.6	0.87	42.6	0.90	46.6	0.91	54.6	0.94	65.6	0.97
1.39	7.6	10.6	1259	9.43	835	7.11	30.7	0.85	35.2	0.87	43.2	0.90	47.2	0.91	55.2	0.94	66.2	0.97
							900M		990M		1150M		1230M		1390M		1610M	
1.40	8.6	12.0	1250	11.49	829	8.70	28.8	0.85	33.3	0.87	41.3	0.90	45.3	0.91	53.3	0.94	64.3	0.97
1.40	10.0	14.0	1250	14.15	829	10.83	26.1	0.85	30.6	0.87	38.6	0.90	42.6	0.91	50.6	0.94	61.6	0.97
1.41	9.2	13.0	1241	12.66	823	9.62	27.5	0.85	32.0	0.87	40.0	0.90	44.0	0.91	52.0	0.94	63.0	0.97
1.43	7.0	10.0	1224	8.13	811	6.14	31.6	0.85	36.1	0.87	44.1	0.90	48.1	0.91	56.1	0.94	67.1	0.97
1.43	7.4	10.6	1224	9.00	811	6.79	30.8	0.85	35.3	0.87	43.3	0.90	47.3	0.91	55.3	0.94	66.4	0.97
							900M		990M		1150M		1230M		1390M		1610M	
1.43	8.4	12.0	1224	11.09	811	8.38	28.9	0.85	33.4	0.87	41.4	0.90	45.5	0.91	53.5	0.94	64.5	0.97
1.43	14.0	20.0	1224	20.06	811	16.34	—	—	22.6	0.87	30.7	0.87	34.7	0.88	42.7	0.94	53.7	0.97
1.44	9.0	13.0	1215	12.28	806	9.31	27.7	0.85	32.2	0.87	40.2	0.90	44.2	0.91	52.2	0.94	63.2	0.97
1.45	7.6	11.0	1207	9.43	800	7.11	30.4	0.85	34.9	0.87	42.9	0.90	46.9	0.91	54.9	0.94	65.9	0.97
1.46	9.6	14.0	1199	13.42	795	10.23	26.4	0.83	30.9	0.87	38.9	0.90	42.9	0.91	50.9	0.94	61.9	0.97
							900M		990M		1150M		1230M		1390M		1610M	
1.49	7.4	11.0	1174	9.00	779	6.79	30.5	0.85	35.0	0.87	43.0	0.90	47.0	0.91	55.0	0.94	66.0	0.97
1.50	8.0	12.0	1167	10.27	773	7.75	29.2	0.85	33.7	0.87	41.8	0.90	45.8	0.91	53.8	0.94	64.8	0.97
1.50	10.0	15.0	1167	14.15	773	10.83	25.3	0.83	29.8	0.85	37.8	0.90	41.8	0.91	49.8	0.94	60.8	0.97
1.50	12.0	18.0	1167	17.44	773	13.70	21.2	0.83	25.8	0.85	33.8	0.87	37.8	0.91	45.9	0.94	56.9	0.97
1.50	16.0	24.0	—	—	773	18.74	—	—	—	—	25.8	0.87	29.8	0.88	37.9	0.91	48.9	0.97
							990M		1150M		1230M		1390M		1610M		1830M	
1.50	20.0	30.0	—	—	773	22.70	—	—	—	—	—	—	29.8	0.88	40.9	0.94	52.0	0.97
1.51	7.0	10.6	1159	8.28	768	6.24	35.6	0.87	43.6	0.90	47.7	0.91	55.7	0.94	66.7	0.97	77.7	1.00
1.51	8.6	13.0	1159	11.65	768	8.80	32.5	0.87	40.5	0.90	44.5	0.91	52.5	0.94	63.5	0.97	74.5	1.00
1.51	10.6	16.0	1159	15.20	768	11.71	28.5	0.85	36.5	0.90	40.5	0.91	48.5	0.94	59.6	0.97	70.6	1.00
1.52	9.2	14.0	1151	12.82	763	9.72	31.2	0.87	39.2	0.90	43.2	0.91	51.2	0.94	62.2	0.97	73.2	1.00
							900M		990M		1150M		1230M		1390M		1610M	
1.54	13.0	20.0	1136	18.99	753	15.15	18.8	0.80	23.3	0.85	31.4	0.87	35.4	0.88	43.5	0.94	54.5	0.97
1.55	8.4	13.0	1129	11.24	748	8.49	28.1	0.85	32.6	0.87	40.6	0.90	44.6	0.91	52.7	0.94	63.7	0.97
1.56	9.0	14.0	1122	12.43	744	9.42	26.8	0.83	31.6	0.87	39.4	0.90	43.4	0.91	51.4	0.94	62.4	0.97
1.56	9.6	15.0	1122	13.57	744	10.33	25.5	0.83	30.1	0.85	38.1	0.90	42.1	0.91	50.1	0.94	61.1	0.97
1.57	7.0	11.0	1115	8.28	739	6.24	30.8	0.85	35.3	0.87	43.3	0.90	47.3	0.91	55.3	0.94	66.3	0.97
							900M		990M		1150M		1230M		1390M		1610M	
1.58	7.6	12.0	1108	9.58	734	7.21	29.5	0.85	34.0	0.87	42.1	0.90	46.1	0.91	54.1	0.94	65.1	0.97
1.60	10.0	16.0	1094	14.31	725	10.93	24.4	0.83	28.9	0.85	37.0	0.90	41.0	0.91	49.0	0.94	60.0	0.97
1.60	15.0	24.0	—	—	725	17.68	—	—	—	—	26.5	0.85	30.6	0.88	38.6	0.91	49.7	0.94
1.62	7.4	12.0	1080	9.15	716	6.89	29.7	0.85	34.2	0.87	42.2	0.90	46.2	0.91	54.2	0.94	65.2	0.97
1.63	8.0	13.0	1074	10.42	712	7.85	28.4	0.83	32.9	0.87	40.9	0.90	44.9	0.91	53.0	0.94	64.0	0.97
							900M		990M		1150M		1230M		1390M		1610M	
1.63	8.6	14.0	1074	11.65	712	8.80	27.1	0.83	31.6	0.85	39.7	0.90	43.7	0.91	51.7	0.94	62.7	0.97
1.63	9.2	15.0	1074	12.82	712	9.72	25.8	0.83	30.4	0.85	38.4	0.90	42.4	0.91	50.4	0.94	61.4	0.97
1.64	11.0	18.0	1067	16.03	707	12.39	22.0	0.83	26.5	0.85	34.6	0.87	38.6	0.88	46.6	0.94	57.6	0.97
1.67	8.4	14.0	1048	11.24	695	8.49	27.3	0.83	31.8	0.85	39.8	0.90	43.8	0.91	51.8	0.94	62.9	0.97
1.67	9.0	15.0	1048	12.43	695	9.42	26.0	0.83	30.5	0.85	38.5	0.90	42.6	0.91	50.6	0.94	61.6	0.97
							900M		990M		1150M		1230M		1390M		1610M	
1.67	9.6	16.0	1048	13.57	695	10.33	24.7	0.83	29.2	0.85	37.3	0.87	41.3	0.91	49.3	0.94	60.3	0.97
1.67	12.0	20.0	1048	17.60	695	13.80	19.5	0.80	24.0	0.85	32.1	0.87	36.2	0.88	44.2	0.91	55.2	0.97
1.70	10.6	18.0	1029	15.36	682	11.82	22.2	0.83	26.8	0.85	34.9	0.87	38.9	0.88	46.9	0.94	57.9	0.97
1.71	7.0	12.0	1023	8.28	678	6.24	30.0	0.83	34.5	0.87	42.5	0.90	46.5	0.91	54.5	0.94	65.5	0.97
1.71	7.6	13.0	1023	9.58	678	7.21	28.7	0.83	33.2	0.87	41.2	0.90	45.2	0.91	53.3	0.94	64.3	0.97
							900M		990M		1150M		1230M		1390M		1610M	
1.74	8.6	15.0	1006	11.65	667	8.80	26.3	0.83	30.8	0.85	38.8	0.90	42.9	0.91	50.9	0.94	61.9	0.97
1.74	9.2	16.0	1006	12.82	667	9.72	25.0	0.83	29.5	0.85	37.6	0.87	41.6	0.91	49.6	0.94	60.6	0.97
1.75	8.0	14.0	1000	10.42	663	7.85	27.6	0.83	32.1	0.85	40.1	0.90	44.1	0.91	52.1	0.94	63.2	0.97
1.76	7.4	13.0	994	9.15	659	6.89	28.9	0.83	33.4	0.85	41.4	0.90	45.4	0.91	53.4	0.94	64.4	0.97
1.78	9.0	16.0	983	12.43	652	9.42	25.1	0.83	29.7	0.85	37.7	0.87	41.7	0.88	49.8	0.94	60.8	0.97

***Complete Belt Number by adding Number of Ribs; Example — 900M12.**

Table No. 3

SHEAVE COMBINATIONS			NOMINAL DRIVEN SPEEDS AND HORSEPOWER PER GROOVE				NOMINAL CENTER DISTANCE (C.D.) IN INCHES AND ARC-LENGTH FACTOR (F) USING BROWNING POLY-V BELTS*											
	PITCH DIAMETER		1750 R.P.M. MOTOR		1160 R.P.M. MOTOR		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.	
RATIO	Driver	Driven	Nom. Driven Speed	H.P. Per Groove	Nom. Driver Speed	H.P. Per Groove	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F
							1060M		1185M		1310M		1470M		1760M		1980M	
1.79	8.4	15.0	978	11.24	648	8.49	34.5	0.86	40.7	0.90	47.0	0.93	55.0	0.95	69.6	0.99	80.6	1.02
1.80	10.0	18.0	972	14.31	644	10.93	30.8	0.86	37.1	0.87	43.3	0.90	51.4	0.95	65.9	0.99	76.9	1.02
1.80	20.0	36.0	—	—	644	22.80	—	—	—	—	—	—	—	—	43.3	0.93	54.5	0.99
1.82	11.0	20.0	962	16.03	637	12.39	28.3	0.86	34.6	0.87	40.9	0.90	49.0	0.92	63.5	0.99	74.5	1.02
1.84	7.6	14.0	951	9.58	630	7.21	35.9	0.86	42.2	0.90	48.4	0.93	56.5	0.95	71.0	0.99	82.0	1.02
							900M		990M		1150M		1230M		1390M		1610M	
1.85	13.0	24.0	946	18.99	627	15.15	—	—	—	—	27.9	0.85	32.0	0.86	40.1	0.91	51.2	0.94
1.86	7.0	13.0	941	8.28	624	6.24	29.1	0.83	33.7	0.85	41.7	0.90	45.7	0.91	53.7	0.94	64.7	0.97
1.86	8.6	16.0	941	11.65	624	8.80	25.4	0.83	30.0	0.85	38.0	0.87	42.0	0.88	50.1	0.94	61.1	0.97
1.88	8.0	15.0	931	10.42	617	7.85	26.7	0.83	31.2	0.85	39.3	0.87	43.3	0.91	51.3	0.94	62.3	0.97
1.88	9.6	18.0	931	13.57	617	10.33	22.9	0.80	27.5	0.85	35.6	0.87	39.6	0.88	47.6	0.91	58.7	0.97
							900M		990M		1150M		1230M		1390M		1610M	
1.89	7.4	14.0	926	9.15	614	6.89	28.0	0.83	32.5	0.85	40.6	0.90	44.6	0.91	52.6	0.94	63.6	0.97
1.89	10.6	20.0	926	15.36	614	11.82	20.4	0.80	25.0	0.82	33.1	0.87	37.2	0.88	45.2	0.91	56.3	0.94
1.90	8.4	16.0	921	11.24	611	8.49	25.6	0.83	30.1	0.85	38.2	0.87	42.2	0.88	50.2	0.94	61.2	0.97
1.96	9.2	18.0	893	12.82	592	9.72	23.2	0.80	27.8	0.85	35.9	0.87	39.9	0.88	47.9	0.91	59.0	0.97
1.97	7.6	15.0	888	9.58	589	7.21	27.0	0.83	31.5	0.85	39.6	0.87	43.6	0.88	51.6	0.94	62.6	0.97
							900M		990M		1150M		1230M		1390M		1610M	
2.00	7.0	14.0	875	8.44	580	6.34	28.3	0.83	32.8	0.85	40.9	0.87	44.9	0.91	52.9	0.94	63.9	0.97
2.00	8.0	16.0	875	10.58	580	7.96	25.9	0.83	30.4	0.85	38.5	0.87	42.5	0.88	50.5	0.94	61.5	0.97
2.00	9.0	18.0	875	12.59	580	9.52	23.4	0.80	27.9	0.85	36.0	0.87	40.1	0.88	48.1	0.91	59.1	0.97
2.00	10.0	20.0	875	14.46	580	11.03	20.9	0.80	25.5	0.82	33.6	0.87	37.6	0.88	45.7	0.91	56.7	0.94
2.00	12.0	24.0	875	17.75	580	13.90	—	—	20.4	0.79	28.6	0.85	32.7	0.86	40.8	0.91	51.9	0.94
							1060M		1185M		1310M		1470M		1760M		1980M	
2.00	15.0	30.0	—	—	580	17.78	—	—	—	—	29.2	0.84	37.4	0.89	52.1	0.96	63.2	0.99
2.00	18.0	36.0	—	—	580	21.07	—	—	—	—	—	—	29.8	0.86	44.7	0.93	55.9	0.99
2.03	7.4	15.0	862	9.31	571	6.99	35.2	0.86	41.5	0.87	47.8	0.93	55.8	0.95	70.3	0.99	81.3	1.02
2.08	9.6	20.0	841	13.73	558	10.43	29.3	0.83	35.6	0.87	41.9	0.90	50.0	0.92	64.6	0.99	75.6	1.02
2.09	8.6	18.0	837	11.80	555	8.90	31.8	0.86	38.1	0.87	44.4	0.90	52.4	0.92	67.0	0.99	78.0	1.02
							900M		990M		1150M		1230M		1390M		1610M	
2.11	7.6	16.0	829	9.74	550	7.32	26.1	0.83	30.7	0.85	38.7	0.87	42.8	0.88	50.8	0.94	61.8	0.97
2.14	7.0	15.0	818	8.44	542	6.34	27.4	0.83	32.0	0.85	40.0	0.87	44.0	0.88	52.1	0.94	63.1	0.97
2.14	8.4	18.0	818	11.40	542	8.59	23.8	0.80	28.4	0.82	36.5	0.87	40.5	0.88	48.5	0.91	59.6	0.97
2.14	14.0	30.0	818	20.37	542	16.55	—	—	—	—	—	—	25.7	0.83	34.0	0.88	45.3	0.91
2.16	7.4	16.0	810	9.31	537	6.99	26.3	0.83	30.8	0.85	38.9	0.87	42.9	0.88	50.9	0.91	62.0	0.97
							1060M		1185M		1310M		1470M		1760M		1980M	
2.17	9.2	20.0	806	12.97	535	9.83	29.6	0.83	35.9	0.87	42.2	0.90	50.3	0.92	64.9	0.99	75.9	1.02
2.18	11.0	24.0	803	16.19	532	12.50	24.7	0.80	31.1	0.85	37.5	0.87	45.6	0.92	60.2	0.96	71.2	0.99
2.20	20.0	44.0	—	—	527	22.90	—	—	—	—	—	—	—	—	35.8	0.86	47.2	0.92
2.22	9.0	20.0	788	12.59	523	9.52	29.7	0.83	36.1	0.87	42.4	0.90	50.4	0.92	65.0	0.96	76.0	1.02
2.25	8.0	18.0	778	10.58	516	7.96	32.2	0.86	38.5	0.87	44.8	0.90	52.9	0.92	67.4	0.99	78.4	1.02
							1060M		1185M		1310M		1470M		1760M		1980M	
2.25	16.0	36.0	—	—	516	18.95	—	—	—	—	—	—	31.1	0.86	46.1	0.93	57.3	0.96
2.26	10.6	24.0	774	15.51	513	11.92	24.9	0.80	31.4	0.85	37.7	0.87	45.8	0.92	60.5	0.96	71.5	0.99
2.29	7.0	16.0	764	8.44	507	6.34	34.7	0.86	40.9	0.87	47.2	0.90	55.3	0.95	69.8	0.99	80.8	1.02
2.31	13.0	30.0	758	19.15	502	15.26	—	—	24.0	0.78	30.6	0.84	38.8	0.89	53.6	0.96	64.7	0.99
2.33	8.6	20.0	751	11.80	498	8.90	30.0	0.83	36.4	0.87	42.7	0.90	50.7	0.92	65.3	0.96	76.3	1.02
							900M		1150M		1230M		1390M		1610M		1830M	
2.37	7.6	18.0	738	9.74	489	7.32	28.9	0.82	37.0	0.87	41.1	0.88	49.1	0.91	60.2	0.94	71.2	1.00
2.38	8.4	20.0	735	11.40	487	8.59	26.6	0.82	34.7	0.85	38.8	0.88	46.8	0.91	57.9	0.94	69.0	0.97
2.40	10.0	24.0	729	14.46	483	11.03	21.7	0.79	30.0	0.85	34.1	0.86	42.2	0.91	53.4	0.94	64.4	0.97
2.40	15.0	36.0	—	—	483	17.78	—	—	—	—	—	—	27.5	0.81	39.1	0.88	50.4	0.94
2.43	7.4	18.0	720	9.31	477	6.99	29.1	0.82	37.2	0.87	41.2	0.88	49.3	0.91	60.3	0.94	71.4	1.00
							990M		1150M		1230M		1390M		1610M		1830M	
2.50	8.0	20.0	700	10.58	464	7.96	26.9	0.82	35.0	0.85	39.1	0.88	47.1	0.91	58.2	0.94	69.3	0.97
2.50	9.6	24.0	700	13.73	464	10.43	21.9	0.79	30.3	0.85	34.4	0.86	42.5	0.88	53.6	0.94	64.7	0.97
2.50	12.0	30.0	700	17.75	464	13.90	—	—	22.8	0.78	27.0	0.83	35.4	0.85	46.7	0.91	57.8	0.97
2.57	7.0	18.0	681	8.44	451	6.34	29.4	0.82	37.5	0.87	41.5	0.88	49.6	0.91	60.6	0.94	71.7	1.00
2.57	14.0	36.0	681	20.37	451	16.55	—	—	—	—	—	—	28.1	0.81	39.7	0.88	51.1	0.94
							900M		990M		1150M		1230M		1390M		1610M	
2.61	9.2	24.0	670	12.97	444	9.83	—	—	22.2	0.79	30.5	0.85	34.6	0.86	42.8	0.88	53.9	0.94
2.63	7.6	20.0	665	9.74	441	7.32	22.5	0.77	27.1	0.82	35.3	0.85	39.3	0.88	47.4	0.91	58.5	0.94
2.67	9.0	24.0	655	12.59	434	9.52	—	—	22.3	0.76	30.7	0.85	34.8	0.86	42.9	0.88	54.1	0.94
2.70	7.4	20.0	648	9.31	430	6.99	22.6	0.77	27.3	0.82	35.4	0.85	39.5	0.88	47.6	0.91	58.7	0.94
2.73	11.0	30.0	641	16.19	425	12.50	—	—	—	—	23.4	0.78	27.7	0.79	36.1	0.85	47.4	0.91
							1060M		1185M		1130M		1470M		1760M		1980M	
2.75	16.0	44.0	—	—	422	18.95	—	—	—	—	—	—	—	—	38.4	0.86	49.9	0.92
2.77	13.0	36.0	632	19.15	419	15.26	—	—	—	—	—	—	33.0	0.82	48.2	0.93	59.4	0.96
2.79	8.6	24.0	627	11.80	416	8.90	26.3	0.80	32.8	0.85	39.2	0.87	47.3	0.92	61.9	0.96	73.0	0.99
2.83	10.6	30.0	618	15.51	410	11.92	—	—	25.5	0.78	32.2	0.84	40.5	0.89	55.3	0.93	66.4	0.99
2.86	7.0	20.0	612	8.44	406	6.34	31.1	0.83	37.5	0.85	43.8	0.90	51.9	0.92	66.5	0.96	77.5	0.99
							990M		1150M		1230M		1390M		1610M		1830M	
2.86	8.4	24.0	612	11.40	406	8.59	22.7	0.76	31.1	0.82	35.2	0.86	43.4	0.88	54.5	0.94	65.6	0.97
3.00	8.0	24.0	583	10.58	387	7.96	23.0	0.76	31.4	0.82	35.5	0.86	43.6	0.88	54.8	0.94	65.9	0.97
3.00	10.0	30.0	583	14.46	387	11.03	—	—	24.0	0.78	28.3	0.79	36.7	0.85	48.1	0.91	59.3	0.94
3.00	12.0	36.0	583	17.75	387	13.90	—	—	—	—	—	—	29.4	0.81	41.1	0.88	52.4	0.94
3.13	9.6	30.0	559	13.73	371	10.43	—	—	24.3	0.74	28.6	0.79	37.0	0.85	48.3	0.91	59.5	0.94
							1060M		1185M		1310M		1470M		1760M		1980M	
3.14	14.0	44.0	557	20.37	369	16.55	—	—	—	—	—	—	—	—	39.6	0.86	51.3	0.92
3.16	7.6	24.0	554	9.74	367	7.32	26.9	0.80	33.4	0.85	39.9	0.87	48.0	0.89	62.7	0.96	73.7	0.99
3.24	7.4	24.0	540	9.31	358	6.99	27.1	0.80	33.6	0.85	40.0	0.87	48.1	0.89	62.8	0.96	73.9	0.99
3.26	9.2	30.0	537	12.97	356	9.83	—	—	26.4	0.78	33.1	0.84	41.4	0.86	56.3	0.93	67.4	0.99
3.27	11.0	36.0	535	16.19	355	12.50	—	—	—	—	25.6	0.77	34.3	0.82	49.5	0.90	60.8	0.96
							940M		1060M		1185M		1310M		1470M		1760M	
3.33	9.0	30.0	526	12.59	348	9.52	—	—	—	—	26.6	0.78	33.2	0.84	41.6	0.86	56.4	0.93
3.40	10.6	36.0	515	15.51	341	11.92	—	—	—	—	—	—	25.8	0.77	34.6	0.82	49.8	0.90
3.43	7.0	24.0	510	8.44	338	6.34	21.0	0.75	27.3	0.80	33.8	0.82	40.3	0.87	48.4	0.89	63.1	0.96
3.49	8.6	30.0	501	11.80	332	8.90	—	—	—	—	26.8	0.78	33.5	0.84	41.8	0.86	56.7	0.93
3.57	8.4	30.0	490	11.40	325	8.59	—	—	—	—	27.0	0.78	33.6	0.84	42.0	0.86	56.8	0.93

*Complete Belt Number by adding Number of Ribs; Example — 1060M20.

Table No. 4

SHEAVE COMBINATIONS			NOMINAL DRIVEN SPEEDS AND HORSEPOWER PER GROOVE				NOMINAL CENTER DISTANCE (C.D.) IN INCHES AND ARC-LENGTH FACTOR (F) USING BROWNING POLY-V BELTS*											
RATIO	PITCH DIAMETER		1750 R.P.M. MOTOR		1160 R.P.M. MOTOR		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.		Belt No.	
	Driver	Driven	Nom. Driven Speed	H.P. Per Groove	Nom. Driver Speed	H.P. Per Groove	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F	C.D.	F
							1060M		**1185M**		**1310M**		**1470M**		**1760M**		**1980M**	
3.60	10.0	36.0	486	14.46	322	11.03	—	—	—	—	26.2	0.77	35.0	0.82	50.2	0.90	61.5	0.96
3.67	12.0	44.0	477	17.75	316	13.90	—	—	—	—	—	—	—	—	40.9	0.86	52.6	0.92
3.75	8.0	30.0	467	10.58	309	7.96	—	—	27.2	0.78	33.9	0.84	42.2	0.86	57.1	0.93	68.3	0.99
3.75	9.6	36.0	467	13.73	309	10.43	—	—	—	—	26.4	0.77	35.2	0.82	50.5	0.90	61.8	0.96
3.91	9.2	36.0	448	12.97	297	9.83	—	—	—	—	26.7	0.73	35.5	0.82	50.8	0.90	62.1	0.96
							1060M		**1185M**		**1310M**		**1470M**		**1760M**		**1980M**	
3.95	7.6	30.0	443	9.74	294	7.32	20.5	0.69	27.5	0.78	34.2	0.84	42.5	0.86	57.4	0.93	68.6	0.99
4.00	9.0	36.0	438	12.59	290	9.52	—	—	—	—	26.8	0.73	35.6	0.82	50.9	0.90	62.2	0.96
4.00	11.0	44.0	438	16.19	290	12.50	—	—	—	—	—	—	—	—	41.6	0.86	53.3	0.92
4.05	7.4	30.0	432	9.31	286	6.99	20.6	0.69	27.6	0.78	34.3	0.84	42.6	0.86	57.5	0.93	68.7	0.99
4.15	10.6	44.0	422	15.51	280	11.92	—	—	—	—	—	—	—	—	41.8	0.86	53.5	0.92
							1060M		**1185M**		**1310M**		**1470M**		**1760M**		**1980M**	
4.19	8.6	36.0	418	11.80	277	8.90	—	—	—	—	27.1	0.73	35.9	0.82	51.2	0.90	62.5	0.96
4.29	7.0	30.0	408	8.44	270	6.34	20.8	0.69	27.8	0.78	34.5	0.84	42.9	0.86	57.8	0.93	69.0	0.96
4.29	8.4	36.0	408	11.40	270	8.59	—	—	—	—	27.2	0.73	36.0	0.82	51.3	0.90	62.6	0.96
4.40	10.0	44.0	398	14.46	264	11.03	—	—	—	—	—	—	—	—	42.2	0.86	53.9	0.92
4.50	8.0	36.0	389	10.58	258	7.96	—	—	—	—	27.4	0.73	36.3	0.82	51.6	0.90	62.9	0.96
							1060M		**1185M**		**1310M**		**1470M**		**1760M**		**1980M**	
4.58	9.6	44.0	382	13.73	253	10.43	—	—	—	—	—	—	—	—	42.5	0.86	54.2	0.92
4.74	7.6	36.0	369	9.74	245	7.32	—	—	—	—	27.7	0.73	36.5	0.82	51.8	0.90	63.2	0.96
4.78	9.2	44.0	366	12.97	243	9.83	—	—	—	—	—	—	—	—	42.7	0.86	54.5	0.92
4.86	7.4	36.0	360	9.31	239	6.99	—	—	—	—	27.8	0.73	36.7	0.82	52.0	0.90	63.3	0.96
4.89	9.0	44.0	358	12.59	237	9.52	—	—	—	—	—	—	—	—	42.8	0.86	54.6	0.92
							1060M		**1185M**		**1310M**		**1470M**		**1760M**		**1980M**	
5.12	8.6	44.0	342	11.80	227	8.90	—	—	—	—	—	—	—	—	43.1	0.86	54.9	0.92
5.14	7.0	36.0	340	8.44	226	6.34	—	—	—	—	28.0	0.73	36.9	0.82	52.2	0.90	63.6	0.96
5.24	8.4	44.0	334	11.40	221	8.59	—	—	—	—	—	—	—	—	43.2	0.86	55.0	0.92
5.50	8.0	44.0	318	10.58	211	7.96	—	—	—	—	—	—	—	—	43.5	0.86	55.3	0.92
5.79	7.6	44.0	302	9.74	200	7.32	—	—	—	—	—	—	—	—	43.7	0.86	55.5	0.92
							1060M		**1185M**		**1310M**		**1470M**		**1760M**		**1980M**	
5.95	7.4	44.0	294	9.31	195	6.99	—	—	—	—	—	—	27.2	0.71	43.9	0.82	55.6	0.92
6.29	7.0	44.0	278	8.44	184	6.34	—	—	—	—	—	—	27.4	0.71	44.1	0.82	55.9	0.92

***Complete Belt Number by adding Number of Ribs; Example — 1060M20.**

SYNCHRONOUS BELT DRIVES

COMBINING THE POSITIVE TIMING ACTION OF GEARS WITH THE FLEXIBILITY, SPEED AND LOW NOISE LEVEL OF BELTS

BROWNING now offers two expanded and enhanced synchronous belt drive lines to add to the most extensive belt drive line available anywhere. These lines which serve applications up to 600 HP include the HPT® High Performance Timing drive line and many additional sizes of the proven BROWNING® Gearbelt® Drive line. Added selections include *double* Gearbelt® belts which furnish a variety of design solutions for changing shaft rotations.

Synchronous Belt Drives help reduce the problems of slippage, belt stretch, lubrication and metal-to-metal contact; they provide superior performance because power is transmitted by positive engagement of belt teeth rather than by friction as in conventional belt drives.

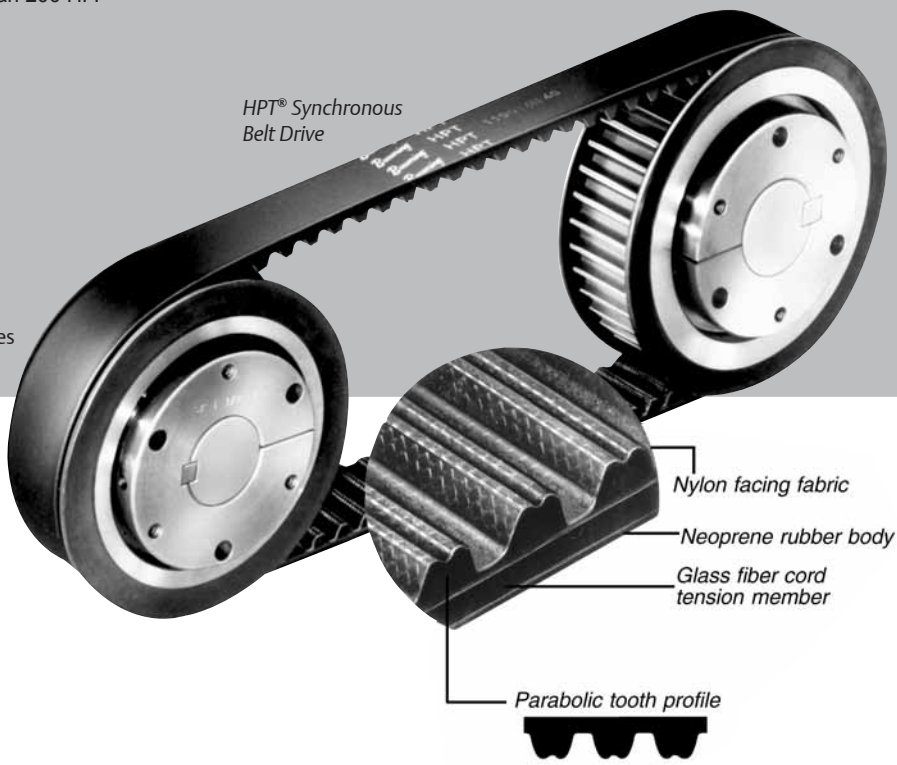
HPT Drives offer a wide range of HP and speeds, from very low speeds 10 RPM or less to high speeds well over 5,000 RPM and horsepower ratings from fractional to more than 200 HP. Features and benefits include:

- Significantly quieter operation
- New parabolic tooth profile
- Glass fiber cord tension member
- Neoprene rubber body
- Nylon facing fabric
- Positive drive, no slip
- Lower belt tension
- No lubrication required
- Fully interchangeable with competitive types

HPT® SYNCHRONOUS BELT DRIVES

Pitch	Sprockets		Belts	
	Grooves	Bore Range	Width	Length
8 mm	20 - 192	1/2 - 3 1/2	20, 30, 50, 85 mm	480 - 4400 mm
14 mm	28 - 216	1/2 - 5 1/2	40, 55, 85, 115, 170 mm	966 - 6860 mm

HPT® Synchronous Belt Drive



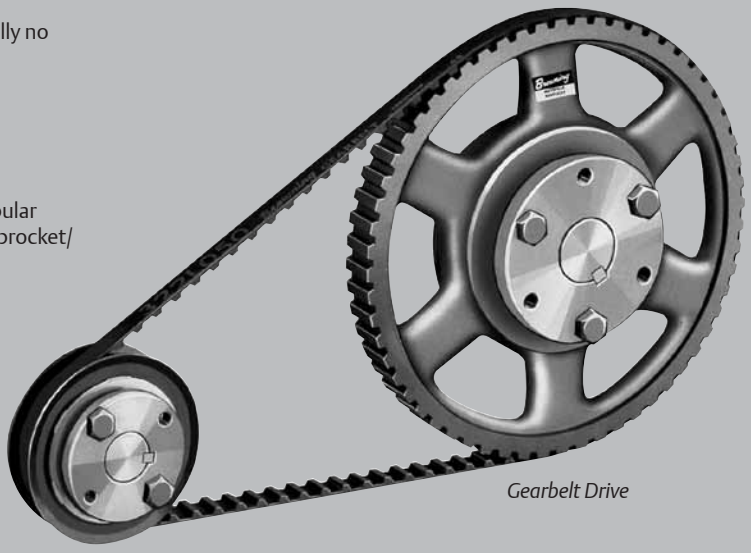
HPT® Sprocket

HPT® Belt

Gearbelt® Drives are offered in five stock pitches to handle a wide range of loads, speeds and applications. Advantages include:

- Constant Speed — No slip, no creep, minimum backlash, because of the positive grip of the belt teeth with pulley grooves
- High modulus strength member — Needs minimum take-up
- Freedom from initial belt tension — Reduces bearing loads, increases life
- Compact design — Gearbelt® belts permit smaller pulleys, shorter centers, narrow belts
- Lightweight — high horsepower-to-weight ratio makes Gearbelt drives ideal for any application where weight is an important factor
- Less heat — because Gearbelt drives generate virtually no friction!
- No lubrication required
- Wide load capacity range
- Wide belt speed range

Both HPT® and Gearbelt® Drives offer a choice of the popular BROWNING SPLIT TAPER® bushing or Q-D® bushing for sprocket/ pulleys.



Gearbelt Drive

Gearbelt® Pulleys

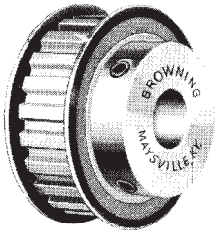
BROWNING SPLIT TAPER® and Q-D® bushings

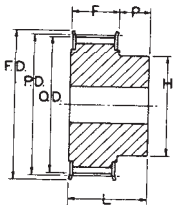
Gearbelt®

GEARBELT® DRIVES

Pitch		Gearbelt Pulleys		Gearbelts		
		Grooves	Bore Range*	Belt Width	Pitch Length	No. Teeth
XL	1/5"	10 - 72	MB 3/16 - 1"	1/4 - 5/16 - 3/8" **	6.0" - 26.0"	30 - 130
L	3/8"	10 - 17	FB 3/8 - 1	1/2 - 3/4" - 1" **	12.375 -60.0	33 - 160
		18 - 40	MB 1/2 - 2 3/8			
		18 - 120	3/8 - 1 3/4			
H	1/2"	14 - 30	MB 5/8 - 2 3/8	3/4 -1 - 1 1/2 -2 - 3" **	24.0 - 170.00	48 - 340
		14 - 156	3/8 - 3 3/4			
XH	7/8"	18 - 26	MB 1-3 3/4	2 - 3 - 4 - 5 - 6 - 8	50.75 - 175.0	58 - 200
		18 - 120	3/4 - 4 1/4			
XXH	1 1/4"	18 - 90	1 1/8 - 5	2 - 3 - 4 - 5 - 6 - 8	70.0 - 180.0	56 - 144

*MB = Minimum Bore. FB = Finished Bore. Others are bushing type.
**Double Gearbelt available in XL, L & H sizes.





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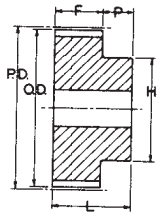


TYPE 2A

Specifications — Stock Minimum Bore Gearbelt® Pulleys For "XL", 1/5" Pitch Belts 1/4" and 3/8" Wide

Table No. 1.

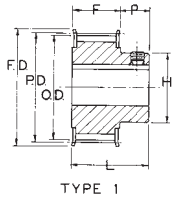
Part Number	Diameters				Number of Grooves	Type	Bore		Dimensions				Wt. LBS.
	Steel	Pitch	Outside	Flange			Stock	Max.	F	L	P	H	
10XLB037	10XLB037S	.637"	.617"	15/16"	10	2	3/16"	3/16"	9/16"	13/16"	1/4"	7/16"	.04
11XLB037	—	.700	.680	15/16"	11	2	3/16	3/16	9/16	13/16	1/4	716	.04
12XLB037	12XLB037S	.764	.744	1	12	2	3/16	1/4	9/16	13/16	1/4	1/2	.04
14XLB037	14XLB037S	.891	.871	1 1/8	14	2	1/4	1/4	9/16	13/16	1/4	9/16	.05
15XLB037	15XLB037S	.955	.935	1 3/16	15	2	1/4	5/16	9/16	13/16	1/4	5/8	.06
16XLB037	16XLB037S	1.019	.999	1 1/4	16	2	1/4	3/8	9/16	13/16	1/4	11/16	.06
18XLB037	18XLB037S	1.146	1.126	1 3/8	18	2	1/4	1/2	9/16	13/16	1/4	13/16	.08
20XLB037	20XLB037S	1.273	1.253	1 1/2	20	2	1/4	9/16	9/16	29/32	11/32	15/16	.10
21XLB037	21XLB037S	1.337	1.317	1 9/16	21	2	1/4	9/16	9/16	29/32	11/32	15/16	.11
22XLB037	22XLB037S	1.401	1.381	1 5/8	22	2	1/4	5/8	9/16	29/32	11/32	1	.12
24XLB037	24XLB037S	1.528	1.508	1 3/4	24	2	1/4	11/16	9/16	29/32	11/32	1 1/16	.13
28XLB037	28XLB037S	1.783	1.763	2	28	2	1/4	13/16	9/16	29/32	11/32	1 3/16	.13
30XLB037	30XLB037S	1.910	1.890	2 1/8	30	2	5/16	15/16	9/16	29/32	11/32	1 3/8	.13
32XLB037	32XLB037S	2.037	2.017	—	32	2A	5/16	1	9/16	1	7/16	1 1/2	.13
36XLB037	36XLB037S	2.292	2.272	—	36	2A	5/16	1	9/16	1	7/16	1 1/2	.19
40XLB037	40XLB037S	2.546	2.526	—	40	2A	5/16	1	9/16	1	7/16	1 1/2	.25
42XLB037	42XLB037S	2.674	2.654	—	42	2A	5/16	1	9/16	1	7/16	1 1/2	.31
44XLB037	44XLB037S	2.801	2.781	—	44	2A	5/16	1	9/16	1	7/16	1 1/2	.38
48XLB037	48XLB037S	3.056	3.036	—	48	2A	5/16	1	9/16	1	7/16	1 1/2	.38
60XLB037	60XLB037S	3.820	3.800	—	60	2A	3/8	1	9/16	1	7/16	1 1/2	.38
72XLB037	72XLB037S	4.584	4.564	—	72	2A	3/8	1	9/16	1	7/16	1 1/2	.44

Browning Stock Minimum Bore Pulleys (shown above) for "XL" Gearbelts are made of aluminum. They are furnished without keyseats but with two Hollow Head Setscrews at 90 degrees, since most of these pulleys are used on applications which normally do not require a key. They can be bored to size and furnished with keyseat at a reasonable extra price. These pulleys are also stocked in steel or sintered steel material, available by adding 'S' to the end of the part number— i.e., 16XLB037S.

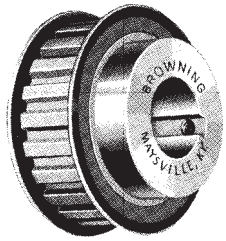
Stock "XL", 1/5" Pitch Gearbelt® Belts

Table No. 2

Pitch Length	No. Teeth	1/4" Wide		3/8" Wide	
		Part No.	Wt. Lbs.	Part No.	Wt. Lbs.
6.0"	30	60XL025	.006	60XL037	.009
7.0	35	70XL025	.007	70XL037	.011
8.0	40	80XL025	.008	80XL037	.012
9.0	45	90XL025	.009	90XL037	.014
10.0	50	100XL025	.011	100XL037	.015
11.0	55	110XL025	.012	110XL037	.017
12.0	60	120XL025	.013	120XL037	.018
13.0	65	130XL025	.014	130XL037	.020
14.0	70	140XL025	.015	140XL037	.021
15.0	75	150XL025	.016	150XL037	.023
16.0	80	160XL025	.017	160XL037	.024
17.0	85	170XL025	.018	170XL037	.026
18.0	90	180XL025	.019	180XL037	.027
19.0	95	190XL025	.020	190XL037	.029
20.0	100	200XL025	.021	200XL037	.030
21.0	105	210XL025	.022	210XL037	.032
22.0	110	220XL025	.023	220XL037	.033
23.0	115	230XL025	.024	230XL037	.035
24.0	120	240XL025	.025	240XL037	.036
25.0	125	250XL025	.026	250XL037	.038
26.0	130	260XL025	.027	260XL037	.039



TYPE 1



Specifications — Stock Finished Bore Gearbelt® Pulleys

Table No. 1

Part Number	Diameters			Number of Grooves	Type	Stock Bores Marked "X"				Max.* Bore	Dimensions				Wt. Lbs.
	Pitch	Outside	Flange			3/8"	1/2"	5/8"	3/4"		F	L	P	H	
For L050 Belts, 3/8" Pitch, 1/2" Wide															
10LF050	1.194"	1.164"	1 7/16"	10	1	x	. .	. .	. .	1/2"	3/4"	1 1/4"	1/2"	13/16"	.3
12LF050	1.432	1.402	1 11/16	12	1	x	x	. .	. .	5/8	3/4	1 1/4	1/2	1	.3
13LF050	1.552	1.522	1 13/16	13	1	x	x	. .	. .	3/4	3/4	1 1/4	1/2	1 1/8	.4
14LF050	1.671	1.641	1 15/16	14	1	x	x	. .	. .	3/4	3/4	1 1/4	1/2	1 1/8	.5
15LF050	1.790	1.760	2 1/16	15	1	. .	x	x	x	7/8	3/4	1 1/4	1/2	1 11/32	.6
16LF050	1.910	1.880	2 3/16	16	1	. .	x	x	x	1	3/4	1 1/4	1/2	1 7/16	.8
17LF050	2.029	1.999	2 5/16	17	1	. .	x	x	x	1	3/4	1 1/4	1/2	1 7/16	.8
For L075 Belts, 3/8" Pitch, 3/4" Wide															
12LF075	1.432"	1.402"	1 11/16"	12	1	x	x	. .	. .	3/4"	1"	1 1/2"	1/2"	1"	.5
13LF075	1.552	1.522	1 13/16	13	1	x	x	. .	. .	3/4	1	1 1/2	1/2	1 1/8	.6
14LF075	1.671	1.641	1 15/16	14	1	x	x	. .	. .	3/4	1	1 1/2	1/2	1 1/8	.6
15LF075	1.790	1.760	2 1/16	15	1	. .	x	x	x	7/8	1	1 1/2	1/2	1 11/32	.8
16LF075	1.910	1.880	2 3/16	16	1	. .	x	x	x	1	1	1 1/2	1/2	1 7/16	.8
17LF075	2.029	1.999	2 5/16	17	1	. .	x	x	x	1	1	1 1/2	1/2	1 7/16	1.0
For L100 Belts, 3/8" Pitch, 1" Wide															
13LF100	1.552"	1.522"	1 13/16"	13	1	x	x	. .	. .	3/4"	1 1/4"	1 3/4"	1/2"	1 1/8"	.7
14LF100	1.671	1.641	1 15/16	14	1	x	x	. .	. .	3/4	1 1/4	1 3/4	1/2	1 1/8	.8
15LF100	1.790	1.760	2 1/16	15	1	. .	x	x	x	7/8	1 1/4	1 3/4	1/2	1 11/32	1.0
16LF100	1.910	1.880	2 3/16	16	1	. .	x	x	x	1	1 1/4	1 3/4	1/2	1 7/16	1.0
17LF100	2.029	1.999	2 5/16	17	1	. .	x	x	x	1	1 1/4	1 3/4	1/2	1 7/16	1.2

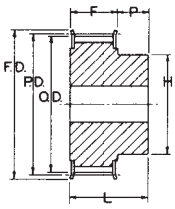
Browning Stock "L" Finished Bore Pulleys with 3/8" and 1/2" Bore are furnished with a Hollow Head Setscrew and No Keyway. Stock Pulleys with 5/8" and 3/4" Bore are furnished with 3/16" x 3/32" Keyseat and Hollow Head Setscrew over Keyseat.

***Pulleys with larger bores up to Maximum shown can be furnished at a reasonable extra price with Standard or Shallow Keyseat, depending on design, and with Hollow Head Setscrew.**

Stock "L", 3/8" Pitch Gearbelt® Belts

Table No. 2

Pitch Length	No. Teeth	1/2" Wide		3/4" Wide		1" Wide	
		Part No.	Wt. Lbs.	Part No.	Wt. Lbs.	Part No.	Wt. Lbs.
12.375"	33	124L050	.04	124L075	.13	124L100	.13
15.000	40	150L050	.04	150L075	.13	150L100	.13
18.750	50	187L050	.05	187L075	.19	187L100	.19
21.000	56	210L050	.06	210L075	.13	210L100	.19
22.500	60	225L050	.06	225L075	.13	225L100	.19
24.000	64	240L050	.07	240L075	.13	240L100	.19
25.500	68	255L050	.07	255L075	.13	255L100	.19
27.000	72	270L050	.08	270L075	.13	270L100	.19
28.500	76	285L050	.08	285L075	.13	285L100	.19
30.000	80	300L050	.08	300L075	.13	300L100	.19
32.250	86	322L050	.09	322L075	.19	322L100	.19
34.500	92	345L050	.10	345L075	.19	345L100	.25
36.750	98	367L050	.10	367L075	.19	367L100	.25
39.000	104	390L050	.11	390L075	.25	390L100	.25
42.000	112	420L050	.12	420L075	.19	420L100	.25
45.000	120	450L050	.13	450L075	.25	450L100	.25
48.000	128	480L050	.19	480L075	.25	480L100	.25
51.000	136	510L050	.19	510L075	.25	510L100	.31
54.000	144	540L050	.19	540L075	.25	540L100	.38
60.000	160	600L050	.25	600L075	.31	600L100	.38



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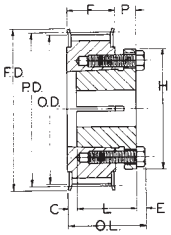

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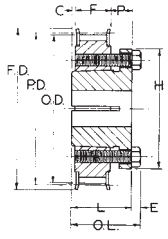

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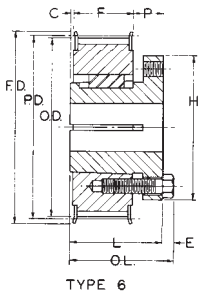

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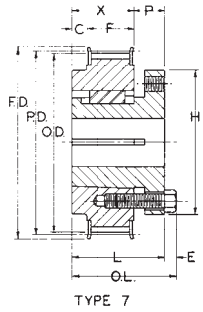

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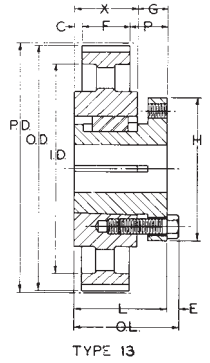

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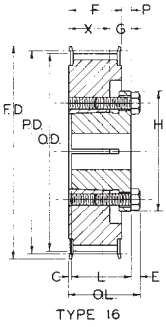

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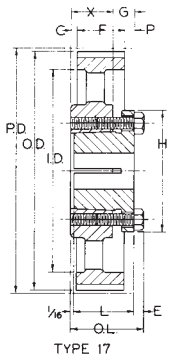

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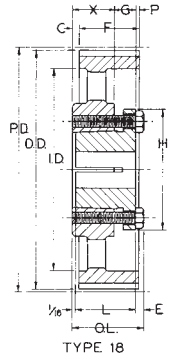


TYPE 18

Bore Range

Table No. 1

Bushing	Bore Range
G	3/8" to 1"
H	3/8 to 1 1/2
P1	1/2 to 1 3/4

Standard Keyseats

Table No. 2

Bore Range	Keyseats
3/8" & 7/16"	**None**
1/2 & 9/16	1/8" x 1/16"
5/8 to 7/8	3/16 x 3/32
15/16 to 1 1/4	1/4 x 1/8
1 5/16 & 1 3/8	5/16 x 5/32
1 7/16 to 1 3/4	3/8 x 3/16

1 3/8" Bore Bushings also available with 3/8" x 3/16" Keyseat.

Table No. 3

Specifications—Stock Minimum Bore Gearbelt® Pulleys

Part Number	Diameters			Number of Grooves	Type	Bore		Dimensions				Wt. Lbs.
	Pitch	Outside	Flange			Stock	Max.	F	L	P	H	
For L050 Belts, 3/8" Pitch, 1/2" Wide												
18LB050	2.149"	2.119"	2 7/16"	18	2	1/2"	7/8"	3/4"	1 1/4"	1/2"	1 9/16	.8
19LB050	2.268	2.238	2 5/8	19	2	1/2	7/8	3/4	1 1/4	1/2	1 11/16	.9
20LB050	2.387	2.357	2 5/8	20	2	1/2	7/8	3/4	1 1/4	1/2	1 11/16	1.0
21LB050	2.507	2.477	2 7/8	21	2	1/2	1 1/4	3/4	1 1/4	1/2	2	1.3
22LB050	2.626	2.596	2 7/8	22	2	1/2	1 1/4	3/4	1 1/4	1/2	2	1.4
24LB050	2.865	2.835	3 1/8	24	2	1/2	1 3/8	3/4	1 1/4	1/2	2 1/4	1.8
26LB050	3.104	3.074	3 3/8	26	2	1/2	1 3/8	3/4	1 1/4	1/2	2 1/4	2.1
28LB050	3.342	3.312	3 5/8	28	2	1/2	1 3/8	3/4	1 1/4	1/2	2 1/4	2.3
30LB050	3.581	3.551	3 13/16	30	2	1/2	1 3/8	3/4	1 1/4	1/2	2 1/4	2.4
32LB050	3.820	3.790	4 1/16	32	2	1/2	1 5/8	3/4	1 1/4	1/2	2 5/8	3.0
36LB050	4.297	4.267	4 11/16	36	2	1/2	2 5/16	3/4	1 1/4	1/2	3 1/2	3.8
40LB050	4.775	4.745	5	40	2	1/2	2 3/8	3/4	1 1/4	1/2	3 5/8	4.6
For L075 Belts, 3/8" Pitch, 3/4" Wide												
18LB075	2.149"	2.119"	2 7/16"	18	2	5/8"	7/8"	1"	1 1/2"	1/2"	1 9/16	1.0
19LB075	2.268	2.238	2 5/8	19	2	5/8	7/8	1	1 1/2	1/2	1 11/16	1.3
20LB075	2.387	2.357	2 5/8	20	2	5/8	7/8	1	1 1/2	1/2	1 11/16	1.3
21LB075	2.507	2.477	2 7/8	21	2	5/8	1 1/4	1	1 1/2	1/2	2	1.6
22LB075	2.626	2.596	2 7/8	22	2	5/8	1 1/4	1	1 1/2	1/2	2	1.8
24LB075	2.865	2.835	3 1/8	24	2	5/8	1 3/8	1	1 1/2	1/2	2 1/4	2.1
26LB075	3.104	3.074	3 3/8	26	2	5/8	1 3/8	1	1 1/2	1/2	2 1/4	2.4
28LB075	3.342	3.312	3 5/8	28	2	5/8	1 3/8	1	1 1/2	1/2	2 1/4	2.9
30LB075	3.581	3.551	3 13/16	30	2	5/8	1 3/8	1	1 1/2	1/2	2 1/4	3.0
32LB075	3.820	3.790	4 1/16	32	2	5/8	1 5/8	1	1 1/2	1/2	2 5/8	3.6
36LB075	4.297	4.267	4 11/16	36	2	5/8	2 5/16	1	1 1/2	1/2	3 1/2	4.4
40LB075	4.775	4.745	5	40	2	5/8	2 3/8	1	1 1/2	1/2	3 5/8	5.0
For L100 Belts, 3/8" Pitch, 1" Wide												
18LB100	2.149"	2.119"	2 7/16"	18	2	5/8"	7/8"	1 1/4"	1 3/4"	1/2"	1 9/16	1.2
19LB100	2.268	2.238	2 5/8	19	2	5/8	7/8	1 1/4	1 3/4	1/2	1 11/16	1.4
20LB100	2.387	2.357	2 5/8	20	2	5/8	7/8	1 1/4	1 3/4	1/2	1 11/16	1.8
21LB100	2.507	2.477	2 7/8	21	2	5/8	1 1/4	1 1/4	1 3/4	1/2	2	2.0
22LB100	2.626	2.596	2 7/8	22	2	5/8	1 1/4	1 1/4	1 3/4	1/2	2	2.1
24LB100	2.865	2.835	3 1/8	24	2	5/8	1 3/8	1 1/4	1 3/4	1/2	2 1/4	2.5
26LB100	3.104	3.074	3 3/8	26	2	5/8	1 5/8	1 1/4	1 3/4	1/2	2 7/16	3.0
28LB100	3.342	3.312	3 5/8	28	2	5/8	1 3/4	1 1/4	1 3/4	1/2	2 11/16	3.6
30LB100	3.581	3.551	3 13/16	30	2	5/8	1 7/8	1 1/4	1 3/4	1/2	2 13/16	4.1
32LB100	3.820	3.790	4 1/16	32	2	5/8	2	1 1/4	1 3/4	1/2	3 1/8	4.8
36LB100	4.297	4.267	4 11/16	36	2	5/8	2 5/16	1 1/4	1 3/4	1/2	3 1/2	5.4
40LB100	4.775	4.745	5	40	2	5/8	2 5/16	1 1/4	1 3/4	1/2	3 5/8	6.0

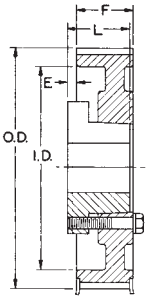
Browning Stock Minimum Bore Pulleys for "L" Gearbelts are furnished without keyseats or setscrews. They can be bored to size and furnished with keyseats and setscrews at a reasonable extra price.

***Maximum Bores shown will accommodate Standard Keyseats and Setscrew over Keyseat. Slightly Larger Bores are possible without Ks., Shallow Ks. or Setcrew at angle to Ks.**

Table No. 1

Specifications—Stock Gearbelt® Pulleys with Browning Split Taper® Bushings

Part Number		Diameters				Number of Grooves	Type	Dimensions									Wt. Lbs. Less Bush
Pulley	Bushing	Pitch	Outside	Inside	Flange			O.L.	F	L	P	C	H	G	X	E	
For L050 Belts, 3/8" Pitch, 1/2" Wide																	
18LG050	**G**	2.149"	2.119"	—	2 7/16"	18	4	1 3/8"	3/4"	1"	7/16"	3/16"	2"	—	—	3/16"	.5
19LG050	**G**	2.268	2.238	—	2 5/8	19	4	1 3/8	3/4	1	7/16	3/16	2	—	—	3/16	.5
20LG050	**G**	2.387	2.357	—	2 5/8	20	4	1 3/8	3/4	1	7/16	3/16	2	—	—	3/16	.6
21LG050	**G**	2.507	2.477	—	2 7/8	21	4	1 3/8	3/4	1	7/16	3/16	2	—	—	3/16	.7
22LG050	**G**	2.626	2.596	—	2 7/8	22	4	1 3/8	3/4	1	7/16	3/16	2	—	—	3/16	.8
24LH050	**H**	2.865	2.835	—	3 1/8	24	5	1 7/16	3/4	1 1/4	7/16	1/16	2 1/2	—	—	3/16	1.0
26LH050	**H**	3.104	3.074	—	3 3/8	26	5	1 7/16	3/4	1 1/4	7/16	1/16	2 1/2	—	—	3/16	1.0
28LH050	**H**	3.342	3.312	—	3 5/8	28	5	1 7/16	3/4	1 1/4	7/16	1/16	2 1/2	—	—	3/16	1.4
30LH050	**H**	3.581	3.551	—	3 13/16	30	5	1 7/16	3/4	1 1/4	7/16	1/16	2 1/2	—	—	3/16	1.9
32LH050	**H**	3.820	3.790	—	4 1/16	32	5	1 7/16	3/4	1 1/4	7/16	1/16	2 1/2	—	—	3/16	2.0
36LH050	**H**	4.297	4.267	—	4 11/16	36	5	1 7/16	3/4	1 1/4	7/16	1/16	2 1/2	—	—	3/16	2.5
36LP050	**P1**	4.297	4.267	—	4 11/16	36	7	2 3/16	3/4	1 15/16	5/8	9/16	3	—	1 5/16	1/4	2.8
40LH050	**H**	4.775	4.745	—	5	40	5	1 7/16	3/4	1 1/4	7/16	1/16	2 1/2	—	—	3/16	3.5
40LP050	**P1**	4.775	4.745	—	5	40	7	2 3/16	3/4	1 15/16	5/8	9/16	3	—	1 5/16	1/4	3.4
44LH050	**H**	5.252	5.222	—	5 1/2	44	5	1 7/16	3/4	1 1/4	716	1/16	2 1/2	—	—	3/16	4.0
44LP050	**P1**	5.252	5.222	—	5 1/2	44	7	2 3/16	3/4	1 15/16	5/8	9/16	3	—	1 5/16	1/4	4.1
48LH050	**H**	5.730	5.700	—	6	48	5	1 7/16	3/4	1 1/4	7/16	1/16	2 1/2	—	—	3/16	4.9
48LP050	**P1**	5.730	5.700	—	6	48	7	2 3/16	3/4	1 15/16	5/8	9/16	3	—	1 5/16	1/4	4.9
60LH050	**H**	7.162	7.132	6 7/16"	—	60	17	1 1/2	3/4	1 1/4	7/16	1/8	2 1/2	7/16"	7/8	3/16	4.3
60LP050	**P1**	7.162	7.132	6 7/16	—	60	13	2 3/16	3/4	1 15/16	5/8	9/16	3	5/8	1 5/16	1/4	4.9
72LH050	**H**	8.594	8.564	7 13/16	—	72	17	1 1/2	3/4	1 1/4	7/16	1/8	2 1/2	7/16	7/8	3/16	5.3
72LP050	**P1**	8.594	8.564	7 13/16	—	72	13	2 3/16	3/4	1 15/16	5/8	9/16	3	5/8	1 5/16	1/4	6.0
84LH050	**H**	10.027	9.997	9 1/4	—	84	17	1 1/2	3/4	1 1/4	7/16	1/8	2 1/2	7/16	7/8	3/16	6.2
84LP050	**P1**	10.027	9.997	9 1/4	—	84	13	2 3/16	3/4	1 15/16	5/8	9/16	3	5/8	1 5/16	1/4	7.0
96LH050	**H**	11.459	11.429	10 11/16	—	96	17	1 1/2	3/4	1 1/4	7/16	1/8	2 1/2	7/16	7/8	3/16	7.3
96LP050	**P1**	11.459	11.429	10 11/16	—	96	13	2 3/16	3/4	1 15/16	5/8	9/16	3	5/8	1 5/16	1/4	8.5
120LH050	**H**	14.324	14.294	13 9/16	—	120	17	1 1/2	3/4	1 1/4	7/16	1/8	2 1/2	7/16	7/8	3/16	9.5
120LP050	**P1**	14.324	14.294	13 9/16	—	120	13	3 3/16	3/4	1 15/16	5/8	9/16	3	5/8	1 5/16	1/4	10.8
For L075 Belts, 3/8" Pitch, 3/4" Wide																	
18LG075	**G**	2.149"	2.119"	—	2 7/16"	18	4	1 5/8"	1"	1"	7/16"	7/16"	2"	—	—	3/16"	.6
19LG075	**G**	2.268	2.238	—	2 5/8	19	4	1 5/8	1	1	7/16	7/16	2	—	—	3/16	.8
20LG075	**G**	2.387	2.357	—	2 5/8	20	4	1 5/8	1	1	7/16	7/16	2	—	—	3/16	.8
21LG075	**G**	2.507	2.477	—	2 7/8	21	4	1 5/8	1	1	7/16	7/16	2	—	—	3/16	1.0
22LG075	**G**	2.626	2.596	—	2 7/8	22	4	1 5/8	1	1	7/16	7/16	2	—	—	3/16	1.1
24LH075	**H**	2.865	2.835	—	3 1/8	24	4	1 5/8	1	1 1/4	7/16	3/16	2 1/2	—	—	3/16	1.1
26LH075	**H**	3.104	3.074	—	3 3/8	26	4	1 5/8	1	1 1/4	7/16	3/16	2 1/2	—	—	3/16	1.5
28LH075	**H**	3.342	3.312	—	3 5/8	28	4	1 5/8	1	1 1/4	7/16	3/16	2 1/2	—	—	3/16	1.8
30LH075	**H**	3.581	3.551	—	3 13/16	30	16	1 7/16	1	1 1/4	1/4	0	2 1/2	7/16"	13/16"	3/16	1.9
32LH075	**H**	3.820	3.790	—	4 1/16	32	16	1 7/16	1	1 1/4	1/4	0	2 1/2	7/16	13/16	3/16	2.3
36LH075	**H**	4.297	4.267	—	4 11/16	36	16	1 7/16	1	1 1/4	1/4	0	2 1/2	7/16	13/16	3/16	3.0
36LP075	**P1**	4.297	4.267	—	4 11/16	36	7	2 3/16	1	1 15/16	5/8	5/16	3	—	1 5/16	1/4	3.9
40LH075	**H**	4.775	4.745	—	5	40	16	1 7/16	1	1 1/4	1/4	0	2 1/2	7/16	13/16	3/16	3.8
40LP075	**P1**	4.775	4.745	—	5	40	7	2 3/16	1	1 15/16	5/8	5/16	3	—	1 5/16	1/4	3.9
44LH075	**H**	5.252	5.222	—	5 1/2	44	16	1 7/16	1	1 1/4	1/4	0	2 1/2	7/16	13/16	3/16	4.9
44LP075	**P1**	5.252	5.222	—	5 1/2	44	7	2 3/16	1	1 15/16	5/8	5/16	3	—	1 5/16	1/4	4.9
48LH075	**H**	5.730	5.700	—	6	48	16	1 7/16	1	1 1/4	1/4	0	2 1/2	7/16	13/16	3/16	5.8
48LP075	**P1**	5.730	5.700	—	6	48	7	2 3/16	1	1 15/16	5/8	5/16	3	—	1 5/16	1/4	5.9
60LH075	**H**	7.162	7.132	6 7/16"	—	60	17	1 1/2	1	1 1/4	5/16	1/16	2 1/2	7/16"	7/8	3/16	4.6
60LP075	**P1**	7.162	7.132	6 7/16	—	60	13	2 3/16	1	1 15/16	5/8	5/16	3	5/8	1 5/16	1/4	5.3
72LH075	**H**	8.594	8.564	7 13/16	—	72	17	1 1/2	1	1 1/4	5/16	1/16	2 1/2	7/16	7/8	3/16	5.6
72LP075	**P1**	8.594	8.564	7 13/16	—	72	13	2 3/16	1	1 15/16	5/8	5/16	3	5/8	1 5/16	1/4	6.6
84LH075	**H**	10.027	9.997	9 1/4	—	84	17	1 1/2	1	1 1/4	5/16	1/16	2 1/2	7/16	7/8	3/16	6.7
84LP075	**P1**	10.027	9.997	9 1/4	—	84	13	2 3/16	1	1 15/16	5/8	5/16	3	5/8	1 5/16	1/4	7.5
96LH075	**H**	11.459	11.429	10 11/16	—	96	17	1 1/2	1	1 1/4	5/16	1/16	2 1/2	7/16	7/8	3/16	7.9
96LP075	**P1**	11.459	11.429	10 11/16	—	96	13	2 3/16	1	1 15/16	5/8	5/16	3	5/8	1 5/16	1/4	8.8
120LH075	**H**	14.324	14.294	13 9/16	—	120	17	1 1/2	1	1 1/4	5/16	1/16	2 1/2	7/16	7/8	3/16	10.4
120LP075	**P1**	14.324	14.294	13 9/16	—	120	13	2 3/16	1	1 15/16	5/8	5/16	3	5/8	1 5/16	1/4	11.4
For L100 Belts, 3/8" Pitch, 1" Wide																	
18LG100	**G**	2.149"	2.119"	—	2 7/16"	18	4	1 7/8"	1 1/4"	1"	7/16"	11/16"	2"	—	—	3/16"	.8
19LG100	**G**	2.268	2.238	—	2 5/8	19	4	1 7/8	1 1/4	1	7/16	11/16	2	—	—	3/16	1.0
20LG100	**G**	2.387	2.357	—	2 5/8	20	4	1 7/8	1 1/4	1	7/16	11/16	2	—	—	3/16	1.1
21LG100	**G**	2.507	2.477	—	2 7/8	21	4	1 7/8	1 1/4	1	7/16	11/16	2	—	—	3/16	1.3
22LG100	**G**	2.626	2.596	—	2 7/8	22	4	1 7/8	1 1/4	1	7/16	11/16	2	—	—	3/16	1.5
24LH100	**H**	2.865	2.835	—	3 1/8	24	4	1 7/8	1 1/4	1 1/4	7/16	7/16	2 1/2	—	—	3/16	1.5
26LH100	**H**	3.104	3.074	—	3 3/8	26	4	1 7/8	1 1/4	1 1/4	7/16	7/16	2 1/2	—	—	3/16	1.9
28LH100	**H**	3.342	3.312	—	3 5/8	28	4	1 7/8	1 1/4	1 1/4	7/16	7/16	2 1/2	—	—	3/16	2.3
30LH100	**H**	3.581	3.551	—	3 13/16	30	16	1 7/16	1 1/4	1 1/4	0	0	2 1/2	7/16"	13/16"	3/16	2.3
32LH100	**H**	3.820	3.790	—	4 1/16	32	16	1 7/16	1 1/4	1 1/4	0	0	2 1/2	7/16	13/16	3/16	2.7
36LH100	**H**	4.297	4.267	—	4 11/16	36	16	1 7/16	1 1/4	1 1/4	0	0	2 1/2	7/16	13/16	3/16	3.2
36LP100	**P1**	4.297	4.267	—	4 11/16	36	6	2 3/16	1 1/4	1 15/16	5/8	1/16	3	—	—	1/4	3.9
40LH100	**H**	4.775	4.745	—	5	40	16	1 7/16	1 1/4	1 1/4	0	0	2 1/2	7/16	13/16	3/16	4.0
40LP100	**P1**	4.775	4.745	—	5	40	6	2 3/16	1 1/4	1 15/16	5/8	1/16	3	—	—	1/4	5.0
44LH100	**H**	5.252	5.222	—	5 1/2	44	16	1 7/16	1 1/4	1 1/4	0	0	2 1/2	7/16	13/16	3/16	5.0
44LP100	**P1**	5.252	5.222	—	5 1/2	44	6	2 3/16	1 1/4	1 15/16	5/8	1/16	3	—	—	1/4	6.3
48LH100	**H**	5.730	5.700	—	6	48	16	1 7/16	1 1/4	1 1/4	0	0	2 1/2	7/16	13/16	3/16	6.2
48LP100	**P1**	5.730	5.700	—	6	48	6	2 3/16	1 1/4	1 15/16	5/8	1/16	3	—	—	1/4	7.8
60LH100	**H**	7.162	7.132	6 7/16"	—	60	18	1 1/2	1 1/4	1 1/4	1/16	1/8	2 1/2	7/16"	7/8	3/16	5.1
60LP100	**P1**	7.162	7.132	6 7/16	—	60	13	2 3/16	1 1/4	1 15/16	5/8	1/16	3	5/8	1 5/16	1/4	5.9
72LH100	**H**	8.594	8.564	7 13/16	—	72	18	1 1/2	1 1/4	1 1/4	1/16	1/8	2 1/2	7/16	7/8	3/16	6.4
72LP100	**P1**	8.594	8.564	7 13/16	—	72	13	2 3/16	1 1/4	1 15/16	5/8	1/16	3	5/8	1 5/16	1/4	7.6
84LH100	**H**	10.027	9.997	9 1/4	—	84	18	1 1/2	1 1/4	1 1/4	1/16	1/8	2 1/2	7/16	7/8	3/16	7.5
84LP100	**P1**	10.027	9.997	9 1/4	—	84	13	2 3/16	1 1/4	1 15/16	5/8	1/16	3	5/8	1 5/16	1/4	8.2
96LH100	**H**	11.459	11.429	10 11/16	—	96	18	1 1/2	1 1/4	1 1/4	1/16	1/8	2 1/2	7/16	7/8	3/16	9.4
96LP100	**P1**	11.459	11.429	10 11/16	—	96	13	2 3/16	1 1/4	1 15/16	5/8	1/16	3	5/8	1 5/16	1/4	9.5
120LH100	**H**	14.324	14.294	13 9/16	—	120	18	1 1/2	1 1/4	1 1/4	1/16	1/8	2 1/2	7/16	7/8	3/16	11.6
120LP100	**P1**	14.324	14.294	13 9/16	—	120	13	2 3/16	1 1/4	1 15/16	5/8	1/16	3	5/8	1 5/16	1/4	12.1



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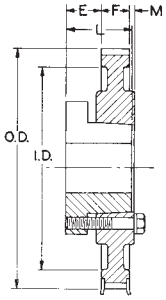

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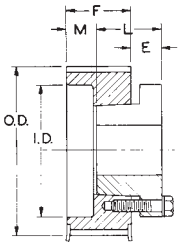


TYPE E

Standard Keyseats

Table No. 1

Bore Range	Keyseats
3/8" & 7/16"	**None**
1/2 & 9/16	1/8" x 1/16"
5/8 to 7/8	3/16 x 3/32
15/16 to 1 1/4	1/4 x 1/8
1 5/16 & 1 3/8	5/16 x 5/32
1 7/16 to 1 3/4	3/8 x 3/16
1 13/16 to 2	1/2 x 1/4

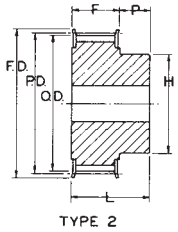
1 3/8" Bore Bushings also available with 3/8" x 3/16" Keyseat.

Table No. 1

Specifications — Gearbelt® Pulleys with Q-D® Bushings

Part No.	Bushing	Bore Range	Type	Number of Grooves	Diameters				Dimensions			Wt. Less Bush.
					Pitch	Flange	O.D.	I.D.	E	L	M	
For L050 Belts, 3/8" Pitch, 1/2" Wide F= 3/4"												
18L050JA	JA	1/2" — 1 1/4"	E1F	18	2.149"	2 7/16"	2.119"	—	1/2"	1"	0"	.5
20L050JA	JA	1/2 — 1 1/4	E1F	20	2.387	2 5/8	2.357	—	1/2	1	0	.7
22L050JA	JA	1/2 — 1 1/4	E1F	22	2.626	2 7/8	2.596	—	1/2	1	0	.9
24L050SH	SH	1/2 — 1 5/8	E1F	24	2.865	3 1/8	2.835	—	21/32	1 5/16	0	1.0
26L050SH	SH	1/2 — 1 5/8	B1F	26	3.104	3 3/8	3.074	—	21/32	1 5/16	—	1.2
28L050SH	SH	1/2 — 1 5/8	B1F	28	3.342	3 5/8	3.312	—	21/32	1 5/16	—	1.3
30L050SDS	SDS	1/2 — 2	B1F	30	3.581	3 13/16	3.551	—	21/32	1 5/16	—	1.5
32L050SDS	SDS	1/2 — 2	B1F	32	3.820	4 1/16	3.790	—	21/32	1 5/16	—	1.9
36L050SDS	SDS	1/2 — 2	B1F	36	4.297	4 17/32	4.267	—	21/32	1 5/16	—	2.3
40L050SDS	SDS	1/2 — 2	B1F	40	4.775	5	4.745	—	21/32	1 5/16	—	2.6
44L050SDS	SDS	1/2 — 2	B1F	44	5.252	5 31/64	5.222	—	21/32	1 5/16	—	3.0
48L050SDS	SDS	1/2 — 2	B1F	48	5.730	6	5.700	—	21/32	1 5/16	—	3.4
60L050SD	SD	1/2 — 2	C2	60	7.162	—	7.132	6 1/4	29/32	1 13/16	1/4	5.1
72L050SD	SD	1/2 — 2	C3	72	8.594	—	8.564	7 5/8	29/32	1 13/16	1/4	6.5
84L050SD	SD	1/2 — 2	C3	84	10.027	—	9.997	9 1/8	29/32	1 13/16	1/4	7.8
96L050SD	SD	1/2 — 2	C3	96	11.459	—	11.429	10 1/2	29/32	1 13/16	1/4	9.3
120L050SD	SD	1/2 — 2	C3	120	14.324	—	14.294	13 3/8	29/32	1 13/16	1/4	13.8
For L075 Belts, 3/8" Pitch, 3/4" Wide, F = 1												
18L075JA	JA	1/2" — 1 1/4"	E1F	18	2.149"	2 7/16"	2.119"	—	1/2"	1"	3/8"	.6
20L075JA	JA	1/2 — 1 1/4	E1F	20	2.387	2 5/8	2.357	—	1/2	1	3/8	.8
22L075JA	JA	1/2 — 1 1/4	E1F	22	2.626	2 7/8	2.596	1 7/8	1/2	1	3/8	1.0
24L075SH	SH	1/2 — 1 5/8	E1F	24	2.865	3 5/16	2.835	1 25/32	21/32	1 5/16	5/16	1.2
26L075SH	SH	1/2 — 1 5/8	E1F	26	3.104	3 3/8	3.074	1 25/32	21/32	1 5/16	5/16	1.4
28L075SH	SH	1/2 — 1 5/8	E1F	28	3.342	3 5/8	3.312	2 5/8	21/32	1 5/16	5/16	1.6
30L075SDS	SDS	1/2 — 2	E1F	30	3.581	3 13/16	3.551	2 3/32	21/32	1 5/16	5/16	1.8
32L075SDS	SDS	1/2 — 2	E1F	32	3.820	4 1/16	3.790	3	21/32	1 5/16	5/16	2.3
36L075SDS	SDS	1/2 — 2	B1F	36	4.297	4 17/32	4.267	3 3/8	13/32	1 5/16	—	2.8
40L075SDS	SDS	1/2 — 2	B1F	40	4.775	5	4.745	3 3/4	13/32	1 5/16	—	3.2
44L075SDS	SDS	1/2 — 2	B1F	44	5.252	5 31/64	5.222	4 1/4	13/32	1 5/16	—	3.7
48L075SDS	SDS	1/2 — 2	B1F	48	5.730	6	5.700	4 3/4	13/32	1 5/16	—	4.3
60L075SD	SD	1/2 — 2	C2	60	7.162	—	7.132	6 1/4	25/32	1 13/16	1/8	5.7
72L075SD	SD	1/2 — 2	C3	72	8.594	—	8.564	7 5/8	25/32	1 13/16	1/8	7.3
84L075SD	SD	1/2 — 2	C3	84	10.027	—	9.997	9 1/8	25/32	1 13/16	1/8	8.5
96L075SD	SD	1/2 — 2	C3	96	11.459	—	11.429	10 1/2	25/32	1 13/16	1/8	10.3
120L075SD	SD	1/2 — 2	C3	120	14.324	—	14.294	13 3/8	25/32	1 13/16	1/8	15.0
For L100 Belts, 3/8" Pitch, 1" Wide, F= 1 1/4"												
18L100JA	JA	1/2" — 1 1/4"	E1F	18	2.149"	2 7/16"	2.119"	—	1/2"	1"	5/8"	.7
20L100JA	JA	1/2 — 1 1/4	E1F	20	2.387	2 5/8	2.357	—	1/2	1	5/8	1.0
22L100JA	JA	1/2 — 1 1/4	E1F	22	2.626	2 7/8	2.596	1 7/8	1/2	1	5/8	1.3
24L100SH	SH	1/2 — 1 5/8	E1F	24	2.865	3 5/16	2.835	1 25/32	21/32	1 5/16	1/2	1.4
26L100SH	SH	1/2 — 1 5/8	E1F	26	3.104	3 3/8	3.074	1 25/32	21/32	1 5/16	1/2	1.7
28L100SH	SH	1/2 — 1 5/8	E1F	28	3.342	3 5/8	3.312	2 5/8	21/32	1 5/16	1/2	1.9
30L100SDS	SDS	1/2 — 2	E1F	30	3.581	3 13/16	3.551	2 3/32	21/32	1 5/16	1/2	2.2
32L100SDS	SDS	1/2 — 2	E1F	32	3.820	4 1/16	3.790	3	21/32	1 5/16	1/2	2.7
36L100SDS	SDS	1/2 — 2	B1F	36	4.297	4 17/32	4.267	3 3/8	5/32	1 5/16	—	3.3
40L100SDS	SDS	1/2 — 2	B1F	40	4.775	5	4.745	3 3/4	5/32	1 5/16	—	3.8
44L100SDS	SDS	1/2 — 2	B1F	44	5.252	5 31/64	5.222	4 1/4	5/32	1 5/16	—	4.5
48L100SDS	SDS	1/2 — 2	B1F	48	5.730	6	5.700	4 3/4	5/32	1 5/16	—	5.3
60L100SD	SD	1/2 — 2	B2	60	7.162	—	7.132	6 1/4	21/32	1 13/16	—	6.2
72L100SD	SD	1/2 — 2	B3	72	8.594	—	8.564	7 5/8	21/32	1 13/16	—	8.0
84L100SD	SD	1/2 — 2	B3	84	10.027	—	9.997	9 1/8	21/32	1 13/16	—	9.2
96L100SD	SD	1/2 — 2	B3	96	11.459	—	11.429	10 1/2	21/32	1 13/16	—	11.2
120L100SD	SD	1/2 — 2	B3	120	14.324	—	14.294	13 3/8	21/32	1 13/16	—	16.2

Note — Numerals in Type Designations mean: 1 = Solid, 2 = Web, and 3 = Arm Construction; F = Flanged Pulley.



TYPE 2

Browning Stock Minimum Bore Pulleys for "H" Gearbelts are furnished without keyseats or setscrews. They can be bored to size and furnished with keyseats and setscrews at a reasonable extra price.

***Maximum Bores shown will accommodate Standard Keyseats and Setscrew over Keyseat. Slightly Larger Bores are possible with no Ks., Shallow Ks., or S.S. at angle to Ks.**

Table No. 1

Specifications—Stock Minimum Bore Gearbelt Pulleys

Part Number	Diameters			Number of Grooves	Type	Bore		Dimensions				Wt. Lbs.
	Pitch	Outside	Flange			Stock	Max.*	F	L	P	H	
For H075 and H100 Belts, 1/2" Pitch, 3/4" and 1" Wide												
14HB100	2.228"	2.174"	2 7/16"	14	2	5/8"	7/8"	1 1/4"	1 7/8"	5/8"	1 5/8"	1.4
16HB100	2.546	2.492	2 7/8	16	2	5/8	1 1/8	1 1/4	2	3/4	1 7/8	2.0
17HB100	2.706	2.652	3	17	2	5/8	1 1/4	1 1/4	2	3/4	2	2.3
18HB100	2.865	2.811	3 1/8	18	2	5/8	1 3/8	1 1/4	2	3/4	2 1/4	2.8
19HB100	3.024	2.970	3 3/8	19	2	5/8	1 1/2	1 1/4	2	3/4	2 3/8	3.1
20HB100	3.183	3.129	3 3/8	20	2	5/8	1 5/8	1 1/4	2 1/8	7/8	2 1/2	3.6
21HB100	3.342	3.288	3 5/8	21	2	3/4	1 11/16	1 1/4	2 1/8	7/8	2 5/8	3.9
22HB100	3.501	3.447	3 13/16	22	2	3/4	1 3/4	1 1/4	2 1/4	1	2 3/4	4.5
24HB100	3.820	3.766	4 1/16	24	2	3/4	1 7/8	1 1/4	2 1/4	1	3	5.6
26HB100	4.138	4.084	4 3/8	26	2	3/4	2 1/4	1 1/4	2 3/8	1 1/8	3 3/8	7.0
28HB100	4.456	4.402	4 11/16	28	2	3/4	2 5/16	1 1/4	2 3/8	1 1/8	3 1/2	8.0
30HB100	4.775	4.721	5	30	2	3/4	2 3/8	1 1/4	2 3/8	1 1/8	3 5/8	9.1
For H150 Belts, 1/2" Pitch, 1 1/2" Wide												
14HB150	2.228"	2.174"	2 7/16"	14	2	3/4"	7/8"	1 3/4"	2 3/8"	5/8"	1 5/8"	1.8
16HB150	2.546	2.492	2 7/8	16	2	3/4	1 1/8	1 3/4	2 1/2	3/4	1 7/8	2.5
17HB150	2.706	2.652	3	17	2	3/4	1 1/4	1 3/4	2 1/2	3/4	2	3.0
18HB150	2.865	2.811	3 3/8	18	2	3/4	1 3/8	1 3/4	2 1/2	3/4	2 1/4	3.4
19HB150	3.024	2.970	3 3/8	19	2	3/4	1 1/2	1 3/4	2 1/2	3/4	2 3/8	3.9
20HB150	3.183	3.129	3 3/8	20	2	3/4	1 5/8	1 3/4	2 5/8	7/8	2 1/2	4.5
21HB150	3.342	3.288	3 5/8	21	2	3/4	1 11/16	1 3/4	2 5/8	7/8	2 5/8	5.0
22HB150	3.501	3.447	3 13/16	22	2	3/4	1 3/4	1 3/4	2 3/4	1	2 3/4	5.8
24HB150	3.820	3.766	4 1/16	24	2	3/4	1 7/8	1 3/4	2 3/4	1	3	6.9
26HB150	4.138	4.084	4 3/8	26	2	3/4	2 1/4	1 3/4	2 3/4	1	3 3/8	8.5
28HB150	4.456	4.402	4 11/16	28	2	3/4	2 5/16	1 3/4	2 7/8	1 1/8	3 1/2	10.1
30HB150	4.775	4.721	5	30	2	3/4	2 3/8	1 3/4	2 7/8	1 1/8	3 5/8	11.5
For H200 Belts, 1/2" Pitch, 2" Wide												
14HB200	2.228"	2.174"	2 7/16"	14	2	3/4	7/8"	2 9/32"	2 29/32"	5/8"	1 5/8"	2.3
16HB200	2.546	2.492	2 7/8	16	2	3/4	1 1/8	2 9/32	3 1/32	3/4	1 7/8	3.3
17HB200	2.706	2.652	3	17	2	3/4	1 1/4	2 9/32	3 1/32	3/4	2	3.8
18HB200	2.865	2.811	3 1/8	18	2	3/4	1 3/8	2 9/32	3 1/32	3/4	2 1/4	4.4
19HB200	3.024	2.970	3 3/8	19	2	3/4	1 1/2	2 9/32	3 1/32	3/4	2 3/8	5.0
20HB200	3.183	3.129	3 3/8	20	2	1	1 5/8	2 9/32	3 5/32	7/8	2 1/2	5.3
21HB200	3.342	3.288	3 5/8	21	2	1	1 11/16	2 9/32	3 5/32	7/8	2 5/8	5.9
22HB200	3.501	3.447	3 13/16	22	2	1	1 3/4	2 9/32	3 9/32	1	2 3/4	6.9
24HB200	3.820	3.766	4 1/16	24	2	1	1 7/8	2 9/32	3 9/32	1	3	8.3
26HB200	4.138	4.084	4 3/8	26	2	1	2 1/4	2 9/32	3 13/32	1 1/8	3 3/8	10.2
28HB200	4.456	4.402	4 11/16	28	2	1	2 5/16	2 9/32	3 13/32	1 1/8	3 1/2	11.8
30HB200	4.775	4.721	5	30	2	1	2 3/8	2 9/32	3 13/32	1 1/8	3 5/8	13.5
For H300 Belts, 1/2" Pitch, 3" Wide												
16HB300	2.546"	2.492	2 7/8"	16	2	3/4"	1 1/8"	3 5/16"	4 1/16	3/4"	1 7/8"	4.5
17HB300	2.706	2.652	3	17	2	3/4	1 1/4	3 5/16	4 1/16	3/4	2	5.1
18HB300	2.865	2.811	3 1/8	18	2	3/4	1 3/8	3 5/16	4 1/16	3/4	2 1/4	6.0
19HB300	3.024	2.970	3 3/8	19	2	3/4	1 1/2	3 5/16	4 1/16	3/4	2 3/8	6.6
20HB300	3.183	3.129	3 3/8	20	2	3/4	1 5/8	3 5/16	4 3/16	7/8	2 1/2	7.5
21HB300	3.342	3.288	3 5/8	21	2	3/4	1 11/16	3 5/16	4 3/16	7/8	2 5/8	9.0
22HB300	3.501	3.447	3 13/16	22	2	1 1/8	1 3/4	3 5/16	4 5/16	1	2 3/4	10.9
24HB300	3.820	3.766	4 1/16	24	2	1 1/8	1 7/8	3 5/16	4 5/16	1	3	12.0
26HB300	4.138	4.084	4 3/8	26	2	1 1/8	2 1/4	3 5/16	4 7/16	1 1/8	3 3/8	13.4
28HB300	4.456	4.402	4 11/16	28	2	1 1/8	2 5/16	3 5/16	4 7/16	1 1/8	3 1/2	15.6
30HB300	4.775	4.721	5	30	2	1 1/8	2 3/8	3 5/16	4 7/16	1 1/8	3 5/8	18.0

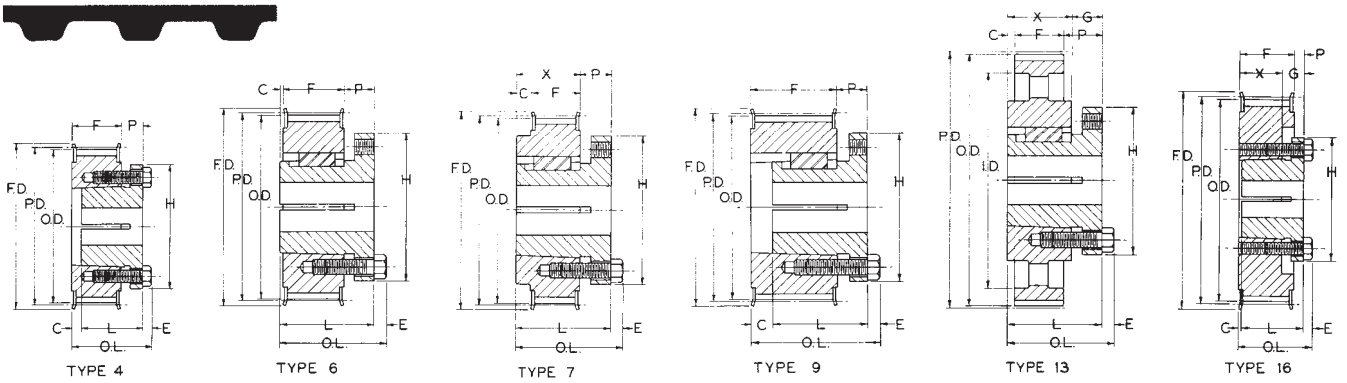


Table No. 1

Specifications — Stock Gearbelt® Pulleys with Browning Split Taper® Bushings

Part Number		Diameters				Number of Grooves	Type	Dimensions									Wt. Lbs. Less Bush.
Pulley	Bushing	Pitch	Outside	Inside	Flange			O.L.	F	L	P	C	H	G	X	E	
For H075 and H100 Belts,1/2" Pitch,3/4" and 1" Wide																	
14HG100	**G**	2.228"	2.174"	—	2 7/16"	14	4	1 7/8"	1 1/4"	1	7/16"	11/16"	2"	—	—	3/16"	.8
16HG100	**G**	2.546	2.492	—	2 7/8	16	4	1 7/8	1 1/4	1	7/16	11/16	2	—	—	3/16	1.3
18HH100	**H**	2.865	2.811	—	3 1/8	18	4	1 7/8"	1 1/4	1 1/4"	7/16"	7/16"	2 1/2"	—	—	3/16"	1.4
20HH100	**H**	3.183	3.129	—	3 3/8	20	4	1 7/8	1 1/4	1 1/4	7/16	7/16	2 1/2	—	—	3/16	1.8
22HH100	**H**	3.501	3.447	—	3 13/16	22	16	1 7/16	1 1/4	1 1/4	0	0	2 1/2	7/16"	13/16"	3/16	2.0
22HP100	**P1**	3.501	3.447	—	3 13/16	22	6	2 1/8	1 1/4	1 15/16	5/8	1/16	3	—	—	1/4	2.2
24HH100	**H**	3.820	3.766	—	4 1/16	24	16	1 7/16	1 1/4	1 1/4	0	0	2 1/2	7/16	13/16	3/16	2.6
24HP100	**P1**	3.820	3.766	—	4 1/16	24	6	2 1/8	1 1/4	1 15/16	5/8	1/16	3	—	—	1/4	2.8
26HH100	**H**	4.138	4.084	—	4 3/8	26	16	1 7/16	1 1/4	1 1/4	0	0	2 1/2	7/16	13/16	3/16	3.1
26HP100	**P1**	4.138	4.084	—	4 3/8	26	6	2 1/8	1 1/4	1 15/16	5/8	1/16	3	—	—	1/4	3.5
28HH100	**H**	4.456	4.402	—	4 11/16	28	16	1 7/16	1 1/4	1 1/4	0	0	2 1/2	7/16	13/16	3/16	3.8
28HP100	**P1**	4.456	4.402	—	4 11/16	28	6	2 1/8	1 1/4	1 15/16	5/8	1/16	3	—	—	1/4	4.2
30HH100	**H**	4.775	4.721	—	5	30	16	1 7/16	1 1/4	1 1/4	0	0	2 1/2	7/16	13/16	3/16	4.5
30HP100	**P1**	4.775	4.721	—	5	30	6	2 1/8	1 1/4	1 15/16	5/8	1/16	3	—	—	1/4	4.9
32HQ100	**Q1**	5.093	5.039	—	5 5/16	32	7	2 25/32	1 1/4	2 1/2	3/4"	1/2	4 1/8	—	1 3/4	9/32	5.0
36HQ100	**Q1**	5.730	5.676	—	6	36	7	2 25/32	1 1/4	2 1/2	3/4	1/2	4 1/8	—	1 3/4	9/32	6.4
40HQ100	**Q1**	6.366	6.312	—	6 9/16	40	7	2 25/32	1 1/4	2 1/2	3/4	1/2	4 1/8	—	1 3/4	9/32	8.5
44HQ100	**Q1**	7.003	6.949	—	7 1/4	44	7	2 25/32	1 1/4	2 1/2	3/4	1/2	4 1/8	—	1 3/4	9/32	10.0
48HQ100	**Q1**	7.639	7.585	—	7 7/8	48	7	2 25/32	1 1/4	2 1/2	3/4	1/2	4 1/8	—	1 3/4	9/32	12.3
60HQ100	**Q1**	9.549	9.495	8 11/16"	—	60	13	2 25/32	1 1/4	2 1/2	1	1/4	4 1/8	3/4	1 3/4	9/32	13.0
72HQ100	**Q1**	11.459	11.405	10 9/16	—	72	13	2 25/32	1 1/4	2 1/2	1	1/4	4 1/8	3/4	1 3/4	9/32	15.3
84HQ100	**Q1**	13.369	13.315	12 1/2	—	84	13	2 25/32	1 1/4	2 1/2	1	1/4	4 1/8	3/4	1 3/4	9/32	19.5
96HQ100	**Q1**	15.279	15.225	14 3/8	—	96	13	2 25/32	1 1/4	2 1/2	1	1/4	4 1/8	3/4	1 3/4	9/32	20.6
120HQ100	**Q1**	19.099	19.045	18 3/16	—	120	13	2 25/32	1 1/4	2 1/2	1	1/4	4 1/8	3/4	1 3/4	9/32	25.8
156HQ100	**Q1**	24.828	24.774	23 15/16	—	156	13	2 25/32	1 1/4	2 1/2	1	1/4	4 1/8	3/4	1 3/4	9/32	34.0
For H150 Belts, 1/2" Pitch, 1 1/2" Wide																	
14HG150	**G**	2.228"	2.174"	—	2 7/16"	14	4	2 3/8"	1 3/4"	1	7/16"	1 3/16"	2"	—	—	3/16"	1.3
16HG150	**G**	2.546	2.492	—	2 7/8	16	4	2 3/8	1 3/4	1	7/16	1 3/16	2	—	—	3/16	1.9
18HH150	**H**	2.865	2.811	—	3 1/8	18	4	2 3/8"	1 3/4	1 1/4"	7/16"	15/16"	2 1/2"	—	—	3/16"	2.0
20HH150	**H**	3.183	3.129	—	3 3/8	20	4	2 3/8	1 3/4	1 1/4	7/16	15/16	2 1/2	—	—	3/16	2.6
22HH150	**H**	3.501	3.447	—	3 13/16	22	16	1 15/16	1 3/4	1 1/4	0	1/2	2 1/2	7/16"	1 5/16"	3/16	3.0
22HP150	**P1**	3.501	3.447	—	3 13/16	22	9	2 5/8	1 3/4	1 15/16	5/8	7/16	3	—	1 5/16	1/4	3.0
24HH150	**H**	3.820	3.766	—	4 1/16	24	16	1 15/16	1 3/4	1 1/4	0	1/2	2 1/2	7/16	1 5/16	3/16	3.9
24HP150	**P1**	3.820	3.766	—	4 1/16	24	9	2 5/8	1 3/4	1 15/16	5/8	7/16	3	—	1 5/16	1/4	3.9
26HH150	**H**	4.138	4.084	—	4 3/8	26	16	1 15/16	1 3/4	1 1/4	0	1/2	2 1/2	7/16	1 5/16	3/16	4.5
26HP150	**P1**	4.138	4.084	—	4 3/8	26	9	2 5/8	1 3/4	1 15/16	5/8	7/16	3	—	1 5/16	1/4	4.9
28HH150	**H**	4.456	4.402	—	4 11/16	28	16	1 15/16	1 3/4	1 1/4	0	1/2	2 1/2	7/16	1 5/16	3/16	5.5
28HP150	**P1**	4.456	4.402	—	4 11/16	28	9	2 5/8	1 3/4	1 15/16	5/8	7/16	3	—	1 5/16	1/4	5.9
30HH150	**H**	4.775	4.721	—	5	30	16	1 15/16	1 3/4	1 1/4	0	1/2	2 1/2	7/16	1 5/16	3/16	6.5
30HP150	**P1**	4.775	4.721	—	5	30	9	2 5/8	1 3/4	1 15/16	5/8	7/16	3	—	1 5/16	1/4	6.9
32HQ150	**Q1**	5.093	5.039	—	5 5/16	32	9	2 25/32	1 3/4	2 1/2	3/4	0	4 1/8	—	1 3/4	9/32	6.5
36HQ150	**Q1**	5.730	5.676	—	6	36	9	2 25/32	1 3/4	2 1/2	3/4	0	4 1/8	—	1 3/4	9/32	9.1
40HQ150	**Q1**	6.366	6.312	—	6 9/16	40	9	2 25/32	1 3/4	2 1/2	3/4	0	4 1/8	—	1 3/4	9/32	11.8
44HQ150	**Q1**	7.003	6.949	—	7 1/4	44	9	2 25/32	1 3/4	2 1/2	3/4	0	4 1/8	—	1 3/4	9/32	15.1
48HQ150	**Q1**	7.639	7.585	—	7 7/8	48	9	2 25/32	1 3/4	2 1/2	3/4	0	4 1/8	—	1 3/4	9/32	19.0
60HQ150	**Q1**	9.549	9.495	8 11/16"	—	60	13	2 25/32	1 3/4	2 1/2	3/4	—	4 1/8	3/4	1 3/4	9/32	14.3
72HQ150	**Q1**	11.459	11.405	10 9/16	—	72	13	2 25/32	1 3/4	2 1/2	3/4	—	4 1/8	3/4	1 3/4	9/32	16.9
84HQ150	**Q1**	13.369	13.315	12 1/2	—	84	13	2 25/32	1 3/4	2 1/2	3/4	—	4 1/8	3/4	1 3/4	9/32	21.4
96HQ150	**Q1**	15.279	15.225	14 3/8	—	96	13	2 25/32	1 3/4	2 1/2	3/4	—	4 1/8	3/4	1 3/4	9/32	24.9
120HQ150	**Q1**	19.099	19.045	18 3/16	—	120	13	2 25/32	1 3/4	2 1/2	3/4	—	4 1/8	3/4	1 3/4	9/32	29.9
156HQ150	**Q1**	24.828	24.774	23 15/16	—	156	13	2 25/32	1 3/4	2 1/2	3/4	—	4 1/8	3/4	1 3/4	9/32	38.0

Bore Range

Table No. 2

Bushing	Bore Range
G	3/8" to 1"
H	3/8 to 1 1/2
P1	1/2 to 1 3/4
Q1	3/4 to 2 11/16

Standard Keyseats

Table No. 3

Bore Range	Keyseat	Bore Range	Keyseat
3/8" & 7/16"	None	1 5/16" &1 3/8"	5/16" x 5/32"
1/2 & 9/16	1/8" x 1/16"	1 7/16 to 1 3/4	3/8 x 3/16
5/8 to 7/8	3/16 x 3/32	1 13/16 to 2 1/4	1/2 x 1/4
15/16 to 1 1/4	1/4 x 1/8	2 5/16 to 2 11/16	5/8 x 5/16

1 3/8" Bore Bushings also available with 3/8" x 3/16" Keyseat.

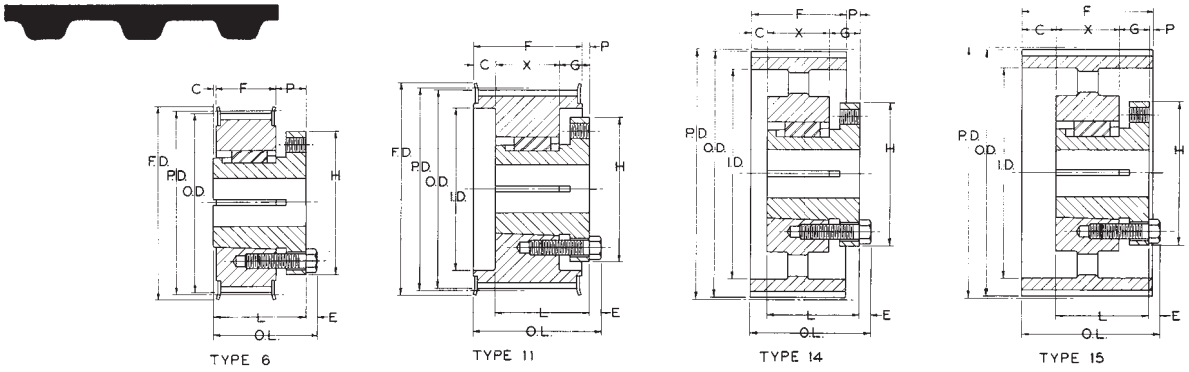


Table No.1 **Specifications—Stock Gearbelt® Pulleys with Browning Split Taper® Bushings**

Part Number		Diameters				Number of Grooves	Type	Dimensions									Wt. Lbs. Less Bush.
Pulley	Bushing	Pitch	Outside	Inside	Flange			O.L.	F	L	P	C	H	G	X	E	
For H200 Belts, 1/2" Pitch, 2" Wide																	
22HP200	**P2**	3.501"	3.447"	—	3 13/16"	22	6	3 3/16"	2 9/32"	2 15/16"	5/8"	1/32"	3"	—	—	1/4"	3.9
24HP200	**P2**	3.820	3.766	—	4 1/16	24	6	3 3/16	2 9/32	2 15/16	5/8	1/32	3	—	—	1/4	5.1
26HP200	**P2**	4.138	4.084	—	4 3/8	26	6	3 3/16	2 9/32	2 15/16	5/8	1/32	3	—	—	1/4	6.3
28HP200	**P2**	4.456	4.402	—	4 11/16	28	6	3 3/16	2 9/32	2 15/16	5/8	1/32	3	—	—	1/4	7.7
30HP200	**P2**	4.775	4.721	—	5	30	6	3 3/16	2 9/32	2 15/16	5/8	1/32	3	—	—	1/4	9.2
32HQ200	**Q1**	5.093	5.039	4 1/4	5 5/16	32	11	2 25/32	2 9/32	2 1/2	7/32	0	4 1/8	3/4"	1 3/4"	9/32	6.5
36HQ200	**Q1**	5.730	5.676	4 1/2	6	36	11	2 25/32	2 9/32	2 1/2	7/32	0	4 1/8	3/4	1 3/4	9/32	9.4
40HQ200	**Q1**	6.366	6.312	4 13/16	6 9/16	40	11	2 25/32	2 9/32	2 1/2	7/32	0	4 1/8	3/4	1 3/4	9/32	12.5
44HQ200	**Q1**	7.003	6.949	5 5/8	7 1/4	44	11	2 25/32	2 9/32	2 1/2	7/32	0	4 1/8	3/4	1 3/4	9/32	15.3
48HQ200	**Q1**	7.639	7.585	6 3/8	7 7/8	48	11	2 25/32	2 9/32	2 1/2	7/32	0	4 1/8	3/4	1 3/4	9/32	18.8
60HQ200	**Q1**	9.549	9.495	8 11/16	—	60	14	3 1/16	2 9/32	2 1/2	31/64	17/64	4 1/8	3/4	1 3/4	9/32	16.3
72HQ200	**Q1**	11.459	11.405	10 9/16	—	72	14	3 1/16	2 9/32	2 1/2	31/64	17/64	4 1/8	3/4	1 3/4	9/32	20.3
84HQ200	**Q1**	13.369	13.315	12 1/2	—	84	14	3 1/16	2 9/32	2 1/2	31/64	17/64	4 1/8	3/4	1 3/4	9/32	24.0
96HR200	**R1**	15.279	15.225	14 3/8	—	96	14	3 19/64	2 9/32	2 7/8	47/64	9/64	5 3/8	7/8	2	9/32	32.8
120HR200	**R1**	19.099	19.045	18 3/16	—	120	14	3 19/64	2 9/32	2 7/8	47/64	9/64	5 3/8	7/8	2	9/32	38.3
156HR200	**R1**	24.828	24.774	23 15/16	—	156	14	3 13/32	2 1/2	2 7/8	5/8	1/4	5 3/8	7/8	2	9/32	51.0
For H300 Belts, 1/2" Pitch, 3" Wide																	
32HQ300	**Q1**	5.093"	5.039"	4 1/4"	5 5/16	32	11	3 19/32"	3 5/16"	2 1/2"	0	13/16"	4 1/8"	3/4"	1 3/4"	9/32"	8.4
36HQ300	**Q1**	5.730	5.676	4 1/2	6	36	11	3 19/32	3 5/16	2 1/2	0	13/16	4 1/8	3/4	1 3/4	9/32	11.8
40HQ300	**Q1**	6.366	6.312	4 13/16	6 9/16	40	11	3 19/32	3 5/16	2 1/2	0	13/16	4 1/8	3/4	1 3/4	9/32	15.9
44HQ300	**Q1**	7.003	6.949	5 5/8	7 1/4	44	11	3 19/32	3 5/16	2 1/2	0	13/16	4 1/8	3/4	1 3/4	9/32	18.9
48HQ300	**Q1**	7.639	7.585	6 3/8	7 7/8	48	11	3 19/32	3 5/16	2 1/2	0	13/16	4 1/8	3/4	1 3/4	9/32	21.4
60HQ300	**Q1**	9.549	9.495	8 11/16	—	60	15	3 9/16	3 5/16	2 1/2	1/32	25/32	4 1/8	3/4	1 3/4	9/32	19.3
72HQ300	**Q1**	11.459	11.405	10 9/16	—	72	15	3 9/16	3 5/16	2 1/2	1/32	25/32	4 1/8	3/4	1 3/4	9/32	23.5
84HQ300	**Q1**	13.369	13.315	12 1/2	—	84	15	3 9/16	3 5/16	2 1/2	1/32	25/32	4 1/8	3/4	1 3/4	9/32	29.1
96HR300	**R1**	15.279	15.225	14 3/8	—	96	14	3 13/16	3 5/16	2 7/8	7/32	21/32	5 3/8	7/8	2	9/32	38.0
120HR300	**R1**	19.099	19.045	18 3/16	—	120	14	3 13/16	3 5/16	2 7/8	7/32	21/32	5 3/8	7/8	2	9/32	44.2
156HR300	**R1**	24.828	24.774	23 15/16	—	156	14	3 29/32	3 1/2	2 7/8	1/8	3/4	5 3/8	7/8	2	9/32	59.0

Bore Range

Table No. 2

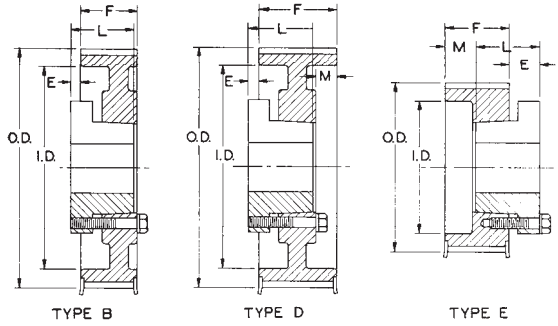
Bushing	Bore Range
P2	3/4" to 1 3/4"
Q1	3/4 to 2 11/16
R1	1 1/8 to 3 3/4

Standard Keyseats

Table No. 2

Bore Range	Keyseats
3/4" to 7/8"	3/16" x 3/32"
15/16 to 1 1/4	1/4 x 1/8
1 5/16 & 1 3/8	5/16 x 5/32
1 7/16 to 1 3/4	3/8 x 3/16
1 13/16 to 2 1/4	1/2 x 1/4
2 5/16 to 2 3/4	5/8 x 5/16
2 13/16 to 3 1/4	3/4 x 3/8
3 3/8 to 3 3/4	7/8 x 7/16

1 3/8" Bore Bushings also available with 3/8" x 3/16" Keyseat.



Standard Keyseats

Table No. 1

Bore Range	Keyseat	Bore Range	Keyseat
3/8" & 7/16"	None	1 7/16" to 1 3/4"	3/8" x 3/16"
1/2 & 9/16	1 1/8" x 1/16"	1 13/16 to 2 1/4	1/2 x 1/4
5/8 to 7/8	3/16 x 3/32	2 5/16 to 2 3/4	5/8 x 5/16
15/16 to 1 1/4	1/4 x 1/8	2 13/16 to 3 1/4	3/4 x 3/8
1 5/16 & 1 3/8	5/16 x 5/32	3 3/8 to 3 3/4	7/8 x 7/16

1 3/8" Bore Bushings also available with 3/8" x 3/16" Keyseat.

Table No. 1

Specifications — Gearbelt® Pulleys with Q-D® Bushings

Part No.	Bushing	Bore Range	Type	Number of Grooves	Diameters				Dimensions			Wt. Less Bush.
					Pitch	Flange	O.D.	I.D.	E	L	M	
For H075 and H100 Belts, 1/2" Pitch, 3/4" and 1" Wide, F = 1 5/16"												
14H100JA	JA	1/2" - 1 1/4"	E1F	14	2.228"	2 15/32"	2.174"	-	1/2"	57/64"	11/16"	.8
16H100JA	JA	1/2 - 1 1/4	E1F	16	2.546	2 25/32	2.492	1 7/8	1/2	57/64	11/16	1.1
18H100SH	SH	1/2 - 1 5/8	E1F	18	2.865	3 1/8	2.811	2	21/32	1 13/64	5/8	1.0
19H100SH	SH	1/2 - 1 5/8	E1F	19	3.024	3 1/4	2.970	1 25/32	21/32	1 13/64	5/8	1.2
20H100SH	SH	1/2 - 1 5/8	E1F	20	3.183	3 3/8	3.129	1 25/32	21/32	1 13/64	5/8	1.4
21H100SH	SH	1/2 - 1 5/8	E1F	21	3.342	3 5/8	3.288	2 5/8	21/32	1 13/64	5/8	1.6
22H100SDS	SDS	1/2 - 2	E1F	22	3.501	3 3/4	3.447	2 3/32	21/32	1 5/16	5/8	1.8
23H100SDS	SDS	1/2 - 2	E1F	23	3.661	3 7/8	3.607	3	21/32	1 5/16	5/8	1.9
24H100SDS	SDS	1/2 - 2	E1F	24	3.820	4 1/16	3.766	3	21/32	1 5/16	5/8	2.0
25H100SDS	SDS	1/2 - 2	E1F	25	3.979	4 3/16	3.925	3 5/32	21/32	1 5/16	5/8	2.2
26H100SDS	SDS	1/2 - 2	D1F	26	4.138	4 3/8	4.084	3 5/16	5/32	1 5/16	1/16	2.4
27H100SDS	SDS	1/2 - 2	D1F	27	4.297	4 11/16	4.243	3 7/16	5/32	1 5/16	1/16	2.7
28H100SDS	SDS	1/2 - 2	D1F	28	4.456	4 11/16	4.402	3 1/2	5/32	1 5/16	1/16	3.0
29H100SD	SD	1/2 - 2	B1F	29	4.615	5	4.561	3 5/8	21/32	1 13/16	—	3.6
30H100SD	SD	1/2 - 2	B1F	30	4.775	5	4.721	3 3/4	21/32	1 13/16	—	4.2
31H100SD	SD	1/2 - 2	B1F	31	4.934	5 5/16	4.880	3 15/16	21/32	1 13/16	—	4.4
32H100SK	SK	1/2 - 2 5/8	B1F	32	5.093	5 5/16	5.039	4 1/8	25/32	1 3/4	—	4.6
33H100SK	SK	1/2 - 2 5/8	B1F	33	5.252	5 1/2	5.198	4 5/16	25/32	1 3/4	—	5.0
34H100SK	SK	1/2 - 2 5/8	B1F	34	5.411	5 5/8	5.357	4 7/16	25/32	1 3/4	—	5.4
35H100SK	SK	1/2 - 2 5/8	B1F	35	5.570	6	5.516	4 1/2	25/32	1 3/4	—	5.8
36H100SK	SK	1/2 - 2 5/8	B1F	36	5.730	6	5.676	4 5/8	25/32	1 3/4	—	6.3
37H100SK	SK	1/2 - 2 5/8	B1F	37	5.889	6 1/8	5.835	4 15/16	25/32	1 3/4	—	6.8
38H100SK	SK	1/2 - 2 5/8	B1F	38	6.048	6 1/4	5.994	5 1/16	25/32	1 3/4	—	7.3
39H100SK	SK	1/2 - 2 5/8	B1F	39	6.207	6 9/16	6.153	5 1/4	25/32	1 3/4	—	7.8
40H100SK	SK	1/2 - 2 5/8	B1F	40	6.366	6 9/16	6.312	5 3/8	25/32	1 3/4	—	8.2
41H100SK	SK	1/2 - 2 5/8	B1F	41	6.525	6 3/4	6.471	5 9/16	25/32	1 3/4	—	8.6
42H100SK	SK	1/2 - 2 5/8	B1F	42	6.684	6 7/8	6.630	5 11/16	25/32	1 3/4	—	9.1
43H100SK	SK	1/2 - 2 5/8	B1F	43	6.844	7 1/8	6.790	5 3/4	25/32	1 3/4	—	9.6
44H100SK	SK	1/2 - 2 5/8	B1F	44	7.003	7 1/4	6.949	5 7/8	25/32	1 3/4	—	10.0
45H100SK	SK	1/2 - 2 5/8	B1F	45	7.162	7 3/8	7.108	6 1/8	25/32	1 3/4	—	10.5
48H100SK	SK	1/2 - 2 5/8	B2F	48	7.639	7 7/8	7.585	6 1/2	25/32	1 3/4	—	12.5
60H100SF	SF	1/2 - 2 15/16	B3	60	9.549	—	9.495	8 1/2	27/32	2	—	11.0
72H100SF	SF	1/2 - 2 15/16	B3	72	11.459	—	11.405	10 3/8	27/32	2	—	14.0
84H100SF	SF	1/2 - 2 15/16	B3	84	13.369	—	13.315	12 1/4	27/32	2	—	20.0
96H100SF	SF	1/2 - 2 15/16	B3	96	15.279	—	15.225	14 1/8	27/32	2	—	27.0
120H100SF	SF	1/2 - 2 15/16	B3	120	19.099	—	19.055	17 7/8	27/32	2	—	38.0
156H100SF	SF	1/2 - 2 15/16	B3	156	24.828	—	24.774	23 1/2	27/32	2	—	49.0
For H150 Belts, 1/2" Pitch, 1 1/2" Wide, F = 1 13/16"												
14H150JA	JA	1/2" - 1 1/4"	E1F	14	2.228"	2 15/32"	2.174"	—	1/2"	57/64"	1 3/16"	1.0
16H150JA	JA	1/2 - 1 1/4	E1F	16	2.546	2 25/32	2.492	1 7/8"	1/2	57/64	1 3/16	1.5
18H150SH	SH	1/2 - 1 5/8	E1F	18	2.865	3 1/8	2.811	2	21/32	1 13/64	1 1/8	1.7
20H150SH	SH	1/2 - 1 5/8	E1F	20	3.183	3 5/8	3.129	1 25/32	21/32	1 13/64	1 1/8	2.3
22H150SD	SD	1/2 - 2	E1F	22	3.501	3 3/4	3.447	2 1/8	21/32	1 13/16	9/16	2.7
24H150SD	SD	1/2 - 2	E1F	24	3.820	4 1/16	3.766	3	21/32	1 13/16	9/16	3.1
26H150SD	SD	1/2 - 2	D1F	26	4.138	4 3/8	4.084	3 5/16	5/32	1 13/16	1/16	3.4
28H150SD	SD	1/2 - 2	D1F	28	4.456	4 11/16	4.402	3 1/2	5/32	1 13/16	1/16	4.0
30H150SD	SD	1/2 - 2	B1F	30	4.775	5	4.721	3 3/4	3/32	1 13/16	—	5.3
32H150SK	SK	1/2 - 2 5/8	B1F	32	5.093	5 5/16	5.039	4 1/8	7/32	1 3/4	—	5.0
36H150SK	SK	1/2 - 2 5/8	B1F	36	5.730	6	5.676	4 5/8	7/32	1 3/4	—	7.0
40H150SK	SK	1/2 - 2 5/8	B1F	40	6.366	6 9/16	6.312	5 3/8	7/32	1 3/4	—	9.0
44H150SK	SK	1/2 - 2 5/8	B1F	44	7.003	7 1/4	6.949	5 7/8	7/32	1 3/4	—	11.0
48H150SK	SK	1/2 - 2 5/8	B2F	48	7.639	7 7/8	7.585	6 1/2	7/32	1 3/4	—	14.0
60H150SF	SF	1/2 - 2 15/16	D3	60	9.549	—	9.495	8 1/2	9/16	2	9/32	13.0
72H150SF	SF	1/2 - 2 15/16	D3	72	11.459	—	11.405	10 3/8	9/16	2	9/32	17.0
84H150SF	SF	1/2 - 2 15/16	D3	84	13.369	—	13.315	12 1/4	9/16	2	9/32	22.5
96H150SF	SF	1/2 - 2 15/16	D3	96	15.279	—	15.225	14 1/8	9/16	2	9/32	31.0
120H150SF	SF	1/2 - 2 15/16	D3	120	19.099	—	19.045	17 7/8	9/16	2	9/32	45.0
156H150SF	SF	1/2 - 2 15/16	D3	156	24.828	—	24.774	23 1/2	9/16	2	9/32	54.5

NOTE — Numerals in Type Designations mean: 1 = Solid, 2 = Web, and 3 = Arm Construction; F = Flanged Pulley.

Table No. 2

Specifications — Gearbelt® Pulleys with Q-D® Bushings

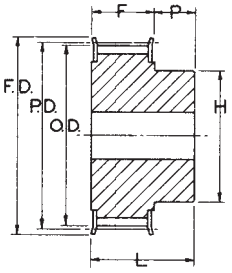
Part No.	Bushing	Bore Range	Type	Number of Grooves	Diameters				Dimensions			Wt. Less Bush.
					Pitch	Flange	O.D.	I.D.	E	L	M	
For H200 Belts, 1/2" Pitch, 2" Wide, F= 2 11/32"												
14H200JA	JA	1/2" - 1 1/4"	E1F	14	2.228"	2 15/32"	2.174"	—	1/2"	57/64"	1 23/32"	1.6
16H200JA	JA	1/2 - 1 1/4	E1F	16	2.546	2 25/32	2.492	1 7/8"	1/2	57/64	1 23/32	1.9
18H200SH	SH	1/2 - 1 5/8	E1F	18	2.865	3 1/8	2.811	2	21/32	1 13/64	1 21/32	2.3
20H200SH	SH	1/2 - 1 5/8	E1F	20	3.183	3 3/8	3.129	1 25/32	21/32	1 13/64	1 21/32	2.7
22H200SD	SD	1/2 - 2	E1F	22	3.501	3 3/4	3.447	2 1/8	21/32	1 13/16	1 3/32	3.0
24H200SD	SD	1/2 - 2	E1F	24	3.820	4 1/16	3.766	3	21/32	1 13/16	1 3/32	3.4
26H200SD	SD	1/2 - 2	D1F	26	4.138	4 3/8	4.138	3 5/16	1/32	1 13/16	9/16	3.8
28H200SD	SD	1/2 - 2	D1F	28	4.456	4 11/16	4.402	3 1/2	1/32	1 13/16	9/16	5.3
30H200SD	SD	1/2 - 2	D1F	30	4.775	5	4.721	3 3/4	3/32	1 13/16	5/8	6.2
32H200SK	SK	1/2 - 2 5/8	D1F	32	5.093	5 5/16	5.039	4 1/8	3/32	1 3/4	1/2	6.9
36H200SK	SK	1/2 - 2 5/8	D1F	36	5.730	6	5.676	4 5/8	3/32	1 3/4	1/2	8.0
40H200SK	SK	1/2 - 2 5/8	D1F	40	6.366	6 9/16	6.312	5 3/8	3/32	1 3/4	1/2	10.3
44H200SK	SK	1/2 - 2 5/8	D1F	44	7.003	7 1/4	6.949	5 7/8	3/32	1 3/4	1/2	12.5
48H200SF	SF	1/2 - 2 15/16	D1F	48	7.639	7 7/8	7.585	6 1/2	9/32	2	15/32	15.0
60H200SF	SF	1/2 - 2 15/16	D1	60	9.549	—	9.495	8 1/2	9/32	2	15/32	16.0
72H200SF	SF	1/2 - 2 15/16	D1	72	11.459	—	11.405	10 3/8	9/32	2	15/32	21.0
84H200SF	SF	1/2 - 2 15/16	D1	84	13.369	—	13.315	12 1/4	9/32	2	15/32	23.0
96H200E	E	7/8 - 3 1/2	D1	96	15.279	—	15.225	14 1/8	25/32	2 3/4	11/32	34.0
120H200E	E	7/8 - 3 1/2	D1	120	19.099	—	19.045	17 7/8	25/32	2 3/4	11/32	42.0
156H200E	E	7/8 - 3 1/2	D1	156	24.828	—	24.774	23 1/2	25/32	2 3/4	11/32	60.0
For H300 Belts, 1/2" Pitch, 3" Wide, F = 3 3/8"												
22H300SD	SD	1/2" - 2"	E1F	22	3.501"	3 3/4"	3.447"	2 1/8"	21/32"	1 13/16"	2 7/32"	4.2
24H300SD	SD	1/2 - 2	E1F	24	3.820	4 1/16	3.766	3	21/32	1 13/16	2 7/32	4.8
26H300SD	SD	1/2 - 2	D1F	26	4.138	4 3/8	4.084	3 5/16	1/32	1 13/16	1 1/2	5.6
28H300SD	SD	1/2 - 2	D1F	28	4.456	4 11/16	4.402	3 1/2	1/32	1 13/16	1 1/2	7.0
30H300SD	SD	1/2 - 2	A1F	30	4.775	5	4.721	3 3/4	13/32	1 13/16	1 1/16	7.7
32H300SK	SK	1/2 - 2 5/8	A1F	32	5.093	5 5/16	5.039	4 1/8	9/32	1 3/4	1 1/16	7.8
36H300SK	SK	1/2 - 2 5/8	A1F	36	5.730	6	5.676	4 5/8	9/32	1 3/4	1 1/16	10.0
40H300SK	SK	1/2 - 2 5/8	A1F	40	6.366	6 9/16	6.312	5 3/8	9/32	1 3/4	1 1/16	12.5
44H300SK	SK	1/2 - 2 5/8	A1F	44	7.003	7 1/4	6.949	5 7/8	9/32	1 3/4	1 1/16	15.5
48H300SF	SF	1/2 - 2 15/16	A1F	48	7.639	7 7/8	7.585	6 1/2	5/32	2	1 1/16	17.0
60H300SF	SF	1/2 - 2 15/16	A1	60	9.549	—	9.495	8 1/2	5/32	2	1 1/16	18.0
72H300SF	SF	1/2 - 2 15/16	A1	72	11.459	—	11.405	10 3/8	5/32	2	1 1/16	23.0
84H300SF	SF	1/2 - 2 15/16	A1	84	13.369	—	13.315	12 1/4	5/32	2	1 1/16	30.0
95H300E	E	7/8 - 3 1/2	D1	96	15.279	—	15.225	14 1/8	9/32	2 3/4	7/8	38.0
120H300E	E	7/8 - 3 1/2	D1	120	19.099	—	19.045	17 7/8	9/32	2 3/4	7/8	51.0
156H300E	E	7/8 - 3 1/2	D1	156	24.828	—	24.774	23 1/2	9/32	2 3/4	7/8	69.0

Note — Numerals in Type Designations mean: 1 = Solid, 2 = Web, and 3 = Arm Construction.

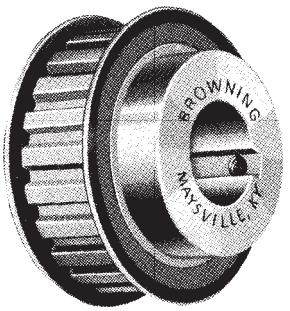
Stock "H", 1/2" Pitch Gearbelts

Table No. 1

Pitch Length	No. Teeth	3/4" Wide		1" Wide		1 1/2" Wide		2" Wide		3" Wide	
		Part No.	Wt. Lbs.	Part No.	Wt. Lbs.	Part No.	Wt. Lbs.	Part No.	Wt. Lbs.	Part No.	Wt. Lbs.
24.0"	48	**240H075**	.19	**240H100**	.25	**240H150**	.31	**240H200**	.38	**240H300**	.8
27.0	54	**270H075**	.19	**270H100**	.25	**270H150**	.31	**270H200**	.44	**270H300**	.8
30.0	60	**300H075**	.25	**300H100**	.25	**300H150**	.37	**300H200**	.56	**300H300**	.8
33.0	66	**330H075**	.25	**330H100**	.31	**330H150**	.44	**330H200**	.56	**330H300**	.9
36.0	72	**360H075**	.25	**360H100**	.31	**360H150**	.44	**360H200**	.63	**360H300**	.9
39.0	78	**390H075**	.25	**390H100**	.31	**390H150**	.38	**390H200**	.63	**390H300**	.9
42.0	84	**420H075**	.25	**420H100**	.31	**420H150**	.50	**420H200**	.69	**420H300**	1.0
45.0	90	**450H075**	.31	**450H100**	.31	**450H150**	.50	**450H200**	.75	**450H300**	1.1
48.0	96	**480H075**	.31	**480H100**	.38	**480H150**	.56	**480H200**	.75	**480H300**	1.1
51.0	102	**510H075**	.38	**510H100**	.38	**510H150**	.63	**510H200**	.81	**510H300**	1.2
54.0	108	**540H075**	.38	**540H100**	.44	**540H150**	.69	**540H200**	.81	**540H300**	1.3
57.0	114	**570H075**	.38	**570H100**	.50	**570H150**	.69	**570H200**	1.0	**570H300**	1.3
60.0	120	**600H075**	.38	**600H100**	.44	**600H150**	.69	**600H200**	.9	**600H300**	1.3
63.0	126	**630H075**	.38	**630H100**	.50	**630H150**	.69	**630H200**	.9	**630H300**	1.4
66.0	132	**660H075**	.50	**660H100**	.50	**660H150**	.69	**660H200**	1.0	**660H300**	1.4
70.0	140	**700H075**	.44	**700H100**	.56	**700H150**	.88	**700H200**	1.1	**700H300**	1.6
75.0	150	**750H075**	.50	**750H100**	.63	**750H150**	.81	**750H200**	1.2	**750H300**	1.7
80.0	160	**800H075**	.56	**800H100**	.69	**800H150**	.88	**800H200**	1.3	**800H300**	1.8
85.0	170	**850H075**	.63	**850H100**	.75	**850H150**	1.1	**850H200**	1.3	**850H300**	1.9
90.0	180	**900H075**	.63	**900H100**	.75	**900H150**	1.1	**900H200**	1.4	**900H300**	1.9
100.0	200	**1000H075**	.69	**1000H100**	.75	**1000H150**	1.1	**1000H200**	1.5	**1000H300**	2.1
110.0	220	**1100H075**	.69	**1100H100**	.94	**1100H150**	1.2	**1100H200**	1.6	**1100H300**	2.3
125.0	250	**1250H075**	.75	**1250H100**	1.2	**1250H150**	1.4	**1250H200**	1.9	**1250H300**	2.9
140.0	280	**1400H075**	.88	**1400H100**	1.2	**1400H150**	1.7	**1400H200**	2.1	**1400H300**	3.1
170.0	340	**1700H075**	1.1	**1700H100**	1.6	**1700H150**	2.2	**1700H200**	2.5	**1700H300**	3.7



TYPE 2



Specifications—Stock Minimum Bore Gearbelt® Pulleys

Table No. 1

Part Number	Diameters			Number of Grooves	Type	Bore		Dimensions					Wt. Lbs.
	Pitch	Outside	Flange			Stock	Max.*	F	L	P	C	H	
For XH200 Belts, 7/8" Pitch, 2" Wide													
18XHB200	5.013"	4.903"	5 9/16"	18	2	1"	2 1/4"	2 9/16"	3 7/16"	7/8"	—	3 11/16"	14.4
20XHB200	5.570	5.460	6 1/8	20	2	1	2 5/8	2 9/16	3 9/16	1	—	4 1/8	18.6
For XH300 Belts, 7/8" Pitch, 3" Wide													
18XHB300	5.013"	4.903"	5 9/16"	18	2	1"	2 1/4"	3 5/8"	4 1/2"	7/8"	—	3 11/16"	19.4
20XHB300	5.570	5.460	6 1/8	20	2	1	2 5/8	3 5/8	4 5/8	1	—	4 1/8	25.2
For XH400 Belts, 7/8" Pitch, 4" Wide													
18XHB400	5.013"	4.903"	5 9/16"	18	2	1"	2 1/4"	4 11/16"	5 9/16"	7/8"	—	3 11/16"	23.9
20XHB400	5.570	5.460	6 1/8	20	2	1	2 5/8	4 11/16	5 11/16	1	—	4 1/8	31.8
22XHB400	6.127	6.017	6 11/16	22	2	1	3 1/8	4 11/16	5 15/16	1 1/4	—	4 3/4	40.8
24XHB400	6.685	6.575	7 1/4	24	2	1	3 1/2	4 11/16	5 15/16	1 1/4	—	5 1/4	49.0
26XHB400	7.241	7.131	7 3/4	26	2	1	3 3/4	4 11/16	5 15/16	1 1/4	—	5 3/4	60.8

Browning Stock Minimum Bore Pulleys for "XH" Gearbelts are furnished without keyseats or setscrews. They can be bored to size and furnished with keyseats and setscrews at a reasonable extra price.

***Maximum Bores shown will accommodate Standard Keyseats and Setscrews over Keyseat. Slightly Larger Bores are possible without Ks., Shallow Ks. or Setcrew at angle to Ks.**

Stock "XH", 7/8" Pitch Gearbelt® Belts

Table No. 2

Pitch Length	No. Teeth	2" Wide		3" Wide		4" Wide	
		Part No.	Wt. Lbs.	Part No.	Wt. Lbs.	Part No.	Wt. Lbs.
50.75"	58	**507XH200**	1.9	**507XH300**	2.4	**507XH400**	3.5
56.00	64	**560XH200**	2.0	**560XH300**	2.9	**560XH400**	3.6
63.00	72	**630XH200**	2.1	**630XH300**	2.9	**630XH400**	4.1
70.00	80	**700XH200**	2.2	**700XH300**	3.5	**700XH400**	4.6
77.00	88	**770XH200**	2.4	**770XH300**	3.6	**770XH400**	5.8
84.00	96	**840XH200**	3.2	**840XH300**	3.9	**840XH400**	5.3
98.00	112	**980XH200**	3.3	**980XH300**	4.5	**980XH400**	6.0
112.00	128	**1120XH200**	3.6	**1120XH300**	5.5	**1120XH400**	7.6
126.00	144	**1260XH200**	4.3	**1260XH300**	6.3	**1260XH400**	10.5
140.00	160	**1400XH200**	4.9	**1400XH300**	7.3	**1400XH400**	10.0
154.00	176	**1540XH200**	5.2	**1540XH300**	7.5	**1540XH400**	10.1
175.00	200	**1750XH200**	5.6	**1750XH300**	8.5	**1750XH400**	12.0

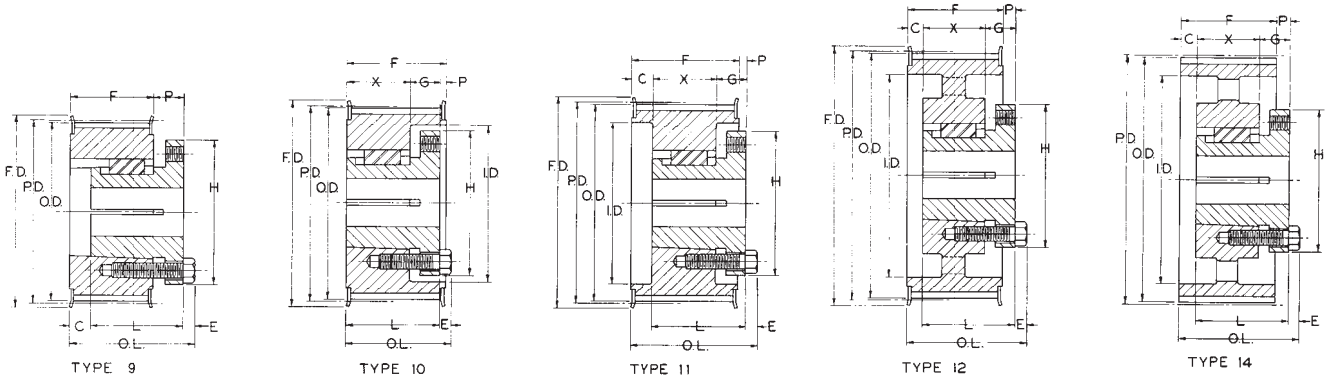


Table No. 1

Specifications — Stock Gearbelt® Pulleys with Browning Split Taper® Bushings

Part Number		Diameters				Number of Grooves	Type	Dimensions									Wt. Lbs. Less Bush.
Pulley	Bushing	Pitch	Outside	Inside	Flange			O.L.	F	L	P	C	H	G	X	E	
For XH200 Belts, 7/8" Pitch, 2" Wide																	
18XHQ200	Q1	5.013"	4.903"	—	5 9/16"	**18**	**9**	3 19/32"	2 9/16"	2 1/2"	3/4"	13/16"	4 1/8"	—	1 3/4"	9/32"	9.8
20XHQ200	Q1	5.570	5.460	4 1/4"	6 1/8	**20**	**10**	2 25/32	2 9/16	2 1/2	1/16	—	4 1/8	3/4"	1 3/4	9/32	11.4
22XHQ200	Q1	6.127	6.017	4 3/8	6 11/16	**22**	**10**	2 25/32	2 9/16	2 1/2	1/16	—	4 1/8	3/4	1 3/4	9/32	12.5
24XHQ200	Q1	6.685	6.575	4 15/16	7 1/4	**24**	**10**	2 25/32	2 9/16	2 1/2	1/16	—	4 1/8	3/4	1 3/4	9/32	15.1
26XHQ200	Q1	7.241	7.131	5 1/2	7 3/4	**26**	**10**	2 25/32	2 9/16	2 1/2	1/16	—	4 1/8	3/4	1 3/4	9/32	18.5
28XHR200	R1	7.799	7.689	5 15/16	8 3/8	**28**	**11**	3 5/32	2 9/16	2 7/8	5/16	0	5 3/8	7/8	2	9/32	18.8
30XHR200	R1	8.356	8.246	6 1/2	8 7/8	**30**	**11**	3 5/32	2 9/16	2 7/8	5/16	0	5 3/8	7/8	2	9/32	22.5
32XHR200	R1	8.913	8.803	7	9 7/16	**32**	**11**	3 5/32	2 9/16	2 7/8	5/16	0	5 3/8	7/8	2	9/32	26.1
36XHR200	R1	10.027	9.917	8 1/16	10 9/16	**36**	**11**	3 5/32	2 9/16	2 7/8	5/16	0	5 3/8	7/8	2	9/32	36.0
40XHR200	R1	11.141	11.031	9 1/4	11 11/16	**40**	**12**	3 5/32	2 9/16	2 7/8	5/16	0	5 3/8	7/8	2	9/32	33.3
48XHR200	R1	13.369	13.259	12	—	**48**	**14**	3 7/16	2 9/16	2 7/8	19/32	9/32	5 3/8	7/8	2	9/32	29.8
60XHR200	R1	16.711	16.601	15 5/16	—	**60**	**14**	3 7/16	2 9/16	2 7/8	19/32	9/32	5 3/8	7/8	2	9/32	40.0
72XHR200	R1	20.054	19.944	18 11/16	—	**72**	**14**	3 7/16	2 9/16	2 7/8	19/32	9/32	5 3/8	7/8	2	9/32	47.5
84XHR200	R1	23.396	23.286	22	—	**84**	**14**	3 7/16	2 9/16	2 7/8	19/32	9/32	5 3/8	7/8	2	9/32	54.5
96XHR200	R1	26.738	26.628	25 3/8	—	**96**	**14**	3 7/16	2 9/16	2 7/8	19/32	9/32	5 3/8	7/8	2	9/32	62.0
120XHR200	R1	33.423	33.313	32	—	**120**	**14**	3 7/16	2 9/16	2 7/8	19/32	9/32	5 3/8	7/8	2	9/32	78.5
For XH300 Belts, 7/8" Pitch, 3" Wide																	
18XHQ300	Q2	5.013"	4.903"	—	5 9/16"	**18**	**9**	4 21/32"	3 5/8"	3 1/2"	3/4"	7/8"	4 1/8"	—	2 3/4"	9/32"	11.5
20XHQ300	Q2	5.570	5.460	4 1/4"	6 1/8	**20**	**10**	3 25/32	3 5/8	3 1/2	1/8	—	4 1/8	3/4"	2 3/4	9/32	15.8
22XHQ300	Q2	6.127	6.017	4 3/8	6 11/16	**22**	**10**	3 25/32	3 5/8	3 1/2	1/8	—	4 1/8	3/4	2 3/4	9/32	18.1
24XHQ300	Q2	6.685	6.575	4 15/16	7 1/4	**24**	**10**	3 25/32	3 5/8	3 1/2	1/8	—	4 1/8	3/4	2 3/4	9/32	22.6
26XHQ300	Q2	7.241	7.131	5 1/2	7 3/4	**26**	**10**	3 25/32	3 5/8	3 1/2	1/8	—	4 1/8	3/4	2 3/4	9/32	27.8
28XHR300	R1	7.799	7.689	5 15/16	8 3/8	**28**	**11**	3 29/32	3 5/8	2 7/8	0	3/4	5 3/8	7/8	2	9/32	23.0
30XHR300	R1	8.356	8.246	6 1/2	8 7/8	**30**	**11**	3 29/32	3 5/8	2 7/8	0	3/4	5 3/8	7/8	2	9/32	27.0
32XHR300	R1	8.913	8.803	7	9 7/16	**32**	**11**	3 29/32	3 5/8	2 7/8	0	3/4	5 3/8	7/8	2	9/32	31.6
36XHR300	R1	10.027	9.917	8 1/16	10 9/16	**36**	**11**	3 29/32	3 5/8	2 7/8	0	3/4	5 3/8	7/8	2	9/32	41.6
40XHR300	R1	11.141	11.031	9 1/4	11 11/16	**40**	**12**	3 29/32	3 5/8	2 7/8	0	3/4	5 3/8	7/8	2	9/32	40.7
48XHS300	S1	13.369	13.259	12	—	**48**	**14**	4 29/32	3 5/8	4 3/8	29/32	5/32	6 3/8	1 1/16	3 5/16	3/8	58.0
60XHS300	S1	16.711	16.601	15 5/16	—	**60**	**14**	4 29/32	3 5/8	4 3/8	29/32	5/32	6 3/8	1 1/16	3 5/16	3/8	68.0
72XHS300	S1	20.054	19.944	18 11/16	—	**72**	**14**	4 29/32	3 5/8	4 3/8	29/32	5/32	6 3/8	1 1/16	3 5/16	3/8	77.0
84XHS300	S1	23.396	23.286	22	—	**84**	**14**	4 29/32	3 5/8	4 3/8	29/32	5/32	6 3/8	1 1/16	3 5/16	3/8	89.0
96XHS300	S1	26.738	26.628	25 3/8	—	**96**	**14**	4 29/32	3 5/8	4 3/8	29/32	5/32	6 3/8	1 1/16	3 5/16	3/8	100
120XHS300	S1	33.423	33.313	32	—	**120**	**14**	4 29/32	3 5/8	4 3/8	29/32	5/32	6 3/8	1 1/16	3 5/16	3/8	128
For XH400 Belts, 7/8" Pitch, 4" Wide																	
18XHQ400	Q3	5.013"	4.903"	—	5 9/16"	**18**	**9**	5 23/32"	4 11/16"	5"	3/4"	7/16"	4 1/8"	—	4 1/4"	9/32"	14.0
20XHQ400	Q2	5.570	5.460	4 1/4"	6 1/8	**20**	**11**	4 31/32	4 11/16	3 1/2	0	1 3/16	4 1/8	3/4"	2 3/4	9/32	18.6
22XHQ400	Q2	6.127	6.017	4 3/8	6 11/16	**22**	**11**	4 31/32	4 11/16	3 1/2	0	1 3/16	4 1/8	3/4	2 3/4	9/32	23.7
24XHQ400	Q2	6.685	6.575	4 15/16	7 1/4	**24**	**11**	4 31/32	4 11/16	3 1/2	0	1 3/16	4 1/8	3/4	2 3/4	9/32	28.9
26XHQ400	Q2	7.241	7.131	5 1/2	7 3/4	**26**	**11**	4 31/32	4 11/16	3 1/2	0	1 3/16	4 1/8	3/4	2 3/4	9/32	34.8
28XHR400	R2	7.799	7.689	5 15/16	8 3/8	**28**	**11**	5 5/32	4 11/16	4 7/8	3/16	0	5 3/8	7/8	4	9/32	36.0
30XHR400	R2	8.356	8.246	6 1/2	8 7/8	**30**	**11**	5 5/32	4 11/16	4 7/8	3/16	0	5 3/8	7/8	4	9/32	43.5
32XHR400	R2	8.913	8.803	7	9 7/16	**32**	**11**	5 5/32	4 11/16	4 7/8	3/16	0	5 3/8	7/8	4	9/32	51.0
36XHR400	R2	10.027	9.917	8 1/16	10 9/16	**36**	**11**	5 5/32	4 11/16	4 7/8	3/16	0	5 3/8	7/8	4	9/32	67.5
40XHR400	R2	11.141	11.031	9 1/4	11 11/16	**40**	**12**	5 5/32	4 11/16	4 7/8	3/16	0	5 3/8	7/8	4	9/32	56.0
48XHS400	S1	13.369	13.259	12	—	**48**	**14**	5 7/16	4 11/16	4 3/8	3/8	11/16	6 3/8	1 1/16	3 5/16	3/8	64.5
60XHS400	S1	16.711	16.601	15 5/16	—	**60**	**14**	5 7/16	4 11/16	4 3/8	3/8	11/16	6 3/8	1 1/16	3 5/16	3/8	77.0
72XHS400	S1	20.054	19.944	18 11/16	—	**72**	**14**	5 7/16	4 11/16	4 3/8	3/8	11/16	6 3/8	1 1/16	3 5/16	3/8	87.0
84XHS400	S1	23.396	23.286	22	—	**84**	**14**	5 7/16	4 11/16	4 3/8	3/8	11/16	6 3/8	1 1/16	3 5/16	3/8	103
96XHS400	S1	26.738	26.628	25 3/8	—	**96**	**14**	5 7/16	4 11/16	4 3/8	3/8	11/16	6 3/8	1 1/16	3 5/16	3/8	112
120XHS400	S1	33.423	33.313	32	—	**120**	**14**	5 7/16	4 11/16	4 3/8	3/8	11/16	6 3/8	1 1/16	3 5/16	3/8	143

Bore Range

Table No. 2

Bushing	Bore Range
Q1	3/4" to 2 11/16"
Q2	1 to 2 5/8
Q3	1 1/3 to 2 1/2
R1	1 1/8 to 3 3/4
R2	1 3/8 to 3 5/8
S1	1 11/16 to 4 1/4

Standard Keyseats

Table No. 3

Bore Range	Keyseat	Bore Range	Keyseat
3/4" to 7/8"	3/16" x 3/32"	2 5/16 to 2 3/4	5/8 x 5/16
15/16 to 1 1/4	1/4 x 1/8	2 13/16 to 3 1/4	3/4 x 3/8
1 5/16 & 1 3/8	5/16 x 5/32	3 3/8 to 3 3/4	7/8 x 7/16
1 7/16 to 1 3/4	3/8 x 3/16	3 7/8 to 4 1/4	1 x 1/2
1 13/16 to 2 1/4	1/2 x 1/4		

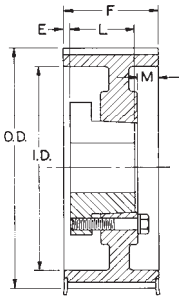
1 3/8" Bore Bushings (except Q3 and R2) also available with 3/8" x 3/16" Keyseat.

Standard Keyseats

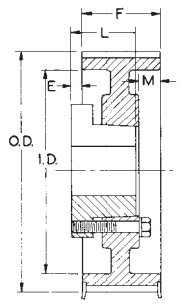
Table No. 1

Bore Range	Keyseat	Bore Range	Keyseat
3/4" to 7/8"	3/16" x 3/32"	2 5/16 to 2 3/4	5/8 x 5/16
15/16 to 1 1/4	1/4 x 1/8	2 13/16 to 3 1/4	3/4 x 3/8
1 5/16 & 1 3/8	5/16 x 5/32	3 3/8 to 3 3/4	7/8 x 7/16
1 7/16 to 1 3/4	3/8 x 3/16	3 7/8 to 4 1/2	1 x 1/2
1 13/16 to 2 1/4	1/2 x 1/4		

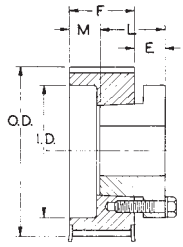
1 3/8" Bore Bushings also available with 3/8" x 3/16" Keyseat.



TYPE A



TYPE D



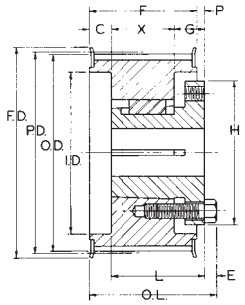
TYPE E

Table No. 2

Specifications — Gearbelt® Pulleys with Q-D® Bushings

Part No.	Bushing	Bore Range	Type	Number of Grooves	Diameters				Dimensions			Wt. Less Bush.
					Pitch	Flange	O.D.	I.D.	E	L	M	
For XH200 Belts, 7/8" Pitch, 2" Wide, F = 2 9/16"												
18XH200SK	SK	1/2" - 2 5/8"	E1F	18	5.013"	5 9/16"	4.903"	3 1/8"	25/32"	1 3/4"	1 5/16"	9
20XH200SK	SK	1/2 - 2 5/8	D1F	20	5.570	6 1/8	5.460	4 1/8	1/8	1 3/4	21/32	10
21XH200SK	SK	1/2 - 2 5/8	D1F	21	5.849	6 1/4	5.739	4 5/16	1/8	1 3/4	21/32	10
22XH200SK	SK	1/2 - 2 5/8	D1F	22	6.127	6 11/16	6.017	4 3/8	1/8	1 3/4	21/32	11
23XH200SK	SK	1/2 - 2 5/8	D1F	23	6.406	6 13/16	6.296	4 11/16	1/8	1 3/4	21/32	12
24XH200SF	SF	1/2 - 2 15/16	D1F	24	6.685	7 1/4	6.575	4 15/16	3/16	2	21/32	12
25XH200SF	SF	1/2 - 2 15/16	D1F	25	6.963	7 1/4	6.853	5 1/4	3/16	2	21/32	13
26XH200SF	SF	1/2 - 2 15/16	D1F	26	7.241	7 3/4	7.131	5 1/2	3/16	2	21/32	14
27XH200SF	SF	1/2 - 2 15/16	D1F	27	7.520	7 15/16	7.410	5 3/4	3/16	2	21/32	15
28XH200E	E	7/8 - 3 1/2	D1F	28	7.799	8 3/8	7.689	5 15/16	11/16	2 3/4	15/32	16
29XH200E	E	7/8 - 3 1/2	D1F	29	8.077	8 1/2	7.967	6 1/4	11/16	2 3/4	15/32	19
30XH200E	E	7/8 - 3 1/2	D1F	30	8.356	8 7/8	8.246	6 1/2	11/16	2 3/4	15/32	21
32XH200E	E	7/8 - 3 1/2	D1F	32	8.913	9 7/16	8.803	7	11/16	2 3/4	15/32	24
36XH200E	E	7/8 - 3 1/2	D2F	36	10.027	10 9/16	9.917	8 1/16	11/16	2 3/4	15/32	32
40XH200F	F	1 - 4	D2F	40	11.141	11 11/16	11.031	9 1/4	1 5/16	3 3/4	1/32	39
48XH200F	F	1 - 4	D2	48	13.369	—	13.259	12	1 5/16	3 3/4	1/32	46
60XH200F	F	1 - 4	D3	60	16.711	—	16.601	15 3/16	1 5/16	3 3/4	1/32	46
72XH200F	F	1 - 4	D3	72	20.054	—	19.944	18 11/16	1 5/16	3 3/4	1/32	57
84XH200F	F	1 - 4	D3	84	23.396	—	23.286	22	1 5/16	3 3/4	1/32	66
96XH200F	F	1 - 4	D3	96	26.738	—	26.628	25 3/8	1 5/16	3 3/4	1/32	80
120XH200F	F	1 - 4	D3	120	33.423	—	33.313	32	1 5/16	3 3/4	1/32	101
For XH300 Belts, 7/8" Pitch, 3" Wide, F = 3 5/8"												
18XH300SK	SK	1/2" - 2 5/8"	E1F	18	5.013"	5 9/16"	4.903"	3 1/8"	25/32"	1 3/4"	2 3/8"	11
20XH300SK	SK	1/2 - 2 5/8	A1F	20	5.570	6 1/8	5.460	4 1/8	13/32	1 3/4	1 3/16	12
21XH300SK	SK	1/2 - 2 5/8	A1F	21	5.849	6 1/4	5.739	4 5/16	13/32	1 3/4	1 3/16	13
22XH300SK	SK	1/2 - 2 5/8	A1F	22	6.127	6 11/16	6.017	4 3/8	13/32	1 3/4	1 3/16	14
23XH300SK	SK	1/2 - 2 5/8	A1F	23	6.406	6 13/16	6.296	4 11/16	13/32	1 3/4	1 3/16	15
24XH300SF	SF	1/2 - 2 15/16	A1F	24	6.685	7 1/4	6.575	4 15/16	11/32	2	1 3/16	16
25XH300SF	SF	1/2 - 2 15/16	A1F	25	6.963	7 1/4	6.853	5 1/4	11/32	2	1 3/16	17
26XH300SF	SF	1/2 - 2 15/16	A1F	26	7.241	7 3/4	7.131	5 1/2	11/32	2	1 3/16	18
27XH300SF	SF	1/2 - 2 15/16	A1F	27	7.520	7 15/16	7.410	5 3/4	11/32	2	1 3/16	19
28XH300E	E	7/8 - 3 1/2	D1F	28	7.799	8 3/8	7.689	5 15/16	5/32	2 3/4	1	20
29XH300E	E	7/8 - 3 1/2	D1F	29	8.077	8 1/2	7.967	6 1/4	5/32	2 3/4	1	23
30XH300E	E	7/8 - 3 1/2	D1F	30	8.356	8 7/8	8.246	6 1/2	5/32	2 3/4	1	25
32XH300E	E	7/8 - 3 1/2	D1F	32	8.913	9 7/16	8.803	7	5/32	2 3/4	1	29
36XH300E	E	7/8 - 3 1/2	D2F	36	10.027	10 9/16	9.917	8 1/16	5/32	2 3/4	1	37
40XH300F	F	1 - 4	D2F	40	11.141	11 11/16	11.031	9 1/4	25/32	3 3/4	9/16	45
48XH300F	F	1 - 4	D2	48	13.369	—	13.259	12	25/32	3 3/4	9/16	53
60XH300F	F	1 - 4	D3	60	16.711	—	16.601	15 3/16	25/32	3 3/4	9/16	57
72XH300J	J	1 1/2 - 4 1/2	D3	72	20.054	—	19.944	18 11/16	1 7/32	4 5/8	7/32	76
84XH300J	J	1 1/2 - 4 1/2	D3	84	23.396	—	23.286	22	1 7/32	4 5/8	7/32	88
96XH300J	J	1 1/2 - 4 1/2	D3	96	26.738	—	26.628	25 3/8	1 7/32	4 5/8	7/32	102
120XH300J	J	1 1/2 - 4 1/2	D3	120	33.423	—	33.313	32	1 7/32	4 5/8	7/32	134
For XH400 Belts, 7/8" Pitch, 4" Wide, F = 4 11/16"												
20XH400SK	SK	1/2" - 2 5/8"	A1F	20	5.570"	6 1/8"	5.460"	4 1/8"	13/32"	1 15/16"	2 1/4"	15
22XH400SK	SK	1/2 - 2 5/8	A1F	22	6.127	6 11/16	6.017	4 3/8	13/32	1 15/16	2 1/4	17
24XH400SF	SF	1/2 - 2 15/16	A1F	24	6.685	7 1/4	7.575	4 15/16	11/32	2 1/16	2 1/4	19
26XH400SF	SF	1/2 - 2 15/16	A1F	26	7.241	7 3/4	7.131	5 1/2	11/32	2 1/16	2 1/4	21
28XH400E	E	7/8 - 3 1/2	A1F	28	7.799	8 3/8	7.689	5 15/16	3/8	2 3/4	1 17/32	23
30XH400E	E	7/8 - 3 1/2	A1F	30	8.356	8 7/8	8.246	6 1/2	3/8	2 3/4	1 17/32	30
32XH400E	E	7/8 - 3 1/2	A2F	32	8.913	9 7/16	8.803	7	3/8	2 3/4	1 17/32	34
36XH400E	E	7/8 - 3 1/2	A2F	36	10.027	10 9/16	9.917	8 1/16	3/8	2 3/4	1 17/32	44
40XH400F	F	1 - 4	D2F	40	11.141	11 11/16	11.031	9 1/4	1/4	3 3/4	1 3/32	52
48XH400J	J	1 1/2 - 4 1/2	D2	48	13.369	—	13.259	12	11/16	4 5/8	3/4	67
60XH400J	J	1 1/2 - 4 1/2	D3	60	16.711	—	16.601	15 3/16	11/16	4 5/8	3/4	74
72XH400J	J	1 1/2 - 4 1/2	D3	72	20.054	—	19.944	18 11/16	11/16	4 5/8	3/4	90
84XH400J	J	1 1/2 - 4 1/2	D3	84	23.396	—	23.286	22	11/16	4 5/8	3/4	102
96XH400J	J	1 1/2 - 4 1/2	D3	96	26.738	—	26.628	25 3/8	11/16	4 5/8	3/4	124
120XH400J	J	1 1/2 - 4 1/2	D3	120	33.423	—	33.313	32	11/16	4 5/8	3/4	156

NOTE — Numerals in Type Designations mean: 1 = Solid, 2 = Web, and 3 = Arm Construction; F = Flanged Pulley.



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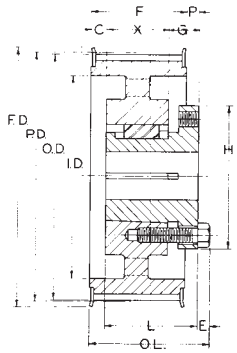

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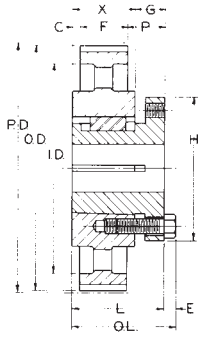

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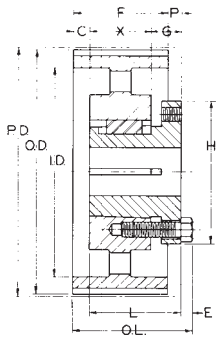


TYPE 14

Specifications—Stock Gearbelt® Pulleys with Browning Split Taper® Bushings

Table No. 1

Part Number		Diameters				Number of Grooves	Type	Dimensions									Wt. Lbs. Less Bush.
Pulley	Bushing	Pitch	Outside	Inside	Flange			O.L.	F	L	P	C	H	G	X	E	
For XXH200 Belts, 1 1/4" Pitch, 2" Wide																	
18XXHR200	R1	7.162"	7.042"	5 1/2"	7 7/8"	18	11	3 5/32"	2 5/8"	2 7/8"	1/4"	0	5 3/8"	7/8"	2"	9/32"	13.5
20XXHR200	R1	7.958	7.838	6	8 11/16	20	11	3 5/32	2 5/8	2 7/8	1/4	0	5 3/8	7/8	2	9/32	18.9
22XXHR200	R1	8.753	8.633	6 3/4	9 1/2	22	11	3 5/32	2 5/8	2 7/8	1/4	0	5 3/8	7/8	2	9/32	24.3
24XXHR200	R1	9.549	9.429	7 1/2	10 5/16	24	12	3 5/32	2 5/8	2 7/8	1/4	0	5 3/8	7/8	2	9/32	24.9
26XXHR200	R1	10.345	10.225	8 1/4	11 1/16	26	12	3 5/32	2 5/8	2 7/8	1/4	0	5 3/8	7/8	2	9/32	29.8
30XXHR200	R1	11.937	11.817	9 7/8	12 11/16	30	12	3 5/32	2 5/8	2 7/8	1/4	0	5 3/8	7/8	2	9/32	36.4
34XXHR200	R1	13.528	13.408	11 1/4	14 1/4	34	12	3 5/32	2 5/8	2 7/8	1/4	0	5 3/8	7/8	2	9/32	40.3
40XXHR200	R1	15.915	15.795	13 5/8	16 5/8	40	12	3 5/32	2 5/8	2 7/8	1/4	0	5 3/8	7/8	2	9/32	49.5
48XXHS200	S1	19.099	18.979	16 13/16	—	48	13	4 3/4	2 5/8	4 3/8	1 13/32	11/32"	6 3/8	1 1/16	3 5/16	3/8	87.0
60XXHS200	S1	23.873	23.753	21 5/8	—	60	13	4 3/4	2 5/8	4 3/8	1 13/32	11/32	6 3/8	1 1/16	3 5/16	3/8	103
72XXHS200	S1	28.648	28.528	26 3/8	—	72	13	4 3/4	2 5/8	4 3/8	1 13/32	11/32	6 3/8	1 1/16	3 5/16	3/8	120
90XXHS200	S1	35.810	35.690	33 1/2	—	90	13	4 3/4	2 5/8	4 3/8	1 13/32	11/32	6 3/8	1 1/16	3 5/16	3/8	165
For XXH300 Belts, 1 1/4" Pitch, 3" Wide																	
18XXHR300	R1	7.162"	7.042"	5 1/2"	7 7/8"	18	11	3 31/32"	3 11/16"	2 7/8"	0	13/16"	5 3/8"	7/8"	2"	9/32"	17.3
20XXHR300	R1	7.958	7.838	6	8 11/16	20	11	3 31/32	3 11/16	2 7/8	0	13/16	5 3/8	7/8	2	9/32	23.4
22XXHR300	R1	8.753	8.633	6 3/4	9 1/2	22	11	3 31/32	3 11/16	2 7/8	0	13/16	5 3/8	7/8	2	9/32	29.6
24XXHR300	R1	9.549	9.429	7 1/2	10 5/16	24	12	3 31/32	3 11/16	2 7/8	0	13/16	5 3/8	7/8	2	9/32	30.8
26XXHR300	R1	10.345	10.225	8 1/4	11 1/16	26	12	3 31/32	3 11/16	2 7/8	0	13/16	5 3/8	7/8	2	9/32	35.0
30XXHR300	R1	11.937	11.817	9 7/8	12 11/16	30	12	3 31/32	3 11/16	2 7/8	0	13/16	5 3/8	7/8	2	9/32	45.6
34XXHR300	R1	13.528	13.408	11 1/4	14 1/4	34	12	3 31/32	3 11/16	2 7/8	0	13/16	5 3/8	7/8	2	9/32	49.5
40XXHR300	R1	15.915	15.795	13 5/8	16 5/8	40	12	3 31/32	3 11/16	2 7/8	0	13/16	5 3/8	7/8	2	9/32	59.5
48XXHS300	S1	19.099	18.979	16 13/16	—	48	14	4 15/16	3 11/16	4 3/8	7/8"	3/16	6 3/8	1 1/16	3 5/16	3/8	106
60XXHS300	S1	23.873	23.753	21 5/8	—	60	14	4 15/16	3 11/16	4 3/8	7/8	3/16	6 3/8	1 1/16	3 5/16	3/8	120
72XXHS300	S1	28.648	28.528	26 3/8	—	72	14	4 15/16	3 11/16	4 3/8	7/8	3/16	6 3/8	1 1/16	3 5/16	3/8	138
90XXHS300	S1	35.810	35.690	33 1/2	—	90	14	4 15/16	3 11/16	4 3/8	7/8	3/16	6 3/8	1 1/16	3 5/16	3/8	186
For XXH400 Belts, 1 1/4" Pitch, 4" Wide																	
18XXHR400	R2	7.162"	7.042"	5 1/2"	7 7/8"	18	11	5 5/32"	4 3/4"	4 7/8"	1/8"	0	5 3/8"	7/8"	4"	9/32"	25.8
20XXHR400	R2	7.958	7.838	6	8 11/16	20	11	5 5/32	4 3/4	4 7/8	1/8	0	5 3/8	7/8	4	9/32	35.7
22XXHR400	R2	8.753	8.633	6 3/4	9 1/2	22	11	5 5/32	4 3/4	4 7/8	1/8	0	5 3/8	7/8	4	9/32	47.2
24XXHR400	R2	9.549	9.429	7 1/2	10 5/16	24	12	5 5/32	4 3/4	4 7/8	1/8	0	5 3/8	7/8	4	9/32	56.0
26XXHR400	R2	10.345	10.225	8 1/4	11 1/16	26	12	5 5/32	4 3/4	4 7/8	1/8	0	5 3/8	7/8	4	9/32	66.0
30XXHR400	R2	11.937	11.817	9 7/8	12 11/16	30	12	5 5/32	4 3/4	4 7/8	1/8	0	5 3/8	7/8	4	9/32	65.0
34XXHS400	S1	13.528	13.408	11 1/4	14 1/4	34	12	5 1/8	4 3/4	4 3/8	0	3/8"	6 3/8	1 1/16	3 5/16	3/8	80.0
40XXHS400	S1	15.915	15.795	13 5/8	16 5/8	40	12	5 1/8	4 3/4	4 3/8	0	3/8	6 3/8	1 1/16	3 5/16	3/8	103
48XXHU400	U1	19.099	18.979	16 13/16	—	48	13	7 19/32	4 3/4	7 1/8	1 15/16	7/16	8 3/8	1 1/2	5 5/8	15/32	165
60XXHU400	U1	23.873	23.753	21 5/8	—	60	13	7 19/32	4 3/4	7 1/8	1 15/16	7/16	8 3/8	1 1/2	5 5/8	15/32	183
72XXHU400	U1	28.648	28.528	26 3/8	—	72	13	7 19/32	4 3/4	7 1/8	1 15/16	7/16	8 3/8	1 1/2	5 5/8	15/32	208
90XXHU400	U1	35.810	35.690	33 1/2	—	90	13	7 19/32	4 3/4	7 1/8	1 15/16	7/16	8 3/8	1 1/2	5 5/8	15/32	285

Bore Range

Table No. 2

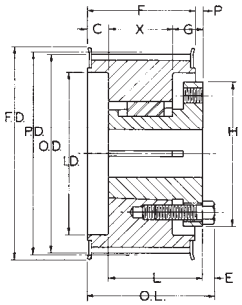
Bushing	Bore Range
R1	1 1/8" to 3 3/4"
R2	1 3/8 to 3 5/8
S1	1 11/16 to 4 1/4
U1	2 3/8 to 5 1/2

Standard Keyseats

Table No. 3

Bore Range	Keyseat	Bore Range	Keyseat
1 1/8" to 1 1/4"	1/4" x 1/8"	2 13/16 to 3 1/4	3/4 x 3/8
1 5/16 to 1 3/8	5/16 x 5/32	3 3/6 to 3 3/4	7/8 x 7/16
1 7/16 to 1 3/4	3/8 x 3/16	3 7/8 to 4 1/2	1 x 1/2
1 13/16 to 2 1/4	1/2 x 1/4	4 5/8 to 5 1/2	1 1/4 x 5/8
2 5/16 to 2 3/4	5/8 x 5/16		

1 3/8" Bore Bushings (except R2) also available with 3/8" x 3/16" Keyseat.



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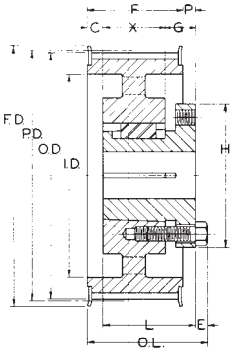

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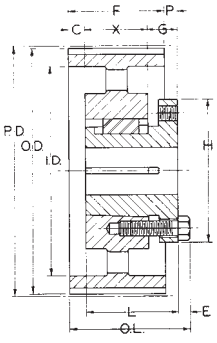


TYPE 14

Specifications—Stock Gearbelt® Pulleys with Browning Split Taper® Bushings

Table No. 1

Part Number		Diameters				Number of Grooves	Type	Dimensions									Wt. Lbs. Less Bush.
Pulley	Bushing	Pitch	Outside	Inside	Flange			O.L.	F	L	P	C	H	G	X	E	
For XXH500 Belts, 1 1/4" Pitch, 5" Wide																	
18XXHR500	R2	7.162"	7.042"	5 1/2"	7 7/8"	18	11	6 3/32"	5 13/16"	4 7/8"	0	15/16"	5 3/8"	7/8"	4"	9/32"	29.0
20XXHR500	R2	7.958	7.838	6	8 11/16	20	11	6 3/32	5 13/16	4 7/8	0	15/16	5 3/8	7/8	4	9/32	39.9
22XXHR500	R2	8.753	8.633	6 3/4	9 1/2	22	11	6 3/32	5 13/16	4 7/8	0	15/16	5 3/8	7/8	4	9/32	51.5
24XXHR500	R2	9.549	9.429	7 1/2	10 5/16	24	12	6 3/32	5 13/16	4 7/8	0	15/16	5 3/8	7/8	4	9/32	61.5
26XXHR500	R2	10.345	10.225	8 1/4	11 1/16	26	12	6 3/32	5 13/16	4 7/8	0	15/16	5 3/8	7/8	4	9/32	73.0
30XXHR500	R2	11.937	11.817	9 7/8	12 11/16	30	12	6 3/32	5 13/16	4 7/8	0	15/16	5 3/8	7/8	4	9/32	69.0
34XXHS500	S1	13.528	13.408	11 1/4	14 1/4	34	12	6 3/16	5 13/16	4 3/8	0	1 7/16	6 3/8	1 1/16	3 5/16	3/8	92.0
40XXHS500	S1	15.915	15.795	13 5/8	16 5/8	40	12	6 3/16	5 13/16	4 3/8	0	1 7/16	6 3/8	1 1/16	3 5/16	3/8	115
48XXHU500	U1	19.099	18.979	16 13/16	—	48	14	7 11/16	5 13/16	7 1/8	1 19/32"	3/32	8 3/8	1 1/2	5 5/8	15/32	174
60XXHU500	U1	23.873	23.753	21 5/8	—	60	14	7 11/16	5 13/16	7 1/8	1 19/32	3/32	8 3/8	1 1/2	5 5/8	15/32	204
72XXHU500	U1	28.648	28.528	26 3/8	—	72	14	7 11/16	5 13/16	7 1/8	1 19/32	3/32	8 3/8	1 1/2	5 5/8	15/32	247
90XXHU500	U1	35.810	35.690	33 1/2	—	90	14	7 11/16	5 13/16	7 1/8	1 19/32	3/32	8 3/8	1 1/2	5 5/8	15/32	308

Bore Range

Table No. 2

Bushing	Bore Range
R1	1 1/8" to 3 3/4"
R2	1 3/8 to 3 5/8
S1	1 11/16 to 4 1/4
U1	2 3/8 to 5 1/2

Standard Keyseats

Table No. 3

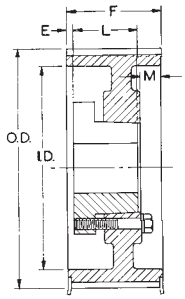
Bore Range	Keyseat
1 1/8" to 1 1/4	1/4" x 1/8"
1 5/16 & 1 3/8	5/16 x 5/32
1 7/16 to 1 3/4	3/8 x 3/16
1 13/16 to 2 1/4	1/2 x 1/4
2 5/16 to 2 3/4	5/8 x 5/16
2 13/16 to 3 1/4	3/4 x 3/8
3 3/8 to 3 3/4	7/8 x 7/16
3 7/8 to 4 1/2	1 x 1/2
4 5/8 to 5 1/2	1 1/4 x 5/8

1 3/8" Bore Bushings (except R2) also available with 3/8" x 3/16" Keyseat.

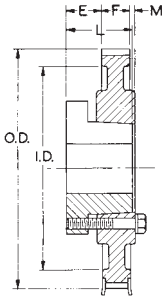
Stock "XXH", 1 1/4" Pitch Gearbelts

Table No. 4

Pitch Length	No. Teeth	2" Wide		3" Wide		4" Wide		5" Wide	
		Part No.	Wt. Lbs.	Part No.	Wt. Lbs.	Part No.	Wt. Lbs.	Part No.	Wt. Lbs.
70.0"	56	**700XXH200**	3.8	**700XXH300**	4.7	**700XXH400**	6.9	**700XXH500**	6.8
80.0	64	**800XXH200**	3.7	**800XXH300**	5.6	**800XXH400**	7.1	**800XXH500**	11.0
90.0	72	**900XXH200**	4.8	**900XXH300**	5.8	**900XXH400**	8.4	**900XXH500**	11.5
100.0	80	**1000XXH200**	4.9	**1000XXH300**	7.1	**1000XXH400**	9.5	**1000XXH500**	10.0
120.0	96	**1200XXH200**	6.0	**1200XXH300**	10.0	**1200XXH400**	12.9	**1200XXH500**	16.0
140.0	112	**1400XXH200**	7.5	**1400XXH300**	11.0	**1400XXH400**	15.0	**1400XXH500**	18.5
160.0	128	**1600XXH200**	8.7	**1600XXH300**	12.0	**1600XXH400**	17.1	**1600XXH500**	20.8
180.0	144	**1800XXH200**	9.3	**1800XXH300**	13.4	**1800XXH400**	17.4	**1800XXH500**	21.9



TYPE A



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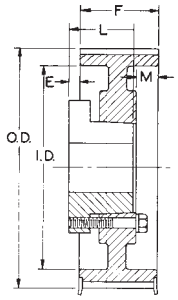


TYPE D

Standard Keyseats

Table No. 2

Bore Range	Keyseat
1 1/8" to 1 1/4	1/4" x 1/8"
1 5/16 & 1 3/8	5/16 x 5/32
1 7/16 to 1 3/4	3/8 x 3/16
1 13/16 to 2 1/4	1/2 x 1/4
2 5/16 to 2 3/4	5/8 x 5/16
2 13/16 to 3 1/4	3/4 x 3/8
3 3/8 to 3 3/4	7/8 x 7/16
3 7/8 to 4 1/2	1 x 1/2
4 5/8 to 5 1/2	1 1/4 x 5/8

1 3/8" Bore Bushings also available with 3/8" x 3/16" Keyseat.

Table No. 1

Specifications — Gearbelt® Pulleys with Q-D® Bushings

Part No.	Bushing	Bore Range	Type	Number of Grooves	Diameters				Dimensions			Wt. Less Bush.
					Pitch	Flange	O.D.	I.D.	E	L	M	
For XXH200 Belts, 1 1/4" Pitch, 2" Wide, F = 2 5/8"												
18XXH200SK	SK	1/2" - 2 5/8"	D1F	18	7.162"	7 7/8"	7.042"	5 1/2"	3/32"	1 15/16"	11/16"	12
20XXH200SK	SK	1/2" - 2 5/8"	D1F	20	7.958	8 11/16	7.838	6	3/32"	1 15/16	11/16	16
22XXH200E	E	7/8 - 3 1/2	D1F	22	8.753	9 1/2	8.633	6 3/4	21/32	2 3/4	1/2	24
24XXH200E	E	7/8 - 3 1/2	D1F	24	9.549	10 5/16	9.429	7 1/2	21/32	2 3/4	1/2	29
26XXH200E	E	7/8 - 3 1/2	D2F	26	10.345	11 1/16	10.225	8 1/4	21/32	2 3/4	1/2	32
30XXH200F	F	1 - 4	D2F	30	11.937	12 11/16	11.817	9 7/8	1 9/32	3 3/4	1/16	47
34XXH200F	F	1 - 4	D2F	34	13.528	14 1/4	13.408	11 1/4	1 9/32	3 3/4	1/16	56
40XXH200F	F	1 - 4	D3F	40	15.915	16 5/8	15.795	13 5/8	1 9/32	3 3/4	1/16	60
48XXH200J	J	1 1/2 - 4 1/2	C3	48	19.099	—	18.979	16 13/16	1 13/16	4 5/8	9/32	81
60XXH200J	J	1 1/2 - 4 1/2	C3	60	23.873	—	23.753	21 5/8	1 13/16	4 5/8	9/32	89
72XXH200J	J	1 1/2 - 4 1/2	C3	72	28.648	—	28.528	26 3/8	1 13/16	4 5/8	9/32	106
90XXH200J	J	1 1/2 - 4 1/2	C3	90	35.810	—	35.690	33 1/2	1 13/16	4 5/8	9/32	130
For XXH300 Belts, 1 1/4" Pitch, 3 Wide, F = 3 11/16"												
18XXH300SF	SF	1/2" - 2 15/16"	A1F	18	7.162"	7 7/8"	7.042"	5 1/2"	17/32"	2 1/16"	1 1/16"	18
20XXH300SF	SF	1/2 - 2 15/16	A1F	20	7.958	8 11/16	7.838	6	17/32	2 1/16	1 1/16	22
22XXH300E	E	7/8 - 3 1/2	D1F	22	8.753	9 1/2	8.633	6 3/4	1/8	2 3/4	1 1/32	30
24XXH300E	E	7/8 - 3 1/2	D2F	24	9.549	10 5/16	9.429	7 1/2	1/8	2 3/4	1 1/32	36
26XXH300E	E	7/8 - 3 1/2	D2F	26	10.345	11 1/16	10.225	8 1/4	1/8	2 3/4	1 1/32	40
30XXH300F	F	1 - 4	D2F	30	11.937	12 11/16	11.817	9 7/8	3/4	3 3/4	19/32	57
34XXH300F	F	1 - 4	D2F	34	13.528	14 1/4	13.408	11 1/4	3/4	3 3/4	19/32	67
40XXH300F	F	1 - 4	D3F	40	15.915	16 5/8	15.795	13 5/8	3/4	3 3/4	19/32	75
48XXH300J	J	1 1/2 - 4 1/2	D3	48	19.099	—	18.979	16 13/16	1 3/16	4 5/8	1/4	102
60XXH300J	J	1 1/2 - 4 1/2	D3	60	23.873	—	23.753	21 5/8	1 3/16	4 5/8	1/4	108
72XXH300J	J	1 1/2 - 4 1/2	D3	72	28.648	—	28.528	26 3/8	1 3/16	4 5/8	1/4	127
90XXH300J	J	1 1/2 - 4 1/2	D3	90	35.810	—	35.690	33 1/2	1 3/16	4 5/8	1/4	156
For XXH400 Belts, 1 1/4" Pitch, 4" Wide, F = 4 3/4"												
18XXH400SF	SF	1/2" - 2 15/16"	A1F	18	7.162"	7 7/8"	7.042"	5 1/2"	17/32"	2 1/16"	2 1/8"	25
20XXH400SF	SF	1/2 - 2 15/16	A1F	20	7.958	8 11/16	7.838	6	17/32	2 1/16	2 1/8	30
22XXH400E	E	7/8 - 3 1/2	A1F	22	8.753	9 1/2	8.633	6 3/4	13/22	2 3/4	1 9/16	36
24XXH400E	E	7/8 - 3 1/2	A2F	24	9.549	10 15/16	9.429	7 1/2	13/22	2 3/4	1 9/16	44
26XXH400F	F	1 - 4	D1F	26	10.345	11 1/16	10.225	8 1/4	7/32	3 3/4	1 1/8	56
30XXH400F	F	1 - 4	D2F	30	11.937	12 11/16	11.817	9 7/8	7/32	3 3/4	1 1/8	66
34XXH400J	J	1 1/2 - 4 1/2	D2F	34	13.528	14 1/4	13.408	11 1/4	21/32	4 5/8	25/32	84
40XXH400J	J	1 1/2 - 4 1/2	D3F	40	15.915	16 5/8	15.795	13 5/8	21/32	4 5/8	25/32	94
48XXH400J	J	1 1/2 - 4 1/2	D3	48	19.099	—	18.979	16 13/16	21/32	4 5/8	25/32	120
60XXH400M	M	2 - 5 1/2	C3	60	23.873	—	23.753	21 5/8	1 13/16	6 3/4	7/32	161
72XXH400M	M	2 - 5 1/2	C3	72	28.648	—	28.528	26 3/8	1 13/16	6 3/4	7/32	200
90XXH400M	M	2 - 5 1/2	C3	90	35.810	—	35.690	33 1/2	1 13/16	6 3/4	7/32	247
For XXH500 Belts, 1 1/4" Pitch, 5" Wide, F = 5 13/16"												
22XXH500E	E	7/8" - 3 1/2"	A1F	22	8.753"	9 1/2"	8.633"	6 3/4	15/16"	2 3/4"	2 3/32"	42
24XXH500F	F	1 - 4	A2F	24	9.549	10 5/16	9.429	7 1/2	15/16	3 3/4	1 21/32	54
26XXH500F	F	1 - 4	A2F	26	10.345	11 1/16	10.225	8 1/4	15/16	3 3/4	1 21/32	64
30XXH500J	J	1 1/2 - 4 1/2	D2F	30	11.937	12 11/16	11.817	9 7/8	1/8	4 5/8	1 5/16	89
34XXH500J	J	1 1/2 - 4 1/2	D2F	34	13.528	14 1/4	13.408	11 1/4	1/8	4 5/8	1 5/16	95
40XXH500J	J	1 1/2 - 4 1/2	D3F	40	15.915	16 5/8	15.795	13 5/8	1/8	4 5/8	1 5/16	107
48XXH500M	M	2 - 5 1/2	D3	48	19.099	—	18.979	16 13/16	1 9/32	6 3/4	5/16	171
60XXH500M	M	2 - 5 1/2	D3	60	23.873	—	23.753	21 5/8	1 9/32	6 3/4	5/16	186
72XXH500M	M	2 - 5 1/2	D3	72	28.648	—	28.528	26 3/8	1 9/32	6 3/4	5/16	222
90XXH500M	M	2 - 5 1/2	D3	90	35.810	—	35.690	33 1/2	1 9/32	6 3/4	5/16	281

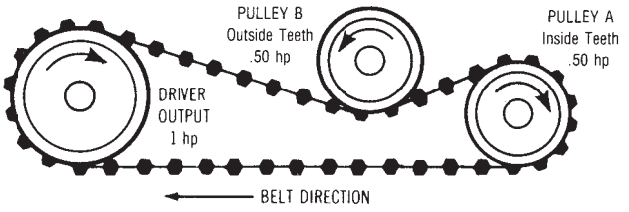
NOTE — Numerals in Type Designations mean: 1 = Solid, 2 = Web, and 3 = Arm Construction; F = Flanged Pulley.

BROWNING® Gearbelt® belts can work just like gears. Double Gearbelts with teeth on both sides will give an infinite variety of design solutions for changing shaft rotations and serpentine drives. Their versatility is limited only by the designers' ingenuity.

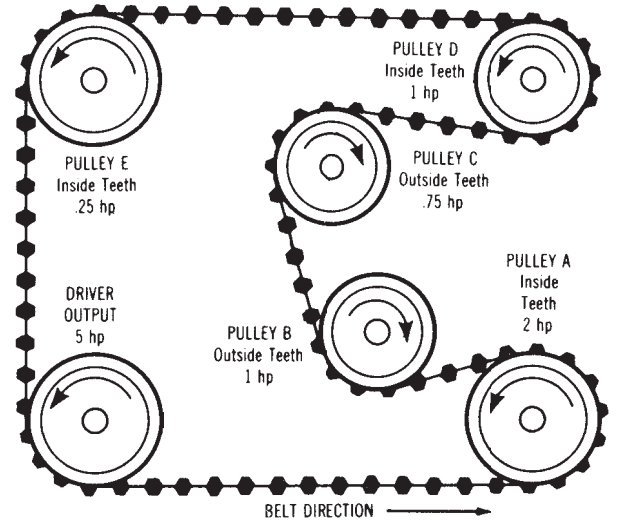
Made with exactly accurate teeth on both sides of the belt, plus low stretch cords, a smooth belt and pulley mesh are maintained through the life of the drive. Resistance to oil, ozone and abrasion helps prolong life and add application possibilities. They will run on all stock Gearbelt® Pulleys.

For design purposes use basic Gearbelt® drive engineering data on pages E-19 to E-22**. In determining horsepower capacities two points are important.**

1. **The outside teeth will carry full horsepower ratings for standard Gearbelt belts.**
2. **The driven load total of all pulleys in a drive must not exceed the catalog rating for the driver pulley in a specific drive.**



For example: assuming the drive pulley and belt are capable of transmitting 1 horsepower; .50 hp can be transmitted from the inside teeth to pulley (A) and .50 hp can be transmitted by the outside teeth to pulley (B) for a total of 1 hp, the rated capacity of the driver pulley



In this example showing one driver pulley and five driven pulleys, a total of 5 horsepower is transmitted by the driver as follows: The in¬side teeth meshing with pulley (A) transmit 2 hp. The outside (or back¬side) teeth transmit 1 hp to pulley (B) and .75 hp to pulley (C). Driving with the inside teeth the belt transmits 1 hp to pulley (D) and .25 hp to pulley (E).

Stock Pitch Length and Width Availability

Table No. 1

1/5" PITCH BELT NUMBERS				
D60XL	D110XL	D160XL	D210XL	
D70XL	D120XL	D170XL	D220XL	
D80XL	D130XL	D180XL	D230XL	3 Standard Widths
D90XL	D140XL	D190XL	D240XL	1/4 inch = 025*
D100XL	D150XL	D200XL	D250XL	5/16 inch = 031*
			D260XL	3/8 inch = 037▲

3/8" PITCH BELT NUMBERS				
D124L	D240L	D322L	D450L	
D150L	D255L	D345L	D480L	3 Standard Widths
D187L	D270L	D367L	D510L	1/2 inch = 050▲
D210L	D285L	D390L	D540L	3/4 inch = 075*
D225L	D300L	D420L	D600L	1 inch = 100▲

1/2" PITCH BELT NUMBERS				
D240H	D420H	D600H	D850H	
D270H	D450H	D630H	D900H	5 Standard Widths
D300H	D480H	D660H	D1000H	3/4 inch = 075*
D330H	D510H	D700H	D1100H	1 inch = 100▲
D360H	D540H	D750H	D1250H	1 - 1/2 inches = 150*
D390H	D570H	D800H	D1400H	2 inches = 200*
			D1700H	3 inches = 300*

NOTE — Complete Belt number by adding width suffix, for, example, D240H075.
▲These widths are carried in stock in all lengths shown.
*Available on special order in total widths of 25". For example, D240H075 is available in multiples of 33 belts (25" ÷.75" = 33).

DESIGN AND INSTALLATION SUGGESTIONS

Browning® Gearbelt® Drives can help provide excellent results but will not correct unsatisfactory drive conditions or faulty installations. Experience has shown that most drive requirements are covered by stock pulleys as listed on pages E-3 to E-18 and in pre-calculated drives shown in drive tables on pages E-26 to E-68. Even when drives cannot be selected from these drive tables they are still fairly simple to calculate, install and operate. Do not make them complicated. If you have any trouble making drive selection, refer your problem to the Browning Engineers for prompt service.

Regardless of whether drives can be selected from drive tables or have to be calculated using data from pages E21-E25 there are certain precautions to be taken in design and installation.

1. Drives should always be designed with ample horsepower. Use of overload service factors on page E-21 is of paramount importance.

2. Small pulley should not be smaller than shown in table 2, page E-22 and, as a rule, a drive designed to full rated capacity of the belt should not have a pulley diameter less than the width of the belt, even though the pulley is within the acceptable range shown in this table.

3. In order to deliver the rated horsepower a belt must have six or more teeth meshed in the grooves of the small pulley. The number of teeth in mesh, when 5 or less, is shown after each center distance in the drive tables, pages E-26 to E-68or may be determined by solution of formula on page E-22.

4. Because of a slight side thrust of Gearbelt belts in motion at least one pulley in the drive must be flanged. When the center distance between the shafts is 8 or more times the diameter of the small pulley or when the drive is operating on vertical shafts both pulleys should be flanged.

5. Belt speed should not exceed 6000 feet per minute.

See Page E-23 for selection example.

The following precautions should be taken when installing a Gearbelt drive:

1. Gearbelt drives should be installed with a snug fit, neither too tight nor too loose. High initial tension is not necessary but when torque is unusually high a loose belt may “jump grooves.” In such case, the tension should be increased gradually until satisfactory operation is attained.
2. Be sure that shafts are parallel and pulleys are in alignment. On a long center drive, because of the tendency for the belt to run against one flange, it is sometimes advisable to offset the driven pulley to compensate.
3. On a long center drive, it is imperative that belt sag is not enough to permit teeth in the slack side to engage the teeth of the tight side.
4. It is important that both driver and driven units are mounted rigidly to prevent variation in belt tension.
5. Although belt tension generally requires little attention after initial installation, provision should be made for some center distance adjustment for ease in installing and removing belt. Do not force belt over flange of pulley.

CAUTION — Install guards according to applicable local and national codes.

EFFECTIVE BELT WIDTHS

Table No. 1

Belt Pitch	ACTUAL BELT WIDTHS IN INCHES																		
	1/4	5/16	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8	10	12	14
	EFFECTIVE BELT WIDTHS																		
XL	.15	.21	.28	.42	.57	.71	1.00	1.29	1.56	—	—	—	—	—	—	—	—	—	—
L	—	—	.28	.42	.57	.71	1.00	1.29	1.56	2.14	2.72	3.36	—	—	—	—	—	—	—
H	—	—	—	.42	.57	.71	1.00	1.29	1.56	2.14	2.72	3.36	4.76	6.16	7.50	10.32	—	—	—
XH	—	—	—	—	—	—	1.00	1.29	1.56	2.14	2.72	3.36	4.76	6.15	7.50	10.32	13.10	15.84	18.62
XXH	—	—	—	—	—	—	1.00	1.29	1.56	2.14	2.72	3.36	4.76	6.15	7.50	10.32	13.10	15.84	18.62

Due to the cord location in Gearbelts, Horsepower does not vary directly with belt widths. To find horsepower capacity of a belt other than 1" wide, multiply the ratings from page E-24 and E-25 by the Effective Belt Width from the table above.

OVERLOAD SERVICE FACTORS

BASIC SERVICE FACTORS

To find a basic service factor: First, determine the class of the driver (prime mover) in Table 1. Then, determine the basic service factor for the application in Table 3 - in the same class as the driver.

NORMAL RATING

To find the Normal Rating for a drive multiply the driver horsepower by the Basic Service Factor.

TABLE No. 1

Driver (prime mover)

Class of Driver	Class I	Class II	Class III
Momentary Peak Load, % of Rated Load	149%	150 to 249%	250 to 400%
A-C ELECTRONIC MOTORS Single Phase			All
Squirrel Cage NEMA Design A			
3600 rpm	40 hp up	1 1/2 thru 30 hp	
1800 rpm	100 hp up	5 thru 75 hp	1 thru 3 hp
1200 rpm	15 hp up	3/4 thru 10 hp	
900 rpm	5 hp up	1/2 thru 3 hp	
NEMA Design B			
3600 rpm		5 hp up	1 1/2 thru 3 hp
1800 rpm		5 hp up	1 thru 3 hp
1200 rpm		5 hp up	3/4 thru 3 hp
900 rpm		2 hp up	1/2 thru 1 1/2 hp
NEMA Design C			
1800 rpm		15 hp up	5 thru 10 hp
1200rpm		7 1/2 hp up	3 and 5 hp
900 rpm		All	
NEMA Design D			All
NEMA Design F	All		
Wound Rotor			
1800 rpm		20 hp	2 to 15 hp
1200 rpm		15 hp	2 to 10 hp
900 rpm		7 1/2 hp	1 to 5 hp
Synchronous		Normal Torque	High Torque
D-C ELECTRIC MOTORS	Shunt	Compound	Series
ENGINES—Internal Combustion	8 Cyl. Up	6 Cyl.	4Cyl., or less
HYDRAULIC MOTORS, LINE SHAFTS			All

Table No. 2

Additional service factors For speed-up drives

For speed-up drives, add to the basic service factor the additional factor given at right:

Speed-up Ratio Range	Add'l Factor
1 to 1.24	None
1.25 to 1.74	.10
1.75 to 2.49	.20
2.50 to 3.49	.30
3.50 & Over	.40

For unusual conditions

For 24-hour continuous operation and/or use of an idler, add 0.2 to basic service factor. For intermittent or seasonal operation, deduct 0.2 from the basic service factor.

Additional service factors are required for unusual conditions such as load reversal, heavy shock, plugged motor stop, electric brake. These should be determined by a transmission specialist.

Table No. 3

Basic Service Factors of Driven Machines

Driven Machines		Drivers Class I	Class II	Class III
Agitators, Mixers	liquid	1.4	1.6	1.8
(paddle or propeller)	semiliquid	1.5	1.7	1.9
Bakery Machinery,	dough mixer	1.4	1.6	1.8
Brick And Clay Machinery				
	augers, mixers, granulators	1.5	1.7	1.9
	pug mills	1.8	2.0	2.2
Centrifuges		1.7	1.9	—
Compressors	reciprocating	2.0	2.2	2.4
	centrifugal	1.6	1.7	1.8
Conveyors	belt light package;	1.3	1.5	1.7
	oven belt: ore, coal sand	1.6	1.7	1.8
	apron, bucket, elevator, pan	1.7	1.8	1.9
	flight, screw	1.7	1.9	2.0
Fans, Blowers				
centrifugal, induced draft exhausters		1.6	1.8	2.0
propeller, mine fans, positive blowers		1.8	2.0	2.2
Generators and Exciters		1.6	1.8	2.0
Hammer Mills		1.7	1.9	2.1
Hoists, Elevators		1.6	1.8	2.0
Laundry Machinery	general	1.5	1.6	1.7
	extractors, washers	1.6	1.8	2.0
Line Shafts		1.5	1.7	1.9
Machine Tools				
	drill presses, lathes, screw machines	1.4	1.6	1.8
	boring mills, grinders	1.5	1.7	1.9
	milling machines, shapers	1.5	1.7	1.9
Mills	ball, rod, pebble, etc.	—	2.2	2.5
Paper Machinery				
	agitators, calendars, dryers	1.4	1.6	1.8
	beaters, jordans, Nash pumps, pulpers	1.7	1.9	2.1
Printing machinery				
	presses: newspaper, rotary, embossing, flat bed, magazine; linotype machines; cutters; folders	1.4	1.6	1.8
Pumps				
	centrifugal, gear, rotary, pipeline	1.5	1.7	1.9
	reciprocating	2.0	2.2	2.4
Rubber Plant Machinery		1.6	1.8	2.0
Saw Mill Machinery		1.6	1.8	2.0
Screens	vibrating (shakers)	1.5	1.7	—
	drum, conical	1.4	1.5	—
Textile Machinery				
	looms, spinning frames, twisters	1.6	1.8	2.0
	warpers, reels	1.5	1.7	—
Woodworking Machinery				
	lathes, band saws	1.3	1.4	—
	jointers, circular saws, planers	1.4	1.6	—
Worm Gear Speed Reducers				
	input side	1.3	1.3	—

Tentative Gearbelt® Drives Pitch Selection Chart

Table No. 1

H.P.	Nominal Motor Speed				
	3500	1750	1160	870	700
1/12	XL	XL	XL or L	XL or L	—
1/8	XL	XL or L	L	L	—
1/6	XL or L	L	L	L	—
1/4	XL or L	L	L	L	—
1/3	L	L	L	L	—
1/2	L	L	L	L or H	—
3/4	L	L or H	L or H	L or H	—
1	L	L or H	L or H	L or H	H
2	L	L or H	L or H	H	H
3	L or H	L or H	H	H	H
5	H	H	H	H	H or XH
7 1/2	H	H	H	H or XH	H or XH
10	H	H or XH	H or XH	H or XH	H or XH
15	H	H or XH	H or XH	H or XH	XH
20	H	H or XH	H or XH	XH	XH
25	H or XH	H or XH	XH	XH	XH
30	H or XH	H or XH	XH	XH	XH or XXH
40	H or XH	XH	XH	XH or XXH	XH or XXH
50	H or XH	XH	XH or XXH	XH or XXH	XH or XXH
60	XH	XH	XH or XXH	XH or XXH	XXH
75	XH	XH or XXH	XH or XXH	XXH	XXH
100 Up	XH	XH or XXH	XXH	XXH	XXH

Above table is for tentative pitch selection. Final selection depends on other factors peculiar to specific drive conditions.

Minimum Pulley Diameters

Table No. 2

Pitch	R.P.M.	SUGGESTED★ MINUMUM	
		No. Grooves	Pitch Diameters
XL	3500	12	.764″
	1750	11	.700
	1160	10	.637
	870	10	.637
L	3500	16	1.910
	1750	14	1.671
	1160	12	1.432
	870	12	1.432
H	3500	20	3.183
	1750	18	2.865
	1160	16	2.546
	870	14	2.228
XH	1750	26	7.241
	1160	24	6.685
	870	22	6.127
	700	22	6.127
XXH	1750	26	10.345
	1160	24	9.549
	870	22	8.753
	700	22	8.753

★Smaller pulleys than shown under "Suggested Minimum" may be used if a corresponding reduction in belt life is satisfactory. Use of pulleys smaller than those shown will be at customers' own responsibility for performance and belt life.

TEETH IN MESH

When six or more teeth in a Gearbelt are in mesh with the mating pulley, the Gearbelt will deliver (at a given speed) its rated horsepower as shown in tables on Pages E-24-E-25. When the number of teeth in mesh (TIM) is 5 or less multiply the horsepower shown in tables on Pages 24 and 25 by the following factor:

TIM	Factor
5	.8
4	.6
3	.4
2	.2

The number of teeth in mesh (when 5 or less) is shown after the center distances in the drive tables on Pages E-26-E-68, but the number of teeth in mesh for pulley combinations not shown in the drive tables may be found as follows:

$$TIM = \frac{180 - \frac{(D-d)57}{C}}{360} \times N$$

Where D = Pitch Diameter of Large Pulley
d = Pitch Diameter of Small Pulley
C = Center Distance
N = Number of grooves in Small Pulley

CENTER DISTANCE FORMULAE

Most center distances can be easily obtained from Drive Tables, Pages E-26-E-68, inclusive. If pulley diameters in drive are not shown in combination in Drive Tables, center distance can still be accurately obtained by interpolation.

The following formulae are sufficiently accurate to obtain center distances for the conditions indicated.

C1—Center Distance—Low Ratios and Long Centers.
C2—Center Distance—Medium Ratios and Medium Centers.
C3—Center Distance—High Ratios and Short Centers.
D—Pitch Diameter—Large Pulley.
d—Pitch Diameter—Small Pulley.
L—Pitch Length of Belt.

FORMULA No. 1

For Low Ratios and Long Centers.

$$C1 = \frac{L - 1.57(D+d)}{2}$$

FORMULA No. 2

For Medium Ratios and Medium Centers.

a. Solve Formula No. 1.
b. Solve the following, using "C1" obtained from step "a":

$$C2 = C1 - \frac{(D-d)^2}{8C1}$$

FORMULA No. 3

For High Ratios and Short Centers.

a. Solve Formula No. 1.
b. Solve Formula No. 2.
c. Solve the following, using "C1" obtained from step "a" and "C2" obtained from step "b":

$$C3 = C1 - \frac{(D-d)^2}{8C2}$$

FORMULA No. 4

$$L = 2C + 1.57(D+d) + \frac{(D-d)^2}{4C}$$

EXAMPLE

A drive is desired for a 60 H.P., 870 R.P.M. normal torque squirrel cage motor to drive a Line Shaft at approximately 290 R.P.M. on approximately 48" centers. Motor shaft is 2 7/8" diameter with 3/4" x 3/8" keyseat. Driven shaft is 4" diameter with 1" x 1/2" keyseat. Drive will operate approximately 8 hours per day.

Note - This drive can be selected from Table No 1, Page E-68. A portion of this table has been reproduced below to illustrate the use of drive tables.

1. **Determine tentative pitch to use.**
   From Table No. 1 page E-22 note that "XXH" pitch is recommended.
2. **Determine the normal rating of the drive.**
   Note from Table No.1, Page E-21 that the motor is considered a Class I Driver and from Table No. 3, page E-21, that a line shaft driven by a Class I Driver requires a 1.5 Service Factor.
   1.5 x 60 = 90 H.P. Normal Rating.
3. **Determine pulley combination to use.**
   In the table below, under heading "870 R.P.M. Motor", find nominal driven speed nearest 290 which is 290 (3a). Reading to the left, note that the pulley combination is 24 and 72 groove (3b).
4. **Check minimum pulley diameter.**
   Note from Table No. 2, Page E-22 that a 24 groove pulley is above the recommended minimum.
5. **Determine belt length and center distance.**
   Reading to the right of chosen pulley combination under "Nominal Center Distance", find center distance nearest 48" which is 49.1" (5a). Reading upward, note that a "1600XXH" belt is required (5b). This part number must be completed by adding the width later.
6. **Check the number of teeth in mesh to see if further horsepower adjustment is necessary.**
   When horsepower adjustment is necessary because of the smaller number of teeth in mesh, the center distance shown in the drive tables is followed by a small number in a circle. Rechecking this center distance (5a), note that there is no small number, therefore, no further adjustment is necessary.
7. **Determine the belt width required.**
   Divide the normal rating (Step No. 2) by the horsepower per inch of belt width for this pulley combination. Under the "870 R.P.M. Motor" column, note that the H.P. for a one inch wide belt is 14.70 (7a).

   $$\frac{90}{14.70} = 6.12 \text{ Effective Belt Width}$$

   Note from Table at bottom page E-68 that the next higher Effective Width is 6.15 and the Actual Belt Width is 5".
   Use 1600XXH500 Belt.
8. **List drive components.**
   1, "24XXH500F" x F—2 7/8" Gearbelt Pulley
   1, "72XXH500M" x M--4" Gearbelt Pulley
   1, "1600XXH500" Gearbelt

Pulley Combination					Available Belt Widths				Driven Speeds and Horsepower for 1" Wide Belt						Nominal Center Distances Using Browning Gearbelts							
Nominal Ratio	Driver		Driven						1750 RPM Motor		1160 RPM Motor		870 RPM Motor									
	Number Grooves	Pitch Dia.	Number Grooves	Pitch Dia.	200	300	400	500	Driven Speed	HP for 1" Belt	Driven Speed	HP for 1" Belt	Driven Speed	HP for 1" Belt	700 XXH	800 XXH	900 XXH	1000 XXH	1200 XXH	1400 XXH	1600 XXH	1800 XXH
1.89	18	7.162	34	13.528	x	x	x	x	926	*20.77	614	*14.69	461	*11.26	18.5	23.5	28.6	33.6	43.6	53.7	63.7	73.7
2.00	20	7.958	40	15.915	x	x	x	x	875	*22.42	580	*16.14	435	*12.43	15.8	20.9	26.0	31.0	41.1	51.1	61.1	71.1
2.00	24	9.549	48	19.099	x	x	x	x	875	*25.10	580	18.84	435	14.69	—	16.8	22.0	27.1	37.2	47.3	57.3	67.3
2.00	30	11.937	60	23.873	x	x	x	x	875	27.21	580	22.33	435	17.86	—	—	—	21.0	31.3	41.5	51.5	61.6
2.12	34	13.528	72	28.648	x	x	x	x	826	—	548	24.23	411	19.78	—	—	—	—	25.8	36.1	46.3	56.4
2.18	22	8.754	48	19.099	x	x	x	x	802	*23.87	532	*17.52	399	13.58	—	17.4	22.5	27.7	37.8	47.9	57.9	67.9
2.22	18	7.162	40	15.915	x	x	x	x	788	*20.77	522	*14.69	392	*11.26	16.3	21.4	26.5	31.6	41.7	51.7	61.7	71.8
2.25	40	15.915	90	35.810	x	x	x	x	778	—	516	26.28	387	22.33	—	—	—	—	—	27.6	38.1	48.4
2.31	26	10.345	60	23.873	x	x	x	x	758	26.08	503	20.08	377	15.78	—	—	—	22.1	32.4	42.6	52.7	62.8
2.40	20	7.958	48	19.099	x	x	x	x	729	*22.42	483	*16.14	363	*12.43	—	17.9	23.1	28.2	38.4	48.4	58.5	68.5
2.40	30	11.937	72	28.648	x	x	x	x	729	27.21	483	22.33	363	17.86	—	—	—	—	26.8	37.2	47.4	57.5
2.50	24	9.549	60	23.873	x	x	x	x	700	*25.10	464	18.84	348	14.69	—	—	—	22.6	33.0	43.2	53.3	63.4
2.65	34	13.528	90	35.810	x	x	x	x	661	—	438	24.23	329	19.78	—	—	—	—	—	29.2	39.7	50.0
2.67	18	7.162	48	19.099	x	x	x	x	656	*20.77	435	*14.69	326	11.26	—	18.4	23.6	28.8	38.9	49.0	59.1	69.1
2.73	22	8.754	60	23.873	x	x	x	x	642	*23.87	425	*17.52	319	13.58	—	—	17.8	23.2	33.5	43.7	53.9	63.9
2.77	26	10.345	72	28.648	x	x	x	x	632	26.08	419	20.08	314	15.78	—	—	—	—	27.9	38.3	48.5	58.7
3.00	20	7.958	60	23.873	x	x	x	x	583	*22.42	387	*16.14	290	*12.43	—	—	18.3	23.7	34.1	44.3	54.4	64.5
3.00	24	9.549	72	28.648	x	x	x	x	583	*25.10	387	18.84	290	14.69	—	—	—	—	28.4	38.8	49.1	59.2
3.00	30	11.937	90	35.810	x	x	x	x	583	27.21	387	22.33	290	17.86	—	—	—	—	—	30.2	40.6	51.1
3.27	22	8.754	72	28.648	x	x	x	x	535	*23.87	354	*17.52	266	13.58	—	—	—	—	28.9	39.4	49.6	59.8
3.33	18	7.162	60	23.873	x	x	x	x	525	*20.77	348	*14.69	261	*11.26	—	—	18.8	24.2	34.6	44.9	55.0	65.1
3.46	26	10.345	90	35.810	x	x	x	x	506	26.08	335	20.08	251	15.78	—	—	—	—	—	31.2	41.8	52.2
3.60	20	7.958	72	28.648	x	x	x	x	486	*22.42	322	*16.14	242	*12.43	—	—	—	—	29.5	39.9	50.2	60.4
3.75	24	9.549	90	35.810	x	x	x	x	467	*25.10	309	18.84	232	14.69	—	—	—	—	—	31.7	42.4	52.8
4.00	18	7.162	72	28.648	x	x	x	x	438	*20.77	290	*14.69	218	*11.26	—	—	—	—	30.0	40.5	50.8	60.9
4.09	22	8.754	90	35.810	x	x	x	x	428	*23.87	284	*17.52	213	13.58	—	—	—	—	—	32.2	42.9	53.3
4.50	20	7.958	90	35.810	x	x	x	x	389	*22.42	258	*16.14	193	*12.43	—	—	—	—	—	32.7	43.4	53.8
5.00	18	7.162	90	35.810	x	x	x	x	350	*20.77	232	*14.69	174	*11.26	—	—	—	—	—	33.2	43.9	54.4

*This rating is for a pulley below the minimum recommended on page E-22 and, therefore, a reduction in belt life should be expected.

HORSEPOWER FOR ONE INCH WIDE BELT
" XL", 1/5" Pitch Gearbelt®

Table No. 1

R.P.M of Smaller Pulley	NUMBER OF GROOVES IN SMALLER PULLEY												
	10	11	12	14	15	16	18	20	21	22	24	28	30
870	.17	.19	.21	.25	.26	.29	.32	.36	.38	.39	.43	.49	.53
1160	.23	.26	.28	.33	.36	.38	.42	.46	.50	.52	.56	.66	.71
1750	.36	.39	.43	.50	.53	.58	.64	.72	.75	.79	.86	1.00	1.07
3500	.72	.79	.86	1.00	1.07	1.15	1.28	1.42	1.49	1.57	1.71	1.98	2.11
200	.04	.04	.05	.06	.06	.07	.07	.08	.08	.09	.10	.11	.12
400	.08	.09	.10	.11	.12	.13	.14	.16	.17	.17	.19	.23	.24
600	.12	.13	.14	.17	.18	.19	.22	.24	.26	.27	.29	.34	.37
800	.16	.17	.19	.23	.24	.26	30	.33	.34	.36	.40	.46	.49
1000	.20	.22	.24	.29	.31	.33	.37	.41	.43	.45	.49	.57	.62
1200	.24	.27	.29	.34	.37	.39	.44	.49	.52	.54	.59	.68	.74
1400	.28	.31	.34	.40	.43	.46	.52	.57	.60	.63	.69	.80	.86
1600	.33	.36	.40	.46	.49	.53	.59	.65	.69	.72	.79	.91	.98
1800	.37	.40	.44	.51	.55	.59	.66	.74	.77	.81	.88	1.03	1.10
2000	.41	.45	.49	.57	.62	.65	.74	.82	.86	.90	.98	1.15	1.23
2200	.45	.49	.54	.63	.68	.72	.81	.90	.94	.99	1.08	1.25	1.34
2400	.49	.54	.59	.68	.74	.79	.88	.98	1.03	1.07	1.18	1.37	1.46
2600	.53	.58	.64	.74	.80	.85	.96	1.06	1.12	1.17	1.25	1.48	1.58
2800	.57	.63	.69	.80	.86	.92	1.03	1.15	1.20	1.26	1.37	1.59	1.71
3000	.61	.67	.74	.86	.92	.98	1.10	1.23	1.28	1.34	1.46	1.71	1.82
3200	.65	.72	.79	.91	.98	1.05	1.18	1.30	1.37	1.43	1.56	1.81	1.94
3400	.69	.77	.83	.97	1.04	1.11	1.25	1.38	1.45	1.52	1.66	1.92	2.05
3600	.74	.81	.88	1.03	1.10	1.18	1.32	1.46	1.54	1.61	1.75	2.03	2.16
3800	.78	.83	.93	1.09	1.17	1.24	1.39	1.54	1.62	1.70	1.84	2.13	2.27
4000	.82	.90	.98	1.15	1.23	1.30	1.46	1.63	1.71	1.78	1.94	2.24	2.39
4200	.86	.94	1.03	1.20	1.28	1.37	1.53	1.71	1.78	1.86	2.03	2.35	2.50
4400	.90	.99	1.08	1.25	1.34	1.43	1.61	1.78	1.86	1.95	2.12	2.45	2.61
4600	.94	1.03	1.13	1.31	1.40	1.50	1.68	1.86	1.95	2.04	2.21	2.55	2.71
4800	.98	1.07	1.18	1.37	1.46	1.56	1.75	1.94	2.03	2.13	2.30	2.65	2.82
5000	1.02	1.12	1.23	1.42	1.52	1.63	1.82	2.01	2.11	2.20	2.39	2.75	2.92
5500	—	—	—	—	1.67	1.78	2.00	2.20	2.30	2.41	2.61	2.99	3.18
6000	—	—	—	—	1.82	1.94	2.16	2.39	2.50	2.61	2.82	3.23	3.41
6500	—	—	—	—	1.96	2.09	2.34	2.57	2.69	2.80	3.03	3.42	3.64
7000	—	—	—	—	2.11	2.24	2.50	2.75	2.87	2.99	3.23	3.65	3.84
7500	—	—	—	—	2.25	2.39	2.66	2.92	3.05	3.18	3.41	3.84	4.03
8000	—	—	—	—	—	—	2.82	3.10	3.23	3.34	3.59	4.02	4.21
8500	—	—	—	—	—	—	2.97	3.26	3.39	3.52	3.76	4.19	4.37
9000	—	—	—	—	—	—	3.13	3.41	3.55	3.68	3.92	4.34	4.51
9500	—	—	—	—	—	—	3.28	3.56	3.70	3.83	4.07	4.47	4.63
10000	—	—	—	—	—	—	3.41	3.71	3.84	3.97	4.21	4.59	4.72

HORSEPOWER FOR ONE INCH WIDE BELT
"L", 3/8" Pitch Gearbelts

Table No. 2

R.P.M. of Smaller Pulley	NUMBER OF GROOVES IN SMALLER PULLEY															
	10	12	14	16	18	20	22	24	26	28	30	32	36	40	44	48
870	.45	.54	.63	.73	.82	.91	1.00	1.08	1.17	1.26	1.35	1.44	1.61	1.79	1.96	2.14
1160	.60	.72	.85	.97	1.08	1.20	1.32	1.44	1.56	1.67	1.79	1.91	2.14	2.36	2.59	2.81
1750	.91	1.09	1.27	1.45	1.62	1.80	1.98	2.15	2.32	2.49	2.66	2.83	3.15	3.47	3.77	4.06
3500	1.80	2.15	2.49	2.83	3.15	3.46	3.77	4.06	4.35	4.61	4.86	5.10	5.52	5.87	6.12	6.27
200	.10	.13	.15	.17	.19	.21	.23	.25	.27	.29	.31	.33	.38	.42	.46	.50
400	.21	.25	.29	.33	.38	.42	.46	.50	.54	.58	.62	.67	.75	.83	.92	1.00
600	.31	.37	.44	.50	.56	.63	.69	.75	.81	.87	.94	1.00	1.12	1.24	1.36	1.49
800	.42	.50	.58	.67	.75	.83	.92	1.00	1.08	1.16	1.24	1.32	1.49	1.65	1.81	1.97
1000	.52	.62	.73	.83	.94	1.04	1.14	1.24	1.34	1.45	1.55	1.65	1.85	2.05	2.25	2.44
1200	.63	.75	.88	1.00	1.12	1.24	1.36	1.49	1.61	1.73	1.85	1.97	2.21	2.44	2.67	2.90
1400	.73	.87	1.02	1.16	1.30	1.45	1.59	1.73	1.87	2.01	2.15	2.29	2.56	2.82	3.09	3.34
1600	.83	1.00	1.16	1.32	1.49	1.65	1.81	1.97	2.13	2.28	2.44	2.60	2.90	3.20	3.48	3.76
1800	.93	1.12	1.30	1.49	1.67	1.85	2.03	2.21	2.38	2.56	2.73	2.90	3.23	3.55	3.86	4.16
2000	1.04	1.24	1.45	1.65	1.85	2.05	2.25	2.44	2.63	2.82	3.01	3.19	3.56	3.89	4.23	4.54
2200	1.14	1.36	1.59	1.81	2.03	2.25	2.46	2.67	2.88	3.08	3.28	3.49	3.86	4.23	4.57	4.89
2400	1.24	1.49	1.73	1.97	2.21	2.44	2.67	2.90	3.12	3.34	3.56	3.76	4.17	4.54	4.89	5.21
2600	1.35	1.61	1.87	2.13	2.38	2.63	2.88	3.12	3.36	3.59	3.81	4.03	4.44	4.83	5.17	5.48
2800	1.45	1.73	2.01	2.29	2.56	2.82	3.09	3.34	3.59	3.83	4.06	4.29	4.71	5.10	5.44	5.73
3000	1.55	1.85	2.15	2.44	2.73	3.01	3.29	3.55	3.81	4.06	4.30	4.54	4.97	5.35	5.68	5.94
3200	1.65	1.97	2.28	2.60	2.90	3.19	3.48	3.76	4.03	4.29	4.54	4.77	5.20	5.57	5.88	6.11
3400	1.75	2.09	2.42	2.75	3.07	3.37	3.67	3.97	4.24	4.50	4.76	4.99	5.42	5.78	6.05	6.23
3600	1.85	2.21	2.55	2.90	3.23	3.55	3.86	4.16	4.45	4.72	4.97	5.21	5.61	5.95	6.18	6.31
3800	—	—	2.69	3.03	3.40	3.73	4.05	4.35	4.64	4.91	5.16	5.40	5.79	6.09	6.27	6.33
4000	—	—	2.83	3.20	3.56	3.89	4.23	4.54	4.83	5.10	5.34	5.57	5.94	6.21	6.33	—
4200	—	—	—	3.34	3.72	4.06	4.40	4.72	5.01	5.28	5.52	5.74	6.08	6.28	6.35	—
4400	—	—	—	3.49	3.86	4.22	4.57	4.89	5.19	5.44	5.68	5.88	6.18	6.33	—	—
4600	—	—	—	3.63	4.01	4.38	4.73	5.05	5.34	5.59	5.82	6.01	6.26	6.35	—	—
4800	—	—	—	3.77	4.17	4.54	4.89	5.20	5.48	5.73	5.94	6.12	6.31	—	—	—
5000	—	—	—	3.91	4.31	4.68	5.04	5.35	5.63	5.86	6.06	6.20	6.34	—	—	—
5200	—	—	—	4.03	4.45	4.82	5.18	5.48	5.76	5.98	6.15	6.27	6.34	—	—	—
5400	—	—	—	4.17	4.59	4.96	5.31	5.61	5.88	6.07	6.23	6.32	—	—	—	—
5600	—	—	—	4.29	4.72	5.09	5.44	5.73	5.98	6.16	6.28	6.34	—	—	—	—
5800	—	—	—	4.42	4.84	5.22	5.57	5.84	6.07	6.23	6.32	6.34	—	—	—	—
6000	—	—	—	4.55	4.97	5.34	5.68	5.93	6.15	6.28	6.35	6.33	—	—	—	—

1. Ratings shown are for 1" wide belts; for other widths multiply by the Effective Belt Widths from Table No. 1, Page E-20

2. Ratings below heavy line are for pulleys below the Minimum Recommended Standard and reduction in belt life may be expected.

3. Ratings shown are for belt speeds of 6000 feet per minute or less. Drives which require higher belt speeds should be referred to the Browning Engineers.

Table No. 1 **HORSEPOWER FOR ONE INCH WIDE BELT — "H", 1/2˝ Pitch Gearbelt®**

R.P.M. of Smaller Pulley	NUMBER OF GROOVES IN SMALLER PULLEY																
	14	16	17	18	19	20	21	22	24	26	28	30	32	36	40	44	48
870	2.15	2.46	2.61	2.76	2.91	3.07	3.22	3.37	3.68	3.98	4.28	4.58	4.89	5.49	6.08	6.67	7.26
1160	2.86	3.27	3.47	3.68	3.88	4.08	4.28	4.48	4.89	5.28	5.68	6.08	6.48	7.26	8.03	8.80	9.55
1750	4.31	4.91	5.22	5.52	5.81	6.11	6.41	6.71	7.30	7.88	8.46	9.03	9.60	10.71	11.79	12.84	13.84
3500	8.46	9.60	10.16	10.71	11.24	11.77	12.31	12.84	13.82	14.80	15.74	16.59	17.40	18.89	20.08	—	—
200	.50	.57	.60	.64	.67	.71	.74	.78	.85	.92	.99	1.06	1.13	1.27	1.41	1.56	1.70
400	.99	1.13	1.20	1.27	1.34	1.41	1.49	1.56	1.70	1.84	1.98	2.12	2.26	2.54	2.82	3.10	3.38
600	1.49	1.70	1.80	1.91	2.02	2.12	2.23	2.33	2.54	2.75	2.96	3.17	3.38	3.80	4.22	4.64	5.05
800	1.98	2.26	2.40	2.54	2.68	2.82	2.96	3.10	3.38	3.66	3.94	4.22	4.50	5.05	5.60	6.15	6.69
1000	2.47	2.82	3.00	3.17	3.35	3.52	3.70	3.87	4.22	4.57	4.91	5.26	5.60	6.29	6.96	7.63	8.30
1200	2.96	3.38	3.59	3.80	4.01	4.22	4.43	4.64	5.05	5.46	5.88	6.29	6.69	7.50	8.30	9.08	9.86
1400	3.45	3.94	4.19	4.43	4.67	4.91	5.15	5.39	5.87	6.35	6.83	7.30	7.77	8.69	9.60	10.49	11.36
1600	3.94	4.50	4.78	5.05	5.33	5.60	5.87	6.15	6.69	7.23	7.77	8.30	8.82	9.86	10.87	11.85	12.80
1800	4.43	5.05	5.36	5.67	5.98	6.28	6.59	6.89	7.50	8.10	8.69	9.28	9.86	10.99	12.09	13.15	14.18
2000	4.91	5.60	5.95	6.28	6.62	6.96	7.30	7.63	8.29	8.95	9.60	10.24	10.87	12.10	13.27	14.40	15.46
2200	5.39	6.15	6.52	6.89	7.26	7.63	8.00	8.36	9.08	9.79	10.49	11.18	11.85	13.16	14.40	15.57	16.66
2400	5.87	6.69	7.10	7.50	7.90	8.29	8.69	9.08	9.85	10.62	11.37	12.09	12.80	14.18	15.46	16.66	17.76
2600	6.35	7.23	7.67	8.10	8.52	8.95	9.37	9.79	10.61	11.42	12.22	12.98	13.72	15.16	16.47	17.67	18.75
2800	6.83	7.77	8.23	8.69	9.14	9.59	10.04	10.49	11.35	12.21	13.05	13.84	14.61	16.09	17.41	18.60	19.63
3000	7.30	8.30	8.79	9.28	9.75	10.23	10.70	11.18	12.08	12.98	13.85	14.67	15.46	16.96	18.27	19.42	20.38
3200	7.77	8.82	9.34	9.85	10.36	10.85	11.35	11.85	12.79	13.72	14.63	15.46	16.27	17.78	19.06	20.14	—
3400	8.23	9.34	9.89	10.43	10.95	11.47	11.99	12.51	13.48	14.45	15.37	16.22	17.03	18.53	19.76	—	—
3600	8.69	9.86	10.43	10.99	11.55	12.07	12.62	13.16	14.16	15.15	16.09	16.95	17.75	19.22	20.37	—	—
3800	—	—	—	—	—	12.67	13.23	13.79	14.81	15.82	16.78	17.63	18.42	19.85	—	—	—
4000	—	—	—	—	—	13.24	13.82	14.40	15.44	16.46	17.43	18.27	19.04	—	—	—	—
4400	—	—	—	—	—	14.36	14.97	15.57	16.63	17.67	18.62	19.42	20.12	—	—	—	—
4800	—	—	—	—	—	15.42	16.05	16.67	17.71	18.74	19.66	—	—	—	—	—	—
5200	—	—	—	—	—	16.41	17.05	17.69	18.69	19.68	—	—	—	—	—	—	—
5600	—	—	—	—	—	17.34	17.98	18.61	19.55	—	—	—	—	—	—	—	—
6000	—	—	—	—	—	18.19	18.82	19.44	20.27	—	—	—	—	—	—	—	—

Table No. 2 **HORSEPOWER FOR ONE INCH WIDE BELT — "XH", 7/8" Pitch Gearbelt®**

R.P.M. of Smaller Pulley	NUMBER OF GROOVES IN SMALLER PULLEY									
	18	20	22	24	26	28	30	32	36	40
700	5.27	5.84	6.42	6.98	7.54	8.10	8.66	9.21	10.28	11.35
870	6.52	7.23	7.92	8.61	9.29	9.97	10.63	11.29	12.54	13.79
1160	8.61	9.51	10.41	11.29	12.13	12.97	13.79	14.57	16.01	17.44
1750	12.62	13.85	15.03	16.14	17.17	18.16	19.06	19.87	21.05	22.22
200	1.51	1.68	1.85	2.02	2.19	2.36	2.52	2.69	3.03	3.37
400	3.03	3.37	3.70	4.03	4.37	4.70	5.02	5.36	6.01	6.66
600	4.53	5.02	5.52	6.00	6.50	6.98	7.47	7.95	8.89	9.82
800	6.00	6.66	7.31	7.95	8.59	9.21	9.83	10.44	11.62	12.80
1000	7.47	8.26	9.05	9.82	10.59	11.35	12.08	12.80	14.15	15.51
1200	8.90	9.83	10.75	11.64	12.51	13.37	14.29	14.99	16.44	17.89
1400	10.89	11.35	12.37	13.37	14.32	15.25	16.14	16.98	18.43	19.87
1600	11.64	12.80	13.92	14.99	16.01	16.98	17.14	18.82	20.12	21.42
1800	13.18	14.18	15.37	16.51	17.56	18.53	19.42	20.22	21.29	22.35
2000	14.18	15.51	16.74	17.89	18.94	19.87	20.71	21.42	22.13	22.84
2200	15.37	16.74	18.00	19.43	20.14	21.01	21.72	22.27	22.44	—
2400	16.51	17.89	19.13	20.22	21.14	21.88	22.42	22.75	—	—
2600	17.56	18.94	20.14	21.14	21.94	22.49	22.80	—	—	—
2800	18.53	19.87	21.01	21.89	22.49	22.81	—	—	—	—
3000	19.42	20.71	21.72	22.42	22.80	—	—	—	—	—
3200	20.22	21.42	22.27	22.75	—	—	—	—	—	—
3600	21.54	22.42	22.82	—	—	—	—	—	—	—

Table No. 3 **HORSEPOWER FOR ONE INCH WIDE BELT — "XXH", 1 1/4" Pitch Gearbelt®**

R.P.M. of Smaller Pulley	NUMBER OF GROOVES IN SMALLER PULLEY							
	18	20	22	24	26	30	34	40
700	9.15	10.13	11.09	12.03	12.96	14.77	16.51	18.93
870	11.26	12.43	13.58	14.70	15.79	17.86	19.78	22.34
1160	14.70	16.14	17.52	18.84	20.01	22.34	24.23	26.29
1750	20.77	22.43	23.88	25.11	26.08	27.22	—	—
200	2.66	2.95	3.24	3.54	3.84	4.42	5.00	5.87
400	5.29	5.87	6.44	7.02	7.60	8.73	9.85	11.49
600	7.88	8.73	9.57	10.40	11.22	12.83	14.39	16.62
800	10.40	11.49	12.56	13.62	14.64	16.62	18.49	21.02
1000	12.83	14.14	15.40	16.26	17.80	20.01	21.98	24.44
1200	15.55	16.62	18.03	19.37	20.62	22.86	24.71	26.62
1400	17.33	18.93	20.41	21.79	23.03	25.10	26.54	27.33
1600	19.36	21.02	25.52	23.84	24.98	26.62	27.32	—
1800	21.21	22.87	24.29	25.47	26.38	27.31	—	—
2000	22.86	24.44	25.70	26.62	27.18	—	—	—
2200	24.28	25.70	26.69	27.24	27.31	—	—	—
2400	25.46	26.62	27.24	27.28	—	—	—	—

1. Ratings shown are for 1" wide belts; for other widths multiply by the Effective Belt Widths from Table No. 1, Page E-20
2. Ratings below heavy line are for pulleys below the Minimum Recommended Standard and a reduction in belt life may be expected.
3. Ratings shown are for belt speeds of 6000 feet per minute or less. Drives which require higher belt speeds should be referred to Browning.

Table No.1 **1/5" Pitch Drive Table**

Nominal Ratio	Pulley Combination: Driver Number Grooves	Driver Pitch Dia.	Driven Number Grooves	Driven Pitch Dia.	Available Belt Widths: 025	037	Driven Speeds and Horsepower for 1" Wide Belt: 3500 RPM Motor Driven Speed	3500 RPM Motor HP for 1" Belt	1750 RPM Motor Driven Speed	1750 RPM Motor HP for 1" Belt	1160 RPM Motor Driven Speed	1160 RPM Motor HP for 1" Belt	Nominal Center Distances Using Browning Gearbelts: 60 XL	70 XL	80 XL	90 XL	100 XL
1.00	10	.637	10	.637	x	x	3500	*.72	1750	*.36	1160	.24	2.0 ⑤	2.5 ⑤	3.0 ⑤	3.5 ⑤	4.0 ⑤
1.00	11	.700	11	.700	x	x	3500	*.79	1750	.40	1160	.26	1.9 ⑤	2.4 ⑤	2.9 ⑤	3.4 ⑤	3.9 ⑤
1.00	12	.764	12	.764	x	x	3500	.87	1750	.43	1160	.29	1.8	2.3	2.8	3.3	3.8
1.00	14	.891	14	.891	x	x	3500	1.01	1750	.51	1160	.34	1.6	2.1	2.6	3.1	3.6
1.00	15	.955	15	.955	x	x	3500	1.08	1750	.54	1160	.36	1.5	2.0	2.5	3.0	3.5
1.00	16	1.019	16	1.019	x	x	3500	1.15	1750	.58	1160	.38	1.4	1.9	2.4	2.9	3.4
1.00	18	1.146	18	1.146	x	x	3500	1.29	1750	.65	1160	.43	—	1.7	2.2	2.7	3.2
1.00	20	1.273	20	1.273	x	x	3500	1.43	1750	.72	1160	.48	—	1.5	2.0	2.5	3.0
1.00	21	1.337	21	1.337	x	x	3500	1.50	1750	.76	1160	.50	—	—	1.9	2.4	2.9
1.00	22	1.401	22	1.401	x	x	3500	1.57	1750	.79	1160	.53	—	—	1.8	2.3	2.8
1.00	24	1.528	24	1.528	x	x	3500	1.71	1750	.87	1160	.58	—	—	—	2.1	2.6
1.00	28	1.783	28	1.783	x	x	3500	1.98	1750	1.01	1160	.67	—	—	—	—	2.2
1.00	30	1.910	30	1.910	x	x	3500	2.11	1750	1.08	1160	.72	—	—	—	—	—
1.05	20	1.273	21	1.337	x	x	3333	1.43	1667	.72	1105	.48	—	—	2.0	2.5	3.0
1.05	21	1.337	22	1.401	x	x	3341	1.50	1670	.76	1107	.50	—	—	1.9	2.4	2.9
1.07	14	.891	15	.955	x	x	3267	1.01	1633	.51	1083	.34	1.6	2.1	2.6	3.1	3.6
1.07	15	.955	16	1.019	x	x	3281	1.08	1641	.54	1088	.36	1.5	2.0	2.5	3.0	3.5
1.07	28	1.783	30	1.910	x	x	3267	1.98	1633	1.01	1083	.67	—	—	—	—	2.1
1.07	30	1.910	32	2.037	x	x	3281	2.11	1641	1.08	1088	.72	—	—	—	—	—
1.09	11	.700	12	.764	x	x	3208	*.79	1604	.40	1063	.26	1.9 ⑤	2.4 ⑤	2.9 ⑤	3.4 ⑤	3.9 ⑤
1.09	22	1.401	24	1.528	x	x	3208	1.57	1604	.79	1063	.53	—	—	1.7	2.2	2.7
1.10	10	.637	11	.700	x	x	3182	*.72	1591	*.36	1055	.24	2.0 ④	2.5 ④	3.0 ④	3.5 ④	4.0 ④
1.10	20	1.273	22	1.401	x	x	3182	1.43	1591	.72	1055	.48	—	—	1.9	2.4	2.9
1.11	18	1.146	20	1.273	x	x	3150	1.29	1575	.65	1044	.43	—	1.6	2.1	2.6	3.1
1.13	16	1.019	18	1.146	x	x	3111	1.15	1556	.58	1031	.38	1.3	1.8	2.3	2.8	3.3
1.14	14	.891	16	1.019	x	x	3063	1.01	1531	.51	1015	.34	1.5	2.0	2.5	3.0	3.5
1.14	21	1.337	24	1.528	x	x	3063	1.50	1531	.76	1015	.50	—	—	1.7	2.2	2.7
1.14	28	1.783	32	2.037	x	x	3063	1.98	1531	1.01	1015	.67	—	—	—	—	—
1.17	12	.764	14	.891	x	x	3000	.87	1500	.43	994	.29	1.7 ⑤	2.2 ⑤	2.7 ⑤	3.2 ⑤	3.7 ⑤
1.17	18	1.146	21	1.337	x	x	3000	1.29	1500	.65	994	.43	—	1.5	2.0	2.5	3.0
1.17	24	1.528	28	1.783	x	x	3000	1.71	1500	.87	994	.58	—	—	—	1.9	2.4
1.20	10	.637	12	.764	x	x	2917	*.72	1458	*.36	967	.24	1.9 ④	2.4 ④	2.9 ④	3.4 ④	3.9 ④
1.20	15	.955	18	1.146	x	x	2917	1.08	1458	.54	967	.36	1.3	1.8	2.3	2.8	3.3
1.20	20	1.273	24	1.528	x	x	2917	1.43	1458	.72	967	.48	—	—	1.8	2.3	2.8
1.20	30	1.910	36	2.292	x	x	2917	2.11	1458	1.08	967	.72	—	—	—	—	—
1.22	18	1.146	22	1.401	x	x	2864	1.29	1432	.65	949	.43	—	1.5	2.0	2.5	3.0
1.25	12	.764	15	.955	x	x	2800	.87	1400	.43	928	.29	1.6 ⑤	2.1 ⑤	2.6 ⑤	3.1 ⑤	3.6 ⑤
1.25	16	1.019	20	1.273	x	x	2800	1.15	1400	.58	928	.38	—	1.7	2.2	2.7	3.2
1.25	24	1.528	30	1.910	x	x	2800	1.71	1400	.87	928	.58	—	—	—	—	2.3
1.27	11	.700	14	.891	x	x	2750	*.79	1375	.40	911	.26	1.7 ⑤	2.2 ⑤	2.7 ⑤	3.2 ⑤	3.7 ⑤
1.27	22	1.401	28	1.783	x	x	2750	1.57	1375	.79	911	.53	—	—	—	2.0	2.5
1.29	14	.891	18	1.146	x	x	2722	1.01	1361	.51	902	.34	1.4	1.9	2.4	2.9	3.4
1.29	28	1.783	36	2.292	x	x	2722	1.98	1361	1.01	902	.67	—	—	—	—	—
1.31	16	1.019	21	1.337	x	x	2667	1.15	1333	.58	884	.38	—	1.6	2.1	2.6	3.1
1.33	12	.764	16	1.019	x	x	2625	.87	1313	.43	870	.29	1.6 ⑤	2.1 ⑤	2.6 ⑤	3.1 ⑤	3.6 ⑤
1.33	15	.955	20	1.273	x	x	2625	1.08	1313	.54	870	.36	—	1.7	2.2	2.7	3.2
1.33	18	1.146	24	1.528	x	x	2625	1.29	1313	.65	870	.43	—	—	1.9	2.4	2.9
1.33	21	1.337	28	1.783	x	x	2625	1.50	1313	.76	870	.50	—	—	—	2.0	2.5
1.33	24	1.528	32	2.037	x	x	2625	1.71	1313	.87	870	.58	—	—	—	—	2.2
1.33	30	1.910	40	2.546	x	x	2625	2.11	1313	1.08	870	.72	—	—	—	—	—
1.36	11	.700	15	.955	x	x	2567	*.79	1283	.40	851	.26	1.7 ⑤	2.2 ⑤	2.7 ⑤	3.2 ⑤	3.7 ⑤
1.36	22	1.401	30	1.910	x	x	2567	1.57	1283	.79	851	.53	—	—	—	1.9	2.4
1.38	16	1.019	22	1.401	x	x	2545	1.15	1273	.58	844	.38	—	1.6	2.1	2.6	3.1
1.40	10	.637	14	.891	x	x	2500	*.72	1250	*.36	829	.24	1.8 ④	2.3 ④	2.8 ④	3.3 ④	3.8 ④
1.40	15	.955	21	1.337	x	x	2500	1.08	1250	.54	829	.36	—	1.7	2.2	2.7	3.2
1.40	20	1.273	28	1.783	x	x	2500	1.43	1250	.72	829	.48	—	—	—	2.1	2.6
1.40	30	1.910	42	2.674	x	x	2500	2.11	1250	1.08	829	.72	—	—	—	—	—
1.43	14	.891	20	1.273	x	x	2450	1.01	1225	.51	812	.34	1.3	1.8	2.3	2.8	3.3
1.43	21	1.337	30	1.910	x	x	2450	1.50	1225	.76	812	.50	—	—	—	1.9	2.4
1.43	28	1.783	40	2.546	x	x	2450	1.98	1225	1.01	812	.67	—	—	—	—	—
1.45	11	.700	16	1.019	x	x	2406	*.79	1203	.40	798	.26	1.6 ⑤	2.1 ⑤	2.6 ⑤	3.1 ⑤	3.6 ⑤
1.45	22	1.401	32	2.037	x	x	2406	1.57	1203	.79	798	.53	—	—	—	—	2.3
1.47	15	.955	22	1.401	x	x	2386	1.08	1193	.54	791	.36	—	1.6	2.1	2.6	3.1
1.47	30	1.910	44	2.801	x	x	2386	2.11	1193	1.08	791	.72	—	—	—	—	—
1.50	10	.637	15	.955	x	x	2333	*.72	1167	*.36	773	.24	1.7 ④	2.2 ④	2.7 ④	3.2 ④	3.7 ④

Horsepower Ratings shown in these tables are for a 1" wide belt. To find the belt width required, divide the **NORMAL RATING** (See Page E-21) of the drive by the Horsepower shown in the table above. The result is the "Effective Belt Width". Using this, or the next higher figure, determine the "Actual Belt Width" from the following table:

Effective Belt Width……..	**.15"**	**.21"**	**.28"**	**.42"**	**.57"**	**.71"**	**1.00"**	**1.29"**	**1.56"**
Actual Belt Width…….	1/4	5/16	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2

*This rating is for a pulley below the minimum recommended on page E-22 and, therefore, a reduction in belt life should be expected.

When the center distance for a specific pulley and belt combination is followed by a number in a circle, the horsepower for one inch wide belt must be multiplied by factor at right:

Teeth in Mesh	Factor
⑤	**.80**
④	**.60**
③	**.40**

E

Table No. 1

1/5" Pitch Drive Table

Nominal Ratio	Pulley Combination Driver Number Grooves	Pulley Combination Driven Number Grooves	Nominal Center Distances using Browning® Gearbelt® 110 XL	120 XL	130 XL	140 XL	150 XL	160 XL	170 XL	180 XL	190 XL	200 XL	210 XL	220 XL	230 XL	240 XL	250 XL	260 XL
1.00	10	10	4.5 ⑤	5.0 ⑤	5.5 ⑤	6.0 ⑤	6.5 ⑤	7.0 ⑤	7.5 ⑤	8.0 ⑤	8.5 ⑤	9.0 ⑤	9.5 ⑤	10.0 ⑤	10.5 ⑤	11.0 ⑤	11.5 ⑤	12.0 ⑤
1.00	11	11	4.4 ⑤	4.9 ⑤	5.4 ⑤	5.9 ⑤	6.4 ⑤	6.9 ⑤	7.4 ⑤	7.9 ⑤	8.4 ⑤	8.9 ⑤	9.4 ⑤	9.9 ⑤	10.4 ⑤	10.9 ⑤	11.4 ⑤	11.9 ⑤
1.00	12	12	4.3	4.8	5.3	5.8	6.3	6.8	7.3	7.8	8.3	8.8	9.3	9.8	10.3	10.8	11.3	11.8
1.00	14	14	4.1	4.6	5.1	5.6	6.1	6.6	7.1	7.6	8.1	8.6	9.1	9.6	10.1	10.6	11.1	11.6
1.00	15	15	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5
1.00	16	16	3.9	4.4	4.9	5.4	5.9	6.4	6.9	7.4	7.9	8.4	8.9	9.4	9.9	10.4	10.9	11.4
1.00	18	18	3.7	4.2	4.7	5.2	5.7	6.2	6.7	7.2	7.7	8.2	8.7	9.2	9.7	10.2	10.7	11.2
1.00	20	20	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0
1.00	21	21	3.4	3.9	4.4	4.9	5.4	5.9	6.4	6.9	7.4	7.9	8.4	8.9	9.4	9.9	10.4	10.9
1.00	22	22	3.3	3.8	4.3	4.8	5.3	5.8	6.3	6.8	7.3	7.8	8.3	8.8	9.3	9.8	10.3	10.8
1.00	24	24	3.1	3.6	4.1	4.6	5.1	5.6	6.1	6.6	7.1	7.6	8.1	8.6	9.1	9.6	10.1	10.6
1.00	28	28	2.7	3.2	3.7	4.2	4.7	5.2	5.7	6.2	6.7	7.2	7.7	8.2	8.7	9.2	9.7	10.2
1.00	30	30	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0
1.05	20	21	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0
1.05	21	22	3.4	3.9	4.4	4.9	5.4	5.9	6.4	6.9	7.4	7.9	8.4	8.9	9.4	9.9	10.4	10.9
1.07	14	15	4.1	4.6	5.1	5.6	6.1	6.6	7.1	7.6	8.1	8.6	9.1	9.6	10.1	10.6	11.1	11.6
1.07	15	16	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5
1.07	28	30	2.6	3.1	3.6	4.1	4.6	5.1	5.6	6.1	6.6	7.1	7.6	8.1	8.6	9.1	9.6	10.1
1.07	30	32	2.4	2.9	3.4	3.9	4.4	4.9	5.4	5.9	6.4	6.9	7.4	7.9	8.4	8.9	9.4	9.9
1.09	11	12	4.4 ⑤	4.9 ⑤	5.4 ⑤	5.9 ⑤	6.4 ⑤	6.9 ⑤	7.4 ⑤	7.9 ⑤	8.4 ⑤	8.9 ⑤	9.4 ⑤	9.9 ⑤	10.4 ⑤	10.9 ⑤	11.4 ⑤	11.9 ⑤
1.09	22	24	3.2	3.7	4.2	4.7	5.2	5.7	6.2	6.7	7.2	7.7	8.2	8.7	9.2	9.7	10.2	10.7
1.10	10	11	4.5 ④	5.0 ④	5.5 ④	6.0 ④	6.5 ④	7.0 ④	7.5 ④	8.0 ④	8.5 ④	9.0 ④	9.5 ④	10.0 ④	10.5 ④	11.0 ④	11.5 ④	12.0 ④
1.10	20	22	3.4	3.9	4.4	4.9	5.4	5.9	6.4	6.9	7.4	7.9	8.4	8.9	9.4	9.9	10.4	10.9
1.11	18	20	3.6	4.1	4.6	5.1	5.6	6.1	6.6	7.1	7.6	8.1	8.6	9.1	9.6	10.1	10.6	11.1
1.13	16	18	3.8	4.3	4.8	5.3	5.8	6.3	6.8	7.3	7.8	8.3	8.8	9.3	9.8	10.3	10.8	11.3
1.14	14	16	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5
1.14	21	24	3.2	3.7	4.3	4.8	5.3	5.8	6.3	6.8	7.3	7.8	8.3	8.8	9.3	9.8	10.3	10.8
1.14	28	32	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0
1.17	12	14	4.2 ⑤	4.7 ⑤	5.2 ⑤	5.7 ⑤	6.2 ⑤	6.7 ⑤	7.2 ⑤	7.7 ⑤	8.2 ⑤	8.7 ⑤	9.2 ⑤	9.7 ⑤	10.2 ⑤	10.7 ⑤	11.2 ⑤	11.7 ⑤
1.17	18	21	3.5	4.0	4.5	5.1	5.6	6.1	6.6	7.1	7.6	8.1	8.6	9.1	9.6	10.1	10.6	11.1
1.17	24	28	2.9	3.4	3.9	4.4	4.9	5.4	5.9	6.4	6.9	7.4	7.9	8.4	8.9	9.4	9.9	10.4
1.20	10	12	4.4 ④	4.9 ④	5.4 ④	5.9 ④	6.4 ④	6.9 ④	7.4 ④	7.9 ④	8.4 ④	8.9 ④	9.4 ④	9.9 ④	10.4 ④	10.9 ④	11.4 ④	11.9 ④
1.20	15	18	3.8	4.3	4.8	5.3	5.9	6.4	6.9	7.4	7.9	8.4	8.9	9.4	9.9	10.4	10.9	11.4
1.20	20	24	3.3	3.8	4.3	4.8	5.3	5.8	6.3	6.8	7.3	7.8	8.3	8.8	9.3	9.8	10.3	10.8
1.20	30	36	—	2.7	3.2	3.7	4.2	4.7	5.2	5.7	6.2	6.7	7.2	7.7	8.2	8.7	9.2	9.7
1.22	18	22	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0
1.25	12	15	4.1 ⑤	4.6 ⑤	5.1 ⑤	5.6 ⑤	6.1 ⑤	6.6 ⑤	7.2 ⑤	7.7 ⑤	8.2 ⑤	8.7 ⑤	9.2 ⑤	9.7 ⑤	10.2 ⑤	10.7 ⑤	11.2 ⑤	11.7 ⑤
1.25	16	20	3.7	4.2	4.7	5.2	5.7	6.2	6.7	7.2	7.7	8.2	8.7	9.2	9.7	10.2	10.7	11.2
1.25	24	30	2.8	3.3	3.8	4.3	4.8	5.3	5.8	6.3	6.8	7.3	7.8	8.3	8.8	9.3	9.8	10.3
1.27	11	14	4.2 ⑤	4.7 ⑤	5.2 ⑤	5.7 ⑤	6.2 ⑤	6.7 ⑤	7.3 ⑤	7.8 ⑤	8.3 ⑤	8.8 ⑤	9.3 ⑤	9.8 ⑤	10.3 ⑤	10.8 ⑤	11.3 ⑤	11.8 ⑤
1.27	22	28	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5
1.29	14	18	3.9	4.4	4.9	5.4	5.9	6.4	6.9	7.4	7.9	8.4	8.9	9.4	9.9	10.4	10.9	11.4
1.29	28	36	2.3	2.8	3.3	3.8	4.3	4.8	5.3	5.8	6.3	6.8	7.3	7.8	8.3	8.8	9.3	9.8
1.31	16	21	3.6	4.1	4.6	5.1	5.6	6.1	6.6	7.1	7.6	8.1	8.6	9.1	9.6	10.1	10.6	11.2
1.33	12	16	4.1 ⑤	4.6 ⑤	5.1 ⑤	5.6 ⑤	6.1 ⑤	6.6 ⑤	7.1 ⑤	7.6 ⑤	8.1 ⑤	8.6 ⑤	9.1 ⑤	9.6 ⑤	10.1 ⑤	10.6 ⑤	11.1 ⑤	11.6 ⑤
1.33	15	20	3.7	4.2	4.7	5.2	5.7	6.2	6.7	7.2	7.7	8.2	8.7	9.2	9.7	10.2	10.7	11.3
1.33	18	24	3.4	3.9	4.4	4.9	5.4	5.9	6.4	6.9	7.4	7.9	8.4	8.9	9.4	9.9	10.4	10.9
1.33	21	28	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5
1.33	24	32	2.7	3.2	3.7	4.2	4.7	5.2	5.7	6.2	6.7	7.2	7.7	8.2	8.7	9.2	9.7	10.2
1.33	30	40	—	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5
1.36	11	15	4.2 ⑤	4.7 ⑤	5.2 ⑤	5.7 ⑤	6.2 ⑤	6.7 ⑤	7.2 ⑤	7.7 ⑤	8.2 ⑤	8.7 ⑤	9.2 ⑤	9.7 ⑤	10.2 ⑤	10.7 ⑤	11.2 ⑤	11.7 ⑤
1.36	22	30	2.9	3.4	3.9	4.4	4.9	5.4	5.9	6.4	6.9	7.4	7.9	8.4	8.9	9.4	9.9	10.4
1.38	16	22	3.6	4.1	4.6	5.1	5.6	6.1	6.6	7.1	7.6	8.1	8.6	9.1	9.6	10.1	10.6	11.1
1.40	10	14	4.3 ④	4.8 ④	5.3 ④	5.8 ④	6.3 ④	6.8 ④	7.3 ④	7.8 ④	8.3 ④	8.8 ④	9.3 ④	9.8 ④	10.3 ④	10.8 ④	11.3 ④	11.8 ④
1.40	15	21	3.7	4.2	4.7	5.2	5.7	6.2	6.7	7.2	7.7	8.2	8.7	9.2	9.7	10.2	10.7	11.2
1.40	20	28	3.1	3.6	4.1	4.6	5.1	5.6	6.1	6.6	7.1	7.6	8.1	8.6	9.1	9.6	10.1	10.6
1.40	30	42	—	—	2.9	3.4	3.9	4.4	4.9	5.4	5.9	6.4	6.9	7.4	7.9	8.4	8.9	9.4
1.43	14	20	3.8	4.3	4.8	5.3	5.8	6.3	6.8	7.3	7.8	8.3	8.8	9.3	9.8	10.3	10.8	11.3
1.43	21	30	2.9	3.4	3.9	4.4	4.9	5.4	5.9	6.4	6.9	7.4	7.9	8.4	8.9	9.4	9.9	10.4
1.43	28	40	—	2.6	3.1	3.6	4.1	4.6	5.1	5.6	6.1	6.6	7.1	7.6	8.1	8.6	9.1	9.6
1.45	11	16	4.1 ⑤	4.6 ⑤	5.1 ⑤	5.6 ⑤	6.1 ⑤	6.6 ⑤	7.1 ⑤	7.6 ⑤	8.1 ⑤	8.6 ⑤	9.1 ⑤	9.6 ⑤	10.1 ⑤	10.6 ⑤	11.1 ⑤	11.7 ⑤
1.45	22	32	2.8	3.3	3.8	4.3	4.8	5.3	5.8	6.3	6.8	7.3	7.8	8.3	8.8	9.3	9.8	10.3
1.47	15	22	3.6	4.1	4.6	5.1	5.6	6.1	6.6	7.1	7.6	8.1	8.6	9.1	9.6	10.1	10.6	11.1
1.47	30	44	—	—	2.8	3.3	3.8	4.3	4.8	5.3	5.8	6.3	6.8	7.3	7.8	8.3	8.8	9.3
1.50	10	15	4.2 ④	4.7 ④	5.2 ④	5.7 ④	6.2 ④	6.7 ④	7.2 ④	7.7 ④	8.2 ④	8.7 ④	9.2 ④	9.7 ④	10.2 ④	10.7 ④	11.2 ④	11.7 ④

Center Distances shown are theoretical; manufacturing tolerances on belt lengths and pulley diameters can affect the actual center distance of a drive. Belt Numbers at the head of center distance columns indicate pitch length (multiplied by ten) and pitch. For example, a "110XL" belt is 11 inches long and is for use with 1/5 inch pitch pulleys. This part number must be completed by adding the belt width, for example, adding 025 to this number (making the complete part number read "110XL025") indicates that the belt is 1/4 inch wide.

When the center distance for a specific pulley and belt combination is followed by a number in a circle, the horsepower for one inch wide belt must be multiplied by factor at right:

Teeth in Mesh	Factor
⑤	.80
④	.60
③	.40

When the center distance is 8 or more times the diameter of the small pulley or when drive operates on vertical shafts, both pulleys should be flanged.

Table No.1

1/5″ Pitch Drive Table

Pulley Combination					Avail-able Belt Widths		Driven Speeds and Horsepower for 1" Wide Belt						Nominal Center Distances Using Browning® Gearbelt®				
	Driver		Driven				3500 RPM Motor		1750 RPM Motor		1160 RPM Motor						
Nominal Ratio	Number Grooves	Pitch Dia.	Number Grooves	Pitch Dia.	025	037	Driven Speed	HP for 1″ Belt	Driven Speed	HP for 1″ Belt	Driven Speed	HP for 1″ Belt	60 XL	70 XL	80 XL	90 XL	100 XL
1.50	12	.764	18	1.146	x	x	2333	.87	1167	.43	773	.29	1.5 ⑤	2.0 ⑤	2.5 ⑤	3.0 ⑤	3.5 ⑤
1.50	14	.891	21	1.337	x	x	2333	1.01	1167	.51	773	.34	—	1.7	2.2	2.7	3.2
1.50	16	1.019	24	1.528	x	x	2333	1.15	1167	.58	773	.38	—	1.5	2.0	2.5	3.0
1.50	20	1.273	30	1.910	x	x	2333	1.43	1167	.72	773	.48	—	—	—	2.0	2.5
1.50	24	1.528	36	2.292	x	x	2333	1.71	1167	.87	773	.58	—	—	—	—	—
1.50	28	1.783	42	2.674	x	x	2333	1.98	1167	1.01	773	.67	—	—	—	—	—
1.52	21	1.337	32	2.037	x	x	2297	1.50	1148	.76	761	.50	—	—	—	—	2.3
1.56	18	1.146	28	1.783	x	x	2250	1.29	1125	.65	746	.43	—	—	1.7	2.2	2.7
1.57	14	.891	22	1.401	x	x	2227	1.01	1114	.51	738	.34	—	1.7	2.2	2.7	3.2
1.57	28	1.783	44	2.801	x	x	2227	1.98	1114	1.01	738	.67	—	—	—	—	—
1.60	10	.637	16	1.019	x	x	2188	*.72	1094	*.36	725	.24	1.7 ④	2.2 ④	2.7 ④	3.2 ④	3.7 ④
1.60	15	.955	24	1.528	x	x	2188	1.08	1094	.54	725	.36	—	1.5	2.0	2.5	3.0
1.60	20	1.273	32	2.037	x	x	2188	1.43	1094	.72	725	.48	—	—	—	1.9	2.4
1.60	30	1.910	48	3.056	x	x	2188	2.11	1094	1.08	725	.72	—	—	—	—	—
1.64	11	.700	18	1.146	x	x	2139	*.79	1069	.40	709	.26	1.5 ④	2.0 ⑤	2.5 ⑤	3.0 ⑤	3.5 ⑤
1.64	22	1.401	36	2.292	x	x	2139	1.57	1069	.79	709	.53	—	—	—	—	2.1
1.67	12	.764	20	1.273	x	x	2100	.87	1050	.43	696	.29	1.4 ⑤	1.9 ⑤	2.4 ⑤	2.9 ⑤	3.4 ⑤
1.67	18	1.146	30	1.910	x	x	2100	1.29	1050	.65	696	.43	—	—	—	2.1	2.6
1.67	24	1.528	40	2.546	x	x	2100	1.71	1050	.87	696	.58	—	—	—	—	—
1.71	14	.891	24	1.528	x	x	2042	1.01	1021	.51	677	.34	—	1.6	2.1	2.6	3.1
1.71	21	1.337	36	2.292	x	x	2042	1.50	1021	.76	677	.50	—	—	—	—	2.1
1.71	28	1.783	48	3.056	x	x	2042	1.98	1021	1.01	677	.67	—	—	—	—	—
1.75	12	.764	21	1.337	x	x	2000	.87	1000	.43	663	.29	1.3 ⑤	1.8 ⑤	2.3 ⑤	2.8 ⑤	3.3 ⑤
1.75	16	1.019	28	1.783	x	x	2000	1.15	1000	.58	663	.38	—	—	1.8	2.3	2.8
1.75	24	1.528	42	2.674	x	x	2000	1.71	1000	.87	663	.58	—	—	—	—	—
1.78	18	1.146	32	2.037	x	x	1969	1.29	984	.65	653	.43	—	—	—	2.0	2.5
1.80	10	.637	18	1.146	x	x	1944	*.72	972	*.36	644	.24	1.6 ④	2.1 ④	2.6 ④	3.1 ④	3.6 ④
1.80	20	1.273	36	2.292	x	x	1944	1.43	972	.72	644	.48	—	—	—	—	2.1
1.82	11	.700	20	1.273	x	x	1925	*.79	963	.40	638	.26	1.4 ④	1.9 ④	2.4 ⑤	2.9 ⑤	3.4 ⑤
1.82	22	1.401	40	2.546	x	x	1925	1.57	963	.79	638	.53	—	—	—	—	—
1.83	12	.764	22	1.401	x	x	1909	.87	955	.43	633	.29	—	1.8 ⑤	2.3 ⑤	2.8 ⑤	3.3 ⑤
1.83	24	1.528	44	2.801	x	x	1909	1.71	955	.87	633	.58	—	—	—	—	—
1.87	15	.955	28	1.783	x	x	1875	1.08	938	.54	621	.36	—	—	1.8	2.3	2.8
1.88	16	1.019	30	1.910	x	x	1867	1.15	933	.58	619	.38	—	—	—	2.2	2.7
1.90	21	1.337	40	2.546	x	x	1838	1.50	919	.76	609	.50	—	—	—	—	—
1.91	11	.700	21	1.337	x	x	1833	*.79	917	.40	608	.26	1.4 ④	1.9 ④	2.4 ⑤	2.9 ⑤	3.4 ⑤
1.91	22	1.401	42	2.674	x	x	1833	1.57	917	.79	608	.53	—	—	—	—	—
2.00	10	.637	20	1.273	x	x	1750	*.72	875	*.36	580	.24	1.5 ④	2.0 ④	2.5 ④	3.0 ④	3.5 ④
2.00	11	.700	22	1.401	x	x	1750	*.79	875	.40	580	.26	1.3 ④	1.8 ④	2.3 ④	2.8 ⑤	3.3 ⑤
2.00	12	.764	24	1.528	x	x	1750	.87	875	.43	580	.29	—	1.7 ⑤	2.2 ⑤	2.7 ⑤	3.2 ⑤
2.00	14	.891	28	1.783	x	x	1750	1.01	875	.51	580	.34	—	—	1.8 ⑤	2.4	2.9
2.00	15	.955	30	1.910	x	x	1750	1.08	875	.54	580	.36	—	—	1.7	2.2	2.7
2.00	16	1.019	32	2.037	x	x	1750	1.15	875	.58	580	.38	—	—	—	2.0	2.6
2.00	18	1.146	36	2.292	x	x	1750	1.29	875	.65	580	.43	—	—	—	—	2.2
2.00	20	1.273	40	2.546	x	x	1750	1.43	875	.72	580	.48	—	—	—	—	—
2.00	21	1.337	42	2.674	x	x	1750	1.50	875	.76	580	.50	—	—	—	—	—
2.00	22	1.401	44	2.801	x	x	1750	1.57	875	.79	580	.53	—	—	—	—	—
2.00	24	1.528	48	3.056	x	x	1750	1.71	875	.87	580	.58	—	—	—	—	—
2.00	30	1.910	60	3.820	x	x	1750	2.11	875	1.08	580	.72	—	—	—	—	—
2.10	10	.637	21	1.337	x	x	1667	*.72	833	*.36	552	.24	1.4 ④	1.9 ④	2.4 ④	2.9 ④	3.4 ④
2.10	20	1.273	42	2.674	x	x	1667	1.43	833	.72	552	.48	—	—	—	—	—
2.10	21	1.337	44	2.801	x	x	1670	1.50	835	.76	554	.50	—	—	—	—	—
2.13	15	.955	32	2.037	x	x	1641	1.08	820	.54	544	.36	—	—	—	2.1	2.6
2.14	14	.891	30	1.910	x	x	1633	1.01	817	.51	541	.34	—	—	1.7 ⑤	2.2 ⑤	2.8
2.14	28	1.783	60	3.820	x	x	1633	1.98	817	1.01	541	.67	—	—	—	—	—
2.18	11	.700	24	1.528	x	x	1604	*.79	802	.40	532	.26	—	1.7 ④	2.2 ④	2.7 ④	3.2 ⑤
2.18	22	1.401	48	3.056	x	x	1604	1.57	802	.79	532	.53	—	—	—	—	—
2.20	10	.637	22	1.401	x	x	1591	*.72	795	*.36	527	.24	1.3 ④	1.9 ④	2.4 ④	2.9 ④	3.4 ④
2.20	20	1.273	44	2.801	x	x	1591	1.43	795	.72	527	.48	—	—	—	—	—
2.22	18	1.146	40	2.546	x	x	1575	1.29	788	.65	522	.43	—	—	—	—	—
2.25	16	1.019	36	2.292	x	x	1556	1.15	778	.58	516	.38	—	—	—	—	2.3
2.29	14	.891	32	2.037	x	x	1531	1.01	766	.51	508	.34	—	—	—	2.1 ⑤	2.6
2.29	21	1.337	48	3.056	x	x	1531	1.50	766	.76	508	.50	—	—	—	—	—
2.33	12	.764	28	1.783	x	x	1500	.87	750	.43	497	.29	—	—	1.9 ④	2.4 ⑤	3.0 ⑤
2.33	18	1.146	42	2.674	x	x	1500	1.29	750	.65	497	.43	—	—	—	—	—

Horsepower Ratings shown in these tables are for a 1" wide belt. To find the belt width required, divide the **NORMAL RATING** (See Page E-21) of the drive by the Horsepower shown in the table above. The result is the "Effective Belt Width". Using this, or the next higher figure, determine the "Actual Belt Width" from the following table:

Effective Belt Width.....	**.15"**	**.21"**	**.28"**	**.42"**	**.57"**	**.71"**	**1.00"**	**1.29"**	**1.56"**
Actual Belt Width.....	1/4	5/16	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2

*This rating is for a pulley below the minimum recommended on page E-22 and, therefore, a reduction in belt life should be expected.

When the center distance for a specific pulley and belt combination is followed by a number in a circle, the horsepower for one inch wide belt must be multiplied by factor at right:

Teeth in Mesh	Factor
⑤	**.80**
④	**.60**
③	**.40**

Table No. 1

1/5″ Pitch Drive Table

Nominal Ratio	Pulley Combination		Nominal Center Distances using Browning® Gearbelt®															
	Driver	Driven	110 XL	120 XL	130 XL	140 XL	150 XL	160 XL	170 XL	180 XL	190 XL	200 XL	210 XL	220 XL	230 XL	240 XL	250 XL	260 XL
	Number Grooves	Number Grooves																
1.50	12	18	4.0 ⑤	4.5 ⑤	5.0 ⑤	5.5 ⑤	6.0 ⑤	6.5 ⑤	7.0 ⑤	7.5 ⑤	8.0 ⑤	8.5 ⑤	9.0 ⑤	9.5 ⑤	10.0 ⑤	10.5 ⑤	11.0 ⑤	11.5 ⑤
1.50	14	21	3.7	4.2	4.7	5.2	5.7	6.2	6.7	7.2	7.7	8.2	8.7	9.2	9.7	10.2	10.7	11.2
1.50	16	24	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0
1.50	20	30	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5
1.50	24	36	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0
1.50	28	42	—	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5
1.52	21	32	2.8	3.3	3.8	4.3	4.8	5.3	5.8	6.3	6.8	7.3	7.8	8.3	8.8	9.3	9.8	10.3
1.56	18	28	3.2	3.7	4.2	4.7	5.2	5.7	6.2	6.7	7.2	7.7	8.2	8.7	9.2	9.7	10.2	10.7
1.57	14	22	3.7	4.2	4.7	5.2	5.7	6.2	6.7	7.2	7.7	8.2	8.7	9.2	9.7	10.2	10.7	11.2
1.57	28	44	—	—	2.9	3.4	3.9	4.4	4.9	5.4	5.9	6.4	6.9	7.4	7.9	8.4	8.9	9.4
1.60	10	16	4.2 ④	4.7 ④	5.2 ④	5.7 ④	6.2 ④	6.7 ④	7.2 ④	7.7 ④	8.2 ④	8.7 ④	9.2 ④	9.7 ④	10.2 ④	10.7 ④	11.2 ④	11.7 ④
1.60	15	24	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0
1.60	20	32	2.9	3.4	3.9	4.4	4.9	5.4	5.9	6.4	6.9	7.4	7.9	8.4	8.9	9.4	9.9	10.4
1.60	30	48	—	—	—	3.0	3.6	4.1	4.6	5.1	5.6	6.1	6.6	7.1	7.6	8.1	8.6	9.1
1.64	11	18	4.0 ⑤	4.5 ⑤	5.0 ⑤	5.5 ⑤	6.0 ⑤	6.5 ⑤	7.0 ⑤	7.5 ⑤	8.0 ⑤	8.5 ⑤	9.0 ⑤	9.5 ⑤	10.0 ⑤	10.5 ⑤	11.0 ⑤	11.5 ⑤
1.64	22	36	2.6	3.1	3.6	4.1	4.6	5.1	5.6	6.1	6.6	7.1	7.6	8.1	8.6	9.1	9.6	10.1
1.67	12	20	3.9 ⑤	4.4 ⑤	4.9 ⑤	5.4 ⑤	5.9 ⑤	6.4 ⑤	6.9 ⑤	7.4 ⑤	7.9 ⑤	8.4 ⑤	8.9 ⑤	9.4 ⑤	9.9 ⑤	10.4 ⑤	10.9 ⑤	11.4 ⑤
1.67	18	30	3.1	3.6	4.1	4.6	5.1	5.6	6.1	6.6	7.1	7.6	8.1	8.6	9.1	9.6	10.1	10.6
1.67	24	40	2.2	2.8	3.3	3.8	4.3	4.8	5.3	5.8	6.3	6.8	7.3	7.8	8.3	8.8	9.3	9.8
1.71	14	24	3.6	4.1	4.6	5.1	5.6	6.1	6.6	7.1	7.6	8.1	8.6	9.1	9.6	10.1	10.6	11.1
1.71	21	36	2.6	3.1	3.6	4.1	4.6	5.1	5.6	6.1	6.6	7.1	7.6	8.1	8.6	9.1	9.6	10.1
1.71	28	48	—	—	2.6	3.1	3.6	4.2	4.7	5.2	5.7	6.2	6.7	7.2	7.7	8.2	8.7	9.2
1.75	12	21	3.8 ⑤	4.3 ⑤	4.8 ⑤	5.3 ⑤	5.8 ⑤	6.3 ⑤	6.8 ⑤	7.3 ⑤	7.8 ⑤	8.3 ⑤	8.8 ⑤	9.3 ⑤	9.8 ⑤	10.3 ⑤	10.8 ⑤	11.3 ⑤
1.75	16	28	3.3	3.8	4.3	4.8	5.3	5.8	6.3	6.8	7.3	7.8	8.3	8.8	9.3	9.8	10.3	10.8
1.75	24	42	—	2.6	3.1	3.7	4.2	4.7	5.2	5.7	6.2	6.7	7.2	7.7	8.2	8.7	9.2	9.7
1.78	18	32	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5
1.80	10	18	4.1 ④	4.6 ④	5.1 ④	5.6 ④	6.1 ④	6.6 ④	7.1 ④	7.6 ④	8.1 ④	8.6 ④	9.1 ④	9.6 ④	10.1 ④	10.6 ④	11.1 ④	11.6 ④
1.80	20	36	2.7	3.2	3.7	4.2	4.7	5.2	5.7	6.2	6.7	7.2	7.7	8.2	8.7	9.2	9.7	10.2
1.82	11	20	3.9 ⑤	4.4 ⑤	4.9 ⑤	5.4 ⑤	5.9 ⑤	6.4 ⑤	6.9 ⑤	7.4 ⑤	7.9 ⑤	8.4 ⑤	8.9 ⑤	9.4 ⑤	9.9 ⑤	10.4 ⑤	10.9 ⑤	11.4 ⑤
1.82	22	40	2.3	2.8	3.4	3.9	4.4	4.9	5.4	5.9	6.4	6.9	7.4	7.9	8.4	8.9	9.4	9.9
1.83	12	22	3.8 ⑤	4.3 ⑤	4.8 ⑤	5.3 ⑤	5.8 ⑤	6.3 ⑤	6.8 ⑤	7.3 ⑤	7.8 ⑤	8.3 ⑤	8.8 ⑤	9.3 ⑤	9.8 ⑤	10.3 ⑤	10.8 ⑤	11.3 ⑤
1.83	24	44	—	2.5	3.0	3.5	4.1	4.6	5.1	5.6	6.1	6.6	7.1	7.6	8.1	8.6	9.1	9.6
1.87	15	28	3.3	3.8	4.3	4.8	5.3	5.8	6.3	6.8	7.3	7.8	8.3	8.8	9.3	9.8	10.3	10.8
1.88	16	30	3.2	3.7	4.2	4.7	5.2	5.7	6.2	6.7	7.2	7.7	8.2	8.7	9.2	9.7	10.2	10.7
1.90	21	40	2.4	2.9	3.4	3.9	4.4	4.9	5.4	5.9	6.4	6.9	7.4	7.9	8.4	8.9	9.4	9.9
1.91	11	21	3.9 ⑤	4.4 ⑤	4.9 ⑤	5.4 ⑤	5.9 ⑤	6.4 ⑤	6.9 ⑤	7.4 ⑤	7.9 ⑤	8.4 ⑤	8.9 ⑤	9.4 ⑤	9.9 ⑤	10.4 ⑤	10.9 ⑤	11.4 ⑤
1.91	22	42	—	2.7	3.2	3.7	4.3	4.8	5.3	5.8	6.3	6.8	7.3	7.8	8.3	8.8	9.3	9.8
2.00	10	20	4.0 ④	4.5 ④	5.0 ④	5.5 ④	6.0 ④	6.5 ④	7.0 ④	7.5 ④	8.0 ④	8.5 ④	9.0 ④	9.5 ④	10.0 ④	10.5 ④	11.0 ④	11.5 ④
2.00	11	22	3.8 ⑤	4.3 ⑤	4.8 ⑤	5.3 ⑤	5.8 ⑤	6.3 ⑤	6.8 ⑤	7.3 ⑤	7.8 ⑤	8.3 ⑤	8.8 ⑤	9.3 ⑤	9.8 ⑤	10.3 ⑤	10.8 ⑤	11.3 ⑤
2.00	12	24	3.7 ⑤	4.2 ⑤	4.7 ⑤	5.2 ⑤	5.7 ⑤	6.2 ⑤	6.7 ⑤	7.2 ⑤	7.7 ⑤	8.2 ⑤	8.7 ⑤	9.2 ⑤	9.7 ⑤	10.2 ⑤	10.7 ⑤	11.2 ⑤
2.00	14	28	3.4	3.9	4.4	4.9	5.4	5.9	6.4	6.9	7.4	7.9	8.4	8.9	9.4	9.9	10.4	10.9
2.00	15	30	3.2	3.7	4.2	4.7	5.2	5.7	6.2	6.7	7.2	7.7	8.2	8.7	9.2	9.7	10.2	10.7
2.00	16	32	3.1	3.6	4.1	4.6	5.1	5.6	6.1	6.6	7.1	7.6	8.1	8.6	9.1	9.6	10.1	10.6
2.00	18	36	2.7	3.3	3.8	4.3	4.8	5.3	5.8	6.3	6.8	7.3	7.8	8.3	8.8	9.3	9.8	10.3
2.00	20	40	2.4	2.9	3.4	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0
2.00	21	42	2.3	2.8	3.3	3.8	4.3	4.8	5.3	5.8	6.3	6.8	7.3	7.8	8.3	8.8	9.3	9.8
2.00	22	44	—	2.6	3.1	3.6	4.1	4.6	5.2	5.7	6.2	6.7	7.2	7.7	8.2	8.7	9.2	9.7
2.00	24	48	—	—	2.8	3.3	3.8	4.3	4.8	5.3	5.9	6.4	6.9	7.4	7.9	8.4	8.9	9.4
2.00	30	60	—	—	—	—	—	3.4	3.9	4.4	4.9	5.4	5.9	6.4	6.9	7.4	7.9	8.5
2.10	10	21	3.9 ④	4.4 ④	4.9 ④	5.4 ④	5.9 ④	6.4 ④	6.9 ④	7.4 ④	7.9 ④	8.4 ④	8.9 ④	9.4 ④	9.9 ④	10.4 ④	10.9 ④	11.4 ④
2.10	20	42	2.3	2.8	3.3	3.8	4.3	4.9	5.4	5.9	6.4	6.9	7.4	7.9	8.4	8.9	9.4	9.9
2.10	21	44	—	2.7	3.2	3.7	4.2	4.7	5.2	5.7	6.2	6.7	7.2	7.7	8.2	8.7	9.2	9.7
2.13	15	32	3.1	3.6	4.1	4.6	5.1	5.6	6.1	6.6	7.1	7.6	8.1	8.6	9.1	9.6	10.1	10.6
2.14	14	30	3.3	3.8	4.3	4.8	5.3	5.8	6.3	6.8	7.3	7.8	8.3	8.8	9.3	9.8	10.3	10.8
2.14	28	60	—	—	—	—	—	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.6
2.18	11	24	3.7 ⑤	4.2 ⑤	4.7 ⑤	5.2 ⑤	5.7 ⑤	6.2 ⑤	6.7 ⑤	7.2 ⑤	7.7 ⑤	8.2 ⑤	8.7 ⑤	9.2 ⑤	9.7 ⑤	10.2 ⑤	10.7 ⑤	11.2 ⑤
2.18	22	48	—	—	2.9	3.4	3.9	4.4	4.9	5.4	5.9	6.4	7.0	7.5	8.0	8.5	9.0	9.5
2.20	10	22	3.9 ④	4.4 ④	4.9 ④	5.4 ④	5.9 ④	6.4 ④	6.9 ④	7.4 ④	7.9 ④	8.4 ④	8.9 ④	9.4 ④	9.9 ④	10.4 ④	10.9 ④	11.4 ④
2.20	20	44	—	2.7	3.2	3.7	4.2	4.7	5.2	5.8	6.3	6.8	7.3	7.8	8.3	8.8	9.3	9.8
2.22	18	40	2.5	3.0	3.5	4.0	4.5	5.1	5.6	6.1	6.6	7.1	7.6	8.1	8.6	9.1	9.6	10.1
2.25	16	36	2.8	3.3	3.8	4.4	4.9	5.4	5.9	6.4	6.9	7.4	7.9	8.4	8.9	9.4	9.9	10.4
2.29	14	32	3.1	3.7	4.2	4.7	5.2	5.7	6.2	6.7	7.2	7.7	8.2	8.7	9.2	9.7	10.2	10.7
2.29	21	48	—	2.4	2.9	3.4	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5
2.33	12	28	3.5 ⑤	4.0 ⑤	4.5 ⑤	5.0 ⑤	5.5 ⑤	6.0 ⑤	6.5 ⑤	7.0 ⑤	7.5 ⑤	8.0 ⑤	8.5 ⑤	9.0 ⑤	9.5 ⑤	10.0 ⑤	10.5 ⑤	11.0 ⑤
2.33	18	42	2.4	2.9	3.4	3.9	4.4	4.9	5.4	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0

Center Distances shown are theoretical; manufacturing tolerances on belt lengths and pulley diameters can affect the actual center distance of a drive. Belt Numbers at the head of center distance columns indicate pitch length (multiplied by ten) and pitch. For example, a "110XL" belt is 11 inches long and is for use with 1/5 inch pitch pulleys. This part number must be completed by adding the belt width, for example, adding 025 to this number (making the complete part number read "110XL025") indicates that the belt is 1/4 inch wide.

When the center distance for a specific pulley and belt combination is followed by a number in a circle, the horsepower for one inch wide belt must be multiplied by factor at right:

Teeth in Mesh	Factor
⑤	.80
④	.60
③	.40

When the center distance is 8 or more times the diameter of the small pulley or when drive operates on vertical shafts, both pulleys should be flanged.

Table No.1

1/5″ Pitch Drive Table

Pulley Combination					Avail-able Belt Widths		Driven Speeds and Horsepower for 1″ Wide Belt						Nominal Center Distances Using Browning® Gearbelt®				
	Driver		Driven				3500 RPM Motor		1750 RPM Motor		1160 RPM Motor						
Nominal Ratio	Number Grooves	Pitch Dia.	Number Grooves	Pitch Dia.	025	037	Driven Speed	HP for 1″ Belt	Driven Speed	HP for 1″ Belt	Driven Speed	HP for 1″ Belt	60 XL	70 XL	80 XL	90 XL	100 XL
2.40	10	.637	24	1.528	x	x	1458	*.72	729	*.36	483	.24	—	1.7 ④	2.3 ④	2.8 ④	3.3 ④
2.40	15	.955	36	2.292	x	x	1458	1.08	729	.54	483	.36	—	—	—	1.8 ⑤	2.4
2.40	20	1.273	48	3.056	x	x	1458	1.43	729	.72	483	.48	—	—	—	—	—
2.40	30	1.910	72	4.584	x	x	1458	2.11	729	1.08	483	.72	—	—	—	—	—
2.44	18	1.146	44	2.801	x	x	1432	1.29	716	.65	475	.43	—	—	—	—	—
2.50	12	.764	30	1.910	x	x	1400	.87	700	.43	464	.29	—	—	1.8 ④	2.3 ⑤	2.8 ⑤
2.50	16	1.019	40	2.546	x	x	1400	1.15	700	.58	464	.38	—	—	—	—	2.1
2.50	24	1.528	60	3.820	x	x	1400	1.71	700	.87	464	.58	—	—	—	—	—
2.55	11	.700	28	1.783	x	x	1375	*.79	688	.40	456	.26	—	1.5 ④	2.0 ④	2.5 ④	3.0 ④
2.57	14	.891	36	2.292	x	x	1361	1.01	681	.51	451	.34	—	—	—	1.9 ⑤	2.4 ⑤
2.57	28	1.783	72	4.584	x	x	1361	1.98	681	1.01	451	.67	—	—	—	—	—
2.63	16	1.019	42	2.674	x	x	1333	1.15	667	.58	442	.38	—	—	—	—	—
2.67	12	.764	32	2.037	x	x	1313	.87	656	.43	435	.29	—	—	1.7 ④	2.2 ④	2.7 ⑤
2.67	15	.955	40	2.546	x	x	1313	1.08	656	.54	435	.36	—	—	—	—	2.1 ⑤
2.67	18	1.146	48	3.056	x	x	1313	1.29	656	.65	435	.43	—	—	—	—	—
2.73	11	.700	30	1.910	x	x	1283	*.79	642	.40	425	.26	—	—	1.9 ④	2.4 ④	2.9 ④
2.73	22	1.401	60	3.820	x	x	1283	1.57	642	.79	425	.53	—	—	—	—	—
2.75	16	1.019	44	2.801	x	x	1273	1.15	636	.58	422	.38	—	—	—	—	—
2.80	10	.637	28	1.783	x	x	1250	*.72	625	*.36	414	.24	—	1.5 ③	2.0 ④	2.5 ④	3.0 ④
2.80	15	.955	42	2.674	x	x	1250	1.08	625	.54	414	.36	—	—	—	—	—
2.86	14	.891	40	2.546	x	x	1225	1.01	613	.51	406	.34	—	—	—	—	2.1 ⑤
2.86	21	1.337	60	3.820	x	x	1225	1.50	613	.76	406	.50	—	—	—	—	—
2.91	11	.700	32	2.037	x	x	1203	*.79	602	.40	399	.26	—	—	1.7 ④	2.3 ④	2.8 ④
2.93	15	.955	44	2.801	x	x	1193	1.08	597	.54	395	.36	—	—	—	—	—
3.00	10	.637	30	1.910	x	x	1167	*.72	583	*.36	387	.24	—	—	1.9 ③	2.4 ④	2.9 ④
3.00	12	.764	36	2.292	x	x	1167	.87	583	.43	387	.29	—	—	—	2.0 ④	2.5 ④
3.00	14	.891	42	2.674	x	x	1167	1.01	583	.51	387	.34	—	—	—	—	2.0 ⑤
3.00	16	1.019	48	3.056	x	x	1167	1.15	583	.58	387	.38	—	—	—	—	—
3.00	20	1.273	60	3.820	x	x	1167	1.43	583	.72	387	.48	—	—	—	—	—
3.00	24	1.528	72	4.584	x	x	1167	1.71	583	.87	387	.58	—	—	—	—	—
3.14	14	.891	44	2.801	x	x	1114	1.01	557	.51	369	.34	—	—	—	—	—
3.20	10	.637	32	2.037	x	x	1094	*.72	547	*.36	363	.24	—	—	1.8 ③	2.3 ④	2.8 ④
3.20	15	.955	48	3.056	x	x	1094	1.08	547	.54	363	.36	—	—	—	—	—
3.27	11	.700	36	2.292	x	x	1069	*.79	535	.40	354	.26	—	—	—	2.0 ④	2.5 ④
3.27	22	1.401	72	4.584	x	x	1069	1.57	535	.79	354	.53	—	—	—	—	—
3.33	12	.764	40	2.546	x	x	1050	.87	525	.43	348	.29	—	—	—	—	2.2 ④
3.33	18	1.146	60	3.820	x	x	1050	1.29	525	.65	348	.43	—	—	—	—	—
3.43	14	.891	48	3.056	x	x	1021	1.01	510	.51	338	.34	—	—	—	—	—
3.43	21	1.337	72	4.584	x	x	1021	1.50	510	.76	338	.50	—	—	—	—	—
3.50	12	.764	42	2.674	x	x	1000	.87	500	.43	331	.29	—	—	—	—	2.1 ④
3.60	10	.637	36	2.292	x	x	972	*.72	486	*.36	322	.24	—	—	—	2.0 ③	2.6 ③
3.60	20	1.273	72	4.584	x	x	972	1.43	486	.72	322	.48	—	—	—	—	—
3.64	11	.700	40	2.546	x	x	963	*.79	481	.40	319	.26	—	—	—	—	2.3 ④
3.67	12	.764	44	2.801	x	x	955	.87	477	.43	316	.29	—	—	—	—	—
3.75	16	1.019	60	3.820	x	x	933	1.15	467	.58	309	.38	—	—	—	—	—
3.82	11	.700	42	2.674	x	x	917	*.79	458	.40	304	.26	—	—	—	—	2.1 ③
4.00	10	.637	40	2.546	x	x	875	*.72	438	*.36	290	.24	—	—	—	—	2.3 ③
4.00	11	.700	44	2.801	x	x	875	*.79	438	.40	290	.26	—	—	—	—	2.0 ③
4.00	12	.764	48	3.056	x	x	875	.87	438	.43	290	.29	—	—	—	—	—
4.00	15	.955	60	3.820	x	x	875	1.08	438	.54	290	.36	—	—	—	—	—
4.00	18	1.146	72	4.584	x	x	875	1.29	438	.65	290	.43	—	—	—	—	—
4.20	10	.637	42	2.674	x	x	833	*.72	417	*.36	276	.24	—	—	—	—	2.2 ③
4.29	14	.891	60	3.820	x	x	817	1.01	408	.51	271	.34	—	—	—	—	—
4.36	11	.700	48	3.056	x	x	802	*.79	401	.40	266	.26	—	—	—	—	—
4.40	10	.637	44	2.801	x	x	795	*.72	398	*.36	264	.24	—	—	—	—	2.0 ③
4.50	16	1.019	72	4.584	x	x	778	1.15	389	.58	258	.38	—	—	—	—	—
4.80	10	.637	48	3.056	x	x	729	*.72	365	* .36	242	.24	—	—	—	—	—
4.80	15	.955	72	4.584	x	x	729	1.08	365	.54	242	.36	—	—	—	—	—
5.00	12	.764	60	3.820	x	x	700	.87	350	.43	232	.29	—	—	—	—	—
5.14	14	.891	72	4.584	x	x	681	1.01	340	.51	226	.34	—	—	—	—	—
5.45	11	.700	60	3.820	x	x	642	*.79	321	.40	213	.26	—	—	—	—	—
6.00	10	.637	60	3.820	x	x	583	* .72	292	*.36	193	.24	—	—	—	—	—
6.00	12	.764	72	4.584	x	x	583	.87	292	.43	193	.29	—	—	—	—	—
6.55	11	.700	72	4.584	x	x	535	*.79	267	.40	177	.26	—	—	—	—	—
7.20	10	.637	72	4.584	x	x	486	*.72	243	*.36	161	.24	—	—	—	—	—

Horsepower Ratings shown in these tables are for a 1" wide belt. To find the belt width required, divide the **NORMAL RATING** (See Page E-21) of the drive by the Horsepower shown in the table above. The result is the "Effective Belt Width". Using this, or the next higher figure, determine the "Actual Belt Width" from the following table:

Effective Belt Width……..	**.15"**	**.21"**	**.28"**	**.42"**	**.57"**	**.71"**	**1.00"**	**1.29"**	**1.56"**
Actual Belt Width…….	1/4	5/16	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2

*This rating is for a pulley below the minimum recommended on page E-22 and, therefore, a reduction in belt life should be expected.

When the center distance for a specific pulley and belt combination is followed by a number in a circle, the horsepower for one inch wide belt must be multiplied by factor at right:

Teeth in Mesh	Factor
⑤	**.80**
④	**.60**
③	**.40**

E

Table No. 1

1/5″ Pitch Drive Table

Nominal Ratio	Pulley Combination Driver Number Grooves	Pulley Combination Driven Number Grooves	Nominal Center Distances using Browning® Gearbelt® 110 XL	120 XL	130 XL	140 XL	150 XL	160 XL	170 XL	180 XL	190 XL	200 XL	210 XL	220 XL	230 XL	240 XL	250 XL	260 XL
2.40	10	24	3.8 ④	4.3 ④	4.8 ④	5.3 ④	5.8 ④	6.3 ④	6.8 ④	7.3 ④	7.8 ④	8.3 ④	8.8 ④	9.3 ④	9.8 ④	10.3 ④	10.8 ④	11.3 ④
2.40	15	36	2.9	3.4	3.9	4.4	4.9	5.4	5.9	6.4	6.9	7.4	7.9	8.4	8.9	9.4	9.9	10.4
2.40	20	48	—	2.4	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.1	8.6	9.1	9.6
2.40	30	72	—	—	—	—	—	—	—	3.7	4.2	4.7	5.2	5.7	6.3	6.8	7.3	7.8
2.44	18	44	2.2	2.8	3.3	3.8	4.3	4.8	5.3	5.8	6.3	6.9	7.4	7.9	8.4	8.9	9.4	9.9
2.50	12	30	3.4 ⑤	3.9 ⑤	4.4 ⑤	4.9 ⑤	5.4 ⑤	5.9 ⑤	6.4 ⑤	6.9 ⑤	7.4 ⑤	7.9 ⑤	8.4 ⑤	8.9 ⑤	9.4 ⑤	9.9 ⑤	10.4 ⑤	10.9 ⑤
2.50	16	40	2.6	3.1	3.6	4.1	4.6	5.1	5.6	6.2	6.7	7.2	7.7	8.2	8.7	9.2	9.7	10.2
2.50	24	60	—	—	—	—	3.1	3.6	4.1	4.7	5.2	5.7	6.2	6.7	7.2	7.7	8.2	8.8
2.55	11	28	3.5 ④	4.0 ⑤	4.5 ⑤	5.0 ⑤	5.5 ⑤	6.0 ⑤	6.5 ⑤	7.0 ⑤	7.5 ⑤	8.0 ⑤	8.5 ⑤	9.0 ⑤	9.5 ⑤	10.0 ⑤	10.5 ⑤	11.0 ⑤
2.57	14	36	2.9 ⑤	3.4	3.9	4.4	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5
2.57	28	72	—	—	—	—	—	—	—	3.7	4.3	4.8	5.3	5.8	6.3	6.9	7.4	7.9
2.63	16	42	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.1	7.6	8.1	8.6	9.1	9.6	10.1
2.67	12	32	3.2 ⑤	3.7 ⑤	4.3 ⑤	4.8 ⑤	5.3 ⑤	5.8 ⑤	6.3 ⑤	6.8 ⑤	7.3 ⑤	7.8 ⑤	8.3 ⑤	8.8 ⑤	9.3 ⑤	9.8 ⑤	10.3 ⑤	10.8 ⑤
2.67	15	40	2.6	3.2	3.7	4.2	4.7	5.2	5.7	6.2	6.7	7.2	7.7	8.2	8.7	9.2	9.7	10.2
2.67	18	48	—	2.5	3.1	3.6	4.1	4.6	5.1	5.6	6.1	6.6	7.1	7.6	8.1	8.6	9.2	9.7
2.73	11	30	3.4 ④	3.9 ④	4.4 ⑤	4.9 ⑤	5.4 ⑤	5.9 ⑤	6.4 ⑤	6.9 ⑤	7.4 ⑤	7.9 ⑤	8.4 ⑤	8.9 ⑤	9.4 ⑤	9.9 ⑤	10.4 ⑤	10.9 ⑤
2.73	22	60	—	—	—	—	3.2	3.7	4.2	4.7	5.3	5.8	6.3	6.8	7.3	7.8	8.3	8.9
2.75	16	44	2.3	2.9	3.4	3.9	4.4	4.9	5.4	5.9	6.4	6.9	7.4	8.0	8.5	9.0	9.5	10.0
2.80	10	28	3.6 ④	4.1 ④	4.6 ④	5.1 ④	5.6 ④	6.1 ④	6.6 ④	7.1 ④	7.6 ④	8.1 ④	8.6 ④	9.1 ④	9.6 ④	10.1 ④	10.6 ④	11.1 ④
2.80	15	42	2.5 ⑤	3.0	3.5	4.1	4.6	5.1	5.6	6.1	6.6	7.1	7.6	8.1	8.6	9.1	9.6	10.1
2.86	14	40	2.7 ⑤	3.2 ⑤	3.7	4.2	4.7	5.2	5.7	6.2	6.8	7.3	7.8	8.3	8.8	9.3	9.8	10.3
2.86	21	60	—	—	—	—	3.2	3.7	4.3	4.8	5.3	5.8	6.3	6.8	7.3	7.9	8.4	8.9
2.91	11	32	3.3 ④	3.8 ④	4.3 ④	4.8 ⑤	5.3 ⑤	5.8 ⑤	6.3 ⑤	6.8 ⑤	7.3 ⑤	7.8 ⑤	8.3 ⑤	8.8 ⑤	9.3 ⑤	9.8 ⑤	10.3 ⑤	10.8 ⑤
2.93	15	44	2.4 ⑤	2.9 ⑤	3.4	3.9	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0
3.00	10	30	3.4 ④	3.9 ④	4.5 ④	5.0 ④	5.5 ④	6.0 ④	6.5 ④	7.0 ④	7.5 ④	8.0 ④	8.5 ④	9.0 ④	9.5 ④	10.0 ④	10.5 ④	11.0 ④
3.00	12	36	3.0 ⑤	3.5 ⑤	4.0 ⑤	4.5 ⑤	5.0 ⑤	5.5 ⑤	6.1 ⑤	6.6 ⑤	7.1 ⑤	7.6 ⑤	8.1 ⑤	8.6 ⑤	9.1 ⑤	9.6 ⑤	10.1 ⑤	10.6 ⑤
3.00	14	42	2.5 ⑤	3.1 ⑤	3.6 ⑤	4.1	4.6	5.1	5.6	6.1	6.6	7.1	7.6	8.2	8.7	9.2	9.7	10.2
3.00	16	48	—	2.6	3.1	3.7	4.2	4.7	5.2	5.7	6.2	6.7	7.2	7.7	8.2	8.7	9.2	9.8
3.00	20	60	—	—	—	—	3.3	3.8	4.3	4.8	5.4	5.9	6.4	6.9	7.4	7.9	8.4	9.0
3.00	24	72	—	—	—	—	—	—	3.4	3.9	4.4	5.0	5.5	6.0	6.5	7.0	7.5	8.1
3.14	14	44	2.4 ⑤	2.9 ⑤	3.5 ⑤	4.0 ⑤	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.1	9.6	10.1
3.20	10	32	3.3 ④	3.8 ④	4.3 ④	4.9 ④	5.4 ④	5.9 ④	6.4 ④	6.9 ④	7.4 ④	7.9 ④	8.4 ④	8.9 ④	9.4 ④	9.9 ④	10.4 ④	10.9 ④
3.20	15	48	—	2.6 ⑤	3.2 ⑤	3.7	4.2	4.7	5.2	5.8	6.3	6.8	7.3	7.8	8.3	8.8	9.3	9.8
3.27	11	36	3.0 ④	3.6 ④	4.1 ④	4.6 ④	5.1 ④	5.6 ⑤	6.1 ⑤	6.6 ⑤	7.1 ⑤	7.6 ⑤	8.1 ⑤	8.6 ⑤	9.1 ⑤	9.6 ⑤	10.1 ⑤	10.6 ⑤
3.27	22	72	—	—	—	—	—	—	3.4	4.0	4.5	5.1	5.6	6.1	6.6	7.1	7.6	8.2
3.33	12	40	2.8 ④	3.3 ④	3.8 ⑤	4.3 ⑤	4.8 ⑤	5.3 ⑤	5.8 ⑤	6.3 ⑤	6.8 ⑤	7.3 ⑤	7.9 ⑤	8.4 ⑤	8.9 ⑤	9.4 ⑤	9.9 ⑤	10.4 ⑤
3.33	18	60	—	—	—	2.8	3.3	3.9	4.4	4.9	5.4	6.0	6.5	7.0	7.5	8.0	8.5	9.0
3.43	14	48	—	2.7 ⑤	3.2 ⑤	3.7 ⑤	4.3 ⑤	4.8 ⑤	5.3	5.8	6.3	6.8	7.3	7.8	8.3	8.8	9.3	9.9
3.43	21	72	—	—	—	—	—	—	3.5	4.0	4.6	5.1	5.6	6.1	6.7	7.2	7.7	8.3
3.50	12	42	2.6 ④	3.2 ④	3.7 ⑤	4.2 ⑤	4.7 ⑤	5.2 ⑤	5.7 ⑤	6.2 ⑤	6.7 ⑤	7.2 ⑤	7.7 ⑤	8.2 ⑤	8.7 ⑤	9.3 ⑤	9.8 ⑤	10.3 ⑤
3.60	10	36	3.1 ④	3.6 ④	4.1 ④	4.6 ④	5.1 ④	5.6 ④	6.1 ④	6.6 ④	7.2 ④	7.7 ④	8.2 ④	8.7 ④	9.2 ④	9.7 ④	10.2 ④	10.7 ④
3.60	20	72	—	—	—	—	—	—	3.5	4.1	4.6	5.1	5.7	6.2	6.7	7.2	7.7	8.3
3.64	11	40	2.8 ④	3.3 ④	3.8 ④	4.4 ④	4.9 ④	5.4 ④	5.9 ④	6.4 ④	6.9 ⑤	7.4 ⑤	7.9 ⑤	8.4 ⑤	8.9 ⑤	9.4 ⑤	9.9 ⑤	10.4 ⑤
3.67	12	44	2.5 ④	3.0 ④	3.6 ④	4.1 ⑤	4.6 ⑤	5.1 ⑤	5.6 ⑤	6.1 ⑤	6.6 ⑤	7.1 ⑤	7.6 ⑤	8.1 ⑤	8.6 ⑤	9.1 ⑤	9.6 ⑤	10.2 ⑤
3.75	16	60	—	—	—	2.9 ⑤	3.4 ⑤	4.0	4.5	5.0	5.5	6.0	6.6	7.1	7.6	8.1	8.6	9.1
3.82	11	42	2.7 ④	3.2 ④	3.7 ④	4.2 ④	4.7 ④	5.3 ④	5.8 ④	6.3 ④	6.8 ④	7.3 ⑤	7.8 ⑤	8.3 ⑤	8.8 ⑤	9.3 ⑤	9.8 ⑤	10.3 ⑤
4.00	10	40	2.8 ③	3.4 ④	3.9 ④	4.4 ④	4.9 ④	5.4 ④	5.9 ④	6.4 ④	6.9 ④	7.4 ④	7.9 ④	8.4 ④	9.0 ④	9.5 ④	10.0 ④	10.5 ④
4.00	11	44	2.5 ④	3.1 ④	3.6 ④	4.1 ④	4.6 ④	5.1 ④	5.7 ④	6.2 ④	6.7 ④	7.2 ④	7.7 ⑤	8.2 ⑤	8.7 ⑤	9.2 ⑤	9.7 ⑤	10.2 ⑤
4.00	12	48	2.2 ④	2.8 ④	3.3 ④	3.8 ④	4.4 ④	4.9 ⑤	5.4 ⑤	5.9 ⑤	6.4 ⑤	6.9 ⑤	7.4 ⑤	7.9 ⑤	8.4 ⑤	8.9 ⑤	9.4 ⑤	10.0 ⑤
4.00	15	60	—	—	—	2.9 ⑤	3.5 ⑤	4.0 ⑤	4.5 ⑤	5.0	5.6	6.1	6.6	7.1	7.6	8.1	8.6	9.2
4.00	18	72	—	—	—	—	—	—	3.6	4.1	4.7	5.2	5.7	6.3	6.8	7.3	7.8	8.4
4.20	10	42	2.7 ③	3.2 ④	3.8 ④	4.3 ④	4.8 ④	5.3 ④	5.8 ④	6.3 ④	6.8 ④	7.3 ④	7.8 ④	8.3 ④	8.8 ④	9.3 ④	9.8 ④	10.4 ④
4.29	14	60	—	—	—	2.9 ④	3.5 ⑤	4.0 ⑤	4.6 ⑤	5.1 ⑤	5.6 ⑤	6.1 ⑤	6.6	7.2	7.7	8.2	8.7	9.2
4.36	11	48	2.2 ③	2.8 ④	3.3 ④	3.9 ④	4.4 ④	4.9 ④	5.4 ④	5.9 ④	6.4 ④	7.0 ④	7.5 ④	8.0 ④	8.5 ⑤	9.0 ⑤	9.5 ⑤	10.0 ⑤
4.40	10	44	2.6 ③	3.1 ③	3.6 ④	4.2 ④	4.7 ④	5.2 ④	5.7 ④	6.2 ④	6.7 ④	7.2 ④	7.7 ④	8.2 ④	8.7 ④	9.2 ④	9.7 ④	10.3 ④
4.50	16	72	—	—	—	—	—	3.1 ⑤	3.7 ⑤	4.2 ⑤	4.8	5.3	5.8	6.4	6.9	7.4	7.9	8.5
4.80	10	48	2.3 ③	2.8 ③	3.4 ③	3.9 ④	4.4 ④	5.0 ④	5.5 ④	6.0 ④	6.5 ④	7.0 ④	7.5 ④	8.0 ④	8.5 ④	9.0 ④	9.5 ④	10.1 ④
4.80	15	72	—	—	—	—	—	3.1 ④	3.7 ⑤	4.3 ⑤	4.8 ⑤	5.3 ⑤	5.9	6.4	6.9	7.4	7.9	8.5
5.00	12	60	—	—	—	3.0 ④	3.6 ④	4.1 ④	4.7 ④	5.2 ④	5.7 ④	6.2 ⑤	6.7 ⑤	7.2 ⑤	7.8 ⑤	8.3 ⑤	8.8 ⑤	9.3 ⑤
5.14	14	72	—	—	—	—	—	3.2 ④	3.8 ④	4.3 ⑤	4.9 ⑤	5.4 ⑤	5.9 ⑤	6.4 ⑤	7.0 ⑤	7.5 ⑤	8.0 ⑤	8.6
5.45	11	60	—	—	2.5 ③	3.1 ③	3.6 ③	4.2 ④	4.7 ④	5.2 ④	5.7 ④	6.3 ④	6.8 ④	7.3 ④	7.8 ④	8.3 ④	8.8 ④	9.4 ⑤
6.00	10	60	—	—	2.5 ②	3.1 ③	3.7 ③	4.2 ③	4.7 ③	5.3 ④	5.8 ④	6.3 ④	6.8 ④	7.3 ④	7.8 ④	8.4 ④	8.9 ④	9.4 ④
6.00	12	72	—	—	—	—	—	3.3 ③	3.8 ④	4.4 ④	4.9 ④	5.5 ④	6.0 ④	6.5 ④	7.0 ④	7.6 ⑤	8.1 ⑤	8.7 ⑤
6.55	11	72	—	—	—	—	—	3.3 ③	3.9 ③	4.4 ③	5.0 ④	5.5 ④	6.0 ④	6.6 ④	7.1 ④	7.6 ④	8.1 ④	8.7 ⑤
7.20	10	72	—	—	—	—	—	3.3 ③	3.9 ③	4.5 ③	5.0 ③	5.6 ③	6.1 ③	6.6 ④	7.1 ④	7.6 ④	8.2 ④	8.8 ④

Center Distances shown are theoretical; manufacturing tolerances on belt lengths and pulley diameters can affect the actual center distance of a drive. Belt Numbers at the head of center distance columns indicate pitch length (multiplied by ten) and pitch. For example, a "110XL" belt is 11 inches long and is for use with 1/5 inch pitch pulleys. This part number must be completed by adding the belt width, for example, adding 025 to this number (making the complete part number read "110XL025") indicates that the belt is 1/4 inch wide.

When the center distance for a specific pulley and belt combination is followed by a number in a circle, the horsepower for one inch wide belt must be multiplied by factor at right:

Teeth in Mesh	Factor
⑤	.80
④	.60
③	.40

When the center distance is 8 or more times the diameter of the small pulley or when drive operates on vertical shafts, both pulleys should be flanged.

Table No. 1

3/8″ Pitch Drive Table

Pulley Combination					Avail-able Belt Widths			Driven Speeds and Horsepower for 1″ Wide Belt						Nominal Center Distances Using Browning® Gearbelt®				
	Driver		Driven					3500 RPM Motor		1750 RPM Motor		1160 RPM Motor						
Nominal Ratio	Number Grooves	Pitch Dia.	Number Grooves	Pitch Dia.	050	075	100	Driven Speed	HP for 1″ Belt	Driven Speed	HP for 1″ Belt	Driven Speed	HP for 1″ Belt	124 L	150 L	187 L	210 L	225 L
1.00	10	1.194	10	1.194	x	-	-	3500	*1.80	1750	*.91	1160	*.60	4.3 ⑤	5.6 ⑤	7.5 ⑤	8.6 ⑤	9.4 ⑤
1.00	12	1.432	12	1.432	x	x	-	3500	*2.15	1750	*1.09	1160	.72	3.9	5.3	7.1	8.3	9.0
1.00	13	1.552	13	1.552	x	x	x	3500	*2.32	1750	*1.18	1160	.78	3.8	5.1	6.9	8.1	8.8
1.00	14	1.671	14	1.671	x	x	x	3500	*2.49	1750	1.27	1160	.84	3.6	4.9	6.8	7.9	8.6
1.00	15	1.790	15	1.790	x	x	x	3500	*2.66	1750	1.36	1160	.90	3.4	4.7	6.6	7.7	8.4
1.00	16	1.910	16	1.910	x	x	x	3500	2.83	1750	1.45	1160	.96	3.2	4.5	6.4	7.5	8.3
1.00	17	2.029	17	2.029	x	x	x	3500	2.99	1750	1.54	1160	1.02	3.0	4.3	6.2	7.3	8.1
1.00	18	2.149	18	2.149	x	x	x	3500	3.15	1750	1.62	1160	1.08	2.8	4.1	6.0	7.1	7.9
1.00	19	2.268	19	2.268	x	x	x	3500	3.31	1750	1.71	1160	1.14	—	3.9	5.8	6.9	7.7
1.00	20	2.387	20	2.387	x	x	x	3500	3.47	1750	1.80	1160	1.20	—	3.8	5.6	6.8	7.5
1.00	21	2.507	21	2.507	x	x	x	3500	3.62	1750	1.89	1160	1.26	—	3.6	5.4	6.6	7.3
1.00	22	2.626	22	2.626	x	x	x	3500	3.78	1750	1.98	1160	1.32	—	3.4	5.3	6.4	7.1
1.00	24	2.865	24	2.865	x	x	x	3500	4.07	1750	2.15	1160	1.44	—	—	4.9	6.0	6.8
1.00	26	3.104	26	3.104	x	x	x	3500	4.35	1750	2.32	1160	1.56	—	—	4.5	5.6	6.4
1.00	28	3.342	28	3.342	x	x	x	3500	4.62	1750	2.49	1160	1.67	—	—	4.1	5.3	6.0
1.00	30	3.581	30	3.581	x	x	x	3500	4.88	1750	2.66	1160	1.79	—	—	—	4.9	5.6
1.00	32	3.820	32	3.820	x	x	x	3500	5.11	1750	2.83	1160	1.91	—	—	—	4.5	5.3
1.00	36	4.297	36	4.297	x	x	x	3500	5.54	1750	3.15	1160	2.14	—	—	—	—	—
1.00	40	4.775	40	4.775	x	x	x	3500	5.88	1750	3.47	1160	2.37	—	—	—	—	—
1.00	44	5.252	44	5.252	x	x	x	3500	6.15	1750	3.78	1160	2.59	—	—	—	—	—
1.00	48	5.730	48	5.730	x	x	x	3500	6.32	1750	4.07	1160	2.81	—	—	—	—	—
1.05	19	2.268	20	2.387	x	x	x	3325	3.31	1663	1.71	1102	1.14	—	3.8	5.7	6.8	7.6
1.05	20	2.387	21	2.507	x	x	x	3333	3.47	1667	1.80	1105	1.20	—	3.7	5.5	6.7	7.4
1.05	21	2.507	22	2.626	x	x	x	3341	3.62	1670	1.89	1107	1.26	—	3.5	5.3	6.5	7.2
1.06	16	1.910	17	2.029	x	x	x	3294	2.83	1647	1.45	1092	.96	3.1	4.4	6.3	7.4	8.2
1.06	17	2.029	18	2.149	x	x	x	3306	2.99	1653	1.54	1096	1.02	2.9	4.2	6.1	7.2	8.0
1.06	18	2.149	19	2.268	x	x	x	3316	3.15	1658	1.62	1099	1.08	2.7	4.0	5.9	7.0	7.8
1.07	14	1.671	15	1.790	x	x	x	3267	*2.49	1633	1.27	1083	.84	3.5	4.8	6.7	7.8	8.5
1.07	15	1.790	16	1.910	x	x	x	3281	*2.66	1641	1.36	1088	.90	3.3	4.6	6.5	7.6	8.3
1.07	28	3.342	30	3.581	x	x	x	3267	4.62	1633	2.49	1083	1.67	—	—	3.9	5.1	5.8
1.07	30	3.581	32	3.820	x	x	x	3281	4.88	1641	2.66	1088	1.79	—	—	—	4.7	5.4
1.08	12	1.432	13	1.552	x	x	-	3231	*2.15	1615	*1.09	1071	.72	3.8 ⑤	5.2 ⑤	7.0 ⑤	8.2 ⑤	8.9 ⑤
1.08	13	1.552	14	1.671	x	x	x	3250	*2.32	1625	*1.18	1077	.78	3.7	5.0	6.8	8.0	8.7
1.08	24	2.865	26	3.104	x	x	x	3231	4.07	1615	2.15	1071	1.44	—	—	4.7	5.8	6.6
1.08	26	3.104	28	3.342	x	x	x	3250	4.35	1625	2.32	1077	1.56	—	—	4.3	5.4	6.2
1.09	22	2.626	24	2.865	x	x	x	3208	3.78	1604	1.98	1063	1.32	—	3.2	5.1	6.2	6.9
1.09	44	5.252	48	5.730	x	x	x	3208	6.15	1604	3.78	1063	2.59	—	—	—	—	—
1.10	20	2.387	22	2.626	x	x	x	3182	3.47	1591	1.80	1055	1.20	—	3.6	5.4	6.6	7.3
1.10	40	4.775	44	5.252	x	x	x	3182	5.88	1591	3.47	1055	2.37	—	—	—	—	—
1.11	18	2.149	20	2.387	x	x	x	3150	3.15	1575	1.62	1044	1.08	—	3.9	5.8	6.9	7.7
1.11	19	2.268	21	2.507	x	x	x	3167	3.31	1583	1.71	1050	1.14	—	3.8	5.6	6.8	7.5
1.11	36	4.297	40	4.775	x	x	x	3150	5.54	1575	3.15	1044	2.14	—	—	—	—	—
1.13	16	1.910	18	2.149	x	x	x	3111	2.83	1556	1.45	1031	.96	3.0	4.3	6.2	7.3	8.1
1.12	17	2.029	19	2.268	x	x	x	3132	2.99	1566	1.54	1038	1.02	2.8	4.1	6.0	7.1	7.9
1.13	32	3.820	36	4.297	x	x	x	3111	5.11	1556	2.83	1031	1.91	—	—	—	—	4.9
1.13	15	1.790	17	2.029	x	x	x	3088	*2.66	1544	1.36	1024	.90	3.2	4.5	6.4	7.5	8.3
1.14	14	1.671	16	1.910	x	x	x	3063	*2.49	1531	1.27	1015	.84	3.4	4.7	6.6	7.7	8.4
1.14	21	2.507	24	2.865	x	x	x	3063	3.62	1531	1.89	1015	1.26	—	3.3	5.2	6.3	7.0
1.14	28	3.342	32	3.820	x	x	x	3063	4.62	1531	2.49	1015	1.67	—	—	—	4.9	5.6
1.15	13	1.552	15	1.790	x	x	x	3033	*2.32	1517	*1.18	1005	.78	3.6	4.9	6.8	7.9	8.6
1.15	26	3.104	30	3.581	x	x	x	3033	4.35	1517	2.32	1005	1.56	—	—	4.1	5.2	6.0
1.16	19	2.268	22	2.626	x	x	x	3023	3.31	1511	1.71	1002	1.14	—	3.7	5.5	6.7	7.4
1.17	12	1.432	14	1.671	x	x	x	3000	*2.15	1500	*1.09	994	.72	3.7 ⑤	5.1 ⑤	6.9 ⑤	8.1 ⑤	8.8 ⑤
1.17	18	2.149	21	2.507	x	x	x	3000	3.15	1500	1.62	994	1.08	—	3.8	5.7	6.8	7.6
1.17	24	2.865	28	3.342	x	x	x	3000	4.07	1500	2.15	994	1.44	—	—	4.5	5.6	6.4
1.18	17	2.029	20	2.387	x	x	x	2975	2.99	1488	1.54	986	1.02	2.7	4.0	5.9	7.0	7.8
1.18	22	2.626	26	3.104	x	x	x	2962	3.78	1481	1.98	982	1.32	—	—	4.9	6.0	6.7
1.19	16	1.910	19	2.268	x	x	x	2947	2.83	1474	1.45	977	.96	2.9	4.2	6.1	7.2	8.0
1.20	10	1.194	12	1.432	x	-	-	2917	*1.80	1458	*.91	967	*.60	4.1 ④	5.4 ④	7.3 ④	8.4 ④	9.2 ④
1.20	15	1.790	18	2.149	x	x	x	2917	*2.66	1458	1.36	967	.90	3.1	4.4	6.3	7.4	8.2
1.20	20	2.387	24	2.865	x	x	x	2917	3.47	1458	1.80	967	1.20	—	3.4	5.2	6.4	7.1
1.20	30	3.581	36	4.297	x	x	x	2917	4.88	1458	2.66	967	1.79	—	—	—	—	5.1
1.20	40	4.775	48	5.730	x	x	x	2917	5.88	1458	3.47	967	2.37	—	—	—	—	—
1.21	14	1.671	17	2.029	x	x	x	2882	*2.49	1441	1.27	955	.84	3.3	4.6	6.5	7.6	8.3
1.22	18	2.149	22	2.626	x	x	x	2864	3.15	1432	1.62	949	1.08	—	3.7	5.6	6.7	7.5
1.22	36	4.297	44	5.252	x	x	x	2864	5.54	1432	3.15	949	2.14	—	—	—	—	—
1.23	13	1.552	16	1.910	x	x	x	2844	*2.32	1422	*1.18	943	.78	3.5	4.8	6.7	7.8	8.5

Horsepower Ratings shown in these tables are for a 1" wide belt. To find the belt width required, divide the **NORMAL RATING** (See Page E-21) of the drive by the Horsepower shown in the table above. The result is the "Effective Belt Width". Using this, or the next higher figure, determine the "Actual Belt Width" from the following table:

Effective Belt Width……..	**.28"**	**.42"**	**.57"**	**.71"**	**1.00"**	**1.29"**	**1.56"**	**2.14"**	**2.72"**	**3.36"**
Actual Belt Width……..	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	2	2 1/2	3

*This rating is for a pulley below the minimum recommended on page E-22 and, therefore, a reduction in belt life should be expected.

When the center distance for a specific pulley and belt combination is followed by a number in a circle, the horsepower for one inch wide belt must be multiplied by factor at right:

Teeth in Mesh	Factor
⑤	**.80**
④	**.60**
③	**.40**

Table No.1

3/8″ Pitch Drive Table

Nominal Ratio	Pulley Combination Driver Number Grooves	Pulley Combination Driven Number Grooves	Nominal Center Distances using Browning® Gearbelt® 240 L	255 L	270 L	285 L	300 L	322 L	345 L	367 L	390 L	420 L	450 L	480 L	510 L	540 L	600 L
1.00	10	10	10.1 ⑤	10.9 ⑤	11.6 ⑤	12.4 ⑤	13.1 ⑤	14.3 ⑤	15.4 ⑤	16.5 ⑤	17.6 ⑤	19.1 ⑤	20.6 ⑤	22.1 ⑤	23.6 ⑤	25.1 ⑤	28.1 ⑤
1.00	12	12	9.8	10.5	11.3	12.0	12.8	13.9	15.0	16.1	17.3	18.8	20.3	21.8	23.3	24.8	27.8
1.00	13	13	9.6	10.3	11.1	11.8	12.6	13.7	14.8	15.9	17.1	18.6	20.1	21.6	23.1	24.6	27.6
1.00	14	14	9.4	10.1	10.9	11.6	12.4	13.5	14.6	15.8	16.9	18.4	19.9	21.4	22.9	24.4	27.4
1.00	15	15	9.2	9.9	10.7	11.4	12.2	13.3	14.4	15.6	16.7	18.2	19.7	21.2	22.7	24.2	27.2
1.00	16	16	9.0	9.8	10.5	11.3	12.0	13.1	14.3	15.4	16.5	18.0	19.5	21.0	22.5	24.0	27.0
1.00	17	17	8.8	9.6	10.3	11.1	11.8	12.9	14.1	15.2	16.3	17.8	19.3	20.8	22.3	23.8	26.8
1.00	18	18	8.6	9.4	10.1	10.9	11.6	12.8	13.9	15.0	16.1	17.6	19.1	20.6	22.1	23.6	26.6
1.00	19	19	8.4	9.2	9.9	10.7	11.4	12.6	13.7	14.8	15.9	17.4	18.9	20.4	21.9	23.4	26.4
1.00	20	20	8.3	9.0	9.8	10.5	11.3	12.4	13.5	14.6	15.8	17.3	18.8	20.3	21.8	23.3	26.3
1.00	21	21	8.1	8.8	9.6	10.3	11.1	12.2	13.3	14.4	15.6	17.1	18.6	20.1	21.6	23.1	26.1
1.00	22	22	7.9	8.6	9.4	10.1	10.9	12.0	13.1	14.3	15.4	16.9	18.4	19.9	21.4	22.9	25.9
1.00	24	24	7.5	8.3	9.0	9.8	10.5	11.6	12.8	13.9	15.0	16.5	18.0	19.5	21.0	22.5	25.5
1.00	26	26	7.1	7.9	8.6	9.4	10.1	11.3	12.4	13.5	14.6	16.1	17.6	19.1	20.6	22.1	25.1
1.00	28	28	6.8	7.5	8.3	9.0	9.8	10.9	12.0	13.1	14.3	15.8	17.3	18.8	20.3	21.8	24.8
1.00	30	30	6.4	7.1	7.9	8.6	9.4	10.5	11.6	12.8	13.9	15.4	16.9	18.4	19.9	21.4	24.4
1.00	32	32	6.0	6.8	7.5	8.3	9.0	10.1	11.3	12.4	13.5	15.0	16.5	18.0	19.5	21.0	24.0
1.00	36	36	5.3	6.0	6.8	7.5	8.3	9.4	10.5	11.6	12.8	14.3	15.8	17.3	18.8	20.3	23.3
1.00	40	40	—	5.3	6.0	6.8	7.5	8.6	9.8	10.9	12.0	13.5	15.0	16.5	18.0	19.5	22.5
1.00	44	44	—	—	—	6.0	6.8	7.9	9.0	10.1	11.3	12.8	14.3	15.8	17.3	18.8	21.8
1.00	48	48	—	—	—	—	—	7.1	8.3	9.4	10.5	12.0	13.5	15.0	16.5	18.0	21.0
1.05	19	20	8.3	9.1	9.8	10.6	11.3	12.5	13.6	14.7	15.8	17.3	18.8	20.3	21.8	23.3	26.3
1.05	20	21	8.2	8.9	9.7	10.4	11.2	12.3	13.4	14.5	15.7	17.2	18.7	20.2	21.7	23.2	26.2
1.05	21	22	8.0	8.7	9.5	10.2	11.0	12.1	13.2	14.3	15.5	17.0	18.5	20.0	21.5	23.0	26.0
1.06	16	17	8.9	9.7	10.4	11.2	11.9	13.0	14.2	15.3	16.4	17.9	19.4	20.9	22.4	23.9	26.9
1.06	17	18	8.7	9.5	10.2	11.0	11.7	12.8	14.0	15.1	16.2	17.7	19.2	20.7	22.2	23.7	26.7
1.06	18	19	8.5	9.3	10.0	10.8	11.5	12.7	13.8	14.9	16.0	17.5	19.0	20.5	22.0	23.5	26.5
1.07	14	15	9.3	10.0	10.8	11.5	12.3	13.4	14.5	15.7	16.8	18.3	19.8	21.3	22.8	24.3	27.3
1.07	15	16	9.1	9.8	10.6	11.3	12.1	13.2	14.3	15.5	16.6	18.1	19.6	21.1	22.6	24.1	27.1
1.07	28	30	6.6	7.3	8.1	8.8	9.6	10.7	11.8	12.9	14.1	15.6	17.1	18.6	20.1	21.6	24.6
1.07	30	32	6.2	6.9	7.7	8.4	9.2	10.3	11.4	12.6	13.7	15.2	16.7	18.2	19.7	21.2	24.2
1.08	12	13	9.7 ⑤	10.4 ⑤	11.2 ⑤	11.9 ⑤	12.7 ⑤	13.8 ⑤	14.9 ⑤	16.0 ⑤	17.2 ⑤	18.7 ⑤	20.2 ⑤	21.7 ⑤	23.2 ⑤	24.7 ⑤	27.7 ⑤
1.08	13	14	9.5	10.2	11.0	11.7	12.5	13.6	14.7	15.8	17.0	18.5	20.0	21.5	23.0	24.5	27.5
1.08	24	26	7.3	8.1	8.8	9.6	10.3	11.4	12.6	13.7	14.8	16.3	17.8	19.3	20.8	22.3	25.3
1.08	26	28	6.9	7.7	8.4	9.2	9.9	11.1	12.2	13.3	14.4	15.9	17.4	18.9	20.4	21.9	24.9
1.09	22	24	7.7	8.4	9.2	9.9	10.7	11.8	12.9	14.1	15.2	16.7	18.2	19.7	21.2	22.7	25.7
1.09	44	48	—	—	—	—	6.4	7.5	8.6	9.8	10.9	12.4	13.9	15.4	16.9	18.4	21.4
1.10	20	22	8.1	8.8	9.6	10.3	11.1	12.2	13.3	14.4	15.6	17.1	18.6	20.1	21.6	23.1	26.1
1.10	40	44	—	—	5.6	6.4	7.1	8.3	9.4	10.5	11.6	13.1	14.6	16.1	17.6	19.1	22.1
1.11	18	20	8.4	9.2	9.9	10.7	11.4	12.6	13.7	14.8	15.9	17.4	18.9	20.4	21.9	23.4	26.4
1.11	19	21	8.3	9.0	9.8	10.5	11.3	12.4	13.5	14.6	15.8	17.3	18.8	20.3	21.8	23.3	26.3
1.11	36	40	—	5.6	6.4	7.1	7.9	9.0	10.1	11.3	12.4	13.9	15.4	16.9	18.4	19.9	22.9
1.13	16	18	8.8	9.6	10.3	11.1	11.8	12.9	14.1	15.2	16.3	17.8	19.3	20.8	22.3	23.8	26.8
1.12	17	19	8.6	9.4	10.1	10.9	11.6	12.8	13.9	15.0	16.1	17.6	19.1	20.6	22.1	23.6	26.6
1.13	32	36	5.6	6.4	7.1	7.9	8.6	9.8	10.9	12.0	13.1	14.6	16.1	17.6	19.1	20.6	23.6
1.13	15	17	9.0	9.8	10.5	11.3	12.0	13.1	14.3	15.4	16.5	18.0	19.5	21.0	22.5	24.0	27.0
1.14	14	16	9.2	9.9	10.7	11.4	12.2	13.3	14.4	15.6	16.7	18.2	19.7	21.2	22.7	24.2	27.2
1.14	21	24	7.8	8.5	9.3	10.0	10.8	11.9	13.0	14.2	15.3	16.8	18.3	19.8	21.3	22.8	25.8
1.14	28	32	6.4	7.1	7.9	8.6	9.4	10.5	11.6	12.8	13.9	15.4	16.9	18.4	19.9	21.4	24.4
1.15	13	15	9.4	10.1	10.9	11.6	12.4	13.5	14.6	15.8	16.9	18.4	19.9	21.4	22.9	24.4	27.4
1.15	26	30	6.7	7.5	8.2	9.0	9.7	10.9	12.0	13.1	14.3	15.8	17.3	18.8	20.3	21.8	24.8
1.16	19	22	8.2	8.9	9.7	10.4	11.2	12.3	13.4	14.5	15.7	17.2	18.7	20.2	21.7	23.2	26.2
1.17	12	14	9.6 ⑤	10.3 ⑤	11.1 ⑤	11.8 ⑤	12.6 ⑤	13.7 ⑤	14.8 ⑤	15.9 ⑤	17.1 ⑤	18.6 ⑤	20.1 ⑤	21.6 ⑤	23.1 ⑤	24.6 ⑤	27.6 ⑤
1.17	18	21	8.3	9.1	9.8	10.6	11.3	12.5	13.6	14.7	15.8	17.3	18.8	20.3	21.8	23.3	26.3
1.17	24	28	7.1	7.9	8.6	9.4	10.1	11.2	12.4	13.5	14.6	16.1	17.6	19.1	20.6	22.1	25.1
1.18	17	20	8.5	9.3	10.0	10.8	11.5	12.7	13.8	14.9	16.0	17.5	19.0	20.5	22.0	23.5	26.5
1.18	22	26	7.5	8.2	9.0	9.7	10.5	11.6	12.8	13.9	15.0	16.5	18.0	19.5	21.0	22.5	25.5
1.19	16	19	8.7	9.5	10.2	11.0	11.7	12.8	14.0	15.1	16.2	17.7	19.2	20.7	22.2	23.7	26.7
1.20	10	12	9.9 ④	10.7 ④	11.4 ④	12.2 ④	12.9 ④	14.1 ④	15.2 ④	16.3 ④	17.4 ④	18.9 ④	20.4 ④	21.9 ④	23.4 ④	24.9 ④	27.9 ④
1.20	15	18	8.9	9.7	10.4	11.2	11.9	13.0	14.2	15.3	16.4	17.9	19.4	20.9	22.4	23.9	26.9
1.20	20	24	7.9	8.6	9.4	10.1	10.9	12.0	13.1	14.3	15.4	16.9	18.4	19.9	21.4	22.9	25.9
1.20	30	36	5.8	6.6	7.3	8.1	8.8	9.9	11.1	12.2	13.3	14.8	16.3	17.8	19.3	20.8	23.8
1.20	40	48	—	—	—	6.0	6.7	7.9	9.0	10.1	11.2	12.7	14.2	15.7	17.2	18.7	21.7
1.21	14	17	9.1	9.8	10.6	11.3	12.1	13.2	14.3	15.5	16.6	18.1	19.6	21.1	22.6	24.1	27.1
1.22	18	22	8.2	9.0	9.7	10.5	11.2	12.4	13.5	14.6	15.8	17.3	18.8	20.3	21.8	23.3	26.3
1.22	36	44	—	5.2	6.0	6.7	7.5	8.6	9.7	10.9	12.0	13.5	15.0	16.5	18.0	19.5	22.5
1.23	13	16	9.3	10	10.8	11.5	12.3	13.4	14.5	15.7	16.8	18.3	19.8	21.3	22.8	24.3	27.3

Center Distances shown are theoretical; manufacturing tolerances on belt lengths and pulley diameters can affect the actual center distance of a drive. Belt Numbers at the head of center distance columns indicate pitch length (multiplied by ten) and pitch. For example, a "240L" belt is 24 inches long and is for use with 3/8 inch pitch pulleys. This part number must be completed by adding the belt width, for example, adding 075 to this number (making the complete part number read "240L075") indicates that the belt is 3/4 inch wide.

When the center distance for a specific pulley and belt combination is followed by a number in a circle, the horsepower for one inch wide belt must be multiplied by factor at right:

Teeth in Mesh	Factor
⑤	.80
④	.60

When the center distance is 8 or more times the diameter of the small pulley or when drive operates on vertical shafts, both pulleys should be flanged.

Table No. 1

3/8″ Pitch Drive Table

Nominal Ratio	Pulley Combination				Available Belt Widths			Driven Speeds and Horsepower for 1" Wide belt						Nominal Center Distances Using Browning® Gearbelt®				
	Driver		Driven					3500 RPM Motor		1750 RPM Motor		1160 RPM Motor						
	Number Grooves	Pitch Dia.	Number Grooves	Pitch Dia.	050	075	100	Driven Speed	HP for 1" Belt	Driven Speed	HP for 1" Belt	Driven Speed	HP for 1" Belt	124 L	150 L	187 L	210 L	225 L
1.23	26	3.104	32	3.820	X	X	X	2844	4.35	1422	2.32	943	1.56	—	—	3.9	5.1	5.8
1.24	17	2.029	21	2.507	X	X	X	2833	2.99	1417	1.54	939	1.02	—	3.9	5.8	6.9	7.7
1.24	21	2.507	26	3.104	X	X	X	2827	3.62	1413	1.89	937	1.26	—	—	5.0	6.1	6.8
1.25	12	1.432	15	1.790	X	X	-	2800	*2.15	1400	*1.09	928	.72	3.7 ⑤	5.0 ⑤	6.8 ⑤	8.0 ⑤	8.7 ⑤
1.25	16	1.910	20	2.387	X	X	X	2800	2.83	1400	1.45	928	.96	2.8	4.1	6.0	7.1	7.9
1.25	24	2.865	30	3.581	X	X	X	2800	4.07	1400	2.15	928	1.44	—	—	4.3	5.4	6.2
1.25	32	3.820	40	4.775	X	X	X	2800	5.11	1400	2.83	928	1.91	—	—	—	—	—
1.25	48	5.730	60	7.162	X	X	X	2800	6.32	1400	4.07	928	2.81	—	—	—	—	—
1.26	19	2.268	24	2.865	X	X	X	2771	3.31	1385	1.71	918	1.14	—	3.5	5.3	6.5	7.2
1.27	15	1.790	19	2.268	X	X	X	2763	*2.66	1382	1.36	916	.90	3.0	4.3	6.2	7.3	8.1
1.27	22	2.626	28	3.342	X	X	X	2750	3.78	1375	1.98	911	1.32	—	—	4.7	5.8	6.6
1.29	14	1.671	18	2.149	X	X	X	2722	*2.49	1361	1.27	902	.84	3.2	4.5	6.4	7.5	8.2
1.29	17	2.029	22	2.626	X	X	X	2705	2.99	1352	1.54	896	1.02	—	3.8	5.7	6.8	7.6
1.29	28	3.342	36	4.297	X	X	X	2722	4.62	1361	2.49	902	1.67	—	—	—	4.5	5.2
1.30	10	1.194	13	1.552	X	-	-	2692	*1.80	1346	*.91	892	*.60	4.0 ④	5.3 ④	7.2 ④	8.3 ④	9.1 ④
1.30	20	2.387	26	3.104	X	X	X	2692	3.47	1346	1.80	892	1.20	—	3.2	5.1	6.2	6.9
1.31	13	1.552	17	2.029	X	X	X	2676	*2.32	1338	*1.18	887	.78	3.4	4.7	6.6	7.7	8.4
1.31	16	1.910	21	2.507	X	X	X	2667	2.83	1333	1.45	884	.96	2.7	4.0	5.9	7.0	7.8
1.33	12	1.432	16	1.910	X	X	-	2625	*2.15	1313	*1.09	870	.72	3.6 ⑤	4.9 ⑤	6.7 ⑤	7.9 ⑤	8.6 ⑤
1.33	15	1.790	20	2.387	X	X	X	2625	*2.66	1313	1.36	870	.90	2.9	4.2	6.1	7.2	8.0
1.33	18	2.149	24	2.865	X	X	X	2625	3.15	1313	1.62	870	1.08	—	3.5	5.4	6.6	7.3
1.33	21	2.507	28	3.342	X	X	X	2625	3.62	1313	1.89	870	1.26	—	—	4.8	5.9	6.6
1.33	24	2.865	32	3.820	X	X	X	2625	4.07	1313	2.15	870	1.44	—	—	4.1	5.2	6.0
1.33	30	3.581	40	4.775	X	X	X	2625	4.88	1313	2.66	870	1.79	—	—	—	—	4.7
1.33	36	4.297	48	5.730	X	X	X	2625	5.54	1313	3.15	870	2.14	—	—	—	—	—
1.36	14	1.671	19	2.268	X	X	X	2579	*2.49	1289	1.27	855	.84	3.1	4.4	6.3	7.4	8.2
1.36	22	2.626	30	3.581	X	X	X	2567	3.78	1283	1.98	851	1.32	—	—	4.5	5.6	6.4
1.36	44	5.252	60	7.162	X	X	X	2567	6.15	1283	3.78	851	2.59	—	—	—	—	—
1.38	16	1.910	22	2.626	X	X	X	2545	2.83	1273	1.45	844	.96	—	3.9	5.8	6.9	7.7
1.37	19	2.268	26	3.104	X	X	X	2558	3.31	1279	1.71	848	1.14	—	3.3	5.1	6.3	7.0
1.38	32	3.820	44	5.252	X	X	X	2545	5.11	1273	2.83	844	1.91	—	—	—	—	—
1.38	13	1.552	18	2.149	X	X	X	2528	*2.32	1264	*1.18	838	.78	3.3	4.6	6.5	7.6	8.3
1.38	26	3.104	36	4.297	X	X	X	2528	4.35	1264	2.32	838	1.56	—	—	—	4.7	5.4
1.40	10	1.194	14	1.671	X	-	-	2500	*1.80	1250	*.91	829	*.60	3.9 ④	5.2 ④	7.1 ④	8.2 ④	9.0 ④
1.40	15	1.790	21	2.507	X	X	X	2500	*2.66	1250	1.36	829	.90	2.8	4.1	6.0	7.1	7.9
1.40	20	2.387	28	3.342	X	X	X	2500	3.47	1250	1.80	829	1.20	—	—	4.9	6.0	6.7
1.41	17	2.029	24	2.865	X	X	X	2479	2.99	1240	1.54	822	1.02	—	3.6	5.5	6.6	7.4
1.42	12	1.432	17	2.029	X	X	-	2471	*2.15	1235	*1.09	819	.72	3.5 ⑤	4.8 ⑤	6.7 ⑤	7.8 ⑤	8.5 ⑤
1.43	14	1.671	20	2.387	X	X	X	2450	*2.49	1225	1.27	812	.84	3.0	4.3	6.2	7.3	8.1
1.43	21	2.507	30	3.581	X	X	X	2450	3.62	1225	1.89	812	1.26	—	—	4.6	5.7	6.4
1.43	28	3.342	40	4.775	X	X	X	2450	4.62	1225	2.49	812	1.67	—	—	—	—	4.8
1.44	18	2.149	26	3.104	X	X	X	2423	3.15	1212	1.62	803	1.08	—	3.3	5.2	6.4	7.1
1.45	22	2.626	32	3.820	X	X	X	2406	3.78	1203	1.98	798	1.32	—	—	4.3	5.4	6.2
1.46	13	1.552	19	2.268	X	X	X	2395	*2.32	1197	*1.18	794	.78	3.2	4.5	6.4	7.5	8.2
1.47	15	1.790	22	2.626	X	X	X	2386	*2.66	1193	1.36	791	.90	2.7	4.0	5.9	7.0	7.8
1.47	19	2.268	28	3.342	X	X	X	2375	3.31	1188	1.71	787	1.14	—	—	4.9	6.1	6.8
1.47	30	3.581	44	5.252	X	X	X	2386	4.88	1193	2.66	791	1.79	—	—	—	—	—
1.50	10	1.194	15	1.790	X	-	-	2333	*1.80	1167	*.91	773	*.60	3.8 ④	5.1 ④	7.0 ④	8.2 ④	8.9 ④
1.50	12	1.432	18	2.149	X	X	-	2333	*2.15	1167	*1.09	773	.72	3.4 ⑤	4.7 ⑤	6.6 ⑤	7.7 ⑤	8.4 ⑤
1.50	14	1.671	21	2.507	X	X	X	2333	*2.49	1167	1.27	773	.84	2.9	4.2	6.1	7.2	8.0
1.50	16	1.910	24	2.865	X	X	X	2333	2.83	1167	1.45	773	.96	—	3.7	5.6	6.7	7.5
1.50	20	2.387	30	3.581	X	X	X	2333	3.47	1167	1.80	773	1.20	—	—	4.7	5.8	6.5
1.50	24	2.865	36	4.297	X	X	X	2333	4.07	1167	2.15	773	1.44	—	—	—	4.8	5.6
1.50	32	3.820	48	5.730	X	X	X	2333	5.11	1167	2.83	773	1.91	—	—	—	—	—
1.50	40	4.775	60	7.162	X	X	X	2333	5.88	1167	3.47	773	2.37	—	—	—	—	—
1.50	48	5.730	72	8.594	X	X	X	2333	6.32	1167	4.07	773	2.81	—	—	—	—	—
1.52	21	2.507	32	3.820	X	X	X	2297	3.62	1148	1.89	761	1.26	—	—	4.4	5.5	6.2
1.53	17	2.029	26	3.104	X	X	X	2288	2.99	1144	1.54	758	1.02	—	3.4	5.3	6.4	7.2
1.54	13	1.552	20	2.387	X	X	X	2275	*2.32	1138	*1.18	754	.78	3.1 ⑤	4.4	6.3	7.4	8.1
1.54	26	3.104	40	4.775	X	X	X	2275	4.35	1138	2.32	754	1.56	—	—	—	—	5.0
1.56	18	2.149	28	3.342	X	X	X	2250	3.15	1125	1.62	746	1.08	—	3.1	5.0	6.2	6.9
1.57	14	1.671	22	2.626	X	X	X	2227	*2.49	1114	1.27	738	.84	2.8	4.1	5.0	7.1	7.9
1.57	28	3.342	44	5.252	X	X	X	2227	4.62	1114	2.49	738	1.67	—	—	—	—	—
1.58	12	1.432	19	2.268	X	X	-	2211	*2.15	1105	*1.09	733	.72	3.3 ⑤	4.6 ⑤	6.5 ⑤	7.6 ⑤	8.3 ⑤
1.58	19	2.268	30	3.581	X	X	X	2217	3.31	1108	1.71	735	1.14	—	—	4.7	5.9	6.6
1.60	10	1.194	16	1.910	X	-	-	2188	*1.80	1094	*.91	725	*.60	3.7 ④	5.1 ④	6.9 ④	8.1 ④	8.8 ④
1.60	15	1.790	24	2.865	X	X	X	2188	*2.66	1094	1.36	725	.90	—	3.8	5.7	6.8	7.6

Horsepower Ratings shown in these tables are for a 1" wide belt. To find the belt width required, divide the **NORMAL RATING** (See Page E-21) of the drive by the Horsepower shown in the table above. The result is the "Effective Belt Width". Using this, or the next higher figure, determine the "Actual Belt Width" from the following table:

Effective Belt Width.....	**.28"**	**.42"**	**.57"**	**.71"**	**1.00"**	**1.29"**	**1.56"**	**2.14"**	**2.72"**	**3.36"**
Actual Belt Width.....	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	2	2 1/2	3

*This rating is for a pulley below the minimum recommended on page E-22 and, therefore, a reduction in belt life should be expected.

When the center distance for a specific pulley and belt combination is followed by a number in a circle, the horsepower for one inch wide belt must be multiplied by factor at right:

Teeth in Mesh	Factor
⑤	**.80**
④	**.60**
③	**.40**

Table No. 1

3/8″ Pitch Drive Table

Nominal Ratio	Pulley Combination Driver Number Grooves	Pulley Combination Driven Number Grooves	Nominal Center Distances using Browning® Gearbelt® 240 L	255 L	270 L	285 L	300 L	322 L	345 L	367 L	390 L	420 L	450 L	480 L	510 L	540 L	600 L
1.23	26	32	6.6	7.3	8.1	8.8	9.6	10.7	11.8	12.9	14.1	15.6	17.1	18.6	20.1	21.6	24.6
1.24	17	21	8.4	9.2	9.9	10.7	11.4	12.6	13.7	14.8	15.9	17.4	18.9	20.4	21.9	23.4	26.4
1.24	21	26	7.6	8.3	9.1	9.8	10.6	11.7	12.8	14.0	15.1	16.6	18.1	19.6	21.1	22.6	25.6
1.25	12	15	9.5 ⑤	10.2 ⑤	11.0 ⑤	11.7 ⑤	12.5 ⑤	13.6 ⑤	14.7 ⑤	15.8 ⑤	17.0 ⑤	18.5 ⑤	20.0 ⑤	21.5 ⑤	23.0 ⑤	24.5 ⑤	27.5 ⑤
1.25	16	20	8.6	9.4	10.1	10.9	11.6	12.7	13.9	15.0	16.1	17.6	19.1	20.6	22.1	23.6	26.6
1.25	24	30	6.9	7.7	8.4	9.2	9.9	11.1	12.2	13.3	14.4	15.9	17.4	18.9	20.4	21.9	24.9
1.25	32	40	5.2	6.0	6.7	7.5	8.2	9.4	10.5	11.6	12.7	14.2	15.7	17.2	18.7	20.2	23.2
1.25	48	60	—	—	—	—	—	—	7.1	8.2	9.4	10.9	12.4	13.9	15.4	16.9	19.9
1.26	19	24	8.0	8.7	9.5	10.2	11.0	12.1	13.2	14.3	15.5	17.0	18.5	20.0	21.5	23.0	26.0
1.27	15	19	8.8	9.6	10.3	11.1	11.8	12.9	14.1	15.2	16.3	17.8	19.3	20.8	22.3	23.8	26.8
1.27	22	28	7.3	8.1	8.8	9.6	10.3	11.4	12.6	13.7	14.8	16.3	17.8	19.3	20.8	22.3	25.3
1.29	14	18	9.0	9.7	10.5	11.2	12.0	13.1	14.2	15.4	16.5	18.0	19.5	21.0	22.5	24.0	27.0
1.29	17	22	8.3	9.1	9.8	10.6	11.3	12.5	13.6	14.7	15.8	17.3	18.8	20.3	21.8	23.3	26.3
1.29	28	36	6.0	6.7	7.5	8.2	9.0	10.1	11.2	12.4	13.5	15.0	16.5	18.0	19.5	21.0	24.0
1.30	10	13	9.8 ④	10.6 ④	11.3 ④	12.1 ④	12.8 ④	14.0 ④	15.1 ④	16.2 ④	17.3 ④	18.8 ④	20.3 ④	21.8 ④	23.3 ④	24.8 ④	27.8 ④
1.30	20	26	7.7	8.4	9.2	9.9	10.7	11.8	12.9	14.1	15.2	16.7	18.2	19.7	21.2	22.7	25.7
1.31	13	17	9.2	9.9	10.7	11.4	12.2	13.3	14.4	15.6	16.7	18.2	19.7	21.2	22.7	24.2	27.2
1.31	16	21	8.5	9.3	10.0	10.8	11.5	12.7	13.8	14.9	16.0	17.5	19.0	20.5	22.0	23.5	26.5
1.33	12	16	9.4 ⑤	10.1 ⑤	10.9 ⑤	11.6 ⑤	12.4 ⑤	13.5 ⑤	14.6 ⑤	15.7 ⑤	16.9 ⑤	18.4 ⑤	19.9 ⑤	21.4 ⑤	22.9 ⑤	24.4 ⑤	27.4 ⑤
1.33	15	20	8.7	9.5	10.2	11.0	11.7	12.8	14.0	15.1	16.2	17.7	19.2	20.7	22.2	23.7	26.7
1.33	18	24	8.1	8.8	9.6	10.3	11.1	12.2	13.3	14.4	15.6	17.1	18.6	20.1	21.6	23.1	26.1
1.33	21	28	7.4	8.1	8.9	9.6	10.4	11.5	12.7	13.8	14.9	16.4	17.9	19.4	20.9	22.4	25.4
1.33	24	32	6.7	7.5	8.2	9.0	9.7	10.9	12.0	13.1	14.2	15.7	17.2	18.7	20.2	21.7	24.7
1.33	30	40	5.4	6.2	6.9	7.7	8.4	9.5	10.7	11.8	12.9	14.4	15.9	17.4	18.9	20.4	23.4
1.33	36	48	—	—	5.6	6.3	7.1	8.2	9.4	10.5	11.6	13.1	14.6	16.1	17.6	19.1	22.1
1.36	14	19	8.9	9.7	10.4	11.2	11.9	13.0	14.2	15.3	16.4	17.9	19.4	20.9	22.4	23.9	26.9
1.36	22	30	7.1	7.9	8.6	9.4	10.1	11.2	12.4	13.5	14.6	16.1	17.6	19.1	20.6	22.1	25.1
1.36	44	60	—	—	—	—	—	—	7.4	8.6	9.7	11.2	12.7	14.2	15.7	17.2	20.2
1.38	16	22	8.4	9.2	9.9	10.7	11.4	12.6	13.7	14.8	15.9	17.4	18.9	20.4	21.9	23.4	26.4
1.37	19	26	7.8	8.5	9.3	10.0	10.8	11.9	13.0	14.2	15.3	16.8	18.3	19.8	21.3	22.8	25.8
1.38	32	44	—	5.6	6.3	7.1	7.8	9.0	10.1	11.2	12.4	13.9	15.4	16.9	18.4	19.9	22.9
1.38	13	18	9.1	9.8	10.6	11.3	12.1	13.2	14.3	15.5	16.6	18.1	19.6	21.1	22.6	24.1	27.1
1.38	26	36	6.2	6.9	7.7	8.4	9.2	10.3	11.4	12.6	13.7	15.2	16.7	18.2	19.7	21.2	24.2
1.40	10	14	9.7 ④	10.5 ④	11.2 ④	12.0 ④	12.7 ④	13.9 ④	15.0 ④	16.1 ④	17.2 ④	18.7 ④	20.2 ④	21.7 ④	23.2 ④	24.7 ④	27.8 ④
1.40	15	21	8.6	9.4	10.1	10.9	11.6	12.7	13.9	15.0	16.1	17.6	19.1	20.6	22.1	23.6	26.6
1.40	20	28	7.5	8.2	9.0	9.7	10.5	11.6	12.7	13.9	15.0	16.5	18.0	19.5	21.0	22.5	25.5
1.41	17	24	8.1	8.9	9.6	10.4	11.2	12.3	13.4	14.5	15.7	17.2	18.7	20.2	21.7	23.2	26.2
1.42	12	17	9.3 ⑤	10.0 ⑤	10.8 ⑤	11.5 ⑤	12.3 ⑤	13.4 ⑤	14.5 ⑤	15.7 ⑤	16.8 ⑤	18.3 ⑤	19.8 ⑤	21.3 ⑤	22.8 ⑤	24.3 ⑤	27.3 ⑤
1.43	14	20	8.8	9.6	10.3	11.1	11.8	12.9	14.1	15.2	16.3	17.8	19.3	20.8	22.3	23.8	26.8
1.43	21	30	7.2	8.0	8.7	9.5	10.2	11.3	12.5	13.6	14.7	16.2	17.7	19.2	20.7	22.2	25.2
1.43	28	40	5.6	6.3	7.1	7.8	8.6	9.7	10.9	12.0	13.1	14.6	16.1	17.6	19.1	20.6	23.6
1.44	18	26	7.9	8.6	9.4	10.1	10.9	12.0	13.1	14.2	15.4	16.9	18.4	19.9	21.4	22.9	25.9
1.45	22	32	6.9	7.7	8.4	9.2	9.9	11.0	12.2	13.3	14.4	15.9	17.4	18.9	20.4	21.9	24.9
1.46	13	19	9.0	9.7	10.5	11.2	12.0	13.1	14.2	15.4	16.5	18.0	19.5	21.0	22.5	24.0	27.0
1.47	15	22	8.5	9.3	10.0	10.8	11.5	12.7	13.8	14.9	16.0	17.5	19.0	20.5	22.0	23.5	26.5
1.47	19	28	7.6	8.3	9.1	9.8	10.6	11.7	12.8	14.0	15.1	16.6	18.1	19.6	21.1	22.6	25.6
1.47	30	44	5.0	5.8	6.5	7.3	8.0	9.2	10.3	11.4	12.5	14.0	15.5	17.0	18.5	20.0	23.1
1.50	10	15	9.7 ④	10.4 ④	11.2 ④	11.9 ④	12.7 ④	13.8 ④	14.9 ④	16.0 ④	17.2 ④	18.7 ④	20.2 ④	21.7 ④	23.2 ④	24.7 ④	27.7 ④
1.50	12	18	9.2 ⑤	9.9 ⑤	10.7 ⑤	11.4 ⑤	12.2 ⑤	13.3 ⑤	14.4 ⑤	15.6 ⑤	16.7 ⑤	18.2 ⑤	19.7 ⑤	21.2 ⑤	22.7 ⑤	24.2 ⑤	27.2 ⑤
1.50	14	21	8.7	9.5	10.2	11.0	11.7	12.8	14.0	15.1	16.2	17.7	19.2	20.7	22.2	23.7	26.7
1.50	16	24	8.2	9.0	9.7	10.5	11.2	12.4	13.5	14.6	15.7	17.2	18.7	20.2	21.7	23.2	26.2
1.50	20	30	7.3	8.0	8.8	9.5	10.3	11.4	12.6	13.7	14.8	16.3	17.8	19.3	20.8	22.3	25.3
1.50	24	36	6.3	7.1	7.8	8.6	9.4	10.5	11.6	12.7	13.9	15.4	16.9	18.4	19.9	21.4	24.4
1.50	32	48	—	5.2	5.9	6.7	7.4	8.6	9.7	10.8	12.0	13.5	15.0	16.5	18.0	19.5	22.5
1.50	40	60	—	—	—	—	—	6.6	7.8	8.9	10.1	11.6	13.1	14.6	16.1	17.6	20.6
1.50	48	72	—	—	—	—	—	—	—	—	8.1	9.6	11.2	12.7	14.2	15.7	18.7
1.52	21	32	7.0	7.8	8.5	9.3	10.0	11.1	12.3	13.4	14.5	16.0	17.5	19.0	20.5	22.0	25.0
1.53	17	26	8.0	8.7	9.5	10.2	11.0	12.1	13.2	14.3	15.5	17.0	18.5	20.0	21.5	23.0	26.0
1.54	13	20	8.9	9.6	10.4	11.1	11.9	13.0	14.2	15.3	16.4	17.9	19.4	20.9	22.4	23.9	26.9
1.54	26	40	5.8	6.5	7.3	8.0	8.8	9.9	11.0	12.2	13.3	14.8	16.3	17.8	19.3	20.8	23.8
1.56	18	28	7.7	8.4	9.2	9.9	10.7	11.8	12.9	14.1	15.2	16.7	18.2	19.7	21.2	22.7	25.7
1.57	14	22	8.6	9.4	10.1	10.9	11.6	12.7	13.9	15.0	16.1	17.6	19.1	20.6	22.1	23.6	26.6
1.57	28	44	5.2	5.9	6.7	7.4	8.2	9.3	10.5	11.6	12.7	14.2	15.7	17.2	18.7	20.2	23.2
1.58	12	19	9.1 ⑤	9.8 ⑤	10.6 ⑤	11.3 ⑤	12.1 ⑤	13.2 ⑤	14.3 ⑤	15.5 ⑤	16.6 ⑤	18.1 ⑤	19.6 ⑤	21.1 ⑤	22.6 ⑤	24.1 ⑤	27.1 ⑤
1.58	19	30	7.4	8.1	8.9	9.6	10.4	11.5	12.6	13.8	14.9	16.4	17.9	19.4	20.9	22.4	25.4
1.60	10	16	9.6 ④	10.3 ④	11.1 ④	11.8 ④	12.6 ④	13.7 ④	14.8 ④	15.9 ④	17.1 ④	18.6 ④	20.1 ④	21.6 ④	23.1 ④	24.6 ④	27.6 ④
1.60	15	24	8.3	9.1	9.8	10.6	11.3	12.5	13.6	14.7	15.8	17.3	18.8	20.3	21.8	23.3	26.3

Center Distances shown are theoretical; manufacturing tolerances on belt lengths and pulley diameters can affect the actual center distance of a drive. Belt Numbers at the head of center distance columns indicate pitch length (multiplied by ten) and pitch. For example, a "240L" belt is 24 inches long and is for use with 3/8 inch pitch pulleys. This part number must be completed by adding the belt width, for example, adding 075 to this number (making the complete part number read "240L075") indicates that the belt is 3/4 inch wide.

When the center distance for a specific pulley and belt combination is followed by a number in a circle, the horsepower for one inch wide belt must be multiplied by factor at right:

Teeth in Mesh	Factor
⑤	.80
④	.60

When the center distance is 8 or more times the diameter of the small pulley or when drive operates on vertical shafts, both pulleys should be flanged.

Table No. 1

3/8″ Pitch Drive Table

Pulley Combination					Avail-able Belt Widths			Driven Speeds and Horsepower for 1" Wide belt						Nominal Center Distances Using Browning® Gearbelt®				
	Driver		Driven					3500 RPM Motor		1750 RPM Motor		1160 RPM Motor						
Nominal Ratio	Number Grooves	Pitch Dia.	Number Grooves	Pitch Dia.	050	075	100	Driven Speed	HP for 1" Belt	Driven Speed	HP for 1" Belt	Driven Speed	HP for 1" Belt	124 L	150 L	187 L	210 L	225 L
1.60	20	2.387	32	3.820	X	X	X	2188	3.47	1094	1.80	725	1.20	—	—	4.4	5.6	6.3
1.60	30	3.581	48	5.730	X	X	X	2188	4.88	1094	2.66	725	1.79	—	—	—	—	—
1.62	13	1.552	21	2.507	X	X	X	2167	*2.32	1083	*1.18	718	.78	3.0 ⑤	4.3	6.2	7.3	8.0
1.63	16	1.910	26	3.104	X	X	X	2154	2.83	1077	1.45	714	.96	—	3.5	5.4	6.5	7.3
1.64	22	2.626	36	4.297	X	X	X	2139	3.78	1069	1.98	709	1.32	—	—	3.8	5.0	5.8
1.64	44	5.252	72	8.594	X	X	X	2139	6.15	1069	3.78	709	2.59	—	—	—	—	—
1.65	17	2.029	28	3.342	X	X	X	2125	2.99	1063	1.54	704	1.02	—	3.2	5.1	6.2	7.0
1.67	12	1.432	20	2.387	X	X	—	2100	*2.15	1050	*1.09	696	.72	3.2 ⑤	4.5 ⑤	6.4 ⑤	7.5 ⑤	8.2 ⑤
1.67	18	2.149	30	3.581	X	X	X	2100	3.15	1050	1.62	696	1.08	—	—	4.8	6.0	6.7
1.67	24	2.865	40	4.775	X	X	X	2100	4.07	1050	2.15	696	1.44	—	—	—	4.4	5.2
1.67	36	4.297	60	7.162	X	X	X	2100	5.54	1050	3.15	696	2.14	—	—	—	—	—
1.68	19	2.268	32	3.820	X	X	X	2078	3.31	1039	1.71	689	1.14	—	—	4.5	5.7	6.4
1.69	13	1.552	22	2.626	X	X	X	2068	*2.32	1034	*1.18	685	.78	2.9 ⑤	4.2 ⑤	6.1	7.2	8.0
1.69	26	3.104	44	5.252	X	X	X	2068	4.35	1034	2.32	685	1.56	—	—	—	—	4.6
1.70	10	1.194	17	2.029	X	—	—	2059	*1.80	1029	*.91	682	*.60	3.6 ④	5.0 ④	6.8 ④	8.0 ④	8.7 ④
1.71	14	1.671	24	2.865	X	X	X	2042	*2.49	1021	1.27	677	.84	—	3.9	5.8	6.9	7.7
1.71	21	2.507	36	4.297	X	X	X	2042	3.62	1021	1.89	677	1.26	—	—	3.9	5.1	5.8
1.71	28	3.342	48	5.730	X	X	X	2042	4.62	1021	2.49	677	1.67	—	—	—	—	—
1.73	15	1.790	26	3.104	X	X	X	2019	*2.66	1010	1.36	669	.90	—	3.6	5.5	6.6	7.4
1.75	12	1.432	21	2.507	X	X	—	2000	*2.15	1000	*1.09	663	.72	3.0 ⑤	4.4 ⑤	6.3 ⑤	7.4 ⑤	8.1 ⑤
1.75	16	1.910	28	3.342	X	X	X	2000	2.83	1000	1.45	663	.96	—	3.3	5.2	6.3	7.1
1.75	48	5.730	84	10.027	X	X	X	2000	6.32	1000	4.07	663	2.81	—	—	—	—	—
1.76	17	2.029	30	3.581	X	X	X	1983	2.99	992	1.54	657	1.02	—	—	4.9	6.0	6.8
1.78	18	2.149	32	3.820	X	X	X	1969	3.15	984	1.62	653	1.08	—	—	4.6	5.8	6.5
1.80	10	1.194	18	2.149	X	—	—	1944	*1.80	972	*.91	644	*.60	3.5 ④	4.9 ④	6.7 ④	7.9 ④	8.6 ④
1.80	20	2.387	36	4.297	X	X	X	1944	3.47	972	1.80	644	1.20	—	—	4.0	5.2	5.9
1.80	40	4.775	72	8.594	X	X	X	1944	5.88	972	3.47	644	2.37	—	—	—	—	—
1.82	22	2.626	40	4.775	X	X	X	1925	3.78	963	1.98	638	1.32	—	—	—	4.6	5.3
1.83	12	1.432	22	2.626	X	X	—	1909	*2.15	955	*1.09	633	.72	2.9 ⑤	4.3 ⑤	6.2 ⑤	7.3 ⑤	8.0 ⑤
1.83	24	2.865	44	5.252	X	X	X	1909	4.07	955	2.15	633	1.44	—	—	—	—	4.7
1.85	13	1.552	24	2.865	X	X	X	1896	*2.32	948	*1.18	628	.78	2.6 ⑤	4.0 ⑤	5.9	7.0	7.8
1.85	26	3.104	48	5.730	X	X	X	1896	4.35	948	2.32	628	1.56	—	—	—	—	—
1.86	14	1.671	26	3.104	X	X	X	1885	*2.49	942	1.27	625	.84	—	3.7	5.6	6.7	7.5
1.87	15	1.790	28	3.342	X	X	X	1875	*2.66	938	1.36	621	.90	—	3.4	5.3	6.4	7.2
1.88	16	1.910	30	3.581	X	X	X	1867	2.83	933	1.45	619	.96	—	—	5.0	6.1	6.9
1.88	32	3.820	60	7.162	X	X	X	1867	5.11	933	2.83	619	1.91	—	—	—	—	—
1.88	17	2.029	32	3.820	X	X	X	1859	2.99	930	1.54	616	1.02	—	—	4.7	5.8	6.6
1.89	19	2.268	36	4.297	X	X	X	1847	3.31	924	1.71	612	1.14	—	—	4.1	5.2	6.0
1.90	10	1.194	19	2.268	X	—	—	1842	*1.80	921	*.91	611	*.60	3.4 ④	4.8 ④	6.6 ④	7.8 ④	8.5 ④
1.90	21	2.507	40	4.775	X	X	X	1838	3.62	919	1.89	609	1.26	—	—	—	4.6	5.4
1.91	44	5.252	84	10.027	X	X	X	1833	6.15	917	3.78	608	2.59	—	—	—	—	—
2.00	10	1.194	20	2.387	X	—	—	1750	*1.80	875	*.91	580	*.60	3.3 ④	4.7 ④	6.5 ④	7.7 ④	8.4 ④
2.00	12	1.432	24	2.865	X	X	—	1750	*2.15	875	*1.09	580	.72	2.7 ④	4.1 ⑤	6.0 ⑤	7.1 ⑤	7.8 ⑤
2.00	13	1.552	26	3.104	X	X	X	1750	*2.32	875	*1.18	580	.78	—	3.8 ⑤	5.7 ⑤	6.8	7.6
2.00	14	1.671	28	3.342	X	X	X	1750	*2.49	875	1.27	580	.84	—	3.5 ⑤	5.4	6.5	7.3
2.00	15	1.790	30	3.581	X	X	X	1750	*2.66	875	1.36	580	.90	—	3.2	5.1	6.2	7.0
2.00	16	1.910	32	3.820	X	X	X	1750	2.83	875	1.45	580	.96	—	—	4.8	5.9	6.7
2.00	18	2.149	36	4.297	X	X	X	1750	3.15	875	1.62	580	1.08	—	—	4.2	5.3	6.1
2.00	20	2.387	40	4.775	X	X	X	1750	3.47	875	1.80	580	1.20	—	—	—	4.7	5.5
2.00	22	2.626	44	5.252	X	X	X	1750	3.78	875	1.98	580	1.32	—	—	—	—	4.9
2.00	24	2.865	48	5.730	X	X	X	1750	4.07	875	2.15	580	1.44	—	—	—	—	—
2.00	30	3.581	60	7.162	X	X	X	1750	4.88	875	2.66	580	1.79	—	—	—	—	—
2.00	36	4.297	72	8.594	X	X	X	1750	5.54	875	3.15	580	2.14	—	—	—	—	—
2.00	48	5.730	96	11.459	X	X	X	1750	6.32	875	4.07	580	2.81	—	—	—	—	—
2.10	10	1.194	21	2.507	X	—	—	1667	*1.80	833	*.91	552	*.60	3.2 ④	4.5 ④	6.4 ④	7.6 ④	8.3 ④
2.10	21	2.507	44	5.252	X	X	X	1670	3.62	835	1.89	554	1.26	—	—	—	—	5.0
2.10	40	4.775	84	10.027	X	X	X	1667	5.88	833	3.47	552	2.37	—	—	—	—	—
2.11	19	2.268	40	4.775	X	X	X	1663	3.31	831	1.71	551	1.14	—	—	—	4.8	5.6
2.12	17	2.029	36	4.297	X	X	X	1653	2.99	826	1.54	548	1.02	—	—	4.3	5.4	6.2
2.13	15	1.790	32	3.820	X	X	X	1641	*2.66	820	1.36	544	.90	—	—	4.9	6.0	6.8
2.14	14	1.671	30	3.581	X	X	X	1633	*2.49	817	1.27	541	.84	—	3.2 ⑤	5.2	6.3	7.1
2.14	28	3.342	60	7.162	X	X	X	1633	4.62	817	2.49	541	1.67	—	—	—	—	—
2.15	13	1.552	28	3.342	X	X	X	1625	*2.32	813	*1.18	539	.78	—	3.5 ⑤	5.5 ⑤	6.6 ⑤	7.4 ⑤
2.17	12	1.432	26	3.104	X	X	—	1615	*2.15	808	*1.09	535	.72	—	3.8 ⑤	5.8 ⑤	6.9 ⑤	7.6 ⑤
2.18	22	2.626	48	5.730	X	X	X	1604	3.78	802	1.98	532	1.32	—	—	—	—	—
2.18	44	5.252	96	11.459	X	X	X	1604	6.15	802	3.78	532	2.59	—	—	—	—	—
2.20	10	1.194	22	2.626	X	—	—	1591	*1.80	795	*.91	527	*.60	3.1 ④	4.4 ④	6.3 ④	7.5 ④	8.2 ④

Horsepower Ratings shown in these tables are for a 1" wide belt. To find the belt width required, divide the **NORMAL RATING** (See Page E-21) of the drive by the Horsepower shown in the table above. The result is the "Effective Belt Width". Using this, or the next higher figure, determine the "Actual Belt Width" from the following table:

Effective Belt Width.....	**.28"**	**.42"**	**.57"**	**.71"**	**1.00"**	**1.29"**	**1.56"**	**2.14"**	**2.72"**	**3.36"**
Actual Belt Width.....	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	2	2 1/2	3

*This rating is for a pulley below the minimum recommended on page E-22 and, therefore, a reduction in belt life should be expected.

When the center distance for a specific pulley and belt combination is followed by a number in a circle, the horsepower for one inch wide belt must be multiplied by factor at right:

Teeth in Mesh	Factor
⑤	**.80**
④	**.60**
③	**.40**

Table No. 1

3/8" Pitch Drive Table

Nominal Ratio	Pulley Combination Driver Number Grooves	Pulley Combination Driven Number Grooves	Nominal Center Distances using Browning® Gearbelt® 240 L	255 L	270 L	285 L	300 L	322 L	345 L	367 L	390 L	420 L	450 L	480 L	510 L	540 L	600 L
1.60	20	32	7.1	7.8	8.6	9.4	10.1	11.2	12.4	13.5	14.6	16.1	17.6	19.1	20.6	22.1	25.1
1.60	30	48	—	5.3	6.1	6.9	7.6	8.8	9.9	11.0	12.1	13.6	15.2	16.7	18.2	19.7	22.7
1.62	13	21	8.8	9.6	10.3	11.1	11.8	12.9	14.1	15.2	16.3	17.8	19.3	20.8	22.3	23.8	26.8
1.63	16	26	8.0	8.8	9.5	10.3	11.0	12.2	13.3	14.4	15.6	17.1	18.6	20.1	21.6	23.1	26.1
1.64	22	36	6.5	7.3	8.0	8.8	9.5	10.7	11.8	12.9	14.0	15.5	17.0	18.5	20.0	21.5	24.6
1.64	44	72	—	—	—	—	—	—	—	7.3	8.5	10.0	11.5	13.0	14.5	16.0	19.1
1.65	17	28	7.8	8.5	9.3	10.0	10.8	11.9	13.0	14.1	15.3	16.8	18.3	19.8	21.3	22.8	25.8
1.67	12	20	9.0 ⑤	9.7 ⑤	10.5 ⑤	11.2 ⑤	12.0 ⑤	13.1 ⑤	14.2 ⑤	15.4 ⑤	16.5 ⑤	18.0 ⑤	19.5 ⑤	21.0 ⑤	22.5 ⑤	24.0 ⑤	27.0 ⑤
1.67	18	30	7.5	8.2	9.0	9.7	10.5	11.6	12.7	13.9	15.0	16.5	18.0	19.5	21.0	22.5	25.5
1.67	24	40	5.9	6.7	7.4	8.2	9.0	10.1	11.2	12.3	13.5	15.0	16.5	18.0	19.5	21.0	24.0
1.67	36	60	—	—	—	—	—	7.0	8.1	9.3	10.4	11.9	13.4	14.9	16.4	17.9	21.0
1.68	19	32	7.2	7.9	8.7	9.4	10.2	11.3	12.4	13.6	14.7	16.2	17.7	19.2	20.7	22.2	25.2
1.69	13	22	8.7	9.5	10.2	11.0	11.7	12.8	14.0	15.1	16.2	17.7	19.2	20.7	22.2	23.7	26.7
1.69	26	44	5.3	6.1	6.9	7.6	8.4	9.5	10.6	11.8	12.9	14.4	15.9	17.4	18.9	20.4	23.4
1.70	10	17	9.5 ④	10.2 ④	11.0 ④	11.7 ④	12.5 ④	13.6 ④	14.7 ④	15.8 ④	17.0 ④	18.5 ④	20.0 ④	21.5 ④	23.0 ④	24.5 ④	27.5 ④
1.71	14	24	8.4	9.2	9.9	10.7	11.4	12.6	13.7	14.8	15.9	17.4	18.9	20.4	21.9	23.4	26.4
1.71	21	36	6.6	7.4	8.1	8.9	9.6	10.7	11.9	13.0	14.1	15.6	17.1	18.6	20.1	21.6	24.6
1.71	28	48	—	5.5	6.3	7.0	7.8	8.9	10.1	11.2	12.3	13.8	15.3	16.8	18.3	19.8	22.8
1.73	15	26	8.1	8.9	9.6	10.4	11.1	12.3	13.4	14.5	15.6	17.1	18.6	20.1	21.6	23.1	26.1
1.75	12	21	8.9 ⑤	9.6 ⑤	10.4 ⑤	11.1 ⑤	11.9 ⑤	13.0 ⑤	14.1 ⑤	15.3 ⑤	16.4 ⑤	17.9 ⑤	19.4 ⑤	20.9 ⑤	22.4 ⑤	23.9 ⑤	26.9 ⑤
1.75	16	28	7.8	8.6	9.3	10.1	10.9	12.0	13.1	14.2	15.4	16.9	18.4	19.9	21.4	22.9	25.9
1.75	48	84	—	—	—	—	—	—	—	—	—	8.4	9.9	11.4	13.0	14.5	17.5
1.76	17	30	7.6	8.3	9.1	9.8	10.6	11.7	12.8	13.9	15.1	16.6	18.1	19.6	21.1	22.6	25.6
1.78	18	32	7.3	8.0	8.8	9.5	10.3	11.4	12.5	13.7	14.8	16.3	17.8	19.3	20.8	22.3	25.3
1.80	10	18	9.4 ④	10.1 ④	10.9 ④	11.6 ④	12.4 ④	13.5 ④	14.6 ④	15.7 ④	16.9 ④	18.4 ④	19.9 ④	21.4 ④	22.9 ④	24.4 ④	27.4 ④
1.80	20	36	6.7	7.4	8.2	9.0	9.7	10.8	12.0	13.1	14.2	15.7	17.2	18.7	20.2	21.7	24.7
1.80	40	72	—	—	—	—	—	—	—	7.6	8.8	10.3	11.9	13.4	14.9	16.4	19.4
1.82	22	40	6.1	6.9	7.6	8.4	9.1	10.3	11.4	12.5	13.6	15.2	16.7	18.2	19.7	21.2	24.2
1.83	12	22	8.8 ⑤	9.5 ⑤	10.3 ⑤	11.0 ⑤	11.8 ⑤	12.9 ⑤	14.1 ⑤	15.2 ⑤	16.3 ⑤	17.8 ⑤	19.3 ⑤	20.8 ⑤	22.3 ⑤	23.8 ⑤	26.8 ⑤
1.83	24	44	5.5	6.3	7.0	7.8	8.5	9.7	10.8	11.9	13.1	14.6	16.1	17.6	19.1	20.6	23.6
1.85	13	24	8.5	9.3	10.0	10.8	11.5	12.6	13.8	14.9	16.0	17.5	19.0	20.5	22.0	23.5	26.5
1.85	26	48	4.9	5.7	6.4	7.2	8.0	9.1	10.2	11.4	12.5	14.0	15.5	17.0	18.5	20.0	23.0
1.86	14	26	8.2	9.0	9.7	10.5	11.2	12.4	13.5	14.6	15.7	17.2	18.7	20.2	21.7	23.2	26.2
1.87	15	28	7.9	8.7	9.4	10.2	10.9	12.1	13.2	14.3	15.5	17.0	18.5	20.0	21.5	23.0	26.0
1.88	16	30	7.6	8.4	9.2	9.9	10.7	11.8	12.9	14.0	15.2	16.7	18.2	19.7	21.2	22.7	25.7
1.88	32	60	—	—	—	—	6.2	7.3	8.5	9.6	10.7	12.3	13.8	15.3	16.8	18.3	21.3
1.88	17	32	7.4	8.1	8.9	9.6	10.4	11.5	12.6	13.8	14.9	16.4	17.9	19.4	20.9	22.4	25.4
1.89	19	36	6.8	7.5	8.3	9.0	9.8	10.9	12.1	13.2	14.3	15.8	17.3	18.8	20.3	21.8	24.8
1.90	10	19	9.3 ④	10.0 ④	10.8 ④	11.5 ④	12.3 ④	13.4 ④	14.5 ④	15.6 ④	16.8 ④	18.3 ④	19.8 ④	21.3 ④	22.8 ④	24.3 ④	27.3 ④
1.90	21	40	6.2	6.9	7.7	8.5	9.2	10.3	11.5	12.6	13.7	15.2	16.7	18.2	19.8	21.3	24.3
1.91	44	84	—	—	—	—	—	—	—	—	—	8.7	10.2	11.8	13.3	14.8	17.8
2.00	10	20	9.2 ④	9.9 ④	10.7 ④	11.4 ④	12.2 ④	13.3 ④	14.4 ④	15.6 ④	16.7 ④	18.2 ④	19.7 ④	21.2 ④	22.7 ④	24.2 ④	27.2 ④
2.00	12	24	8.6 ⑤	9.3 ⑤	10.1 ⑤	10.9 ⑤	11.6 ⑤	12.7 ⑤	13.9 ⑤	15.0 ⑤	16.1 ⑤	17.6 ⑤	19.1 ⑤	20.6 ⑤	22.1 ⑤	23.6 ⑤	26.6 ⑤
2.00	13	26	8.3	9.1	9.8	10.6	11.3	12.4	13.6	14.7	15.8	17.3	18.8	20.3	21.8	23.3	26.3
2.00	14	28	8.0	8.8	9.5	10.3	11.0	12.2	13.3	14.4	15.5	17.0	18.5	20.0	21.5	23.0	26.1
2.00	15	30	7.7	8.5	9.2	10.0	10.7	11.9	13.0	14.1	15.3	16.8	18.3	19.8	21.3	22.8	25.8
2.00	16	32	7.4	8.2	9.0	9.7	10.5	11.6	12.7	13.8	15.0	16.5	18.0	19.5	21.0	22.5	25.5
2.00	18	36	6.9	7.6	8.4	9.1	9.9	11.0	12.1	13.3	14.4	15.9	17.4	18.9	20.4	21.9	24.9
2.00	20	40	6.3	7.0	7.8	8.5	9.3	10.4	11.6	12.7	13.8	15.3	16.8	18.3	19.8	21.3	24.3
2.00	22	44	5.7	6.4	7.2	8.0	8.7	9.9	11.0	12.1	13.3	14.8	16.3	17.8	19.3	20.8	23.8
2.00	24	48	5.1	5.8	6.6	7.4	8.1	9.3	10.4	11.5	12.7	14.2	15.7	17.2	18.7	20.2	23.2
2.00	30	60	—	—	—	—	6.3	7.5	8.6	9.8	10.9	12.4	14.0	15.5	17.0	18.5	21.5
2.00	36	72	—	—	—	—	—	—	—	8.0	9.1	10.7	12.2	13.7	15.2	16.7	19.8
2.00	48	96	—	—	—	—	—	—	—	—	—	—	—	10.1	11.7	13.2	16.3
2.10	10	21	9.1 ④	9.8 ④	10.6 ④	11.3 ④	12.1 ④	13.2 ④	14.3 ④	15.5 ④	16.6 ④	18.1 ④	19.6 ④	21.1 ④	22.6 ④	24.1 ④	27.1 ④
2.10	21	44	5.7	6.5	7.3	8.0	8.8	9.9	11.1	12.2	13.3	14.8	16.4	17.9	19.4	20.9	23.9
2.10	40	84	—	—	—	—	—	—	—	—	—	9.0	10.6	12.1	13.6	15.2	18.2
2.11	19	40	6.3	7.1	7.9	8.6	9.4	10.5	11.7	12.8	13.9	15.4	16.9	18.4	19.9	21.4	24.4
2.12	17	36	6.9	7.7	8.5	9.2	10.0	11.1	12.2	13.4	14.5	16.0	17.5	19.0	20.5	22.0	25.0
2.13	15	32	7.5	8.3	9.0	9.8	10.5	11.7	12.8	13.9	15.1	16.6	18.1	19.6	21.1	22.6	25.6
2.14	14	30	7.8	8.6	9.3	10.1	10.8	12.0	13.1	14.2	15.3	16.9	18.4	19.9	21.4	22.9	25.9
2.14	28	60	—	—	—	5.7	6.5	7.6	8.8	9.9	11.1	12.6	14.1	15.6	17.1	18.7	21.7
2.15	13	28	8.1	8.9	9.6	10.4	11.1	12.3	13.4	14.5	15.6	17.1	18.6	20.1	21.6	23.1	26.1
2.17	12	26	8.4 ⑤	9.2 ⑤	9.9 ⑤	10.7 ⑤	11.4 ⑤	12.5 ⑤	13.7 ⑤	14.8 ⑤	15.9 ⑤	17.4 ⑤	18.9 ⑤	20.4 ⑤	21.9 ⑤	23.4 ⑤	26.4 ⑤
2.18	22	48	5.2	6.0	6.8	7.5	8.3	9.4	10.6	11.7	12.8	14.4	15.9	17.4	18.9	20.4	23.4
2.18	44	96	—	—	—	—	—	—	—	—	—	—	8.8	10.4	12.0	13.5	16.6
2.20	10	22	9.0 ④	9.7 ④	10.5 ④	11.2 ④	12.0 ④	13.1 ④	14.2 ④	15.4 ④	16.5 ④	18.0 ④	19.5 ④	21.0 ④	22.5 ④	24.0 ④	27.0 ④

Center Distances shown are theoretical; manufacturing tolerances on belt lengths and pulley diameters can affect the actual center distance of a drive. Belt Numbers at the head of center distance columns indicate pitch length (multiplied by ten) and pitch. For example, a "240L" belt is 24 inches long and is for use with 3/8 inch pitch pulleys. This part number must be completed by adding the belt width, for example, adding 075 to this number (making the complete part number read "240L075") indicates that the belt is 3/4 inch wide.

When the center distance for a specific pulley and belt combination is followed by a number in a circle, the horsepower for one inch wide belt must be multiplied by factor at right:

Teeth in Mesh	Factor
⑤	.80
④	.60

When the center distance is 8 or more times the diameter of the small pulley or when drive operates on vertical shafts, both pulleys should be flanged.

Table No. 1

3/8″ Pitch Drive Table

Pulley Combination					Avail-able Belt Widths			Driven Speeds and Horsepower for 1" Wide belt						Nominal Center Distances Using Browning® Gearbelt®				
	Driver		Driven					3500 RPM Motor		1750 RPM Motor		1160 RPM Motor						
Nominal Ratio	Number Grooves	Pitch Dia.	Number Grooves	Pitch Dia.	050	075	100	Driven Speed	HP for 1" Belt	Driven Speed	HP for 1" Belt	Driven Speed	HP for 1" Belt	124 L	150 L	187 L	210 L	225 L
2.20	20	2.387	44	5.252	X	X	X	1591	3.47	795	1.80	527	1.20	—	—	—	4.3	5.1
2.22	18	2.149	40	4.775	X	X	X	1575	3.15	788	1.62	522	1.08	—	—	—	4.9	5.7
2.25	16	1.910	36	4.297	X	X	X	1556	2.83	778	1.45	516	.96	—	—	4.3	5.5	6.3
2.25	32	3.820	72	8.594	X	X	X	1556	5.11	778	2.83	516	1.91	—	—	—	—	—
2.29	14	1.671	32	3.820	X	X	X	1531	*2.49	766	1.27	508	.84	—	—	4.9	6.1	6.9
2.29	21	2.507	48	5.730	X	X	X	1531	3.62	766	1.89	508	1.26	—	—	—	—	4.5
2.31	13	1.552	30	3.581	X	X	X	1517	* 2.32	758	*1.18	503	.78	—	3.3 ⑤	5.2 ⑤	6.4 ⑤	7.1 ⑤
2.31	26	3.104	60	7.162	X	X	X	1517	4.35	758	2.32	503	1.56	—	—	—	—	—
2.32	19	2.268	44	5.252	X	X	X	1511	3.31	756	1.71	501	1.14	—	—	—	4.3	5.1
2.33	12	1.432	28	3.342	X	X	-	1500	*2.15	750	*1.09	497	.72	—	3.6 ④	5.5 ⑤	6.7 ⑤	7.4 ⑤
2.33	36	4.297	84	10.027	X	X	X	1500	5.54	750	3.15	497	2.14	—	—	—	—	—
2.35	17	2.029	40	4.775	X	X	X	1488	2.99	744	1.54	493	1.02	—	—	3.8	5.0	5.7
2.40	10	1.194	24	2.865	X	-	-	1458	*1.80	729	*.91	483	*.60	2.9 ④	4.2 ④	6.1 ④	7.3 ④	8.0 ④
2.40	15	1.790	36	4.297	X	X	X	1458	*2.66	729	1.36	483	.90	—	—	4.4	5.6	6.3
2.40	20	2.387	48	5.730	X	X	X	1458	3.47	729	1.80	483	1.20	—	—	—	—	4.6
2.40	30	3.581	72	8.594	X	X	X	1458	4.88	729	2.66	483	1.79	—	—	—	—	—
2.40	40	4.775	96	11.459	X	X	X	1458	5.88	729	3.47	483	2.37	—	—	—	—	—
2.44	18	2.149	44	5.252	X	X	X	1432	3.15	716	1.62	475	1.08	—	—	—	4.4	5.2
2.46	13	1.552	32	3.820	X	X	X	1422	*2.32	711	*1.18	471	.78	—	3.1 ④	5.0 ⑤	6.2 ⑤	6.9 ⑤
2.50	12	1.432	30	3.581	X	X	-	1400	*2.15	700	*1.09	464	.72	—	3.4 ④	5.3 ⑤	6.5 ⑤	7.2 ⑤
2.50	16	1.910	40	4.775	X	X	X	1400	2.83	700	1.45	464	.96	—	—	3.9	5.0	5.8
2.50	24	2.865	60	7.162	X	X	X	1400	4.07	700	2.15	464	1.44	—	—	—	—	—
2.50	48	5.730	120	14.324	X	X	X	1400	6.32	700	4.07	464	2.81	—	—	—	—	—
2.53	19	2.268	48	5.730	X	X	X	1385	3.31	693	1.71	459	1.14	—	—	—	—	4.7
2.57	14	1.671	36	4.297	X	X	X	1361	*2.49	681	1.27	451	.84	—	—	4.5 ⑤	5.7 ⑤	6.4
2.57	28	3.342	72	8.594	X	X	X	1361	4.62	681	2.49	451	1.67	—	—	—	—	—
2.59	17	2.029	44	5.252	X	X	X	1352	2.99	676	1.54	448	1.02	—	—	—	4.5	5.3
2.60	10	1.194	26	3.104	X	-	-	1346	*1.80	673	*.91	446	*.60	2.6 ③	4.0 ④	5.9 ④	7.1 ④	7.8 ④
2.63	32	3.820	84	10.027	X	X	X	1333	5.11	667	2.83	442	1.91	—	-	-	-	-
2.67	12	1.432	32	3.820	X	X	-	1313	*2.15	656	*1.09	435	.72	—	3.2 ④	5.1 ⑤	6.3 ⑤	7.0 ⑤
2.67	15	1.790	40	4.775	X	X	X	1313	*2.66	656	1.36	435	.90	—	—	3.9 ⑤	5.1	5.9
2.67	18	2.149	48	5.730	X	X	X	1313	3.15	656	1.62	435	1.08	—	—	—	—	4.7
2.67	36	4.297	96	11.459	X	X	X	1313	5.54	656	3.15	435	2.14	—	—	—	—	—
2.73	22	2.626	60	7.162	X	X	X	1283	3.78	642	1.98	425	1.32	—	—	—	—	—
2.75	16	1.910	44	5.252	X	X	X	1273	2.83	636	1.54	422	.96	—	—	—	4.6	5.4
2.77	13	1.552	36	4.297	X	X	X	1264	*2.32	632	*1.18	419	.78	—	—	4.6 ⑤	5.7 ⑤	6.5 ⑤
2.77	26	3.104	72	8.594	X	X	X	1264	4.35	632	2.32	419	1.56	—	—	—	—	—
2.80	10	1.194	28	3.342	X	-	-	1250	*1.80	625	*.91	414	*.60	—	3.8 ④	5.7 ④	6.9 ④	7.6 ④
2.80	30	3.581	84	10.027	X	X	X	1250	4.88	625	2.66	414	1.79	—	—	—	—	—
2.82	17	2.029	48	5.730	X	X	X	1240	2.99	620	1.54	411	1.02	—	—	—	—	4.8
2.86	14	1.671	40	4.775	X	X	X	1225	*2.49	613	1.27	406	.84	—	—	4.0 ⑤	5.2 ⑤	6.0 ⑤
2.86	21	2.507	60	7.162	X	X	X	1225	3.62	613	1.89	406	1.26	—	—	—	—	—
2.93	15	1.790	44	5.252	X	X	X	1193	*2.66	597	1.36	395	.90	—	—	—	4.7 ⑤	5.4 ⑤
3.00	10	1.194	30	3.581	X	-	-	1167	*1.80	583	*.91	387	*.60	—	3.6 ③	5.5 ④	6.6 ④	7.4 ④
3.00	12	1.432	36	4.297	X	X	-	1167	*2.15	583	*1.09	387	.72	—	—	4.7 ④	5.8 ⑤	6.6 ⑤
3.00	16	1.910	48	5.730	X	X	X	1167	2.83	583	1.45	387	.96	—	—	—	—	4.9
3.00	20	2.387	60	7.162	X	X	X	1167	3.47	583	1.80	387	1.20	—	—	—	—	—
3.00	24	2.865	72	8.594	X	X	X	1167	4.07	583	2.15	387	1.44	—	—	—	—	—
3.00	28	3.342	84	10.027	X	X	X	1167	4.62	583	2.49	387	1.67	—	—	—	—	—
3.00	32	3.820	96	11.459	X	X	X	1167	5.11	583	2.83	387	1.91	—	—	—	—	—
3.00	40	4.775	120	14.324	X	X	X	1167	5.88	583	3.47	387	2.37	—	—	—	—	—
3.08	13	1.552	40	4.775	X	X	X	1138	*2.32	569	*1.18	377	.78	—	—	4.1 ④	5.3 ⑤	6.1 ⑤
3.14	14	1.671	44	5.252	X	X	X	1114	*2.49	557	1.27	369	.84	—	—	—	4.7 ⑤	5.5 ⑤
3.16	19	2.268	60	7.162	X	X	X	1108	3.31	554	1.71	367	1.14	—	—	—	—	—
3.20	10	1.194	32	3.820	X	-	-	1094	*1.80	547	*.91	363	*.60	—	3.3 ③	5.3 ④	6.4 ④	7.2 ④
3.20	15	1.790	48	5.730	X	X	X	1094	*2.66	547	1.36	363	.90	—	—	—	—	5.0 ⑤
3.20	30	3.581	96	11.459	X	X	X	1094	4.88	547	2.66	363	1.79	—	—	—	—	—
3.23	26	3.104	84	10.027	X	X	X	1083	4.35	542	2.32	359	1.56	—	—	—	—	—
3.27	22	2.626	72	8.594	X	X	X	1069	3.78	535	1.98	354	1.32	—	—	—	—	—
3.33	12	1.432	40	4.775	X	X	-	1050	*2.15	525	*1.09	348	.72	—	—	4.2 ④	5.4 ④	6.2 ④
3.33	18	2.149	60	7.162	X	X	X	1050	3.15	525	1.62	348	1.08	—	—	—	—	—
3.33	36	4.297	120	14.324	X	X	X	1050	5.54	525	3.15	348	2.14	—	—	—	—	—
3.38	13	1.552	44	5.252	X	X	X	1034	*2.32	517	*1.18	343	.78	—	—	—	4.8 ④	5.6 ⑤
3.43	14	1.671	48	5.730	X	X	X	1021	*2.49	510	1.27	338	.84	—	—	—	4.2 ④	5.0 ⑤
3.43	21	2.507	72	8.594	X	X	X	1021	3.62	510	1.89	338	1.26	—	—	—	—	—
3.43	28	3.342	96	11.459	X	X	X	1021	4.62	510	2.49	338	1.67	—	—	—	—	—
3.50	24	2.865	84	10.027	X	X	X	1000	4.07	500	2.15	331	1.44	—	—	—	—	—

Horsepower Ratings shown in these tables are for a 1" wide belt. To find the belt width required, divide the **NORMAL RATING** (See Page E-21) of the drive by the Horsepower shown in the table above. The result is the "Effective Belt Width". Using this, or the next higher figure, determine the "Actual Belt Width" from the following table:

Effective Belt Width……..	**.28"**	**.42"**	**.57"**	**.71"**	**1.00"**	**1.29"**	**1.56"**	**2.14"**	**2.72"**	**3.36"**
Actual Belt Width……..	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	2	2 1/2	3

*This rating is for a pulley below the minimum recommended on page E-22 and, therefore, a reduction in belt life should be expected.

When the center distance for a specific pulley and belt combination is followed by a number in a circle, the horsepower for one inch wide belt must be multiplied by factor at right:

Teeth in Mesh	Factor
⑤	**.80**
④	**.60**
③	**.40**

Table No. 1

3/8" Pitch Drive Table

Nominal Ratio	Pulley Combination Driver Number Grooves	Pulley Combination Driven Number Grooves	Nominal Center Distances using Browning® Gearbelt® 240 L	255 L	270 L	285 L	300 L	322 L	345 L	367 L	390 L	420 L	450 L	480 L	510 L	540 L	600 L
2.20	20	44	5.8	6.6	7.4	8.1	8.9	10.0	11.2	12.3	13.4	14.9	16.4	17.9	19.5	21.0	24.0
2.22	18	40	6.4	7.2	8.0	8.7	9.5	10.6	11.7	12.9	14.0	15.5	17.0	18.5	20.0	21.5	24.5
2.25	16	36	7.0	7.8	8.5	9.3	10.1	11.2	12.3	13.4	14.6	16.1	17.6	19.1	20.6	22.5	25.1
2.25	32	72	—	—	—	—	—	—	7.1	8.3	9.5	11.0	12.5	14.1	15.6	17.1	20.1
2.29	14	32	7.6	8.4	9.1	9.9	10.6	11.8	12.9	14.0	15.2	16.7	18.2	19.7	21.2	22.7	25.7
2.29	21	48	5.3	6.1	6.8	7.6	8.4	9.5	10.7	11.8	12.9	14.4	16.0	17.5	19.0	20.5	23.5
2.31	13	30	7.9 ⑤	8.7	9.4	10.2	10.9	12.1	13.2	14.3	15.4	16.9	18.4	19.9	21.4	22.9	26.0
2.31	26	60	—	—	—	5.8	6.6	7.8	9.0	10.1	11.3	12.8	14.3	15.8	17.3	18.8	21.8
2.32	19	44	5.9	6.7	7.4	8.2	9.0	10.1	11.2	12.4	13.5	15.0	16.5	18.0	19.5	21.0	24.1
2.33	12	28	8.2 ⑤	9.0 ⑤	9.7 ⑤	10.5 ⑤	11.2 ⑤	12.3 ⑤	13.5 ⑤	14.6 ⑤	15.7 ⑤	17.2 ⑤	18.7 ⑤	20.2 ⑤	21.7 ⑤	23.2 ⑤	26.2 ⑤
2.33	36	84	—	—	—	—	—	—	—	—	7.7	9.3	10.9	12.4	14.0	15.5	18.5
2.35	17	40	6.5	7.3	8.0	8.8	9.6	10.7	11.8	13.0	14.1	15.6	17.1	18.6	20.1	21.6	24.6
2.40	10	24	8.8 ④	9.5 ④	10.3 ④	11.0 ④	11.8 ④	12.9 ④	14.0 ④	15.2 ④	16.3 ④	17.8 ④	19.3 ④	20.8 ④	22.3 ④	23.8 ④	26.8 ④
2.40	15	36	7.1	7.9	8.6	9.4	10.1	11.3	12.4	13.5	14.7	16.2	17.7	19.2	20.7	22.2	25.2
2.40	20	48	5.4	6.2	6.9	7.7	8.5	9.6	10.7	11.9	13.0	14.5	16.0	17.5	19.1	20.6	23.6
2.40	30	72	—	—	—	—	—	—	7.3	8.4	9.6	11.2	12.7	14.2	15.7	17.3	20.3
2.40	40	96	—	—	—	—	—	—	—	—	—	—	9.1	10.7	12.3	13.9	16.9
2.44	18	44	6.0	6.8	7.5	8.3	9.1	10.2	11.3	12.5	13.6	15.1	16.6	18.1	19.6	21.1	24.1
2.46	13	32	7.7 ⑤	8.5 ⑤	9.2 ⑤	10.0	10.7	11.9	13.0	14.1	15.2	16.7	18.2	19.8	21.3	22.8	25.8
2.50	12	30	8.0 ⑤	8.7 ⑤	9.5 ⑤	10.3 ⑤	11.0 ⑤	12.1 ⑤	13.3 ⑤	14.4 ⑤	15.5 ⑤	17.0 ⑤	18.5 ⑤	20.0 ⑤	21.5 ⑤	23.0 ⑤	26.0 ⑤
2.50	16	40	6.6	7.4	8.1	8.9	9.6	10.8	11.9	13.0	14.2	15.7	17.2	18.7	20.2	21.7	24.7
2.50	24	60	—	—	—	6.0	6.8	8.0	9.1	10.3	11.4	13.0	14.5	16.0	17.5	19.0	22.0
2.50	48	120	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13.6
2.53	19	48	5.4	6.2	7.0	7.8	8.5	9.7	10.8	12.0	13.1	14.6	16.1	17.6	19.1	20.6	23.7
2.57	14	36	7.2	8.0	8.7	9.5	10.2	11.4	12.5	13.6	14.8	16.3	17.8	19.3	20.8	22.3	25.3
2.57	28	72	—	—	—	—	—	—	7.4	8.6	9.8	11.3	12.9	14.4	15.9	17.4	20.5
2.59	17	44	6.1	6.8	7.6	8.4	9.1	10.3	11.4	12.6	13.7	15.2	16.7	18.2	19.7	21.2	24.2
2.60	10	26	8.6 ④	9.3 ④	10.1 ④	10.8 ④	11.6 ④	12.7 ④	13.8 ④	15.0 ④	16.1 ④	17.6 ④	19.1 ④	20.6 ④	22.1 ④	23.6 ④	26.6 ④
2.63	32	84	—	—	—	—	—	—	—	—	8.0	9.6	11.2	12.8	14.3	15.8	18.9
2.67	12	32	7.8 ⑤	8.5 ⑤	9.3 ⑤	10.1 ⑤	10.8 ⑤	11.9 ⑤	13.1 ⑤	14.2 ⑤	15.3 ⑤	16.8 ⑤	18.3 ⑤	19.8 ⑤	21.3 ⑤	22.8 ⑤	25.8 ⑤
2.67	15	40	6.7	7.4	8.2	9.0	9.7	10.9	12.0	13.1	14.3	15.8	17.3	18.8	20.3	21.8	24.8
2.67	18	48	5.5	6.3	7.1	7.9	8.6	9.8	10.9	12.1	13.2	14.7	16.2	17.7	19.2	20.7	23.7
2.67	36	96	—	—	—	—	—	—	—	—	—	—	9.5	11.1	12.6	14.2	17.3
2.73	22	60	—	—	5.3	6.1	6.9	8.1	9.3	10.4	11.6	13.1	14.6	16.2	17.7	19.2	22.2
2.75	16	44	6.2	6.9	7.7	8.5	9.2	10.4	11.5	12.6	13.8	15.3	16.8	18.3	19.8	21.3	24.3
2.77	13	36	7.3 ⑤	8.0 ⑤	8.8 ⑤	9.6 ⑤	10.3 ⑤	11.5	12.6	13.7	14.8	16.4	17.9	19.4	20.9	22.4	25.4
2.77	26	72	—	—	—	—	—	6.4	7.6	8.8	9.9	11.5	13.0	14.6	16.1	17.6	20.6
2.80	10	28	8.4 ④	9.1 ④	9.9 ④	10.6 ④	11.4 ④	12.5 ④	13.6 ④	14.8 ④	15.9 ④	17.4 ④	18.9 ④	20.4 ④	21.9 ④	23.4 ④	26.4 ④
2.80	30	84	—	—	—	—	—	—	—	—	8.2	9.8	11.4	12.9	14.5	16.0	19.0
2.82	17	48	5.6	6.4	7.2	7.9	8.7	9.9	11.0	12.1	13.3	14.8	16.3	17.8	19.3	20.8	23.8
2.86	14	40	6.8 ⑤	7.5	8.3	9.1	9.8	11.0	12.1	13.2	14.4	15.9	17.4	18.9	20.4	21.9	24.9
2.86	21	60	—	—	5.4	6.2	7.0	8.2	9.4	10.5	11.7	13.2	14.7	16.2	17.8	19.3	22.3
2.93	15	44	6.2	7.0	7.8	8.5	9.3	10.5	11.6	12.7	13.9	15.4	16.9	18.4	19.9	21.4	24.4
3.00	10	30	8.2 ④	8.9 ④	9.7 ④	10.4 ④	11.2 ④	12.3 ④	13.4 ④	14.6 ④	15.7 ④	17.2 ④	18.7 ④	20.2 ④	21.7 ④	23.2 ④	26.2 ④
3.00	12	36	7.4 ⑤	8.1 ⑤	8.9 ⑤	9.6 ⑤	10.4 ⑤	11.5 ⑤	12.7 ⑤	13.8 ⑤	14.9 ⑤	16.4 ⑤	17.9 ⑤	19.4 ⑤	21.0 ⑤	22.5 ⑤	25.5 ⑤
3.00	16	48	5.7	6.5	7.3	8.0	8.8	9.9	11.1	12.2	13.4	14.9	16.4	17.9	19.4	20.9	23.9
3.00	20	60	—	—	5.5	6.3	7.1	8.3	9.5	10.6	11.8	13.3	14.8	16.3	17.8	19.4	22.4
3.00	24	72	—	—	—	—	—	6.5	7.7	8.9	10.1	11.7	13.2	14.7	16.3	17.8	20.8
3.00	28	84	—	—	—	—	—	—	—	7.1	8.3	9.9	11.5	13.1	14.6	16.2	19.2
3.00	32	96	—	—	—	—	—	—	—	—	—	8.1	9.8	11.4	12.9	14.5	17.6
3.00	40	120	—	—	—	—	—	—	—	—	—	—	—	—	—	11.0	14.2
3.08	13	40	6.8 ⑤	7.6 ⑤	8.4 ⑤	9.1 ⑤	9.9 ⑤	11.0 ⑤	12.2 ⑤	13.3	14.4	16.0	17.5	19.0	20.5	22.0	25.0
3.14	14	44	6.3 ⑤	7.1 ⑤	7.9 ⑤	8.6	9.4	10.5	11.7	12.8	14.0	15.5	17.0	18.5	20.0	21.5	24.0
3.16	19	60	—	-	5.6	6.4	7.2	8.4	9.5	10.7	11.8	13.4	14.9	16.4	17.9	19.4	22.5
3.20	10	32	8.0 ④	8.7 ④	9.5 ④	10.2 ④	11.0 ④	12.1 ④	13.2 ④	14.4 ④	15.5 ④	17.0 ④	18.5 ④	20.0 ④	21.5 ④	23.0 ④	26.0 ④
3.20	15	48	5.8 ⑤	6.6	7.3	8.1	8.9	10.0	11.2	12.3	13.5	15.0	16.5	18.0	19.5	21.0	24.0
3.20	30	96	—	—	—	—	—	—	—	—	—	8.3	9.9	11.5	13.1	14.7	17.8
3.23	26	84	—	—	—	—	—	—	—	7.2	8.5	10.1	11.7	13.2	14.8	16.3	19.4
3.27	22	72	—	—	—	—	—	6.7	7.9	9.1	10.3	11.8	13.4	14.9	16.4	17.9	21.0
3.33	12	40	6.9 ⑤	7.7 ⑤	8.5 ⑤	9.2 ⑤	10.0 ⑤	11.1 ⑤	12.3 ⑤	13.4 ⑤	14.5 ⑤	16.0 ⑤	17.5 ⑤	19.1 ⑤	20.6 ⑤	22.1 ⑤	25.1 ⑤
3.33	18	60	—	—	5.6	6.5	7.3	8.4	9.6	10.8	11.9	13.5	15.0	16.5	18.0	19.5	22.6
3.33	36	120	—	—	—	—	—	—	—	—	—	—	—	—	—	11.3	14.5
3.38	13	44	6.4 ⑤	7.2 ⑤	7.9 ⑤	8.7 ⑤	9.5 ⑤	10.6 ⑤	11.8 ⑤	12.9 ⑤	14.0 ⑤	15.5	17.1	18.6	20.1	21.6	24.6
3.43	14	48	5.8 ⑤	6.6 ⑤	7.4 ⑤	8.2 ⑤	9.0 ⑤	10.1	11.3	12.4	13.5	15.1	16.6	18.1	19.6	21.1	24.1
3.43	21	72	—	—	—	—	—	6.7	8.0	9.2	10.3	11.9	13.4	15.0	16.5	18.0	21.1
3.43	28	96	—	—	—	—	—	—	—	—	—	8.4	10.1	11.7	13.3	14.8	17.9
3.50	24	84	—	—	—	—	—	—	—	7.4	8.6	10.3	11.8	13.4	15.0	16.5	19.6

Center Distances shown are theoretical; manufacturing tolerances on belt lengths and pulley diameters can affect the actual center distance of a drive. Belt Numbers at the head of center distance columns indicate pitch length (multiplied by ten) and pitch. For example, a "240L" belt is 24 inches long and is for use with 3/8 inch pitch pulleys. This part number must be completed by adding the belt width, for example, adding 075 to this number (making the complete part number read "240L075") indicates that the belt is 3/4 inch wide.

When the center distance for a specific pulley and belt combination is followed by a number in a circle, the horsepower for one inch wide belt must be multiplied by factor at right:

Teeth in Mesh	Factor
⑤	.80
④	.60

When the center distance is 8 or more times the diameter of the small pulley or when drive operates on vertical shafts, both pulleys should be flanged.

Table No. 1

3/8″ Pitch Drive Table

Pulley Combination					Avail-able Belt Widths			Driven Speeds and Horsepower for 1" Wide belt						Nominal Center Distances Using Browning® Gearbelt®				
	Driver		Driven					3500 RPM Motor		1750 RPM Motor		1160 RPM Motor						
Nominal Ratio	Number Grooves	Pitch Dia.	Number Grooves	Pitch Dia.	050	075	100	Driven Speed	HP for 1" Belt	Driven Speed	HP for 1" Belt	Driven Speed	HP for 1" Belt	124 L	150 L	187 L	210 L	225 L
3.53	17	2.029	60	7.162	X	X	X	992	2.99	496	1.54	329	1.02	—	—	—	—	—
3.60	10	1.194	36	4.297	X	-	-	972	*1.80	486	*.91	322	*.60	—	—	4.8 ③	6.0 ④	6.8 ④
3.60	20	2.387	72	8.594	X	X	X	972	3.47	486	1.80	322	1.20	—	—	—	—	—
3.67	12	1.432	44	5.252	X	X	-	955	*2.15	477	*1.09	316	.72	—	—	—	4.9 ④	5.7 ④
3.69	13	1.552	48	5.730	X	X	X	948	*2.32	474	*1.18	314	.78	—	—	—	4.3 ④	5.1 ④
3.69	26	3.104	96	11.459	X	X	X	948	4.35	474	2.32	314	1.56	—	—	—	—	—
3.75	16	1.910	60	7.162	X	X	X	933	2.83	467	1.45	309	.96	—	—	—	—	—
3.75	32	3.820	120	14.324	X	X	X	933	5.11	467	2.83	309	1.91	—	—	—	—	—
3.79	19	2.268	72	8.594	X	X	X	924	3.31	462	1.71	306	1.14	—	—	—	—	—
3.82	22	2.626	84	10.027	X	X	X	917	3.78	458	1.98	304	1.32	—	—	—	—	—
4.00	10	1.194	40	4.775	X	-	-	875	*1.80	438	*.91	290	*.60	—	—	4.3 ③	5.5 ③	6.3 ④
4.00	12	1.432	48	5.730	X	X	-	875	*2.15	438	*1.09	290	.72	—	—	—	4.4 ④	5.2 ④
4.00	15	1.790	60	7.162	X	X	X	875	*2.66	438	1.36	290	.90	—	—	—	—	—
4.00	18	2.149	72	8.594	X	X	X	875	3.15	438	1.62	290	1.08	—	—	—	—	—
4.00	21	2.507	84	10.027	X	X	X	875	3.62	438	1.89	290	1.26	—	—	—	—	—
4.00	24	2.865	96	11.459	X	X	X	875	4.07	438	2.15	290	1.44	—	—	—	—	—
4.00	30	3.581	120	14.324	X	X	X	875	4.88	438	2.66	290	1.79	—	—	—	—	—
4.20	20	2.387	84	10.027	X	X	X	833	3.47	417	1.80	276	1.20	—	—	—	—	—
4.24	17	2.029	72	8.594	X	X	X	826	2.99	413	1.54	274	1.02	—	—	—	—	—
4.29	14	1.671	60	7.162	X	X	X	817	*2.49	408	1.27	271	.84	—	—	—	—	—
4.29	28	3.342	120	14.324	X	X	X	817	4.62	408	2.49	271	1.67	—	—	—	—	—
4.36	22	2.626	96	11.459	X	X	X	802	3.78	401	1.98	266	1.32	—	—	—	—	—
4.40	10	1.194	44	5.252	X	-	-	795	*1.80	398	*.91	264	*.60	—	—	3.8 ③	5.0 ③	5.8 ③
4.42	19	2.268	84	10.027	X	X	X	792	3.31	396	1.71	262	1.14	—	—	—	—	—
4.50	16	1.910	72	8.594	X	X	X	778	2.83	389	1.45	258	.96	—	—	—	—	—
4.57	21	2.507	96	11.459	X	X	X	766	3.62	383	1.89	254	1.26	—	—	—	—	—
4.62	13	1.552	60	7.162	X	X	X	758	*2.32	379	*1.18	251	.78	—	—	—	—	—
4.62	26	3.104	120	14.324	X	X	X	758	4.35	379	2.32	251	1.56	—	—	—	—	—
4.67	18	2.149	84	10.027	X	X	X	750	3.15	375	1.62	249	1.08	—	—	—	—	—
4.80	10	1.194	48	5.730	X	-	-	729	*1.80	365	*.91	242	*.60	—	—	—	4.5 ③	5.3 ③
4.80	15	1.790	72	8.594	X	X	X	729	*2.66	365	1.36	242	.90	—	—	—	—	—
4.80	20	2.387	96	11.459	X	X	X	729	3.47	365	1.80	242	1.20	—	—	—	—	—
4.94	17	2.029	84	10.027	X	X	X	708	2.99	354	1.54	235	1.02	—	—	—	—	—
5.00	12	1.432	60	7.162	X	X	-	700	*2.15	350	*1.09	232	.72	—	—	—	—	—
5.00	24	2.865	120	14.324	X	X	X	700	4.07	350	2.15	232	1.44	—	—	—	—	—
5.05	19	2.268	96	11.459	X	X	X	693	3.31	346	1.71	230	1.14	—	—	—	—	—
5.14	14	1.671	72	8.594	X	X	X	681	*2.49	340	1.27	226	.84	—	—	—	—	—
5.25	16	1.910	84	10.027	X	X	X	667	2.83	333	1.45	221	.96	—	—	—	—	—
5.33	18	2.149	96	11.459	X	X	X	656	3.15	328	1.62	218	1.08	—	—	—	—	—
5.45	22	2.626	120	14.324	X	X	X	642	3.78	321	1.98	213	1.32	—	—	—	—	—
5.54	13	1.552	72	8.594	X	X	X	632	*2.32	316	*1.18	209	.78	—	—	—	—	—
5.60	15	1.790	84	10.027	X	X	X	625	*2.66	313	1.36	207	.90	—	—	—	—	—
5.65	17	2.029	96	11.459	X	X	X	620	2.99	310	1.54	205	1.02	—	—	—	—	—
5.71	21	2.507	120	14.324	X	X	X	613	3.62	306	1.89	203	1.26	—	—	—	—	—
6.00	10	1.194	60	7.162	X	-	-	583	*1.80	292	*.91	193	*.60	—	—	—	—	—
6.00	12	1.432	72	8.594	X	X	-	583	*2.15	292	*1.09	193	.72	—	—	—	—	—
6.00	14	1.671	84	10.027	X	X	X	583	*2.49	292	1.27	193	.84	—	—	—	—	—
6.00	16	1.910	96	11.459	X	X	X	583	2.83	292	1.45	193	.96	—	—	—	—	—
6.00	20	2.387	120	14.324	X	X	X	583	3.47	292	1.80	193	1.20	—	—	—	—	—
6.32	19	2.268	120	14.324	X	X	X	554	3.31	277	1.71	184	1.14	—	—	—	—	—
6.40	15	1.790	96	11.459	X	X	X	547	*2.66	273	1.36	181	.90	—	—	—	—	—
6.46	13	1.552	84	10.027	X	X	X	542	*2.32	271	*1.18	180	.78	—	—	—	—	—
6.67	18	2.149	120	14.324	X	X	X	525	3.15	263	1.62	174	1.08	—	—	—	—	—
6.86	14	1.671	96	11.459	X	X	X	510	*2.49	255	1.27	169	.84	—	—	—	—	—
7.00	12	1.432	84	10.027	X	X	-	500	*2.15	250	*1.09	166	.72	—	—	—	—	—
7.06	17	2.029	120	14.324	X	X	X	496	2.99	248	1.54	164	1.02	—	—	—	—	—
7.20	10	1.194	72	8.594	X	-	-	486	*1.80	243	*.91	161	*.60	—	—	—	—	—
7.38	13	1.552	96	11.459	X	X	X	474	*2.32	237	*1.18	157	.78	—	—	—	—	—
7.50	16	1.910	120	14.324	X	X	X	467	2.83	233	1.45	155	.96	—	—	—	—	—
8.00	12	1.432	96	11.459	X	X	-	438	*2.15	219	*1.09	145	.72	—	—	—	—	—
8.00	15	1.790	120	14.324	X	X	X	438	*2.66	219	1.36	145	.90	—	—	—	—	—
8.40	10	1.194	84	10.027	X	-	-	417	*1.80	208	*.91	138	*.60	—	—	—	—	—
8.57	14	1.671	120	14.324	X	X	X	408	*2.49	204	1.27	135	.84	—	—	—	—	—
9.23	13	1.552	120	14.324	X	X	X	379	*2.32	190	*1.18	126	.78	—	—	—	—	—
9.60	10	1.194	96	11.459	X	-	-	365	*1.80	182	*.91	121	*.60	—	—	—	—	—
10.00	12	1.432	120	14.324	X	X	-	350	*2.15	175	*1.09	116	.72	—	—	—	—	—
12.00	10	1.194	120	14.324	X	-	-	292	*1.80	146	*.91	97	*.60	—	—	—	—	—

Horsepower Ratings shown in these tables are for a 1" wide belt. To find the belt width required, divide the **NORMAL RATING** (See Page E-21) of the drive by the Horsepower shown in the table above. The result is the "Effective Belt Width". Using this, or the next higher figure, determine the "Actual Belt Width" from the following table:

Effective Belt Width……..	**.28"**	**.42"**	**.57"**	**.71"**	**1.00"**	**1.29"**	**1.56"**	**2.14"**	**2.72"**	**3.36"**
Actual Belt Width……..	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	2	2 1/2	3

*This rating is for a pulley below the minimum recommended on page E-22 and, therefore, a reduction in belt life should be expected.

When the center distance for a specific pulley and belt combination is followed by a number in a circle, the horsepower for one inch wide belt must be multiplied by factor at right:

Teeth in Mesh	Factor
⑤	**.80**
④	**.60**
③	**.40**

Table No. 1

3/8" Pitch Drive Table

Nominal Ratio	Pulley Combination Driver Number Grooves	Pulley Combination Driven Number Grooves	Nominal Center Distances using Browning® Gearbelt® 240 L	255 L	270 L	285 L	300 L	322 L	345 L	367 L	390 L	420 L	450 L	480 L	510 L	540 L	600 L
3.53	17	60	—	—	5.7	6.5	7.3	8.5	9.7	10.9	12.0	13.5	15.1	16.6	18.1	19.6	22.6
3.60	10	36	7.5 ④	8.3 ④	9.1 ④	9.8 ④	10.6 ④	11.7 ④	12.8 ④	14.0 ④	15.1 ④	16.6 ④	18.1 ④	19.6 ④	21.1 ④	22.6 ④	25.6 ④
3.60	20	72	—	—	—	—	—	6.8	8.0	9.2	10.4	12.0	13.5	15.1	16.6	18.1	21.2
3.67	12	44	6.5 ④	7.3 ④	8.0 ⑤	8.8 ⑤	9.6 ⑤	10.7 ⑤	11.8 ⑤	13.0 ⑤	14.1 ⑤	15.6 ⑤	17.1 ⑤	18.7 ⑤	20.2 ⑤	21.7 ⑤	24.7 ⑤
3.69	13	48	5.9 ⑤	6.7 ⑤	7.5 ⑤	8.3 ⑤	9.0 ⑤	10.2 ⑤	11.3 ⑤	12.5 ⑤	13.6 ⑤	15.1 ⑤	16.7 ⑤	18.2	19.7	21.2	24.2
3.69	26	96	—	—	—	—	—	—	—	—	—	8.6	10.2	11.8	13.4	15.0	18.1
3.75	16	60	—	4.9 ⑤	5.8 ⑤	6.6 ⑤	7.4	8.6	9.8	10.9	12.1	13.6	15.2	16.7	18.2	19.7	22.7
3.75	32	120	—	—	—	—	—	—	—	—	—	—	—	—	9.9	11.6	14.8
3.79	19	72	—	—	—	—	—	6.9	8.1	9.3	10.5	12.1	13.6	15.1	16.7	18.2	21.2
3.82	22	84	—	—	—	—	—	—	—	7.5	8.8	10.4	12.0	13.6	15.1	16.7	19.7
4.00	10	40	7.1 ④	7.9 ④	8.6 ④	9.4 ④	10.2 ④	11.3 ④	12.4 ④	13.6 ④	14.7 ④	16.2 ④	17.7 ④	19.2 ④	20.7 ④	22.2 ④	25.3 ④
4.00	12	48	6.0 ④	6.8 ④	7.6 ④	8.4 ⑤	9.1 ⑤	10.3 ⑤	11.4 ⑤	12.6 ⑤	13.7 ⑤	15.2 ⑤	16.7 ⑤	18.3 ⑤	19.8 ⑤	21.3 ⑤	24.3 ⑤
4.00	15	60	—	5.0 ④	5.9 ⑤	6.7 ⑤	7.5 ⑤	8.7	9.9	11.0	12.2	13.7	15.2	16.8	18.3	19.8	22.8
4.00	18	72	—	—	—	—	—	7.0	8.2	9.4	10.6	12.1	13.7	15.2	16.8	18.3	21.3
4.00	21	84	—	—	—	—	—	—	—	7.6	8.9	10.5	12.1	13.6	15.2	16.7	19.8
4.00	24	96	—	—	—	—	—	—	—	—	—	8.7	10.4	12.0	13.6	15.1	18.3
4.00	30	120	—	—	—	—	—	—	—	—	—	—	—	—	10.0	11.7	15.0
4.20	20	84	—	—	—	—	—	—	—	7.7	8.9	10.6	12.2	13.7	15.3	16.8	19.9
4.24	17	72	—	—	—	—	5.7 ⑤	7.0 ⑤	8.3	9.5	10.7	12.2	13.8	15.3	16.8	18.4	21.4
4.29	14	60	—	5.1 ④	5.9 ④	6.8 ⑤	7.6 ⑤	8.8 ⑤	9.9 ⑤	11.1 ⑤	12.3	13.8	15.3	16.8	18.4	19.9	22.9
4.29	28	120	—	—	—	—	—	—	—	—	—	—	—	—	10.2	11.9	15.1
4.36	22	96	—	—	—	—	—	—	—	—	—	8.9	10.5	12.1	13.7	15.3	18.4
4.40	10	44	6.6 ④	7.4 ④	8.2 ④	9.0 ④	9.7 ④	10.9 ④	12.0 ④	13.2 ④	14.3 ④	15.8 ④	17.3 ④	18.8 ④	20.3 ④	21.8 ④	24.9 ④
4.42	19	84	—	—	—	—	—	—	—	7.8	9.0	10.6	12.2	13.8	15.4	16.9	20.0
4.50	16	72	—	—	—	—	5.8 ⑤	7.1 ⑤	8.3 ⑤	9.5	10.7	12.3	13.9	15.4	16.9	18.5	21.5
4.57	21	96	—	—	—	—	—	—	—	—	—	8.9	10.6	12.2	13.8	15.4	18.5
4.62	13	60	—	5.2 ④	6.0 ④	6.8 ④	7.6 ④	8.8 ⑤	10.0 ⑤	11.2 ⑤	12.3 ⑤	13.9 ⑤	15.4 ⑤	16.9 ⑤	18.4 ⑤	20.0 ⑤	23.0 ⑤
4.62	26	120	—	—	—	—	—	—	—	—	—	—	—	—	10.3	12.0	15.3
4.67	18	84	—	—	—	—	—	—	6.5 ⑤	7.8	9.1	10.7	12.3	13.9	15.4	17.0	20.1
4.80	10	48	6.1 ③	6.9 ③	7.7 ④	8.5 ④	9.3 ④	10.4 ④	11.6 ④	12.7 ④	13.9 ④	15.4 ④	16.9 ④	18.4 ④	19.9 ④	21.4 ④	24.5 ④
4.80	15	72	—	—	—	—	5.9 ④	7.2 ⑤	8.4 ⑤	9.6 ⑤	10.8	12.4	13.9	15.5	17.0	18.5	21.6
4.80	20	96	—	—	—	—	—	—	—	—	—	9.0	10.7	12.3	13.9	15.5	18.6
4.94	17	84	—	—	—	—	—	—	6.6 ⑤	7.9 ⑤	9.2	10.8	12.4	14.0	15.5	17.1	20.1
5.00	12	60	—	5.2 ③	6.1 ④	6.9 ④	7.7 ④	8.9 ④	10.1 ④	11.3 ⑤	12.4 ⑤	14.0 ⑤	15.5 ⑤	17.0 ⑤	18.5 ⑤	20.0 ⑤	23.1 ⑤
5.00	24	120	—	—	—	—	—	—	—	—	—	—	—	—	10.5	12.2	15.4
5.05	19	96	—	—	—	—	—	—	—	—	7.3 ⑤	9.1	10.7	12.4	14.0	15.5	18.7
5.14	14	72	—	—	—	—	6.0 ④	7.2 ④	8.5 ⑤	9.7 ⑤	10.9 ⑤	12.5 ⑤	14.0 ⑤	15.6	17.1	18.6	21.7
5.25	16	84	—	—	—	—	—	—	6.7 ④	8.0 ⑤	9.2 ⑤	10.9	12.5	14.0	15.6	17.1	20.2
5.33	18	96	—	—	—	—	—	—	—	—	7.4 ⑤	9.1	10.8	12.5	14.0	15.6	18.7
5.45	22	120	—	—	—	—	—	—	—	—	—	—	—	—	10.6	12.3	15.6
5.54	13	72	—	—	—	—	6.0 ④	7.3 ④	8.6 ④	9.8 ⑤	11.0 ⑤	12.5 ⑤	14.1 ⑤	15.6 ⑤	17.2 ⑤	18.7 ⑤	21.8 ⑤
5.60	15	84	—	—	—	—	—	—	6.7 ④	8.1 ⑤	9.3 ⑤	11.0 ⑤	12.5 ⑤	14.1	15.7	17.2	20.3
5.65	17	96	—	—	—	—	—	—	—	—	7.5 ⑤	9.2 ⑤	10.9	12.5	14.1	15.7	18.8
5.71	21	120	—	—	—	—	—	—	—	—	—	—	—	8.9	10.7	12.4	15.7
6.00	10	60	—	5.4 ③	6.2 ③	7.1 ③	7.9 ③	9.1 ③	10.3 ④	11.4 ④	12.6 ④	14.1 ④	15.7 ④	17.2 ④	18.7 ④	20.2 ④	23.2 ④
6.00	12	72	—	—	—	—	6.1 ③	7.4 ④	8.6 ④	9.9 ④	11.1 ④	12.6 ④	14.2 ⑤	15.7 ⑤	17.3 ⑤	18.8 ⑤	21.8 ⑤
6.00	14	84	—	—	—	—	—	—	6.8 ④	8.1 ④	9.4 ⑤	11.0 ⑤	12.6 ⑤	14.2 ⑤	15.8 ⑤	17.3 ⑤	20.4
6.00	16	96	—	—	—	—	—	—	—	—	7.5 ④	9.3 ⑤	11.0 ⑤	12.6	14.2	15.8	18.9
6.00	20	120	—	—	—	—	—	—	—	—	—	—	—	9.0 ⑤	10.8	12.5	15.8
6.32	19	120	—	—	—	—	—	—	—	—	—	—	—	9.0 ⑤	10.8	12.5	15.8
6.40	15	96	—	—	—	—	—	—	—	—	7.6 ④	9.4 ⑤	11.0 ⑤	12.7 ⑤	14.3 ⑤	15.9	19.0
6.46	13	84	—	—	—	—	—	—	6.9 ③	8.2 ④	9.5 ④	11.1 ④	12.7 ⑤	14.3 ⑤	15.8 ⑤	17.4 ⑤	20.5 ⑤
6.67	18	120	—	—	—	—	—	—	—	—	—	—	—	9.1 ⑤	10.9 ⑤	12.6	15.9
6.86	14	96	—	—	—	—	—	—	—	—	7.7 ④	9.4 ④	11.1 ⑤	12.8 ⑤	14.4 ⑤	15.9 ⑤	19.1 ⑤
7.00	12	84	—	—	—	—	—	—	7.0 ③	8.3 ④	9.5 ④	11.2 ④	12.8 ④	14.4 ④	15.9 ④	17.5 ⑤	20.6 ⑤
7.06	17	120	—	—	—	—	—	—	—	—	—	—	—	9.2 ④	11.0 ⑤	12.7 ⑤	16.0
7.20	10	72	—	—	—	5.3 ②	6.2 ③	7.5 ③	8.8 ③	10.0 ③	11.2 ③	12.8 ④	14.3 ④	15.9 ④	17.4 ④	19.0 ④	22.0 ④
7.38	13	96	—	—	—	—	—	—	—	—	7.7 ③	9.5 ④	11.2 ④	12.8 ④	14.4 ⑤	16.0 ⑤	19.1 ⑤
7.50	16	120	—	—	—	—	—	—	—	—	—	—	—	9.2 ④	11.0 ⑤	12.8 ⑤	16.1
8.00	12	96	—	—	—	—	—	—	—	—	7.8 ③	9.6 ④	11.3 ④	12.9 ④	14.5 ④	16.1 ④	19.2 ⑤
8.00	15	120	—	—	—	—	—	—	—	—	—	—	—	9.3 ④	11.1 ④	12.8 ⑤	16.1 ⑤
8.40	10	84	—	—	—	—	—	—	7.1 ③	8.4 ③	9.7 ③	11.3 ③	12.9 ③	14.5 ④	16.1 ④	17.6 ④	20.7 ④
8.57	14	120	—	—	—	—	—	—	—	—	—	—	—	9.4 ④	11.2 ④	12.9 ④	16.2 ⑤
9.23	13	120	—	—	—	—	—	—	—	—	—	—	—	9.5 ③	11.3 ④	13.0 ④	16.3 ④
9.60	10	96	—	—	—	—	—	—	—	—	8.0 ②	9.7 ③	11.4 ③	13.1 ③	14.7 ③	16.3 ④	19.4 ④
10.00	12	120	—	—	—	—	—	—	—	—	—	—	—	9.5 ③	11.3 ③	13.1 ④	16.4 ④
12.00	10	120	—	—	—	—	—	—	—	—	—	—	—	9.7 ②	11.5 ③	13.2 ③	16.5 ③

Center Distances shown are theoretical; manufacturing tolerances on belt lengths and pulley diameters can affect the actual center distance of a drive. Belt Numbers at the head of center distance columns indicate pitch length (multiplied by ten) and pitch. For example, a "240L" belt is 24 inches long and is for use with 3/8 inch pitch pulleys. This part number must be completed by adding the belt width, for example, adding 075 to this number (making the complete part number read "240L075") indicates that the belt is 3/4 inch wide.

When the center distance for a specific pulley and belt combination is followed by a number in a circle, the horsepower for one inch wide belt must be multiplied by factor at right:

Teeth in Mesh	Factor
⑤	.8
④	.6
③	.4
②	.2

When the center distance is 8 or more times the diameter of the small pulley or when drive operates on vertical shafts, both pulleys should be flanged.

Table No. 1 **1/2″ Pitch Drive Table**

Nominal Ratio	Pulley Combination: Driver Number Grooves	Driver Pitch Dia.	Driven Number Grooves	Driven Pitch Dia.	Available Belt Widths: 075	100	150	200	300	Driven Speeds and Horsepower for 1″ Wide Belt: 3500 RPM Motor Driven Speed	3500 RPM Motor HP for 1″ Belt	1750 RPM Motor Driven Speed	1750 RPM Motor HP for 1″ Belt	1160 RPM Motor Driven Speed	1160 RPM Motor HP for 1″ Belt	Nominal Center Distances Using Browning® Gearbelt®: 240 H	270 H	300 H	330 H	360 H	390 H
1.00	14	2.228	14	2.228	X	X	X	X	-	3500	*8.46	1750	*4.31	1160	*2.86	8.5	10.0	11.5	13.0	14.5	16.0
1.00	16	2.546	16	2.546	X	X	X	X	X	3500	*9.60	1750	*4.91	1160	3.27	8.0	9.5	11.0	12.5	14.0	15.5
1.00	17	2.706	17	2.706	X	X	X	X	X	3500	*10.16	1750	*5.21	1160	3.47	7.8	9.3	10.8	12.3	13.8	15.3
1.00	18	2.865	18	2.865	X	X	X	X	X	3500	*10.71	1750	5.51	1160	3.68	7.5	9.0	10.5	12.0	13.5	15.0
1.00	19	3.024	19	3.024	X	X	X	X	X	3500	*11.26	1750	5.81	1160	3.88	7.3	8.8	10.3	11.8	13.3	14.8
1.00	20	3.183	20	3.183	X	X	X	X	X	3500	11.79	1750	6.11	1160	4.08	7.0	8.5	10.0	11.5	13.0	14.5
1.00	21	3.342	21	3.342	X	X	X	X	X	3500	12.32	1750	6.41	1160	4.28	6.8	8.3	9.8	11.3	12.8	14.3
1.00	22	3.501	22	3.501	X	X	X	X	X	3500	12.84	1750	6.71	1160	4.48	6.5	8.0	9.5	11.0	12.5	14.0
1.00	23	3.661	23	3.661	X	X	-	-	-	3500	13.35	1750	7.00	1160	4.68	6.3	7.8	9.3	10.8	12.3	13.8
1.00	24	3.820	24	3.820	X	X	X	X	X	3500	13.84	1750	7.30	1160	4.88	6.0	7.5	9.0	10.5	12.0	13.5
1.00	25	3.979	25	3.979	X	X	-	-	-	3500	14.33	1750	7.59	1160	5.08	5.8	7.3	8.8	10.3	11.8	13.3
1.00	26	4.138	26	4.138	X	X	X	X	X	3500	14.81	1750	7.88	1160	5.28	5.5	7.0	8.5	10.0	11.5	13.0
1.00	27	4.297	27	4.297	X	X	-	-	-	3500	15.27	1750	8.17	1160	5.48	5.3	6.8	8.3	9.8	11.3	12.8
1.00	28	4.456	28	4.456	X	X	X	X	X	3500	15.73	1750	8.46	1160	5.68	5.0	6.5	8.0	9.5	11.0	12.5
1.00	29	4.615	29	4.615	X	X	-	-	-	3500	16.17	1750	8.75	1160	5.88	—	6.3	7.8	9.3	10.8	12.3
1.00	30	4.775	30	4.775	X	X	X	X	X	3500	16.60	1750	9.03	1160	6.08	—	6.0	7.5	9.0	10.5	12.0
1.00	31	4.934	31	4.934	X	X	-	-	-	3500	17.01	1750	9.32	1160	6.28	—	5.8	7.3	8.8	10.3	11.8
1.00	32	5.093	32	5.093	X	X	X	X	X	3500	17.42	1750	9.60	1160	6.47	—	—	7.0	8.5	10.0	11.5
1.00	33	5.252	33	5.252	X	X	-	-	-	3500	17.80	1750	9.88	1160	6.67	—	—	6.8	8.3	9.8	11.3
1.00	34	5.411	34	5.411	X	X	-	-	-	3500	18.18	1750	10.16	1160	6.87	—	—	6.5	8.0	9.5	11.0
1.00	35	5.570	35	5.570	X	X	-	-	-	3500	18.54	1750	10.44	1160	7.06	—	—	6.3	7.8	9.3	10.8
1.00	36	5.730	36	5.730	X	X	X	X	X	3500	18.88	1750	10.71	1160	7.26	—	—	—	7.5	9.0	10.5
1.00	37	5.889	37	5.889	X	X	-	-	-	3500	19.21	1750	10.99	1160	7.45	—	—	—	7.3	8.8	10.3
1.00	38	6.048	38	6.048	X	X	-	-	-	3500	19.52	1750	11.26	1160	7.65	—	—	—	7.0	8.5	10.0
1.00	39	6.207	39	6.207	X	X	-	-	-	3500	19.82	1750	11.53	1160	7.84	—	—	—	6.8	8.3	9.8
1.00	40	6.366	40	6.366	X	X	X	X	X	3500	20.10	1750	11.79	1160	8.03	—	—	—	—	8.0	9.5
1.00	41	6.525	41	6.525	X	X	-	-	-	3500	20.36	1750	12.06	1160	8.22	—	—	—	—	7.8	9.3
1.00	42	6.685	42	6.685	X	X	-	-	-	3500	—	1750	12.32	1160	8.42	—	—	—	—	7.5	9.0
1.00	43	6.844	43	6.844	X	X	-	-	-	3500	—	1750	12.58	1160	8.61	—	—	—	—	—	—
1.00	44	7.003	44	7.003	X	X	X	X	X	3500	—	1750	12.84	1160	8.80	—	—	—	—	—	—
1.00	45	7.162	45	7.162	X	X	-	-	-	3500	—	1750	13.09	1160	8.99	—	—	—	—	—	—
1.00	48	7.639	48	7.639	X	X	X	X	X	3500	—	1750	13.84	1160	9.55	—	—	—	—	—	—
1.02	40	6.366	41	6.525	X	X	-	-	-	3431	20.10	1716	11.79	1137	8.03	—	—	—	—	7.9	9.4
1.02	41	6.525	42	6.685	X	X	-	-	-	3431	20.36	1716	12.06	1137	8.22	—	—	—	—	7.6	9.1
1.02	42	6.685	43	6.844	X	X	-	-	-	3431	—	1716	12.32	1137	8.42	—	—	—	—	7.4	8.9
1.02	43	6.844	44	7.003	X	X	-	-	-	3431	—	1716	12.58	1137	8.61	—	—	—	—	—	—
1.02	44	7.003	45	7.162	X	X	-	-	-	3431	—	1716	12.84	1137	8.80	—	—	—	—	—	—
1.03	29	4.615	30	4.775	X	X	-	-	-	3398	16.17	1699	8.75	1126	5.88	—	6.1	7.6	9.1	10.6	12.1
1.03	30	4.775	31	4.934	X	X	-	-	-	3398	16.60	1699	9.03	1126	6.08	—	5.9	7.4	8.9	10.4	11.9
1.03	31	4.934	32	5.093	X	X	-	-	-	3398	17.01	1699	9.32	1126	6.28	—	5.6	7.1	8.6	10.1	11.6
1.03	32	5.093	33	5.252	X	X	-	-	-	3398	17.42	1699	9.60	1126	6.47	—	—	6.9	8.4	9.9	11.4
1.03	33	5.252	34	5.411	X	X	-	-	-	3398	17.80	1699	9.88	1126	6.67	—	—	6.6	8.1	9.6	11.1
1.03	34	5.411	35	5.570	X	X	-	-	-	3398	18.18	1699	10.16	1126	6.87	—	—	6.4	7.9	9.4	10.9
1.03	35	5.570	36	5.730	X	X	-	-	-	3398	18.54	1699	10.44	1126	7.06	—	—	—	7.6	9.1	10.6
1.03	36	5.730	37	5.889	X	X	-	-	-	3398	18.88	1699	10.71	1126	7.26	—	—	—	7.4	8.9	10.4
1.03	37	5.889	38	6.048	X	X	-	-	-	3398	19.21	1699	10.99	1126	7.45	—	—	—	7.1	8.6	10.1
1.03	38	6.048	39	6.207	X	X	-	-	-	3398	19.52	1699	11.26	1126	7.65	—	—	—	6.9	8.4	9.9
1.03	39	6.207	40	6.366	X	X	-	-	-	3398	19.82	1699	11.53	1126	7.84	—	—	—	—	8.1	9.6
1.04	23	3.661	24	3.820	X	X	-	-	-	3365	13.35	1683	7.00	1115	4.68	6.1	7.6	9.1	10.6	12.1	13.6
1.04	24	3.820	25	3.979	X	X	-	-	-	3365	13.84	1683	7.30	1115	4.88	5.9	7.4	8.9	10.4	11.9	13.4
1.04	25	3.979	26	4.138	X	X	-	-	-	3365	14.33	1683	7.59	1115	5.08	5.6	7.1	8.6	10.1	11.6	13.1
1.04	26	4.138	27	4.297	X	X	-	-	-	3365	14.81	1683	7.88	1115	5.28	5.4	6.9	8.4	9.9	11.4	12.9
1.04	27	4.297	28	4.456	X	X	-	-	-	3365	15.27	1683	8.17	1115	5.48	5.1	6.6	8.1	9.6	11.1	12.6
1.04	28	4.456	29	4.615	X	X	-	-	-	3365	15.73	1683	8.46	1115	5.68	—	6.4	7.9	9.4	10.9	12.4
1.05	19	3.024	20	3.183	X	X	X	X	X	3333	*11.26	1667	5.81	1105	3.88	7.1	8.6	10.1	11.6	13.1	14.6
1.05	20	3.183	21	3.342	X	X	X	X	X	3333	11.79	1667	6.11	1105	4.08	6.9	8.4	9.9	11.4	12.9	14.4
1.05	21	3.342	22	3.501	X	X	X	X	X	3333	12.32	1667	6.41	1105	4.28	6.6	8.1	9.6	11.1	12.6	14.1
1.05	22	3.501	23	3.661	X	X	-	-	-	3333	12.84	1667	6.71	1105	4.48	6.4	7.9	9.4	10.9	12.4	13.9
1.05	37	5.889	39	6.207	X	X	-	-	-	3333	19.21	1667	10.99	1105	7.45	—	—	—	7.0	8.5	10.0
1.05	38	6.048	40	6.366	X	X	-	-	-	3333	19.52	1667	11.26	1105	7.65	—	—	—	6.8	8.3	9.8
1.05	39	6.207	41	6.525	X	X	-	-	-	3333	19.82	1667	11.53	1105	7.84	—	—	—	—	8.0	9.5
1.05	40	6.366	42	6.685	X	X	-	-	-	3333	20.10	1667	11.79	1105	8.03	—	—	—	—	7.8	9.3
1.05	41	6.525	43	6.844	X	X	-	-	-	3333	20.36	1667	12.06	1105	8.22	—	—	—	—	7.5	9.0
1.05	42	6.685	44	7.003	X	X	-	-	-	3333	—	1667	12.32	1105	8.42	—	—	—	—	—	—
1.05	43	6.844	45	7.162	X	X	-	-	-	3333	—	1667	12.58	1105	8.61	—	—	—	—	—	—
1.06	16	2.546	17	2.706	X	X	X	X	X	3302	*9.60	1651	*4.91	1094	3.27	7.9	9.4	10.9	12.4	13.9	15.4
1.06	17	2.706	18	2.865	X	X	X	X	X	3302	*10.16	1651	*5.21	1094	3.47	7.6	9.1	10.6	12.1	13.6	15.1
1.06	18	2.865	19	3.024	X	X	X	X	X	3302	*10.71	1651	5.51	1094	3.68	7.4	8.9	10.4	11.9	13.4	14.9
1.06	31	4.934	33	5.252	X	X	-	-	-	3302	17.01	1651	9.32	1094	6.28	—	—	7.0	8.5	10.0	11.5
1.06	32	5.093	34	5.411	X	X	-	-	-	3302	17.42	1651	9.60	1094	6.47	—	—	6.8	8.3	9.8	11.3
1.06	33	5.252	35	5.570	X	X	-	-	-	3302	17.80	1651	9.88	1094	6.67	—	—	6.5	8.0	9.5	11.0
1.06	34	5.411	36	5.730	X	X	-	-	-	3302	18.18	1651	10.16	1094	6.87	—	—	6.3	7.8	9.3	10.8

Horsepower Ratings shown in these tables are for a 1" wide belt. To find the belt width required, divide the **NORMAL RATING** (See Page E-21) of the drive by the Horsepower shown in the table above. The result is the "Effective Belt Width". Using this, or the next higher figure, determine the "Actual Belt Width" from the following table:

Effective Belt Width……..	**.42"**	**.57"**	**.71"**	**1.00"**	**1.29"**	**1.56"**	**2.14"**	**2.72"**	**3.36"**	**4.76"**	**6.15"**	**7.50"**	**10.32"**
Actual Belt Width……..	1/2	5/8	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8

*This rating is for a pulley below the minimum recommended on page E-22 and, therefore, a reduction in belt life should be expected.

Table No. 1

1/2" Pitch Drive Table

Nominal Ratio	Pulley Combination Driver Number Grooves	Pulley Combination Driven Number Grooves	Nominal Center Distances using Browning® Gearbelt® 420 H	450 H	480 H	510 H	540 H	570 H	600 H	630 H	660 H	700 H	750 H	800 H	850 H	900 H	1000 H	1100 H	1250 H	1400 H	1700 H
1.00	14	14	17.5	19.0	20.5	22.0	23.5	25.0	26.5	28.0	29.5	31.5	34.0	36.5	39.0	41.5	46.5	51.5	59.0	66.5	81.5
1.00	16	16	17.0	18.5	20.0	21.5	23.0	24.5	26.0	27.5	29.0	31.0	33.5	36.0	38.5	41.0	46.0	51.0	58.5	66.0	81.0
1.00	17	17	16.8	18.3	19.8	21.3	22.8	24.3	25.8	27.3	28.8	30.8	33.3	35.8	38.3	40.8	45.8	50.8	58.3	65.8	80.8
1.00	18	18	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.0	28.5	30.5	33.0	35.5	38.0	40.5	45.5	50.5	58.0	65.5	80.5
1.00	19	19	16.3	17.8	19.3	20.8	22.3	23.8	25.3	26.8	28.3	30.3	32.8	35.3	37.8	40.3	45.3	50.3	57.8	65.3	80.3
1.00	20	20	16.0	17.5	19.0	20.5	22.0	23.5	25.0	26.5	28.0	30.0	32.5	35.0	37.5	40.0	45.0	50.0	57.5	65.0	80.0
1.00	21	21	15.8	17.3	18.8	20.3	21.8	23.3	24.8	26.3	27.8	29.8	32.3	34.8	37.3	39.8	44.8	49.8	57.3	64.8	79.8
1.00	22	22	15.5	17.0	18.5	20.0	21.5	23.0	24.5	26.0	27.5	29.5	32.0	34.5	37.0	39.5	44.5	49.5	57.0	64.5	79.5
1.00	23	23	15.3	16.8	18.3	19.8	21.3	22.8	24.3	25.8	27.3	29.3	31.8	34.3	36.8	39.3	44.3	49.3	56.8	64.3	79.3
1.00	24	24	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.0	29.0	31.5	34.0	36.5	39.0	44.0	49.0	56.5	64.0	79.0
1.00	25	25	14.8	16.3	17.8	19.3	20.8	22.3	23.8	25.3	26.8	28.8	31.3	33.8	36.3	38.8	43.8	48.8	56.3	63.8	78.8
1.00	26	26	14.5	16.0	17.5	19.0	20.5	22.0	23.5	25.0	26.5	28.5	31.0	33.5	36.0	38.5	43.5	48.5	56.0	63.5	78.5
1.00	27	27	14.3	15.8	17.3	18.8	20.3	21.8	23.3	24.8	26.3	28.3	30.8	33.3	35.8	38.3	43.3	48.3	55.8	63.3	78.3
1.00	28	28	14.0	15.5	17.0	18.5	20.0	21.5	23.0	24.5	26.0	28.0	30.5	33.0	35.5	38.0	43.0	48.0	55.5	63.0	78.0
1.00	29	29	13.8	15.3	16.8	18.3	19.8	21.3	22.8	24.3	25.8	27.8	30.3	32.8	35.3	37.8	42.8	47.8	55.3	62.8	77.8
1.00	30	30	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.5	30.0	32.5	35.0	37.5	42.5	47.5	55.0	62.5	77.5
1.00	31	31	13.3	14.8	16.3	17.8	19.3	20.8	22.3	23.8	25.3	27.3	29.8	32.3	34.8	37.3	42.3	47.3	54.8	62.3	77.3
1.00	32	32	13.0	14.5	16.0	17.5	19.0	20.5	22.0	23.5	25.0	27.0	29.5	32.0	34.5	37.0	42.0	47.0	54.5	62.0	77.0
1.00	33	33	12.8	14.3	15.8	17.3	18.8	20.3	21.8	23.3	24.8	26.8	29.3	31.8	34.3	36.8	41.8	46.8	54.3	61.8	76.8
1.00	34	34	12.5	14.0	15.5	17.0	18.5	20.0	21.5	23.0	24.5	26.5	29.0	31.5	34.0	36.5	41.5	46.5	54.0	61.5	76.5
1.00	35	35	12.3	13.8	15.3	16.8	18.3	19.8	21.3	22.8	24.3	26.3	28.8	31.3	33.8	36.3	41.3	46.3	53.8	61.3	76.3
1.00	36	36	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	26.0	28.5	31.0	33.5	36.0	41.0	46.0	53.5	61.0	76.0
1.00	37	37	11.8	13.3	14.8	16.3	17.8	19.3	20.8	22.3	23.8	25.8	28.3	30.8	33.3	35.8	40.8	45.8	53.3	60.8	75.8
1.00	38	38	11.5	13.0	14.5	16.0	17.5	19.0	20.5	22.0	23.5	25.5	28.0	30.5	33.0	35.5	40.5	45.5	53.0	60.5	75.5
1.00	39	39	11.3	12.8	14.3	15.8	17.3	18.8	20.3	21.8	23.3	25.3	27.8	30.3	32.8	35.3	40.3	45.3	52.8	60.3	75.3
1.00	40	40	11.0	12.5	14.0	15.5	17.0	18.5	20.0	21.5	23.0	25.0	27.5	30.0	32.5	35.0	40.0	45.0	52.5	60.0	75.0
1.00	41	41	10.8	12.3	13.8	15.3	16.8	18.3	19.8	21.3	22.8	24.8	27.3	29.8	32.3	34.8	39.8	44.8	52.3	59.8	74.8
1.00	42	42	10.5	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.5	27.0	29.5	32.0	34.5	39.5	44.5	52.0	59.5	74.5
1.00	43	43	10.3	11.8	13.3	14.8	16.3	17.8	19.3	20.8	22.3	24.3	26.8	29.3	31.8	34.3	39.3	44.3	51.8	59.3	74.3
1.00	44	44	10.0	11.5	13.0	14.5	16.0	17.5	19.0	20.5	22.0	24.0	26.5	29.0	31.5	34.0	39.0	44.0	51.5	59.0	74.0
1.00	45	45	9.8	11.3	12.8	14.3	15.8	17.3	18.8	20.3	21.8	23.8	26.3	28.8	31.3	33.8	38.8	43.8	51.3	58.8	73.8
1.00	48	48	9.0	10.5	12.0	13.5	15.0	16.5	18.0	19.5	21.0	23.0	25.5	28.0	30.5	33.0	38.0	43.0	50.5	58.0	73.0
1.02	40	41	10.9	12.4	13.9	15.4	16.9	18.4	19.9	21.4	22.9	24.9	27.4	29.9	32.4	34.9	39.9	44.9	52.4	59.9	74.9
1.02	41	42	10.6	12.1	13.6	15.1	16.6	18.1	19.6	21.1	22.6	24.6	27.1	29.6	32.1	34.6	39.6	44.6	52.1	59.6	74.6
1.02	42	43	10.4	11.9	13.4	14.9	16.4	17.9	19.4	20.9	22.4	24.4	26.9	29.4	31.9	34.4	39.4	44.4	51.9	59.4	74.4
1.02	43	44	10.1	11.6	13.1	14.6	16.1	17.6	19.1	20.6	22.1	24.1	26.6	29.1	31.6	34.1	39.1	44.1	51.6	59.1	74.1
1.02	44	45	9.9	11.4	12.9	14.4	15.9	17.4	18.9	20.4	21.9	23.9	26.4	28.9	31.4	33.9	38.9	43.9	51.4	58.9	73.9
1.03	29	30	13.6	15.1	16.6	18.1	19.6	21.1	22.6	24.1	25.6	27.6	30.1	32.6	35.1	37.6	42.6	47.6	55.1	62.6	77.6
1.03	30	31	13.4	14.9	16.4	17.9	19.4	20.9	22.4	23.9	25.4	27.4	29.9	32.4	34.9	37.4	42.4	47.4	54.9	62.4	77.4
1.03	31	32	13.1	14.6	16.1	17.6	19.1	20.6	22.1	23.6	25.1	27.1	29.6	32.1	34.6	37.1	42.1	47.1	54.6	62.1	77.1
1.03	32	33	12.9	14.4	15.9	17.4	18.9	20.4	21.9	23.4	24.9	26.9	29.4	31.9	34.4	36.9	41.9	46.9	54.4	61.9	76.9
1.03	33	34	12.6	14.1	15.6	17.1	18.6	20.1	21.6	23.1	24.6	26.6	29.1	31.6	34.1	36.6	41.6	46.6	54.1	61.6	76.6
1.03	34	35	12.4	13.9	15.4	16.9	18.4	19.9	21.4	22.9	24.4	26.4	28.9	31.4	33.9	36.4	41.4	46.4	53.9	61.4	76.4
1.03	35	36	12.1	13.6	15.1	16.6	18.1	19.6	21.1	22.6	24.1	26.1	28.6	31.1	33.6	36.1	41.1	46.1	53.6	61.1	76.1
1.03	36	37	11.9	13.4	14.9	16.4	17.9	19.4	20.9	22.4	23.9	25.9	28.4	30.9	33.4	35.9	40.9	45.9	53.4	60.9	75.9
1.03	37	38	11.6	13.1	14.6	16.1	17.6	19.1	20.6	22.1	23.6	25.6	28.1	30.6	33.1	35.6	40.6	45.6	53.1	60.6	75.6
1.03	38	39	11.4	12.9	14.4	15.9	17.4	18.9	20.4	21.9	23.4	25.4	27.9	30.4	32.9	35.4	40.4	45.4	52.9	60.4	75.4
1.03	39	40	11.1	12.6	14.1	15.6	17.1	18.6	20.1	21.6	23.1	25.1	27.6	30.1	32.6	35.1	40.1	45.1	52.6	60.1	75.1
1.04	23	24	15.1	16.6	18.1	19.6	21.1	22.6	24.1	25.6	27.1	29.1	31.6	34.1	36.6	39.1	44.1	49.1	56.6	64.1	79.1
1.04	24	25	14.9	16.4	17.9	19.4	20.9	22.4	23.9	25.4	26.9	28.9	31.4	33.9	36.4	38.9	43.9	48.9	56.4	63.9	78.9
1.04	25	26	14.6	16.1	17.6	19.1	20.6	22.1	23.6	25.1	26.6	28.6	31.1	33.6	36.1	38.6	43.6	48.6	56.1	63.6	78.6
1.04	26	27	14.4	15.9	17.4	18.9	20.4	21.9	23.4	24.9	26.4	28.4	30.9	33.4	35.9	38.4	43.4	48.4	55.9	63.4	78.4
1.04	27	28	14.1	15.6	17.1	18.6	20.1	21.6	23.1	24.6	26.1	28.1	30.6	33.1	35.6	38.1	43.1	48.1	55.6	63.1	78.1
1.04	28	29	13.9	15.4	16.9	18.4	19.9	21.4	22.9	24.4	25.9	27.9	30.4	32.9	35.4	37.9	42.9	47.9	55.4	62.9	77.9
1.05	19	20	16.1	17.6	19.1	20.6	22.1	23.6	25.1	26.6	28.1	30.1	32.6	35.1	37.6	40.1	45.1	50.1	57.6	65.1	80.1
1.05	20	21	15.9	17.4	18.9	20.4	21.9	23.4	24.9	26.4	27.9	29.9	32.4	34.9	37.4	39.9	44.9	49.9	57.4	64.9	79.9
1.05	21	22	15.6	17.1	18.6	20.1	21.6	23.1	24.6	26.1	27.6	29.6	32.1	34.6	37.1	39.6	44.6	49.6	57.1	64.6	79.6
1.05	22	23	15.4	16.9	18.4	19.9	21.4	22.9	24.4	25.9	27.4	29.4	31.9	34.4	36.9	39.4	44.4	49.4	56.9	64.4	79.4
1.05	37	39	11.5	13.0	14.5	16.0	17.5	19.0	20.5	22.0	23.5	25.5	28.0	30.5	33.0	35.5	40.5	45.5	53.0	60.5	75.5
1.05	38	40	11.3	12.8	14.3	15.8	17.3	18.8	20.3	21.8	23.3	25.3	27.8	30.3	32.8	35.3	40.3	45.3	52.8	60.3	75.3
1.05	39	41	11.0	12.5	14.0	15.5	17.0	18.5	20.0	21.5	23.0	25.0	27.5	30.0	32.5	35.0	40.0	45.0	52.5	60.0	75.0
1.05	40	42	10.8	12.3	13.8	15.3	16.8	18.3	19.8	21.3	22.8	24.8	27.3	29.8	32.3	34.8	39.8	44.8	52.3	59.8	74.8
1.05	41	43	10.5	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.5	27.0	29.5	32.0	34.5	39.5	44.5	52.0	59.5	74.5
1.05	42	44	10.3	11.8	13.3	14.8	16.3	17.8	19.3	20.8	22.3	24.3	26.8	29.3	31.8	34.3	39.3	44.3	51.8	59.3	74.3
1.05	43	45	10.0	11.5	13.0	14.5	16.0	17.5	19.0	20.5	22.0	24.0	26.5	29.0	31.5	34.0	39.0	44.0	51.5	59.0	74.0
1.06	16	17	16.9	18.4	19.9	21.4	22.9	24.4	25.9	27.4	28.9	30.9	33.4	35.9	38.4	40.9	45.9	50.9	58.4	65.9	80.9
1.06	17	18	16.6	18.1	19.6	21.1	22.6	24.1	25.6	27.1	28.6	30.6	33.1	35.6	38.1	40.6	45.6	50.6	58.1	65.6	80.6
1.06	18	19	16.4	17.9	19.4	20.9	22.4	23.9	25.4	26.9	28.4	30.4	32.9	35.4	37.9	40.4	45.4	50.4	57.9	65.4	80.4
1.06	31	33	13.0	14.5	16.0	17.5	19.0	20.5	22.0	23.5	25.0	27.0	29.5	32.0	34.5	37.0	42.0	47.0	54.5	62.0	77.0
1.06	32	34	12.8	14.3	15.8	17.3	18.8	20.3	21.8	23.3	24.8	26.8	29.3	31.8	34.3	36.8	41.8	46.8	54.3	61.8	76.8
1.06	33	35	12.5	14.0	15.5	17.0	18.5	20.0	21.5	23.0	24.5	26.5	29.0	31.5	34.0	36.5	41.5	46.5	54.0	61.5	76.5
1.06	34	36	12.3	13.8	15.3	16.8	18.3	19.8	21.3	22.8	24.3	26.3	28.8	31.3	33.8	36.3	41.3	46.3	53.8	61.3	76.3

Center Distances shown are theoretical; manufacturing tolerances on belt lengths and pulley diameters can affect the actual center distance of a drive. Belt Numbers at the head of center distance columns indicate pitch length (multiplied by ten) and pitch. For example, a "450H" belt is 45 inches long and is for use with 1/2 inch pitch pulleys. This part number must be completed by adding the belt width, for example, adding 150 to this number (making the complete part number read "450H150") indicates that the belt is 1 1/2 inches wide.

When the center distance for a specific pulley and belt combination is followed by a number in a circle, the horsepower for one inch wide belt must be multiplied by factor at right:

Teeth in Mesh	Factor
⑤	.80
④	.60
③	.40

When the center distance is 8 or more times the diameter of the small pulley or when drive operates on vertical shafts, both pulleys should be flanged

Table No. 1

1/2″ Pitch Drive Table

Nominal Ratio	Pulley Combination				Available Belt Widths					Driven Speeds and Horsepower for 1″ Wide belt						Nominal Center Distances Using Browning® Gearbelt®					
	Driver		Driven							3500 RPM Motor		1750 RPM Motor		1160 RPM Motor							
	Number Grooves	Pitch Dia.	Number Grooves	Pitch Dia.	075	100	150	200	300	Driven Speed	HP for 1″ Belt	Driven Speed	HP for 1″ Belt	Driven Speed	HP for 1″ Belt	240 H	270 H	300 H	330 H	360 H	390 H
1.06	35	5.570	37	5.889	X	X	-	-	-	3302	18.54	1651	10.44	1094	7.06	—	—	—	7.5	9.0	10.5
1.06	36	5.730	38	6.048	X	X	-	-	-	3302	18.88	1651	10.71	1094	7.26	—	—	—	7.3	8.8	10.3
1.07	27	4.297	29	4.615	X	X	-	-	-	3271	15.27	1636	8.17	1084	5.48	5.0	6.5	8.0	9.5	11.0	12.5
1.07	28	4.456	30	4.775	X	X	X	X	X	3271	15.73	1636	8.46	1084	5.68	—	6.3	7.8	9.3	10.8	12.3
1.07	29	4.615	31	4.934	X	X	-	-	-	3271	16.17	1636	8.75	1084	5.88	—	6.0	7.5	9.0	10.5	12.0
1.07	30	4.775	32	5.093	X	X	X	X	X	3271	16.60	1636	9.03	1084	6.08	—	5.8	7.3	8.8	10.3	11.8
1.07	40	6.366	43	6.844	X	X	-	-	-	3271	20.10	1636	11.79	1084	8.03	—	—	—	—	7.6	9.1
1.07	41	6.525	44	7.003	X	X	-	-	-	3271	20.36	1636	12.06	1084	8.22	—	—	—	—	7.4	8.9
1.07	42	6.685	45	7.162	X	X	-	-	-	3271	—	1636	12.32	1084	8.42	—	—	—	—	—	—
1.07	45	7.162	48	7.639	X	X	-	-	-	3271	—	1636	13.09	1084	8.99	—	—	—	—	—	—
1.08	24	3.820	26	4.138	X	X	X	X	X	3241	13.84	1620	7.30	1074	4.88	5.8	7.3	8.8	10.3	11.8	13.3
1.08	25	3.979	27	4.297	X	X	-	-	-	3241	14.33	1620	7.59	1074	5.08	5.5	7.0	8.5	10.0	11.5	13.0
1.08	26	4.138	28	4.456	X	X	X	X	X	3241	14.81	1620	7.88	1074	5.28	5.3	6.8	8.3	9.8	11.3	12.8
1.08	36	5.730	39	6.207	X	X	-	-	-	3241	18.88	1620	10.71	1074	7.26	—	—	—	7.1	8.6	10.1
1.08	37	5.889	40	6.366	X	X	-	-	-	3241	19.21	1620	10.99	1074	7.45	—	—	—	6.9	8.4	9.9
1.08	38	6.048	41	6.525	X	X	-	-	-	3241	19.52	1620	11.26	1074	7.65	—	—	—	—	8.1	9.6
1.08	39	6.207	42	6.685	X	X	-	-	-	3241	19.82	1620	11.53	1074	7.84	—	—	—	—	7.9	9.4
1.09	22	3.501	24	3.820	X	X	X	X	X	3211	12.84	1606	6.71	1064	4.48	6.3	7.8	9.3	10.8	12.3	13.8
1.09	23	3.661	25	3.979	X	X	-	-	-	3211	13.35	1606	7.00	1064	4.68	6.0	7.5	9.0	10.5	12.0	13.5
1.09	32	5.093	35	5.570	X	X	-	-	-	3211	17.42	1606	9.60	1064	6.47	—	—	6.6	8.1	9.6	11.1
1.09	33	5.252	36	5.730	X	X	-	-	-	3211	17.80	1606	9.88	1064	6.67	—	—	6.4	7.9	9.4	10.9
1.09	34	5.411	37	5.889	X	X	-	-	-	3211	18.18	1606	10.16	1064	6.87	—	—	—	7.6	9.1	10.6
1.09	35	5.570	38	6.048	X	X	-	-	-	3211	18.54	1606	10.44	1064	7.06	—	—	—	7.4	8.9	10.4
1.09	44	7.003	48	7.639	X	X	X	X	X	3211	—	1606	12.84	1064	8.80	—	—	—	—	—	—
1.10	20	3.183	22	3.501	X	X	X	X	X	3182	11.79	1591	6.11	1055	4.08	6.8	8.3	9.8	11.3	12.8	14.3
1.10	21	3.342	23	3.661	X	X	-	-	-	3182	12.32	1591	6.41	1055	4.28	6.5	8.0	9.5	11.0	12.5	14.0
1.10	29	4.615	32	5.093	X	X	-	-	-	3182	16.17	1591	8.75	1055	5.88	—	5.9	7.4	8.9	10.4	11.9
1.10	30	4.775	33	5.252	X	X	-	-	-	3182	16.60	1591	9.03	1055	6.08	—	5.6	7.1	8.6	10.1	11.6
1.10	31	4.934	34	5.411	X	X	-	-	-	3182	17.01	1591	9.32	1055	6.28	—	—	6.9	8.4	9.9	11.4
1.10	39	6.207	43	6.844	X	X	-	-	-	3182	19.82	1591	11.53	1055	7.84	—	—	—	—	7.7	9.2
1.10	40	6.366	44	7.003	X	X	X	X	X	3182	20.10	1591	11.79	1055	8.03	—	—	—	—	7.5	9.0
1.10	41	6.525	45	7.162	X	X	-	-	-	3182	20.36	1591	12.06	1055	8.22	—	—	—	—	—	—
1.11	18	2.865	20	3.183	X	X	X	X	X	3153	*10.71	1577	5.51	1045	3.68	7.3	8.8	10.3	11.8	13.3	14.8
1.11	19	3.024	21	3.342	X	X	X	X	X	3153	*11.26	1577	5.81	1045	3.88	7.0	8.5	10.0	11.5	13.0	14.5
1.11	27	4.297	30	4.775	X	X	-	-	-	3153	15.27	1577	8.17	1045	5.48	—	6.4	7.9	9.4	10.9	12.4
1.11	28	4.456	31	4.934	X	X	-	-	-	3153	15.73	1577	8.46	1045	5.68	—	6.1	7.6	9.1	10.6	12.1
1.11	35	5.570	39	6.207	X	X	-	-	-	3153	18.54	1577	10.44	1045	7.06	—	—	—	7.2	8.7	10.2
1.11	36	5.730	40	6.366	X	X	X	X	X	3153	18.88	1577	10.71	1045	7.26	—	—	—	7.0	8.5	10.0
1.11	37	5.889	41	6.525	X	X	-	-	-	3153	19.21	1577	10.99	1045	7.45	—	—	—	6.7	8.2	9.7
1.11	38	6.048	42	6.685	X	X	-	-	-	3153	19.52	1577	11.26	1045	7.65	—	—	—	—	8.0	9.5
1.12	16	2.546	18	2.865	X	X	X	X	X	3125	*9.60	1562	*4.91	1036	3.27	7.8	9.3	10.8	12.3	13.8	15.3
1.12	17	2.706	19	3.024	X	X	X	X	X	3125	*10.16	1562	*5.21	1036	3.47	7.5	9.0	10.5	12.0	13.5	15.0
1.12	24	3.820	27	4.297	X	X	-	-	-	3125	13.84	1562	7.30	1036	4.88	5.6	7.1	8.6	10.1	11.6	13.1
1.12	25	3.979	28	4.456	X	X	-	-	-	3125	14.33	1562	7.59	1036	5.08	5.4	6.9	8.4	9.9	11.4	12.9
1.12	26	4.138	29	4.615	X	X	-	-	-	3125	14.81	1562	7.88	1036	5.28	5.1	6.6	8.1	9.6	11.1	12.6
1.12	32	5.093	36	5.730	X	X	X	X	X	3125	17.42	1562	9.60	1036	6.47	—	—	6.5	8.0	9.5	11.0
1.12	33	5.252	37	5.889	X	X	-	-	-	3125	17.80	1562	9.88	1036	6.67	—	—	6.2	7.7	9.2	10.7
1.12	34	5.411	38	6.048	X	X	-	-	-	3125	18.18	1562	10.16	1036	6.87	—	—	—	7.5	9.0	10.5
1.12	40	6.366	45	7.162	X	X	-	-	-	3125	20.10	1562	11.79	1036	8.03	—	—	—	—	7.4	8.9
1.12	43	6.844	48	7.639	X	X	-	-	-	3125	—	1562	12.58	1036	8.61	—	—	—	—	—	—
1.13	23	3.661	26	4.138	X	X	-	-	-	3097	13.35	1549	7.00	1027	4.68	5.9	7.4	8.9	10.4	11.9	13.4
1.13	30	4.775	34	5.411	X	X	-	-	-	3097	16.60	1549	9.03	1027	6.08	—	—	7.0	8.5	10.0	11.5
1.13	31	4.934	35	5.570	X	X	-	-	-	3097	17.01	1549	9.32	1027	6.28	—	—	6.7	8.2	9.7	11.2
1.13	38	6.048	43	6.844	X	X	-	-	-	3097	19.52	1549	11.26	1027	7.65	—	—	—	—	7.9	9.4
1.13	39	6.207	44	7.003	X	X	-	-	-	3097	19.82	1549	11.53	1027	7.84	—	—	—	—	7.6	9.1
1.14	14	2.228	16	2.546	X	X	X	X	-	3070	*8.46	1535	*4.31	1018	*2.86	8.3	9.8	11.3	12.8	14.3	15.8
1.14	21	3.342	24	3.820	X	X	X	X	X	3070	12.32	1535	6.41	1018	4.28	6.4	7.9	9.4	10.9	12.4	13.9
1.14	22	3.501	25	3.979	X	X	-	-	-	3070	12.84	1535	6.71	1018	4.48	6.1	7.6	9.1	10.6	12.1	13.6
1.14	28	4.456	32	5.093	X	X	X	X	X	3070	15.73	1535	8.46	1018	5.68	—	6.0	7.5	9.0	10.5	12.0
1.14	29	4.615	33	5.252	X	X	-	-	-	3070	16.17	1535	8.75	1018	5.88	—	5.7	7.2	8.7	10.2	11.7
1.14	35	5.570	40	6.366	X	X	-	-	-	3070	18.54	1535	10.44	1018	7.06	—	—	—	7.1	8.6	10.1
1.14	36	5.730	41	6.525	X	X	-	-	-	3070	18.88	1535	10.71	1018	7.26	—	—	—	6.9	8.4	9.9
1.14	37	5.889	42	6.685	X	X	-	-	-	3070	19.21	1535	10.99	1018	7.45	—	—	—	—	8.1	9.6
1.14	42	6.685	48	7.639	X	X	-	-	-	3070	—	1535	12.32	1018	8.42	—	—	—	—	—	—
1.15	20	3.183	23	3.661	X	X	-	-	-	3043	11.79	1522	6.11	1009	4.08	6.6	8.1	9.6	11.1	12.6	14.1
1.15	26	4.138	30	4.775	X	X	X	X	X	3043	14.81	1522	7.88	1009	5.28	5.0	6.5	8.0	9.5	11.0	12.5
1.15	27	4.297	31	4.934	X	X	-	-	-	3043	15.27	1522	8.17	1009	5.48	—	6.2	7.7	9.2	10.7	12.2
1.15	33	5.252	38	6.048	X	X	-	-	-	3043	17.80	1522	9.88	1009	6.67	—	—	—	7.6	9.1	10.6
1.15	34	5.411	39	6.207	X	X	-	-	-	3043	18.18	1522	10.16	1009	6.87	—	—	—	7.4	8.9	10.4
1.15	39	6.207	45	7.162	X	X	-	-	-	3043	19.82	1522	11.53	1009	7.84	—	—	—	—	7.5	9.0
1.16	19	3.024	22	3.501	X	X	X	X	X	3017	*11.26	1509	5.81	1000	3.88	6.9	8.4	9.9	11.4	12.9	14.4
1.16	25	3.979	29	4.615	X	X	-	-	-	3017	14.33	1509	7.59	1000	5.08	5.2	6.7	8.2	9.7	11.2	13.7

Horsepower Ratings shown in these tables are for a 1" wide belt. To find the belt width required, divide the **NORMAL RATING** (See Page E-21) of the drive by the Horsepower shown in the table above. The result is the "Effective Belt Width". Using this, or the next higher figure, determine the "Actual Belt Width" from the following table:

Effective Belt Width……..	**.42"**	**.57"**	**.71"**	**1.00"**	**1.29"**	**1.56"**	**2.14"**	**2.72"**	**3.36"**	**4.76"**	**6.15"**	**7.50"**	**10.32"**
Actual Belt Width…….....	1/2	5/8	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8

*This rating is for a pulley below the minimum recommended on page E-22 and, therefore, a reduction in belt life should be expected.

Table No. 1

1/2" Pitch Drive Table

Nominal Ratio	Pulley Combination Driver Number Grooves	Pulley Combination Driven Number Grooves	Nominal Center Distances using Browning® Gearbelt® 420 H	450 H	480 H	510 H	540 H	570 H	600 H	630 H	660 H	700 H	750 H	800 H	850 H	900 H	1000 H	1100 H	1250 H	1400 H	1700 H
1.06	35	37	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	26.0	28.5	31.0	33.5	36.0	41.0	46.0	53.5	61.0	76.0
1.06	36	38	11.8	13.3	14.8	16.3	17.8	19.3	20.8	22.3	23.8	25.8	28.3	30.8	33.3	35.8	40.8	45.8	53.3	60.8	75.8
1.07	27	29	14.0	15.5	17.0	18.5	20.0	21.5	23.0	24.5	26.0	28.0	30.5	33.0	35.5	38.0	43.0	48.0	55.5	63.0	78.0
1.07	28	30	13.8	15.3	16.8	18.3	19.8	21.3	22.8	24.3	25.8	27.8	30.3	32.8	35.3	37.8	42.8	47.8	55.3	62.8	77.8
1.07	29	31	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.5	30.0	32.5	35.0	37.5	42.5	47.5	55.0	62.5	77.5
1.07	30	32	13.3	14.8	16.3	17.8	19.3	20.8	22.3	23.8	25.3	27.3	29.8	32.3	34.8	37.3	42.3	47.3	54.8	62.3	77.3
1.07	40	43	10.6	12.1	13.6	15.1	16.6	18.1	19.6	21.1	22.6	24.6	27.1	29.6	32.1	34.6	39.6	44.6	52.1	59.6	74.6
1.07	41	44	10.4	11.9	13.4	14.9	16.4	17.9	19.4	20.9	22.4	24.4	26.9	29.4	31.9	34.4	39.4	44.4	51.9	59.4	74.4
1.07	42	45	10.1	11.6	13.1	14.6	16.1	17.6	19.1	20.6	22.1	24.1	26.6	29.1	31.6	34.1	39.1	44.1	51.6	59.1	74.1
1.07	45	48	9.4	10.9	12.4	13.9	15.4	16.9	18.4	19.9	21.4	23.4	25.9	28.4	30.9	33.4	38.4	43.4	50.9	58.4	73.4
1.08	24	26	14.8	16.3	17.8	19.3	20.8	22.3	23.8	25.3	26.8	28.8	31.3	33.8	36.3	38.8	43.8	48.8	56.3	63.8	78.8
1.08	25	27	14.5	16.0	17.5	19.0	20.5	22.0	23.5	25.0	26.5	28.5	31.0	33.5	36.0	38.5	43.5	48.5	56.0	63.5	78.5
1.08	26	28	14.3	15.8	17.3	18.8	20.3	21.8	23.3	24.8	26.3	28.3	30.8	33.3	35.8	38.3	43.3	48.3	55.8	63.3	78.3
1.08	36	39	11.6	13.1	14.6	16.1	17.6	19.1	20.6	22.1	23.6	25.6	28.1	30.6	33.1	35.6	40.6	45.6	53.1	60.6	75.6
1.08	37	40	11.4	12.9	14.4	15.9	17.4	18.9	20.4	21.9	23.4	25.4	27.9	30.4	32.9	35.4	40.4	45.4	52.9	60.4	75.4
1.08	38	41	11.1	12.6	14.1	15.6	17.1	18.6	20.1	21.6	23.1	25.1	27.6	30.1	32.6	35.1	40.1	45.1	52.6	60.1	75.1
1.08	39	42	10.9	12.4	13.9	15.4	16.9	18.4	19.9	21.4	22.9	24.9	27.4	29.9	32.4	34.9	39.9	44.9	52.4	59.9	74.9
1.09	22	24	15.3	16.8	18.3	19.8	21.3	22.8	24.3	25.8	27.3	29.3	31.8	34.3	36.8	39.3	44.3	49.3	56.8	64.3	79.3
1.09	23	25	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.0	29.0	31.5	34.0	36.5	39.0	44.0	49.0	56.5	64.0	79.0
1.09	32	35	12.6	14.1	15.6	17.1	18.6	20.1	21.6	23.1	24.6	26.6	29.1	31.6	34.1	36.6	41.6	46.6	54.1	61.6	76.6
1.09	33	36	12.4	13.9	15.4	16.9	18.4	19.9	21.4	22.9	24.4	26.4	28.9	31.4	33.9	36.4	41.4	46.4	53.9	61.4	76.4
1.09	34	37	12.1	13.6	15.1	16.6	18.1	19.6	21.1	22.6	24.1	26.1	28.6	31.1	33.6	36.1	41.1	46.1	53.6	61.1	76.1
1.09	35	38	11.9	13.4	14.9	16.4	17.9	19.4	20.9	22.4	23.9	25.9	28.4	30.9	33.4	35.9	40.9	45.9	53.4	60.9	75.9
1.09	44	48	9.5	11.0	12.5	14.0	15.5	17.0	18.5	20.0	21.5	23.5	26.0	28.5	31.0	33.5	38.5	43.5	51.0	58.5	73.5
1.10	20	22	15.8	17.3	18.8	20.3	21.8	23.3	24.8	26.3	27.8	29.8	32.3	34.8	37.3	39.8	44.8	49.8	57.3	64.8	79.8
1.10	21	23	15.5	17.0	18.5	20.0	21.5	23.0	24.5	26.0	27.5	29.5	32.0	34.5	37.0	39.5	44.5	49.5	57.0	64.5	79.5
1.10	29	32	13.4	14.9	16.4	17.9	19.4	20.9	22.4	23.9	25.4	27.4	29.9	32.4	34.9	37.4	42.4	47.4	54.9	62.4	77.4
1.10	30	33	13.1	14.6	16.1	17.6	19.1	20.6	22.1	23.6	25.1	27.1	29.6	32.1	34.6	37.1	42.1	47.1	54.6	62.1	77.1
1.10	31	34	12.9	14.4	15.9	17.4	18.9	20.4	21.9	23.4	24.9	26.9	29.4	31.9	34.4	36.9	41.9	46.9	54.4	61.9	76.9
1.10	39	43	10.8	12.3	13.8	15.3	16.8	18.3	19.8	21.3	22.8	24.8	27.3	29.8	32.3	34.8	39.8	44.8	52.3	59.8	74.8
1.10	40	44	10.5	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.5	27.0	29.5	32.0	34.5	39.5	44.5	52.0	59.5	74.5
1.10	41	45	10.3	11.8	13.3	14.8	16.3	17.8	19.3	20.8	22.3	24.3	26.8	29.3	31.8	34.3	39.3	44.3	51.8	59.3	74.3
1.11	18	20	16.3	17.8	19.3	20.8	22.3	23.8	25.3	26.8	28.3	30.3	32.8	35.3	37.8	40.3	45.3	50.3	57.8	65.3	80.3
1.11	19	21	16.0	17.5	19.0	20.5	22.0	23.5	25.0	26.5	28.0	30.0	32.5	35.0	37.5	40.0	45.0	50.0	57.5	65.0	80.0
1.11	27	30	13.9	15.4	16.9	18.4	19.9	21.4	22.9	24.4	25.9	27.9	30.4	32.9	35.4	37.9	42.9	47.9	55.4	62.9	77.9
1.11	28	31	13.6	15.1	16.6	18.1	19.6	21.1	22.6	24.1	25.6	27.6	30.1	32.6	35.1	37.6	42.6	47.6	55.1	62.6	77.6
1.11	35	39	11.8	13.3	14.8	16.3	17.8	19.3	20.8	22.3	23.8	25.8	28.3	30.8	33.3	35.8	40.8	45.8	53.3	60.8	75.8
1.11	36	40	11.5	13.0	14.5	16.0	17.5	19.0	20.5	22.0	23.5	25.5	28.0	30.5	33.0	35.5	40.5	45.5	53.0	60.5	75.5
1.11	37	41	11.3	12.8	14.3	15.8	17.3	18.8	20.3	21.8	23.3	25.3	27.8	30.3	32.8	35.3	40.3	45.3	52.8	60.3	75.3
1.11	38	42	11.0	12.5	14.0	15.5	17.0	18.5	20.0	21.5	23.0	25.0	27.5	30.0	32.5	35.0	40.0	45.0	52.5	60.0	75.0
1.12	16	18	16.8	18.3	19.8	21.3	22.8	24.3	25.8	27.3	28.8	30.8	33.3	35.8	38.3	40.8	45.8	50.8	58.3	65.8	80.8
1.12	17	19	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.0	28.5	30.5	33.0	35.5	38.0	40.5	45.5	50.5	58.0	65.5	80.5
1.12	24	27	14.6	16.1	17.6	19.1	20.6	22.1	23.6	25.1	26.6	28.6	31.1	33.6	36.1	38.6	43.6	48.6	56.1	63.6	78.6
1.12	25	28	14.4	15.9	17.4	18.9	20.4	21.9	23.4	24.9	26.4	28.4	30.9	33.4	35.9	38.4	43.4	48.4	55.9	63.4	78.4
1.12	26	29	14.1	15.6	17.1	18.6	20.1	21.6	23.1	24.6	26.1	28.1	30.6	33.1	35.6	38.1	43.1	48.1	55.6	63.1	78.1
1.12	32	36	12.5	14.0	15.5	17.0	18.5	20.0	21.5	23.0	24.5	26.5	29.0	31.5	34.0	36.5	41.5	46.5	54.0	61.5	76.5
1.12	33	37	12.3	13.8	15.3	16.8	18.3	19.8	21.3	22.8	24.3	26.3	28.8	31.3	33.8	36.3	41.3	46.3	53.8	61.3	76.3
1.12	34	38	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	26.0	28.5	31.0	33.5	36.0	41.0	46.0	53.5	61.0	76.0
1.12	40	45	10.4	11.9	13.4	14.9	16.4	17.9	19.4	20.9	22.4	24.4	26.9	29.4	31.9	34.4	39.4	44.4	51.9	59.4	74.4
1.12	43	48	9.6	11.1	12.6	14.1	15.6	17.1	18.6	20.1	21.6	23.6	26.1	28.6	31.1	33.6	38.6	43.6	51.1	58.6	73.6
1.13	23	26	14.9	16.4	17.9	19.4	20.9	22.4	23.9	25.4	26.9	28.9	31.4	33.9	36.4	38.9	43.9	48.9	56.4	63.9	78.9
1.13	30	34	13.0	14.5	16.0	17.5	19.0	20.5	22.0	23.5	25.0	27.0	29.5	32.0	34.5	37.0	42.0	47.0	54.5	62.0	77.0
1.13	31	35	12.8	14.3	15.8	17.3	18.8	20.3	21.8	23.3	24.8	26.8	29.3	31.8	34.3	36.8	41.8	46.8	54.3	61.8	76.8
1.13	38	43	10.9	12.4	13.9	15.4	16.9	18.4	19.9	21.4	22.9	24.9	27.4	29.9	32.4	34.9	39.9	44.9	52.4	59.9	74.9
1.13	39	44	10.6	12.1	13.6	15.1	16.6	18.1	19.6	21.1	22.6	24.6	27.1	29.6	32.1	34.6	39.6	44.6	52.1	59.6	74.6
1.14	14	16	17.3	18.8	20.3	21.8	23.3	24.8	26.3	27.8	29.3	31.3	33.8	36.3	38.8	41.3	46.3	51.3	58.8	66.3	81.3
1.14	21	24	15.4	16.9	18.4	19.9	21.4	22.9	24.4	25.9	27.4	29.4	31.9	34.4	36.9	39.4	44.4	49.4	56.9	64.4	79.4
1.14	22	25	15.1	16.6	18.1	19.6	21.1	22.6	24.1	25.6	27.1	29.1	31.6	34.1	36.6	39.1	44.1	49.1	56.6	64.1	79.1
1.14	28	32	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.5	30.0	32.5	35.0	37.5	42.5	47.5	55.0	62.5	77.5
1.14	29	33	13.3	14.8	16.3	17.8	19.3	20.8	22.3	23.8	25.3	27.3	29.8	32.3	34.8	37.3	42.3	47.3	54.8	62.3	77.3
1.14	35	40	11.6	13.1	14.6	16.1	17.6	19.1	20.6	22.1	23.6	25.6	28.1	30.6	33.1	35.6	40.6	45.6	53.1	60.6	75.6
1.14	36	41	11.4	12.9	14.4	15.9	17.4	18.9	20.4	21.9	23.4	25.4	27.9	30.4	32.9	35.4	40.4	45.4	52.9	60.4	75.4
1.14	37	42	11.1	12.6	14.1	15.6	17.1	18.6	20.1	21.6	23.1	25.1	27.6	30.1	32.6	35.1	40.1	45.1	52.6	60.1	75.1
1.14	42	48	9.7	11.2	12.7	14.2	15.7	17.2	18.7	20.3	21.8	23.8	26.3	28.8	31.3	33.8	38.8	43.8	51.3	58.8	73.8
1.15	20	23	15.6	17.1	18.6	20.1	21.6	23.1	24.6	26.1	27.6	29.6	32.1	34.6	37.1	39.6	44.6	49.6	57.1	64.6	79.6
1.15	26	30	14.0	15.5	17.0	18.5	20.0	21.5	23.0	24.5	26.0	28.0	30.5	33.0	35.5	38.0	43.0	48.0	55.5	63.0	78.0
1.15	27	31	13.7	15.3	16.8	18.3	19.8	21.3	22.8	24.3	25.8	27.8	30.3	32.8	35.3	37.8	42.8	47.8	55.3	62.8	77.8
1.15	33	38	12.1	13.6	15.1	16.6	18.1	19.6	21.1	22.6	24.1	26.1	28.6	31.1	33.6	36.1	41.1	46.1	53.6	61.1	76.1
1.15	34	39	11.9	13.4	14.9	16.4	17.9	19.4	20.9	22.4	23.9	25.9	28.4	30.9	33.4	35.9	40.9	45.9	53.4	60.9	75.9
1.15	39	45	10.5	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.5	27.0	29.5	32.0	34.5	39.5	44.5	52.0	59.5	74.5
1.16	19	22	15.9	17.4	18.9	20.4	21.9	23.4	24.9	26.4	27.9	29.9	32.4	34.9	37.4	39.9	44.9	49.9	57.4	64.9	79.9
1.16	25	29	14.2	15.8	17.3	18.8	20.3	21.8	23.3	24.8	26.3	28.3	30.8	33.3	35.8	38.3	43.3	48.3	55.8	63.3	78.3

Center Distances shown are theoretical; manufacturing tolerances on belt lengths and pulley diameters can affect the actual center distance of a drive. Belt Numbers at the head of center distance columns indicate pitch length (multiplied by ten) and pitch. For example, a "450H" belt is 45 inches long and is for use with 1/2 inch pitch pulleys. This part number must be completed by adding the belt width, for example, adding 150 to this number (making the complete part number read "450H150") indicates that the belt is 1 1/2 inches wide.

When the center distance is 8 or more times the diameter of the small pulley or when drive operates on vertical shafts, both pulleys should be flanged.

Table No. 1

1/2″ Pitch Drive Table

Pulley Combination					Avail-able Belt Widths					Driven Speeds and Horsepower for 1" Wide belt						Nominal Center Distances Using Browning® Gearbelt®					
	Driver		Driven							3500 RPM Motor		1750 RPM Motor		1160 RPM Motor							
Nominal Ratio	Number Grooves	Pitch Dia.	Number Grooves	Pitch Dia.	075	100	150	200	300	Driven Speed	HP for 1" Belt	Driven Speed	HP for 1" Belt	Driven Speed	HP for 1" Belt	240 H	270 H	300 H	330 H	360 H	390 H
1.16	31	4.934	36	5.730	X	X	-	-	-	3017	17.01	1509	9.32	1000	6.28	—	—	6.6	8.1	9.6	11.1
1.16	32	5.093	37	5.889	X	X	-	-	-	3017	17.42	1509	9.60	1000	6.47	—	—	6.4	7.9	9.4	10.9
1.16	37	5.889	43	6.844	X	X	-	-	-	3017	19.21	1509	10.99	1000	7.45	—	—	—	—	8.0	9.5
1.16	38	6.048	44	7.003	X	X	-	-	-	3017	19.52	1509	11.26	1000	7.65	—	—	—	—	7.7	9.2
1.17	18	2.865	21	3.342	X	X	X	X	X	2991	*10.71	1496	5.51	991	3.68	7.1	8.6	10.1	11.6	13.1	14.6
1.17	23	3.661	27	4.297	X	X	-	-	-	2991	13.35	1496	7.00	991	4.68	5.7	7.2	8.7	10.2	11.7	13.2
1.17	24	3.820	28	4.456	X	X	X	X	X	2991	13.84	1496	7.30	991	4.88	5.5	7.0	8.5	10.0	11.5	13.0
1.17	29	4.615	34	5.411	X	X	-	-	-	2991	16.17	1496	8.75	991	5.88	—	5.6	7.1	8.6	10.1	12.6
1.17	30	4.775	35	5.570	X	X	-	-	-	2991	16.60	1496	9.03	991	6.08	—	—	6.9	8.4	9.9	11.4
1.17	35	5.570	41	6.525	X	X	-	-	-	2991	18.54	1496	10.44	991	7.06	—	—	—	7.0	8.5	10.0
1.17	36	5.730	42	6.685	X	X	-	-	-	2991	18.88	1496	10.71	991	7.26	—	—	—	6.7	8.2	9.7
1.17	41	6.525	48	7.639	X	X	-	-	-	2991	20.36	1496	12.06	991	8.22	—	—	—	—	—	—
1.18	17	2.706	20	3.183	X	X	X	X	X	2966	*10.16	1483	*5.21	983	3.47	7.4	8.9	10.4	11.9	13.4	14.9
1.18	22	3.501	26	4.138	X	X	X	X	X	2966	12.84	1483	6.71	983	4.48	6.0	7.5	9.0	10.5	12.0	13.5
1.18	28	4.456	33	5.252	X	X	-	-	-	2966	15.73	1483	8.46	983	5.68	—	5.9	7.4	8.9	10.4	11.9
1.18	33	5.252	39	6.207	X	X	-	-	-	2966	17.80	1483	9.88	983	6.67	—	—	—	7.5	9.0	10.5
1.18	34	5.411	40	6.366	X	X	-	-	-	2966	18.18	1483	10.16	983	6.87	—	—	—	7.2	8.7	10.2
1.18	38	6.048	45	7.162	X	X	-	-	-	2966	19.52	1483	11.26	983	7.65	—	—	—	—	7.6	9.1
1.19	16	2.546	19	3.024	X	X	X	X	X	2941	*9.60	1471	*4.91	975	3.27	7.6	9.1	10.6	12.1	13.6	15.1
1.19	21	3.342	25	3.979	X	X	-	-	-	2941	12.32	1471	6.41	975	4.28	6.2	7.7	9.2	10.7	12.2	13.7
1.19	26	4.138	31	4.934	X	X	-	-	-	2941	14.81	1471	7.88	975	5.28	—	6.4	7.9	9.4	10.9	12.4
1.19	27	4.297	32	5.093	X	X	-	-	-	2941	15.27	1471	8.17	975	5.48	—	6.1	7.6	9.1	10.6	12.1
1.19	31	4.934	37	5.889	X	X	-	-	-	2941	17.01	1471	9.32	975	6.28	—	—	6.5	8.0	9.5	11.0
1.19	32	5.093	38	6.048	X	X	-	-	-	2941	17.42	1471	9.60	975	6.47	—	—	6.2	7.7	9.2	10.7
1.19	36	5.730	43	6.844	X	X	-	-	-	2941	18.88	1471	10.71	975	7.26	—	—	—	—	8.1	9.6
1.19	37	5.889	44	7.003	X	X	-	-	-	2941	19.21	1471	10.99	975	7.45	—	—	—	—	7.9	9.4
1.20	20	3.183	24	3.820	X	X	X	X	X	2917	11.79	1458	6.11	967	4.08	6.5	8.0	9.5	11.0	12.5	13.0
1.20	25	3.979	30	4.775	X	X	-	-	-	2917	14.33	1458	7.59	967	5.08	5.1	6.6	8.1	9.6	11.1	12.6
1.20	30	4.775	36	5.730	X	X	X	X	X	2917	16.60	1458	9.03	967	6.08	—	—	6.7	8.2	9.7	11.2
1.20	35	5.570	42	6.685	X	X	-	-	-	2917	18.54	1458	10.44	967	7.06	—	—	—	6.9	8.4	9.9
1.20	40	6.366	48	7.639	X	X	X	X	X	2917	20.10	1458	11.79	967	8.03	—	—	—	—	—	—
1.21	14	2.228	17	2.706	X	X	X	X	-	2893	*8.46	1446	*4.31	959	*2.86	8.1	9.6	11.1	12.6	14.1	15.6
1.21	19	3.024	23	3.661	X	X	-	-	-	2893	*11.26	1446	5.81	959	3.88	6.7	8.2	9.7	11.2	12.7	14.2
1.21	24	3.820	29	4.615	X	X	-	-	-	2893	13.84	1446	7.30	959	4.88	5.4	6.9	8.4	9.9	11.4	12.9
1.21	28	4.456	34	5.411	X	X	-	-	-	2893	15.73	1446	8.46	959	5.68	—	5.7	7.2	8.7	10.2	11.7
1.21	29	4.615	35	5.570	X	X	-	-	-	2893	16.17	1446	8.75	959	5.88	—	—	7.0	8.5	10.0	11.5
1.21	33	5.252	40	6.366	X	X	-	-	-	2893	17.80	1446	9.88	959	6.67	—	—	—	7.4	8.9	10.4
1.21	34	5.411	41	6.525	X	X	-	-	-	2893	18.18	1446	10.16	959	6.87	—	—	—	7.1	8.6	10.1
1.22	18	2.865	22	3.501	X	X	X	X	X	2869	*10.71	1434	5.51	951	3.68	7.0	8.5	10.0	11.5	13.0	14.5
1.22	23	3.661	28	4.456	X	X	-	-	-	2869	13.35	1434	7.00	951	4.68	5.6	7.1	8.6	10.1	11.6	13.1
1.22	27	4.297	33	5.252	X	X	-	-	-	2869	15.27	1434	8.17	951	5.48	—	6.0	7.5	9.0	10.5	12.0
1.22	32	5.093	39	6.207	X	X	-	-	-	2869	17.42	1434	9.60	951	6.47	—	—	—	7.6	9.1	10.6
1.22	36	5.730	44	7.003	X	X	X	X	X	2869	18.88	1434	10.71	951	7.26	—	—	—	—	8.0	9.5
1.22	37	5.889	45	7.162	X	X	-	-	-	2869	19.21	1434	10.99	951	7.45	—	—	—	—	7.7	9.2
1.23	22	3.501	27	4.297	X	X	-	-	-	2846	12.84	1423	6.71	943	4.48	5.9	7.4	8.9	10.4	11.9	13.4
1.23	26	4.138	32	5.093	X	X	X	X	X	2846	14.81	1423	7.88	943	5.28	—	6.2	7.7	9.2	10.7	12.2
1.23	30	4.775	37	5.889	X	X	-	-	-	2846	16.60	1423	9.03	943	6.08	—	—	6.6	8.1	9.6	11.1
1.23	31	4.934	38	6.048	X	X	-	-	-	2846	17.01	1423	9.32	943	6.28	—	—	6.4	7.9	9.4	10.9
1.23	35	5.570	43	6.844	X	X	-	-	-	2846	18.54	1423	10.44	943	7.06	—	—	—	6.7	8.2	9.7
1.23	39	6.207	48	7.639	X	X	-	-	-	2846	19.82	1423	11.53	943	7.84	—	—	—	—	—	—
1.24	17	2.706	21	3.342	X	X	X	X	X	2823	*10.16	1411	*5.21	935	3.47	7.2	8.7	10.2	11.7	13.2	14.7
1.24	21	3.342	26	4.138	X	X	X	X	X	2823	12.32	1411	6.41	935	4.28	6.1	7.6	9.1	10.6	12.1	13.6
1.24	25	3.979	31	4.934	X	X	-	-	-	2823	14.33	1411	7.59	935	5.08	5.0	6.5	8.0	9.5	11.0	12.5
1.24	29	4.615	36	5.730	X	X	-	-	-	2823	16.17	1411	8.75	935	5.88	—	—	6.9	8.4	9.9	11.4
1.24	33	5.252	41	6.525	X	X	-	-	-	2823	17.80	1411	9.88	935	6.67	—	—	—	7.2	8.7	10.2
1.24	34	5.411	42	6.685	X	X	-	-	-	2823	18.18	1411	10.16	935	6.87	—	—	—	7.0	8.5	10.0
1.25	16	2.546	20	3.183	X	X	X	X	X	2800	*9.60	1400	*4.91	928	3.27	7.5	9.0	10.5	12.0	13.5	15.0
1.25	20	3.183	25	3.979	X	X	-	-	-	2800	11.79	1400	6.11	928	4.08	6.4	7.9	9.4	10.9	12.4	13.9
1.25	24	3.820	30	4.775	X	X	X	X	X	2800	13.84	1400	7.30	928	4.88	5.2	6.7	8.2	9.7	11.2	12.7
1.25	28	4.456	35	5.570	X	X	-	-	-	2800	15.73	1400	8.46	928	5.68	—	5.6	7.1	8.6	10.1	11.6
1.25	32	5.093	40	6.366	X	X	X	X	X	2800	17.42	1400	9.60	928	6.47	—	—	—	7.5	9.0	10.5
1.25	36	5.730	45	7.162	X	X	-	-	-	2800	18.88	1400	10.71	928	7.26	—	—	—	—	7.8	9.3
1.25	48	7.639	60	9.549	X	X	X	X	X	2800	—	1400	13.84	928	9.55	—	—	—	—	—	—
1.26	19	3.024	24	3.820	X	X	X	X	X	2778	*11.26	1389	5.81	921	3.88	6.6	8.1	9.6	11.1	12.6	14.1
1.26	23	3.661	29	4.615	X	X	-	-	-	2778	13.35	1389	7.00	921	4.68	5.5	7.0	8.5	10.0	11.5	13.0
1.26	27	4.297	34	5.411	X	X	-	-	-	2778	15.27	1389	8.17	921	5.48	—	5.9	7.4	8.9	10.4	11.9
1.26	31	4.934	39	6.207	X	X	-	-	-	2778	17.01	1389	9.32	921	6.28	—	—	6.2	7.7	9.2	10.7
1.26	34	5.411	43	6.844	X	X	-	-	-	2778	18.18	1389	10.16	921	6.87	—	—	—	6.8	8.3	9.8
1.26	35	5.570	44	7.003	X	X	-	-	-	2778	18.54	1389	10.44	921	7.06	—	—	—	—	8.1	9.6
1.26	38	6.048	48	7.639	X	X	-	-	-	2778	19.52	1389	11.26	921	7.65	—	—	—	—	—	—
1.27	22	3.501	28	4.456	X	X	X	X	X	2756	12.84	1378	6.71	913	4.48	5.7	7.2	8.7	10.2	11.7	13.2
1.27	26	4.138	33	5.252	X	X	-	-	-	2756	14.81	1378	7.88	913	5.28	—	6.1	7.6	9.1	10.6	12.1

Horsepower Ratings shown in these tables are for a 1" wide belt. To find the belt width required, divide the **NORMAL RATING** (See Page E-21) of the drive by the Horsepower shown in the table above. The result is the "Effective Belt Width". Using this, or the next higher figure, determine the "Actual Belt Width" from the following table:

Effective Belt Width……..	**.42"**	**.57"**	**.71"**	**1.00"**	**1.29"**	**1.56"**	**2.14"**	**2.72"**	**3.36"**	**4.76"**	**6.15"**	**7.50"**	**10.32"**
Actual Belt Width……..	1/2	5/8	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8

*This rating is for a pulley below the minimum recommended on page E-22 and, therefore, a reduction in belt life should be expected.

Table No. 1

1/2" Pitch Drive Table

Nominal Ratio	Pulley Combination Driver Number Grooves	Pulley Combination Driven Number Grooves	Nominal Center Distances using Browning® Gearbelt® 420 H	450 H	480 H	510 H	540 H	570 H	600 H	630 H	660 H	700 H	750 H	800 H	850 H	900 H	1000 H	1100 H	1250 H	1400 H	1700 H
1.16	31	36	12.6	14.1	15.6	17.1	18.6	20.1	21.6	23.1	24.6	26.6	29.1	31.6	34.1	36.6	41.6	46.6	54.1	61.6	76.6
1.16	32	37	12.4	13.9	15.4	16.9	18.4	19.9	21.4	22.9	24.4	26.4	28.9	31.4	33.9	36.4	41.4	46.4	53.9	61.4	76.4
1.16	37	43	11.0	12.5	14.0	15.5	17.0	18.5	20.0	21.5	23.0	25.0	27.5	30.0	32.5	35.0	40.0	45.0	52.5	60.0	75.0
1.16	38	44	10.7	12.2	13.7	15.2	16.7	18.2	19.7	21.2	22.8	24.8	27.3	29.8	32.3	34.8	39.8	44.8	52.3	59.8	74.8
1.17	18	21	16.1	17.6	19.1	20.6	22.1	23.6	25.1	26.6	28.1	30.1	32.6	35.1	37.6	40.1	45.1	50.1	57.6	65.1	80.1
1.17	23	27	14.7	16.3	17.8	19.3	20.8	22.3	23.8	25.3	26.8	28.8	31.3	33.8	36.3	38.8	43.8	48.8	56.3	63.8	78.8
1.17	24	28	14.5	16.0	17.5	19.0	20.5	22.0	23.5	25.0	26.5	28.5	31.0	33.5	36.0	38.5	43.5	48.5	56.0	63.5	78.5
1.17	29	34	13.1	14.6	16.1	17.6	19.1	20.6	22.1	23.6	25.1	27.1	29.6	32.1	34.6	37.1	42.1	47.1	54.6	62.1	77.1
1.17	30	35	12.9	14.4	15.9	17.4	18.9	20.4	21.9	23.4	24.9	26.9	29.4	31.9	34.4	36.9	41.9	46.9	54.4	61.9	76.9
1.17	35	41	11.5	13.0	14.5	16.0	17.5	19.0	20.5	22.0	23.5	25.5	28.0	30.5	33.0	35.5	40.5	45.5	53.0	60.5	75.5
1.17	36	42	11.2	12.7	14.2	15.7	17.2	18.7	20.2	21.7	23.3	25.3	27.8	30.3	32.8	35.3	40.3	45.3	52.8	60.3	75.3
1.17	41	48	9.9	11.4	12.9	14.4	15.9	17.4	18.9	20.4	21.9	23.9	26.4	28.9	31.4	33.9	38.9	43.9	51.4	58.9	73.9
1.18	17	20	16.4	17.9	19.4	20.9	22.4	23.9	25.4	26.9	28.4	30.4	32.9	35.4	37.9	40.4	45.4	50.4	57.9	65.4	80.4
1.18	22	26	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.0	29.0	31.5	34.0	36.5	39.0	44.0	49.0	56.5	64.0	79.0
1.18	28	33	13.4	14.9	16.4	17.9	19.4	20.9	22.4	23.9	25.4	27.4	29.9	32.4	34.9	37.4	42.4	47.4	54.9	62.4	77.4
1.18	33	39	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	26.0	28.5	31.0	33.5	36.0	41.0	46.0	53.5	61.0	76.0
1.18	34	40	11.7	13.2	14.7	16.2	17.7	19.2	20.7	22.2	23.7	25.8	28.3	30.8	33.3	35.8	40.8	45.8	53.3	60.8	75.8
1.18	38	45	10.6	12.1	13.6	15.1	16.6	18.1	19.6	21.1	22.6	24.6	27.1	29.6	32.1	34.6	39.6	44.6	52.1	59.6	74.6
1.19	16	19	16.6	18.1	19.6	21.1	22.6	24.1	25.6	27.1	28.6	30.6	33.1	35.6	38.1	40.6	45.6	50.6	58.1	65.6	80.6
1.19	21	25	15.2	16.7	18.3	19.8	21.3	22.8	24.3	25.8	27.3	29.3	31.8	34.3	36.8	39.3	44.3	49.3	56.8	64.3	79.3
1.19	26	31	13.9	15.4	16.9	18.4	19.9	21.4	22.9	24.4	25.9	27.9	30.4	32.9	35.4	37.9	42.9	47.9	55.4	62.9	77.9
1.19	27	32	13.6	15.1	16.6	18.1	19.6	21.1	22.6	24.1	25.6	27.6	30.1	32.6	35.1	37.6	42.6	47.6	55.1	62.6	77.6
1.19	31	37	12.5	14.0	15.5	17.0	18.5	20.0	21.5	23.0	24.5	26.5	29.0	31.5	34.0	36.5	41.5	46.5	54.0	61.5	76.5
1.19	32	38	12.2	13.7	15.2	16.7	18.2	19.7	21.2	22.7	24.2	26.3	28.8	31.3	33.8	36.3	41.3	46.3	53.8	61.3	76.3
1.19	36	43	11.1	12.6	14.1	15.6	17.1	18.6	20.1	21.6	23.1	25.1	27.6	30.1	32.6	35.1	40.1	45.1	52.6	60.1	75.1
1.19	37	44	10.9	12.4	13.9	15.4	16.9	18.4	19.9	21.4	22.9	24.9	27.4	29.9	32.4	34.9	39.9	44.9	52.4	59.9	74.9
1.20	20	24	15.5	17.0	18.5	20.0	21.5	23.0	24.5	26.0	27.5	29.5	32.0	34.5	37.0	39.5	44.5	49.5	57.0	64.5	79.5
1.20	25	30	14.1	15.6	17.1	18.6	20.1	21.6	23.1	24.6	26.1	28.1	30.6	33.1	35.6	38.1	43.1	48.1	55.6	63.1	78.1
1.20	30	36	12.7	14.2	15.7	17.2	18.7	20.2	21.7	23.2	24.7	26.7	29.3	31.8	34.3	36.8	41.8	46.8	54.3	61.8	76.8
1.20	35	42	11.4	12.9	14.4	15.9	17.4	18.9	20.4	21.9	23.4	25.4	27.9	30.4	32.9	35.4	40.4	45.4	52.9	60.4	75.4
1.20	40	48	10.0	11.5	13.0	14.5	16.0	17.5	19.0	20.5	22.0	24.0	26.5	29.0	31.5	34.0	39.0	44.0	51.5	59.0	74.0
1.21	14	17	17.1	18.6	20.1	21.6	23.1	24.6	26.1	27.6	29.1	31.1	33.6	36.1	38.6	41.1	46.1	51.1	58.6	66.1	81.1
1.21	19	23	15.7	17.2	18.7	20.3	21.8	23.3	24.8	26.3	27.8	29.8	32.3	34.8	37.3	39.8	44.8	49.8	57.3	64.8	79.8
1.21	24	29	14.4	15.9	17.4	18.9	20.4	21.9	23.4	24.9	26.4	28.4	30.9	33.4	35.9	38.4	43.4	48.4	55.9	63.4	78.4
1.21	28	34	13.2	14.7	16.2	17.7	19.2	20.7	22.2	23.7	25.2	27.2	29.8	32.3	34.8	37.3	42.3	47.3	54.8	62.3	77.3
1.21	29	35	13.0	14.5	16.0	17.5	19.0	20.5	22.0	23.5	25.0	27.0	29.5	32.0	34.5	37.0	42.0	47.0	54.5	62.0	77.0
1.21	33	40	11.9	13.4	14.9	16.4	17.9	19.4	20.9	22.4	23.9	25.9	28.4	30.9	33.4	35.9	40.9	45.9	53.4	60.9	75.9
1.21	34	41	11.6	13.1	14.6	16.1	17.6	19.1	20.6	22.1	23.6	25.6	28.1	30.6	33.1	35.6	40.6	45.6	53.1	60.6	75.6
1.22	18	22	16.0	17.5	19.0	20.5	22.0	23.5	25.0	26.5	28.0	30.0	32.5	35.0	37.5	40.0	45.0	50.0	57.5	65.0	80.0
1.22	23	28	14.6	16.1	17.6	19.1	20.6	22.1	23.6	25.1	26.6	28.6	31.1	33.6	36.1	38.6	43.6	48.6	56.1	63.6	78.6
1.22	27	33	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.5	30.0	32.5	35.0	37.5	42.5	47.5	55.0	62.5	77.5
1.22	32	39	12.1	13.6	15.1	16.6	18.1	19.6	21.1	22.6	24.1	26.1	28.6	31.1	33.6	36.1	41.1	46.1	53.6	61.1	76.1
1.22	36	44	11.0	12.5	14.0	15.5	17.0	18.5	20.0	21.5	23.0	25.0	27.5	30.0	32.5	35.0	40.0	45.0	52.5	60.0	75.0
1.22	37	45	10.7	12.2	13.7	15.2	16.7	18.2	19.7	21.2	22.7	24.7	27.2	29.7	32.2	34.7	39.8	44.8	52.3	59.8	74.8
1.23	22	37	14.9	16.4	17.9	19.4	20.9	22.4	23.9	25.4	26.9	28.9	31.4	33.9	36.4	38.9	43.9	48.9	56.4	63.9	78.9
1.23	26	32	13.7	15.2	16.7	18.2	19.7	21.2	22.7	24.2	25.7	27.7	30.2	32.8	35.3	37.8	42.8	47.8	55.3	62.8	77.8
1.23	30	37	12.6	14.1	15.6	17.1	18.6	20.1	21.6	23.1	24.6	26.6	29.1	31.6	34.1	36.6	41.6	46.6	54.1	61.6	76.6
1.23	31	38	12.4	13.9	15.4	16.9	18.4	19.9	21.4	22.9	24.4	26.4	28.9	31.4	33.9	36.4	41.4	46.4	53.9	61.4	76.4
1.23	35	43	11.2	12.7	14.2	15.7	17.2	18.7	20.2	21.7	23.2	25.2	27.7	30.2	32.7	35.2	40.2	45.3	52.8	60.3	75.3
1.23	39	48	10.1	11.6	13.1	14.6	16.1	17.6	19.1	20.6	22.1	24.1	26.6	29.1	31.6	34.1	39.1	44.1	51.6	59.1	74.1
1.24	17	21	16.2	17.7	19.2	20.7	22.3	23.8	25.3	26.8	28.3	30.3	32.8	35.3	37.8	40.3	45.3	50.3	57.8	65.3	80.3
1.24	21	26	15.1	16.6	18.1	19.6	21.1	22.6	24.1	25.6	27.1	29.1	31.6	34.1	36.6	39.1	44.1	49.1	56.6	64.1	79.1
1.24	25	31	14.0	15.5	17.0	18.5	20.0	21.5	23.0	24.5	26.0	28.0	30.5	33.0	35.5	38.0	43.0	48.0	55.5	63.0	78.0
1.24	29	36	12.9	14.4	15.9	17.4	18.9	20.4	21.9	23.4	24.9	26.9	29.4	31.9	34.4	36.9	41.9	46.9	54.4	61.9	76.9
1.24	33	41	11.7	13.2	14.7	16.2	17.7	19.2	20.7	22.2	23.7	25.7	28.2	30.7	33.2	35.7	40.7	45.8	53.3	60.8	75.8
1.24	34	42	11.5	13.0	14.5	16.0	17.5	19.0	20.5	22.0	23.5	25.5	28.0	30.5	33.0	35.5	40.5	45.5	53.0	60.5	75.5
1.25	16	20	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.0	28.5	30.5	33.0	35.5	38.0	40.5	45.5	50.5	58.0	65.5	80.5
1.25	20	25	15.4	16.9	18.4	19.9	21.4	22.9	24.4	25.9	27.4	29.4	31.9	34.4	36.9	39.4	44.4	49.4	56.9	64.4	79.4
1.25	24	30	14.2	15.7	17.2	18.7	20.2	21.7	23.2	24.7	26.2	28.2	30.7	33.2	35.8	38.3	43.3	48.3	55.8	63.3	78.3
1.25	28	35	13.1	14.6	16.1	17.6	19.1	20.6	22.1	23.6	25.1	27.1	29.6	32.1	34.6	37.1	42.1	47.1	54.6	62.1	77.1
1.25	32	40	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	26.0	28.5	31.0	33.5	36.0	41.0	46.0	53.5	61.0	76.0
1.25	36	45	10.9	12.4	13.9	15.4	16.9	18.4	19.9	21.4	22.9	24.9	27.4	29.9	32.4	34.9	39.9	44.9	52.4	59.9	74.9
1.25	48	60	—	—	10.5	12.0	13.5	15.0	16.5	18.0	19.5	21.5	24.0	26.5	29.0	31.5	36.5	41.5	49.0	56.5	71.5
1.26	19	24	15.6	17.1	18.6	20.1	21.6	23.1	24.6	26.1	27.6	29.6	32.1	34.6	37.1	39.6	44.6	49.6	57.1	64.6	79.6
1.26	23	29	14.5	16.0	17.5	19.0	20.5	22.0	23.5	25.0	26.5	28.5	31.0	33.5	36.0	38.5	43.5	48.5	56.0	63.5	78.5
1.26	27	34	13.4	14.9	16.4	17.9	19.4	20.9	22.4	23.9	25.4	27.4	29.9	32.4	34.9	37.4	42.4	47.4	54.9	62.4	77.4
1.26	31	39	12.2	13.7	15.2	16.7	18.2	19.7	21.2	22.7	24.2	26.2	28.7	31.2	33.7	36.2	41.2	46.3	53.8	61.3	76.3
1.26	34	43	11.4	12.9	14.4	15.9	17.4	18.9	20.4	21.9	23.4	25.4	27.9	30.4	32.9	35.4	40.4	45.4	52.9	60.4	75.4
1.26	35	44	11.1	12.6	14.1	15.6	17.1	18.6	20.1	21.6	23.1	25.1	27.6	30.1	32.6	35.1	40.1	45.1	52.6	60.1	75.1
1.26	38	48	10.2	11.7	13.2	14.7	16.2	17.7	19.2	20.7	22.2	24.2	26.7	29.2	31.7	34.2	39.2	44.2	51.7	59.3	74.3
1.27	22	28	14.7	16.2	17.7	19.2	20.7	22.2	23.7	25.2	26.7	28.7	31.2	33.7	36.3	38.8	43.8	48.8	56.3	63.8	78.8
1.27	26	33	13.6	15.1	16.6	18.1	19.6	21.1	22.6	24.1	25.6	27.6	30.1	32.6	35.1	37.6	42.6	47.6	55.1	62.6	77.6

Center Distances shown are theoretical; manufacturing tolerances on belt lengths and pulley diameters can affect the actual center distance of a drive. Belt Numbers at the head of center distance columns indicate pitch length (multiplied by ten) and pitch. For example, a "450H" belt is 45 inches long and is for use with 1/2 inch pitch pulleys. This part number must be completed by adding the belt width, for example, adding 150 to this number (making the complete part number read "450H150") indicates that the belt is 1 1/2 inches wide.

When the center distance is 8 or more times the diameter of the small pulley or when drive operates on vertical shafts, both pulleys should be flanged.

Table No. 1

1/2″ Pitch Drive Table

Nominal Ratio	Pulley Combination				Available Belt Widths					Driven Speeds and Horsepower for 1" Wide belt						Nominal Center Distances Using Browning® Gearbelt®					
	Driver		Driven							3500 RPM Motor		1750 RPM Motor		1160 RPM Motor							
	Number Grooves	Pitch Dia.	Number Grooves	Pitch Dia.	075	100	150	200	300	Driven Speed	HP for 1" Belt	Driven Speed	HP for 1" Belt	Driven Speed	HP for 1" Belt	240 H	270 H	300 H	330 H	360 H	390 H
1.27	30	4.775	38	6.048	X	X	-	-	-	2756	16.60	1378	9.03	913	6.08	—	—	6.5	8.0	9.5	11.0
1.27	33	5.252	42	6.685	X	X	-	-	-	2756	17.80	1378	9.88	913	6.67	—	—	—	7.1	8.6	10.1
1.28	18	2.865	23	3.661	X	X	-	-	-	2734	*10.71	1367	5.51	906	3.68	6.9	8.4	9.9	11.4	12.9	14.4
1.28	25	3.979	32	5.093	X	X	-	-	-	2734	14.33	1367	7.59	906	5.08	—	6.4	7.9	9.4	10.9	12.4
1.28	29	4.615	37	5.889	X	X	-	-	-	2734	16.17	1367	8.75	906	5.88	—	—	6.7	8.2	9.7	11.2
1.28	32	5.093	41	6.525	X	X	-	-	-	2734	17.42	1367	9.60	906	6.47	—	—	—	7.3	8.9	10.4
1.29	14	2.228	18	2.865	X	X	X	X	-	2713	*8. 46	1357	*4.31	899	*2.86	8.0	9.5	11.0	12.5	14.0	15.5
1.29	17	2.706	22	3.501	X	X	X	X	X	2713	*10.16	1357	*5.21	899	3.47	7.1	8.6	10.1	11.6	13.1	14.6
1.29	21	3.342	27	4.297	X	X	-	-	-	2713	12.32	1357	6.41	899	4.28	6.0	7.5	9.0	10.5	12.0	13.5
1.29	24	3.820	31	4.934	X	X	-	-	-	2713	13.84	1357	7.30	899	4.88	5.1	6.6	8.1	9.6	11.1	12.6
1.29	28	4.456	36	5.730	X	X	X	X	X	2713	15.73	1357	8.46	899	5.68	—	—	7.0	8.5	10.0	11.5
1.29	31	4.934	40	6.366	X	X	-	-	-	2713	17.01	1357	9.32	899	6.28	—	—	—	7.6	9.1	10.6
1.29	34	5.411	44	7.003	X	X	-	-	-	2713	18.18	1357	10.16	899	6.87	—	—	—	6.7	8.2	9.7
1.29	35	5.570	45	7.162	X	X	-	-	-	2713	18.54	1357	10.44	899	7.06	—	—	—	—	8.0	9.5
1.30	20	3.183	26	4.138	X	X	X	X	X	2692	11.79	1346	6.11	892	4.08	6.2	7.7	9.2	10.7	12.2	13.7
1.30	23	3.661	30	4.775	X	X	-	-	-	2692	13.35	1346	7.00	892	4.68	5.3	6.9	8.4	9.9	11.4	12.9
1.30	27	4.297	35	5.570	X	X	-	-	-	2692	15.27	1346	8.17	892	5.48	—	5.7	7.2	8.7	10.2	11.7
1.30	30	4.775	39	6.207	X	X	-	-	-	2692	16.60	1346	9.03	892	6.08	—	—	6.3	7.8	9.4	10.9
1.30	33	5.252	43	6.844	X	X	-	-	-	2692	17.80	1346	9.88	892	6.67	—	—	—	7.0	8.5	10.0
1.30	37	5.889	48	7.639	X	X	-	-	-	2692	19.21	1346	10.99	892	7.45	—	—	—	—	7.3	8.8
1.31	16	2.546	21	3.342	X	X	X	X	X	2672	*9.60	1336	*4.91	885	3.27	7.4	8.9	10.4	11.9	13.4	14.9
1.31	26	4.138	34	5.411	X	X	-	-	-	2672	14.81	1336	7.88	885	5.28	—	6.0	7.5	9.0	10.5	12.0
1.31	29	4.615	38	6.048	X	X	-	-	-	2672	16.17	1336	8.75	885	5.88	—	—	6.6	8.1	9.6	11.1
1.31	32	5.093	42	6.685	X	X	-	-	-	2672	17.42	1336	9.60	885	6.47	—	—	—	7.2	8.7	10.2
1.32	19	3.024	25	3.979	X	X	-	-	-	2652	*11.26	1326	5.81	879	3.88	6.5	8.0	9.5	11.0	12.5	14.0
1.32	22	3.501	29	4.615	X	X	-	-	-	2652	12.84	1326	6.71	879	4.48	5.6	7.1	8.6	10.1	11.6	13.1
1.32	25	3.979	33	5.252	X	X	-	-	-	2652	14.33	1326	7.59	879	5.08	—	6.2	7.7	9.2	10.7	12.2
1.32	28	4.456	37	5.889	X	X	-	-	-	2652	15.73	1326	8.46	879	5.68	—	—	6.8	8.3	9.9	11.4
1.32	31	4.934	41	6.525	X	X	-	-	-	2652	17.01	1326	9.32	879	6.28	—	—	—	7.5	9.0	10.5
1.32	34	5.411	45	7.162	X	X	-	-	-	2652	18.18	1326	10.16	879	6.87	—	—	—	—	8.1	9.6
1.33	18	2.865	24	3.820	X	X	X	X	X	2632	*10.71	1316	5.51	872	3.68	6.7	8.2	9.7	11.2	12.7	14.2
1.33	21	3.342	28	4.456	X	X	X	X	X	2632	12.32	1316	6.41	872	4.28	5.9	7.4	8.9	10.4	11.9	13.4
1.33	24	3.820	32	5.093	X	X	X	X	X	2632	13.84	1316	7.30	872	4.88	5.0	6.5	8.0	9.5	11.0	12.5
1.33	27	4.297	36	5.730	X	X	-	-	-	2632	15.27	1316	8.17	872	5.48	—	5.6	7.1	8.6	10.1	11.6
1.33	30	4.775	40	6.366	X	X	X	X	X	2632	16.60	1316	9.03	872	6.08	—	—	6.2	7.7	9.2	10.7
1.33	33	5.252	44	7.003	X	X	-	-	-	2632	17.80	1316	9.88	872	6.67	—	—	—	6.8	8.3	9.8
1.33	36	5.730	48	7.639	X	X	X	X	X	2632	18.88	1316	10.71	872	7.26	—	—	—	—	7.4	8.9
1.33	45	7.162	60	9.549	X	X	-	-	-	2632	—	1316	13.09	872	8.99	—	—	—	—	—	—
1.34	29	4.615	39	6.207	X	X	-	-	-	2612	16.17	1306	8.75	866	5.88	—	—	6.5	8.0	9.5	11.0
1.34	32	5.093	43	6.844	X	X	-	-	-	2612	17.42	1306	9.60	866	6.47	—	—	—	7.1	8.6	10.1
1.35	17	2.706	23	3.661	X	X	-	-	-	2593	*10.16	1296	*5.21	859	3.47	7.0	8.5	10.0	11.5	13.0	14.5
1.35	20	3.183	27	4.297	X	X	-	-	-	2593	11.79	1296	6.11	859	4.08	6.1	7.6	9.1	10.6	12.1	13.6
1.35	23	3.661	31	4.934	X	X	-	-	-	2593	13.35	1296	7.00	859	4.68	5.2	6.7	8.2	9.7	11.2	12.7
1.35	26	4.138	35	5.570	X	X	-	-	-	2593	14.81	1296	7.88	859	5.28	—	5.8	7.3	8.8	10.4	11.9
1.35	31	4.934	42	6.685	X	X	-	-	-	2593	17.01	1296	9.32	859	6.28	—	—	—	7.3	8.8	10.3
1.36	14	2.228	19	3.024	X	X	X	X	-	2574	*8.46	1287	*4.31	853	*2.86	7.9	9.4	10.9	12.4	13.9	15.4
1.36	22	3.501	30	4.775	X	X	X	X	X	2574	12.84	1287	6.71	853	4.48	5.5	7.0	8.5	10.0	11.5	13.0
1.36	25	3.979	34	5.411	X	X	-	-	-	2574	14.33	1287	7.59	853	5.08	—	6.1	7.6	9.1	10.6	12.1
1.36	28	4.456	38	6.048	X	X	-	-	-	2574	15.73	1287	8.46	853	5.68	—	—	6.7	8.2	9.7	11.2
1.36	33	5.252	45	7.162	X	X	-	-	-	2574	17.80	1287	9.88	853	6.67	—	—	—	—	8.2	9.7
1.36	44	7.003	60	9.549	X	X	X	X	X	2574	—	1287	12.84	853	8.80	—	—	—	—	—	—
1.37	16	2.546	22	3.501	X	X	X	X	X	2555	*9.60	1277	*4.91	847	3.27	7.2	8.7	10.2	11.7	13.2	14.7
1.37	19	3.024	26	4.138	X	X	X	X	X	2555	*11.26	1277	5.81	847	3.88	6.4	7.9	9.4	10.9	12.4	13.9
1.37	24	3.820	33	5.252	X	X	-	-	-	2555	13.84	1277	7.30	847	4.88	—	6.3	7.8	9.4	10.9	12.4
1.37	27	4.297	37	5.889	X	X	-	-	-	2555	15.27	1277	8.17	847	5.48	—	—	7.0	8.5	10.0	11.5
1.37	30	4.775	41	6.525	X	X	-	-	-	2555	16.60	1277	9.03	847	6.08	—	—	—	7.6	9.1	10.6
1.37	32	5.093	44	7.003	X	X	X	X	X	2555	17.42	1277	9.60	847	6.47	—	—	—	6.9	8.5	10.0
1.37	35	5.570	48	7.639	X	X	-	-	-	2555	18.54	1277	10.44	847	7.06	—	—	—	—	7.6	9.1
1.38	21	3.342	29	4.615	X	X	-	-	-	2536	12.32	1268	6.41	841	4.28	5.7	7.2	8.7	10.2	11.7	13.2
1.38	26	4.138	36	5.730	X	X	X	X	X	2536	14.81	1268	7.88	841	5.28	—	5.7	7.2	8.7	10.2	11.7
1.38	29	4.615	40	6.366	X	X	-	-	-	2536	16.17	1268	8.75	841	5.88	—	—	6.3	7.8	9.3	10.8
1.39	18	2.865	25	3.979	X	X	-	-	-	2518	*10.71	1259	5.51	835	3.68	6.6	8.1	9.6	11.1	12.6	14.1
1.39	23	3.661	32	5.093	X	X	-	-	-	2518	13.35	1259	7.00	835	4.68	5.1	6.6	8.1	9.6	11.1	12.6
1.39	28	4.456	39	6.207	X	X	-	-	-	2518	15.73	1259	8.46	835	5.68	—	—	6.6	8.1	9.6	11.1
1.39	31	4.934	43	6.844	X	X	-	-	-	2518	17.01	1259	9.32	835	6.28	—	—	—	7.2	8.7	10.2
1.40	20	3.183	28	4.456	X	X	X	X	X	2500	11.79	1250	6.11	829	4.08	6.0	7.5	9.0	10.5	12.0	13.5
1.40	25	3.979	35	5.570	X	X	-	-	-	2500	14.33	1250	7.59	829	5.08	—	6.0	7.5	9.0	10.5	12.0
1.40	30	4.775	42	6.685	X	X	-	-	-	2500	16.60	1250	9.03	829	6.08	—	—	—	7.4	9.0	10.5
1.40	43	6.844	60	9.549	X	X	-	-	-	2500	—	1250	12.58	829	8.61	—	—	—	—	—	—
1.41	17	2.706	24	3.820	X	X	X	X	X	2482	*10.16	1241	*5.21	823	3.47	6.9	8.4	9.9	11.4	12.9	14.4
1.41	22	3.501	31	4.934	X	X	-	-	-	2482	12.84	1241	6.71	823	4.48	5.3	6.8	8.3	9.9	11.4	12.9
1.41	27	4.297	38	6.048	X	X	-	-	-	2482	15.27	1241	8.17	823	5.48	—	—	6.8	8.3	9.8	11.3

Horsepower Ratings shown in these tables are for a 1" wide belt. To find the belt width required, divide the **NORMAL RATING** (See Page E-21) of the drive by the Horsepower shown in the table above. The result is the "Effective Belt Width". Using this, or the next higher figure, determine the "Actual Belt Width" from the following table:

Effective Belt Width……..	**.42"**	**.57"**	**.71"**	**1.00"**	**1.29"**	**1.56"**	**2.14"**	**2.72"**	**3.36"**	**4.76"**	**6.15"**	**7.50"**	**10.32"**
Actual Belt Width……..	1/2	5/8	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8

*This rating is for a pulley below the minimum recommended on page E-22 and, therefore, a reduction in belt life should be expected.

Table No. 1

1/2″ Pitch Drive Table

Nominal Ratio	Pulley Combination Driver Number Grooves	Pulley Combination Driven Number Grooves	Nominal Center Distances using Browning® Gearbelt® 420 H	450 H	480 H	510 H	540 H	570 H	600 H	630 H	660 H	700 H	750 H	800 H	850 H	900 H	1000 H	1100 H	1250 H	1400 H	1700 H
1.27	30	38	12.5	14.0	15.5	17.0	18.5	20.0	21.5	23.0	24.5	26.5	29.0	31.5	34.0	36.5	41.5	46.5	54.0	61.5	76.5
1.27	33	42	11.6	13.1	14.6	16.1	17.6	19.1	20.6	22.1	23.6	25.6	28.1	30.6	33.1	35.6	40.6	45.6	53.1	60.6	75.6
1.28	18	23	15.9	17.4	18.9	20.4	21.9	23.4	24.9	26.4	27.9	29.9	32.4	34.9	37.4	39.9	44.9	49.9	57.4	64.9	79.9
1.28	25	32	13.9	15.4	16.9	18.4	19.9	21.4	22.9	24.4	25.9	27.9	30.4	32.9	35.4	37.9	42.9	47.9	55.4	62.9	77.9
1.28	29	37	12.7	14.2	15.7	17.2	18.7	20.2	21.7	23.2	24.7	26.7	29.2	31.7	34.2	36.7	41.7	46.7	54.3	61.8	76.8
1.28	32	41	11.9	13.4	14.9	16.4	17.9	19.4	20.9	22.4	23.9	25.9	28.4	30.9	33.4	35.9	40.9	45.9	53.4	60.9	75.9
1.29	14	18	17.0	18.5	20.0	21.5	23.0	24.5	26.0	27.5	29.0	31.0	33.5	36.0	38.5	41.0	46.0	51.0	58.5	66.0	81.0
1.29	17	22	16.1	17.6	19.1	20.6	22.1	23.6	25.1	26.6	28.1	30.1	32.6	35.1	37.6	40.1	45.1	50.1	57.6	65.1	80.1
1.29	21	27	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.0	29.0	31.5	34.0	36.5	39.0	44.0	49.0	56.5	64.0	79.0
1.29	24	31	14.1	15.6	17.1	18.6	20.1	21.6	23.1	24.6	26.1	28.1	30.6	33.1	35.6	38.1	43.1	48.1	55.6	63.1	78.1
1.29	28	36	13.0	14.5	16.0	17.5	19.0	20.5	22.0	23.5	25.0	27.0	29.5	32.0	34.5	37.0	42.0	47.0	54.5	62.0	77.0
1.29	31	40	12.1	13.6	15.1	16.6	18.1	19.6	21.1	22.6	24.1	26.1	28.6	31.1	33.6	36.1	41.1	46.1	53.6	61.1	76.1
1.29	34	44	11.2	12.7	14.2	15.7	17.2	18.7	20.2	21.7	23.2	25.2	27.7	30.2	32.7	35.2	40.2	45.2	52.7	60.2	75.3
1.29	35	45	11.0	12.5	14.0	15.5	17.0	18.5	20.0	21.5	23.0	25.0	27.5	30.0	32.5	35.0	40.0	45.0	52.5	60.0	75.0
1.30	20	26	15.2	16.7	18.2	19.7	21.2	22.7	24.2	25.7	27.2	29.2	31.7	34.2	36.7	39.3	44.3	49.3	56.8	64.3	79.3
1.30	23	30	14.4	15.9	17.4	18.9	20.4	21.9	23.4	24.9	26.4	28.4	30.9	33.4	35.9	38.4	43.4	48.4	55.9	63.4	78.4
1.30	27	35	13.2	14.7	16.2	17.7	19.2	20.7	22.2	23.7	25.2	27.2	29.7	32.2	34.7	37.2	42.2	47.2	54.8	62.3	77.3
1.30	30	39	12.4	13.9	15.4	16.9	18.4	19.9	21.4	22.9	24.4	26.4	28.9	31.4	33.9	36.4	41.4	46.4	53.9	61.4	76.4
1.30	33	43	11.5	13.0	14.5	16.0	17.5	19.0	20.5	22.0	23.5	25.5	28.0	30.5	33.0	35.5	40.5	45.5	53.0	60.5	75.5
1.30	37	48	10.3	11.8	13.4	14.9	16.4	17.9	19.4	20.9	22.4	24.4	26.9	29.4	31.9	34.4	39.4	44.4	51.9	59.4	74.4
1.31	16	21	16.4	17.9	19.4	20.9	22.4	23.9	25.4	26.9	28.4	30.4	32.9	35.4	37.9	40.4	45.4	50.4	57.9	65.4	80.4
1.31	26	34	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.5	30.0	32.5	35.0	37.5	42.5	47.5	55.0	62.5	77.5
1.31	29	38	12.6	14.1	15.6	17.1	18.6	20.1	21.6	23.1	24.6	26.6	29.1	31.6	34.1	36.6	41.6	46.6	54.1	61.6	76.6
1.31	32	42	11.7	13.2	14.7	16.2	17.7	19.2	20.7	22.2	23.7	25.7	28.2	30.7	33.2	35.7	40.7	45.7	53.2	60.7	75.8
1.32	19	25	15.5	17.0	18.5	20.0	21.5	23.0	24.5	26.0	27.5	29.5	32.0	34.5	37.0	39.5	44.5	49.5	57.0	64.5	79.5
1.32	22	29	14.6	16.1	17.6	19.1	20.6	22.1	23.6	25.1	26.6	28.6	31.1	33.6	36.1	38.6	43.6	48.6	56.1	63.6	78.6
1.32	25	33	13.7	15.2	16.7	18.2	19.7	21.2	22.7	24.2	25.7	27.7	30.2	32.7	35.2	37.7	42.7	47.7	55.3	62.8	77.8
1.32	28	37	12.9	14.4	15.9	17.4	18.9	20.4	21.9	23.4	24.9	26.9	29.4	31.9	34.4	36.9	41.9	46.9	54.4	61.9	76.9
1.32	31	41	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	26.0	28.5	31.0	33.5	36.0	41.0	46.0	53.5	61.0	76.0
1.32	34	45	11.1	12.6	14.1	15.6	17.1	18.6	20.1	21.6	23.1	25.1	27.6	30.1	32.6	35.1	40.1	45.1	52.6	60.1	75.1
1.33	18	24	15.7	17.2	18.7	20.2	21.7	23.2	24.7	26.2	27.7	29.7	32.2	34.7	37.2	39.7	44.8	49.8	57.3	64.8	79.8
1.33	21	28	14.9	16.4	17.9	19.4	20.9	22.4	23.9	25.4	26.9	28.9	31.4	33.9	36.4	38.9	43.9	48.9	56.4	63.9	78.9
1.33	24	32	14.0	15.5	17.0	18.5	20.0	21.5	23.0	24.5	26.0	28.0	30.5	33.0	35.5	38.0	43.0	48.0	55.5	63.0	78.0
1.33	27	36	13.1	14.6	16.1	17.6	19.1	20.6	22.1	23.6	25.1	27.1	29.6	32.1	34.6	37.1	42.1	47.1	54.6	62.1	77.1
1.33	30	40	12.2	13.7	15.2	16.7	18.2	19.7	21.2	22.7	24.2	26.2	28.7	31.2	33.7	36.2	41.2	46.2	53.7	61.2	76.3
1.33	33	44	11.3	12.9	14.4	15.9	17.4	18.9	20.4	21.9	23.4	25.4	27.9	30.4	32.9	35.4	40.4	45.4	52.9	60.4	75.4
1.33	36	48	10.5	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.5	27.0	29.5	32.0	34.5	39.5	44.5	52.0	59.5	74.5
1.33	45	60	—	9.3	10.8	12.3	13.8	15.3	16.8	18.3	19.8	21.8	24.4	26.9	29.4	31.9	36.9	41.9	49.4	56.9	71.9
1.34	29	39	12.5	14.0	15.5	17.0	18.5	20.0	21.5	23.0	24.5	26.5	29.0	31.5	34.0	36.5	41.5	46.5	54.0	61.5	76.5
1.34	32	43	11.6	13.1	14.6	16.1	17.6	19.1	20.6	22.1	23.6	25.6	28.1	30.6	33.1	35.6	40.6	45.6	53.1	60.6	75.6
1.35	17	23	16.0	17.5	19.0	20.5	22.0	23.5	25.0	26.5	28.0	30.0	32.5	35.0	37.5	40.0	45.0	50.0	57.5	65.0	80.0
1.35	20	27	15.1	16.6	18.1	19.6	21.1	22.6	24.1	25.6	27.1	29.1	31.6	34.1	36.6	39.1	44.1	49.1	56.6	64.1	79.1
1.35	23	31	14.2	15.7	17.2	18.7	20.2	21.7	23.2	24.7	26.2	28.2	30.7	33.2	35.7	38.2	43.2	48.2	55.7	63.3	78.3
1.35	26	35	13.4	14.9	16.4	17.9	19.4	20.9	22.4	23.9	25.4	27.4	29.9	32.4	34.9	37.4	42.4	47.4	54.9	62.4	77.4
1.35	31	42	11.8	13.4	14.9	16.4	17.9	19.4	20.9	22.4	23.9	25.9	28.4	30.9	33.4	35.9	40.9	45.9	53.4	60.9	75.9
1.36	14	19	16.9	18.4	19.9	21.4	22.9	24.4	25.9	27.4	28.9	30.9	33.4	35.9	38.4	40.9	45.9	50.9	58.4	65.9	80.9
1.36	22	30	14.5	16.0	17.5	19.0	20.5	22.0	23.5	25.0	26.5	28.5	31.0	33.5	36.0	38.5	43.5	48.5	56.0	63.5	78.5
1.36	25	34	13.6	15.1	16.6	18.1	19.6	21.1	22.6	24.1	25.6	27.6	30.1	32.6	35.1	37.6	42.6	47.6	55.1	62.6	77.6
1.36	28	38	12.7	14.2	15.7	17.2	18.7	20.2	21.7	23.2	24.7	26.7	29.2	31.7	34.2	36.7	41.7	46.7	54.2	61.7	76.8
1.36	33	45	11.2	12.7	14.2	15.7	17.2	18.7	20.2	21.7	23.2	25.2	27.7	30.2	32.7	35.2	40.2	45.2	52.7	60.2	75.2
1.36	44	60	—	9.4	10.9	12.4	13.9	15.5	17.0	18.5	20.0	22.0	24.5	27.0	29.5	32.0	37.0	42.0	49.5	57.0	72.0
1.37	16	22	16.2	17.7	19.2	20.7	22.2	23.7	25.2	26.7	28.2	30.2	32.7	35.2	37.7	40.2	45.2	50.3	57.8	65.3	80.3
1.37	19	26	15.4	16.9	18.4	19.9	21.4	22.9	24.4	25.9	27.4	29.4	31.9	34.4	36.9	39.4	44.4	49.4	56.9	64.4	79.4
1.37	24	33	13.9	15.4	16.9	18.4	19.9	21.4	22.9	24.4	25.9	27.9	30.4	32.9	35.4	37.9	42.9	47.9	55.4	62.9	77.9
1.37	27	37	13.0	14.5	16.0	17.5	19.0	20.5	22.0	23.5	25.0	27.0	29.5	32.0	34.5	37.0	42.0	47.0	54.5	62.0	77.0
1.37	30	41	12.1	13.6	15.1	16.6	18.1	19.6	21.1	22.6	24.1	26.1	28.6	31.1	33.6	36.1	41.1	46.1	53.6	61.1	76.1
1.37	32	44	11.5	13.0	14.5	16.0	17.5	19.0	20.5	22.0	23.5	25.5	28.0	30.5	33.0	35.5	40.5	45.5	53.0	60.5	75.5
1.37	35	48	10.6	12.1	13.6	15.1	16.6	18.1	19.6	21.1	22.6	24.6	27.1	29.6	32.1	34.6	39.6	44.6	52.1	59.6	74.6
1.38	21	29	14.7	16.2	17.7	19.2	20.7	22.2	23.7	25.2	26.7	28.7	31.2	33.7	36.2	38.7	43.7	48.7	56.2	63.7	78.8
1.38	26	36	13.2	14.7	16.2	17.7	19.2	20.7	22.2	23.7	25.2	27.2	29.7	32.2	34.7	37.2	42.2	47.2	54.7	62.2	77.2
1.38	29	40	12.3	13.9	15.4	16.9	18.4	19.9	21.4	22.9	24.4	26.4	28.9	31.4	33.9	36.4	41.4	46.4	53.9	61.4	76.4
1.39	18	25	15.6	17.1	18.6	20.1	21.6	23.1	24.6	26.1	27.6	29.6	32.1	34.6	37.1	39.6	44.6	49.6	57.1	64.6	79.6
1.39	23	32	14.1	15.6	17.1	18.6	20.1	21.6	23.1	24.6	26.1	28.1	30.6	33.1	35.6	38.1	43.1	48.1	55.6	63.1	78.1
1.39	28	39	12.6	14.1	15.6	17.1	18.6	20.1	21.6	23.1	24.6	26.6	29.1	31.6	34.1	36.6	41.6	46.6	54.1	61.6	76.6
1.39	31	43	11.7	13.2	14.7	16.2	17.7	19.2	20.7	22.2	23.7	25.7	28.2	30.7	33.2	35.7	40.7	45.7	53.2	60.7	75.7
1.40	20	28	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.0	29.0	31.5	34.0	36.5	39.0	44.0	49.0	56.5	64.0	79.0
1.40	25	35	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.5	30.0	32.5	35.0	37.5	42.5	47.5	55.0	62.5	77.5
1.40	30	42	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	26.0	28.5	31.0	33.5	36.0	41.0	46.0	53.5	61.0	76.0
1.40	43	60	—	9.5	11.0	12.6	14.1	15.6	17.1	18.6	20.1	22.1	24.6	27.1	29.6	32.1	37.1	42.1	49.6	57.1	72.1
1.41	17	24	15.9	17.4	18.9	20.4	21.9	23.4	24.9	26.4	27.9	29.9	32.4	34.9	37.4	39.9	44.9	49.9	57.4	64.9	79.9
1.41	22	31	14.4	15.9	17.4	18.9	20.4	21.9	23.4	24.9	26.4	28.4	30.9	33.4	35.9	38.4	43.4	48.4	55.9	63.4	78.4
1.41	27	38	12.8	14.4	15.9	17.4	18.9	20.4	21.9	23.4	24.9	26.9	29.4	31.9	34.4	36.9	41.9	46.9	54.4	61.9	76.9

Center Distances shown are theoretical; manufacturing tolerances on belt lengths and pulley diameters can affect the actual center distance of a drive. Belt Numbers at the head of center distance columns indicate pitch length (multiplied by ten) and pitch. For example, a "450H" belt is 45 inches long and is for use with 1/2 inch pitch pulleys. This part number must be completed by adding the belt width, for example, adding 150 to this number (making the complete part number read "450H150") indicates that the belt is 1 1/2 inches wide.

When the center distance is 8 or more times the diameter of the small pulley or when drive operates on vertical shafts, both pulleys should be flanged.

Table No. 1 **1/2″ Pitch Drive Table**

Nominal Ratio	Pulley Combination: Driver Number Grooves	Driver Pitch Dia.	Driven Number Grooves	Driven Pitch Dia.	Available Belt Widths: 075	100	150	200	300	Driven Speeds and Horsepower for 1" Wide belt: 3500 RPM Motor Driven Speed	3500 RPM Motor HP for 1" Belt	1750 RPM Motor Driven Speed	1750 RPM Motor HP for 1" Belt	1160 RPM Motor Driven Speed	1160 RPM Motor HP for 1" Belt	Nominal Center Distances Using Browning® Gearbelt®: 240 H	270 H	300 H	330 H	360 H	390 H
1.41	29	4.615	41	6.525	X	X	-	-	-	2482	16.17	1241	8.75	823	5.88	—	—	6.2	7.7	9.2	10.7
1.41	32	5.093	45	7.162	X	X	-	-	-	2482	17.42	1241	9.60	823	6.47	—	—	—	6.8	8.3	9.8
1.41	34	5.411	48	7.639	X	X	-	-	-	2482	18.18	1241	10.16	823	6.87	—	—	—	—	7.7	9.2
1.42	19	3.024	27	4.297	X	X	-	-	-	2465	*11.26	1232	5.81	817	3.88	6.2	7.7	9.2	10.7	12.2	13.7
1.42	24	3.820	34	5.411	X	X	-	-	-	2465	13.84	1232	7.30	817	4.88	—	6.2	7.7	9.2	10.7	13.0
1.42	26	4.138	37	5.889	X	X	-	-	-	2465	14.81	1232	7.88	817	5.28	—	5.6	7.1	8.6	10.1	11.6
1.42	31	4.934	44	7.003	X	X	-	-	-	2465	17.01	1232	9.32	817	6.28	—	—	—	7.1	8.6	10.1
1.43	14	2.228	20	3.183	X	X	X	X	-	2448	*8.46	1224	*4.31	811	*2.86	7.7	9.2	10.7	12.2	13.7	15.2
1.43	21	3.342	30	4.775	X	X	X	X	X	2448	12.32	1224	6.41	811	4.28	5.6	7.1	8.6	10.1	11.6	13.1
1.43	23	3.661	33	5.252	X	X	-	-	-	2448	13.35	1224	7.00	811	4.68	—	6.5	8.0	9.5	11.0	12.5
1.43	28	4.456	40	6.366	X	X	X	X	X	2448	15.73	1224	8.46	811	5.68	—	—	6.4	7.9	9.5	11.0
1.43	30	4.775	43	6.844	X	X	-	-	-	2448	16.60	1224	9.03	811	6.08	—	—	—	7.3	8.8	10.3
1.43	42	6.685	60	9.549	X	X	-	-	-	2448	—	1224	12.32	811	8.42	—	—	—	—	—	—
1.44	16	2.546	23	3.661	X	X	-	-	-	2431	*9.60	1215	*4.91	806	3.27	7.1	8.6	10.1	11.6	13.1	14.6
1.44	18	2.865	26	4.138	X	X	X	X	X	2431	*10.71	1215	5.51	806	3.68	6.5	8.0	9.5	11.0	12.5	14.0
1.44	25	3.979	36	5.730	X	X	-	-	-	2431	14.33	1215	7.59	806	5.08	—	5.8	7.3	8.8	10.3	11.8
1.44	27	4.297	39	6.207	X	X	-	-	-	2431	15.27	1215	8.17	806	5.48	—	—	6.7	8.2	9.7	11.2
1.45	20	3.183	29	4.615	X	X	-	-	-	2414	11.79	1207	6.11	800	4.08	5.8	7.3	8.8	10.4	11.9	13.4
1.45	22	3.501	32	5.093	X	X	X	X	X	2414	12.84	1207	6.71	800	4.48	5.2	6.7	8.2	9.7	11.2	12.7
1.45	29	4.615	42	6.685	X	X	-	-	-	2414	16.17	1207	8.75	800	5.88	—	—	—	7.6	9.1	10.6
1.45	31	4.934	45	7.162	X	X	-	-	-	2414	17.01	1207	9.32	800	6.28	—	—	—	6.9	8.4	9.9
1.45	33	5.252	48	7.639	X	X	-	-	-	2414	17.80	1207	9.88	800	6.67	—	—	—	—	7.8	9.3
1.46	24	3.820	35	5.570	X	X	-	-	-	2397	13.84	1199	7.30	795	4.88	—	6.1	7.6	9.1	10.6	12.1
1.46	26	4.138	38	6.048	X	X	-	-	-	2397	14.81	1199	7.88	795	5.28	—	—	6.9	8.5	10.0	11.5
1.46	28	4.456	41	6.525	X	X	-	-	-	2397	15.73	1199	8.46	795	5.68	—	—	6.3	7.8	9.3	10.8
1.46	41	6.525	60	9.549	X	X	-	-	-	2397	20.36	1199	12.06	795	8.22	—	—	—	—	—	—
1.47	17	2.706	25	3.979	X	X	-	-	-	2381	*10.16	1190	*5.21	789	3.47	6.7	8.2	9.7	11.2	12.7	14.2
1.47	19	3.024	28	4.456	X	X	X	X	X	2381	*11.26	1190	5.81	789	3.88	6.1	7.6	9.1	10.6	12.1	13.6
1.47	30	4.775	44	7.003	X	X	X	X	X	2381	16.60	1190	9.03	789	6.08	—	—	—	7.2	8.7	10.2
1.48	21	3.342	31	4.934	X	X	-	-	-	2365	12.32	1182	6.41	784	4.28	5.4	7.0	8.5	10.0	11.5	13.0
1.48	23	3.661	34	5.411	X	X	-	-	-	2365	13.35	1182	7.00	784	4.68	—	6.3	7.8	9.3	10.8	12.3
1.48	25	3.979	37	5.889	X	X	-	-	-	2365	14.33	1182	7.59	784	5.08	—	5.7	7.2	8.7	10.2	11.7
1.48	27	4.297	40	6.366	X	X	-	-	-	2365	15.27	1182	8.17	784	5.48	—	—	6.5	8.1	9.6	11.1
1.48	29	4.615	43	6.844	X	X	-	-	-	2365	16.17	1182	8.75	784	5.88	—	—	—	7.4	8.9	10.4
1.50	14	2.228	21	3.342	X	X	X	X	-	2333	*8.46	1167	*4.31	773	*2.86	7.6	9.1	10.6	12.1	13.6	15.1
1.50	16	2.546	24	3.820	X	X	X	X	X	2333	*9.60	1167	*4.91	773	3.27	7.0	8.5	10.0	11.5	13.0	14.5
1.50	18	2.865	27	4.297	X	X	-	-	-	2333	*10.71	1167	5.51	773	3.68	6.3	7.8	9.4	10.9	12.4	13.9
1.50	20	3.183	30	4.775	X	X	X	X	X	2333	11.79	1167	6.11	773	4.08	5.7	7.2	8.7	10.2	11.7	13.2
1.50	22	3.501	33	5.252	X	X	-	-	-	2333	12.84	1167	6.71	773	4.48	5.1	6.6	8.1	9.6	11.1	12.6
1.50	24	3.820	36	5.730	X	X	X	X	X	2333	13.84	1167	7.30	773	4.88	—	5.9	7.4	9.0	10.5	12.0
1.50	26	4.138	39	6.207	X	X	-	-	-	2333	14.81	1167	7.88	773	5.28	—	—	6.8	8.3	9.8	11.3
1.50	28	4.456	42	6.685	X	X	-	-	-	2333	15.73	1167	8.46	773	5.68	—	—	6.2	7.7	9.2	10.7
1.50	30	4.775	45	7.162	X	X	-	-	-	2333	16.60	1167	9.03	773	6.08	—	—	—	7.0	8.5	10.0
1.50	32	5.093	48	7.639	X	X	X	X	X	2333	17.42	1167	9.60	773	6.47	—	—	—	—	7.9	9.4
1.50	40	6.366	60	9.549	X	X	X	X	X	2333	20.10	1167	11.79	773	8.03	—	—	—	—	—	—
1.50	48	7.639	72	11.459	X	X	X	X	X	2333	—	1167	13.84	773	9.55	—	—	—	—	—	—
1.52	21	3.342	32	5.093	X	X	X	X	X	2303	12.32	1151	6.41	763	4.28	5.3	6.8	8.3	9.8	11.3	12.8
1.52	23	3.661	35	5.570	X	X	-	-	-	2303	13.35	1151	7.00	763	4.68	—	6.2	7.7	9.2	10.7	12.2
1.52	25	3.979	38	6.048	X	X	-	-	-	2303	14.33	1151	7.59	763	5.08	—	5.5	7.1	8.6	10.1	11.6
1.52	27	4.297	41	6.525	X	X	-	-	-	2303	15.27	1151	8.17	763	5.48	—	—	6.4	7.9	9.4	10.9
1.52	29	4.615	44	7.003	X	X	-	-	-	2303	16.17	1151	8.75	763	5.88	—	—	—	7.3	8.8	10.3
1.53	17	2.706	26	4.138	X	X	X	X	X	2288	*10.16	1144	*5.21	758	3.47	6.6	8.1	9.6	11.1	12.6	14.1
1.53	19	3.024	29	4.615	X	X	-	-	-	2288	*11.26	1144	5.81	758	3.88	5.9	7.5	9.0	10.5	12.0	1.35
1.54	24	3.820	37	5.889	X	X	-	-	-	2273	13.84	1136	7.30	753	4.88	—	5.8	7.3	8.8	10.3	11.8
1.54	26	4.138	40	6.366	X	X	X	X	X	2273	14.81	1136	7.88	753	5.28	—	—	6.7	8.2	9.7	11.2
1.54	28	4.456	43	6.844	X	X	-	-	-	2273	15.73	1136	8.46	753	5.68	—	—	—	7.5	9.1	10.6
1.54	39	6.207	60	9.549	X	X	-	-	-	2273	19.82	1136	11.53	753	7.84	—	—	—	—	—	—
1.55	20	3.183	31	4.934	X	X	-	-	-	2258	11.79	1129	6.11	748	4.08	5.6	7.1	8.6	10.1	11.6	13.1
1.55	22	3.501	34	5.411	X	X	-	-	-	2258	12.84	1129	6.71	748	4.48	—	6.4	7.9	9.5	11.0	12.5
1.55	29	4.615	45	7.162	X	X	-	-	-	2258	16.17	1129	8.75	748	5.88	—	—	—	7.1	8.7	10.2
1.55	31	4.934	48	7.639	X	X	-	-	-	2258	17.01	1129	9.32	748	6.28	—	—	—	—	8.0	9.5
1.56	16	2.546	25	3.979	X	X	-	-	-	2244	*9.60	1122	*4.91	744	3.27	6.8	8.3	9.9	11.4	12.9	14.4
1.56	18	2.865	28	4.456	X	X	X	X	X	2244	*10.71	1122	5.51	744	3.68	6.2	7.7	9.2	10.7	12.2	13.7
1.56	25	3.979	39	6.207	X	X	-	-	-	2244	14.33	1122	7.59	744	5.08	—	—	6.9	8.4	9.9	11.4
1.56	27	4.297	42	6.685	X	X	-	-	-	2244	15.27	1122	8.17	744	5.48	—	—	6.3	7.8	9.3	10.8
1.57	14	2.228	22	3.501	X	X	X	X	-	2229	*8.46	1115	*4.31	739	*2.86	7.5	9.0	10.5	12.0	13.5	15.0
1.57	21	3.342	33	5.252	X	X	-	-	-	2229	12.32	1115	6.41	739	4.28	5.2	6.7	8.2	9.7	11.2	12.7
1.57	23	3.661	36	5.730	X	X	-	-	-	2229	13.35	1115	7.00	739	4.68	—	6.0	7.6	9.1	10.6	12.1
1.57	28	4.456	44	7.003	X	X	X	X	X	2229	15.73	1115	8.46	739	5.68	—	—	—	7.4	8.9	10.4
1.58	19	3.024	30	4.775	X	X	X	X	X	2215	*11.26	1108	5.81	734	3.88	5.8	7.3	8.8	10.3	11.8	13.3
1.58	24	3.820	38	6.048	X	X	-	-	-	2215	13.84	1108	7.30	734	4.88	—	5.6	7.2	8.7	10.2	11.7
1.58	26	4.138	41	6.525	X	X	-	-	-	2215	14.81	1108	7.88	734	5.28	—	—	6.5	8.0	9.6	11.1

Horsepower Ratings shown in these tables are for a 1" wide belt. To find the belt width required, divide the **NORMAL RATING** (See Page E-21) of the drive by the Horsepower shown in the table above. The result is the "Effective Belt Width". Using this, or the next higher figure, determine the "Actual Belt Width" from the following table:

Effective Belt Width……	**.42"**	**.57"**	**.71"**	**1.00"**	**1.29"**	**1.56"**	**2.14"**	**2.72"**	**3.36"**	**4.76"**	**6.15"**	**7.50"**	**10.32"**
Actual Belt Width……	1/2	5/8	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8

*This rating is for a pulley below the minimum recommended on page E-22 and, therefore, a reduction in belt life should be expected.

Table No. 1

1/2" Pitch Drive Table

Nominal Ratio	Pulley Combination Driver Number Grooves	Pulley Combination Driven Number Grooves	Nominal Center Distances using Browning® Gearbelt® 420 H	450 H	480 H	510 H	540 H	570 H	600 H	630 H	660 H	700 H	750 H	800 H	850 H	900 H	1000 H	1100 H	1250 H	1400 H	1700 H
1.41	29	41	12.2	13.7	15.2	16.7	18.2	19.7	21.2	22.7	24.2	26.2	28.7	31.2	33.7	36.2	41.2	46.2	53.7	61.2	76.2
1.41	32	45	11.3	12.8	14.3	15.8	17.3	18.9	20.4	21.9	23.4	25.4	27.9	30.4	32.9	35.4	40.4	45.4	52.9	60.4	75.4
1.41	34	48	10.7	12.2	13.7	15.2	16.7	18.2	19.7	21.2	22.7	24.7	27.2	29.7	32.2	34.7	39.7	44.7	52.2	59.7	74.7
1.42	19	27	15.2	16.7	18.2	19.7	21.2	22.7	24.2	25.7	27.2	29.2	31.7	34.2	36.7	39.2	44.2	49.2	56.7	64.2	79.3
1.42	24	34	13.7	15.2	16.7	18.2	19.7	21.2	22.7	24.2	25.7	27.7	30.2	32.7	35.2	37.7	42.7	47.7	55.2	62. 7	77.7
1.42	26	37	13.1	14.6	16.1	17.6	19.1	20.6	22.1	23.6	25.1	27.1	29.6	32.1	34.6	37.1	42.1	47.1	54.6	62.1	77.1
1.42	31	44	11.6	13.1	14.6	16.1	17.6	19.1	20.6	22.1	23.6	25.6	28.1	30.6	33.1	35.6	40.6	45.6	53.1	60.6	75.6
1.43	14	20	16.7	18.2	19.7	21.2	22.7	24.2	25.7	27.2	28.7	30.7	33.2	35.7	38.2	40.7	45.7	50.7	58.3	65.8	80.8
1.43	21	30	14.6	16.1	17.6	19.1	20.6	22.1	23.6	25.1	26.6	28.6	31.1	33.6	36.1	38.6	43.6	48.6	56.1	63.6	78.6
1.43	23	33	14.0	15.5	17.0	18.5	20.0	21.5	23.0	24.5	26.0	28.0	30.5	33.0	35.5	38.0	43.0	48.0	55.5	63.0	78.0
1.43	28	40	12.5	14.0	15.5	17.0	18.5	20.0	21.5	23.0	24.5	26.5	29.0	31.5	34.0	36.5	41.5	46.5	54.0	61.5	76.5
1.43	30	43	11.8	13.3	14.8	16.3	17.8	19.4	20.9	22.4	23.9	25.9	28.4	30.9	33.4	35.9	40.9	45.9	53.4	60.9	75.9
1.43	42	60	—	9.7	11.2	12.7	14.2	15.7	17.2	18.7	20.2	22.2	24.7	27.2	29.7	32.2	37.2	42.2	49.7	57.2	72.2
1.44	16	23	16.1	17.6	19.1	20.6	22.1	23.6	25.1	26.6	28.1	30.1	32.6	35.1	37.6	40.1	45.1	50.1	57.6	65.1	80.1
1.44	18	26	15.5	17.0	18.5	20.0	21.5	23.0	24.5	26.0	27.5	29.5	32.0	34.5	37.0	39.5	44.5	49.5	57.0	64.5	79.5
1.44	25	36	13.4	14.9	16.4	17.9	19.4	20.9	22.4	23.9	25.4	27.4	29.9	32.4	34.9	37.4	42.4	47.4	54.9	62.4	77.4
1.44	27	39	12.7	14.2	15.7	17.2	18.7	20.2	21.7	23.2	24.7	26.7	29.2	31.7	34.2	36.7	41.7	46.7	54.2	61.7	76.7
1.45	20	29	14.9	16.4	17.9	19.4	20.9	22.4	23.9	25.4	26.9	28.9	31.4	33.9	36.4	38.9	43.9	48.9	56.4	63.9	78.9
1.45	22	32	14.2	15.7	17.2	18.7	20.2	21.7	23.2	24.7	26.2	28.2	30.7	33.2	35.7	38.2	43.2	48.2	55.7	63.2	78.2
1.45	29	42	12.1	13.6	15.1	16.6	18.1	19.6	21.1	22.6	24.1	26.1	28.6	31.1	33.6	36.1	41.1	46.1	53.6	61.1	76.1
1.45	31	45	11.5	13.0	14.5	16.0	17.5	19.0	20.5	22.0	23.5	25.5	28.0	30.5	33.0	35.5	40.5	45.5	53.0	60.5	75.5
1.45	33	48	10.8	12.3	13.8	15.3	16.8	18.3	19.8	21.3	22.8	24.9	27.4	29.9	32.4	34.9	39.9	44.9	52.4	59.9	74.9
1.46	24	35	13.6	15.1	16.6	18.1	19.6	21.1	22.6	24.1	25.6	27.6	30.1	32.6	35.1	37.6	42.6	47.6	55.1	62.6	77.6
1.46	26	38	13.0	14.5	16.0	17.5	19.0	20.5	22.0	23.5	25.0	27.0	29.5	32.0	34.5	37.0	42.0	47.0	54.5	62.0	77.0
1.46	28	41	12.3	13.8	15.3	16.8	18.4	19.9	21.4	22.9	24.4	26.4	28.9	31.4	33.9	36.4	41.4	46.4	53.9	61.4	76.4
1.46	41	60	—	9.8	11.3	12.8	14.3	15.8	17.3	18.8	20.3	22.3	24.8	27.3	29.8	32.3	37.4	42.4	49.9	57.4	72.4
1.47	17	25	15.7	17.2	18.7	20.2	21.7	23.2	24.7	26.2	27.7	29.7	32.2	34.7	37.2	39.7	44.7	49.7	57.2	64.7	79.8
1.47	19	28	15.1	16.6	18.1	19.6	21.1	22.6	24.1	25.6	27.1	29.1	31.6	34.1	36.6	39.1	44.1	49.1	56.6	64.1	79.1
1.47	30	44	11.7	13.2	14.7	16.2	17.7	19.2	20.7	22.2	23.7	25.7	28.2	30.7	33.2	35.7	40.7	45.7	53.2	60.7	75.7
1.48	21	31	14.5	16.0	17.5	19.0	20.5	22.0	23.5	25.0	26.5	28.5	31.0	33.5	36.0	38.5	43.5	48.5	56.0	63.5	78.5
1.48	23	34	13.9	15.4	16.9	18.4	19.9	21.4	22.9	24.4	25.9	27.9	30.4	32.9	35.4	37.9	42.9	47.9	55.4	62.9	77.9
1.48	25	37	13.2	14.7	16.2	17.7	19.2	20.7	22.2	23.7	25.2	27.2	29.7	32.2	34.7	37.2	42.2	47.2	54.7	62.2	77.2
1.48	27	40	12.6	14.1	15.6	17.1	18.6	20.1	21.6	23.1	24.6	26.6	29.1	31.6	34.1	36.6	41.6	46.6	54.1	61.6	76.6
1.48	29	43	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	26.0	28.5	31.0	33.5	36.0	41.0	46.0	53.5	61.0	76.0
1.50	14	21	16.6	18.1	19.6	21.1	22.6	24.1	25.6	27.1	28.6	30.6	33.1	35.6	38.1	40.6	45.6	50.6	58.1	65.6	80.6
1.50	16	24	16.0	17.5	19.0	20.5	22.0	23.5	25.0	26.5	28.0	30.0	32.5	35.0	37.5	40.0	45.0	50.0	57.5	65.0	80.0
1.50	18	27	15.4	16.9	18.4	19.9	21.4	22.9	24.4	25.9	27.4	29.4	31.9	34.4	36.9	39.4	44.4	49.4	56.9	64.4	79.4
1.50	20	30	14.7	16.2	17.7	19.2	20.7	22.2	23.7	25.2	26.7	28.7	31.2	33.7	36.2	38.7	43.7	48.7	56.2	63.7	78.7
1.50	22	33	14.1	15.6	17.1	18.6	20.1	21.6	23.1	24.6	26.1	28.1	30.6	33.1	35.6	38.1	43.1	48.1	55.6	63.1	78.1
1.50	24	36	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.5	30.0	32.5	35.0	37.5	42.5	47.5	55.0	62.5	77.5
1.50	26	39	12.8	14.3	15.8	17.3	18.9	20.4	21.9	23.4	24.9	26.9	29.4	31.9	34.4	36.9	41.9	46.9	54.4	61.9	76.9
1.50	28	42	12.2	13.7	15.2	16.7	18.2	19.7	21.2	22.7	24.2	26.2	28.7	31.2	33.7	36.2	41.2	46.2	53.7	61.2	76.2
1.50	30	45	11.6	13.1	14.6	16.1	17.6	19.1	20.6	22.1	23.6	25.6	28.1	30.6	33.1	35.6	40.6	45.6	53.1	60.6	75.6
1.50	32	48	10.9	12.4	13.9	15.5	17.0	18.5	20.0	21.5	23.0	25.0	27.5	30.0	32.5	35.0	40.0	45.0	52.5	60.0	75.0
1.50	40	60	—	9.9	11.4	12.9	14.4	15.9	17.4	18.9	20.4	22.4	25.0	27.5	30.0	32.5	37.5	42.5	50.0	57.5	72.5
1.50	48	72	—	—	—	10.3	11.9	13.4	14.9	16.4	17.9	19.9	22.4	24.9	27.4	29.9	35.0	40.0	47.5	55.0	70.0
1.52	21	32	14.4	15.9	17.4	18.9	20.4	21.9	23.4	24.9	26.4	28.4	30.9	33.4	35.9	38.4	43.4	48.4	55.9	63.4	78.4
1.52	23	35	13.7	15.2	16.7	18.2	19.7	21.2	22.7	24.2	25.7	27.7	30.2	32.7	35.2	37.7	42.7	47.7	55.2	62.7	77.7
1.52	25	38	13.1	14.6	16.1	17.6	19.1	20.6	22.1	23.6	25.1	27.1	29.6	32.1	34.6	37.1	42.1	47.1	54.6	62.1	77.1
1.52	27	41	12.5	14.0	15.5	17.0	18.5	20.0	21.5	23.0	24.5	26.5	29.0	31.5	34.0	36.5	41.5	46.5	54.0	61.5	76.5
1.52	29	44	11.8	13.3	14.8	16.3	17.8	19.3	20.8	22.3	23.8	25.9	28.4	30.9	33.4	35.9	40.9	45.9	53.4	60.9	75.9
1.53	17	26	15.6	17.1	18.6	20.1	21.6	23.1	24.6	26.1	27.6	29.6	32.1	34.6	37.1	39.6	44.6	49.6	57.1	64.6	79.6
1.53	19	29	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.0	29.0	31.5	34.0	36.5	39.0	44.0	49.0	56.5	64.0	79.0
1.54	24	37	13.3	14.8	16.3	17.8	19.4	20.9	22.4	23.9	25.4	27.4	29.9	32.4	34.9	37.4	42.4	47.4	54.9	62.4	77.4
1.54	26	40	12.7	14.2	15.7	17.2	18.7	20.2	21.7	23.2	24.7	26.7	29.2	31.7	34.2	36.7	41.7	46.7	54.2	61.7	76.7
1.54	28	43	12.1	13.6	15.1	16.6	18.1	19.6	21.1	22.6	24.1	26.1	28.6	31.1	33.6	36.1	41.1	46.1	53.6	61.1	76.1
1.54	39	60	8.5	10.0	11.5	13.0	14.5	16.0	17.6	19.1	20.6	22.6	25.1	27.6	30.1	32.6	37.6	42.6	50.1	57.6	72.6
1.55	20	31	14.6	16.1	17.6	19.1	20.6	22.1	23.6	25.1	26.6	28.6	31.1	33.6	36.1	38.6	43.6	48.6	56.1	63.6	78.6
1.55	22	34	14.0	15.5	17.0	18.5	20.0	21.5	23.0	24.5	26.0	28.0	30.5	33.0	35.5	38.0	43.0	48.0	55.5	63.0	78.0
1.55	29	45	11.7	13.2	14.7	16.2	17.7	19.2	20.7	22.2	23.7	25.7	28.2	30.7	33.2	35.7	40.7	45.7	53.2	60.7	75.7
1.55	31	48	11.0	12.6	14.1	15.6	17.1	18.6	20.1	21.6	23.1	25.1	27.6	30.1	32.6	35.1	40.1	45.1	52.6	60.1	75.1
1.56	16	25	15.9	17.4	18.9	20.4	21.9	23.4	24.9	26.4	27.9	29.9	32.4	34.9	37.4	39.9	44.9	49.9	57.4	64.9	79.9
1.56	18	28	15.2	16.7	18.2	19.7	21.2	22.7	24.2	25.7	27.2	29.2	31.7	34.2	36.7	39.2	44.2	49.2	56.7	64.2	79.2
1.56	25	39	13.0	14.5	16.0	17.5	19.0	20.5	22.0	23.5	25.0	27.0	29.5	32.0	34.5	37.0	42.0	47.0	54.5	62.0	77.0
1.56	27	42	12.3	13.8	15.3	16.8	18.3	19.8	21.3	22.8	24.4	26.4	28.9	31.4	33.9	36.4	41.4	46.4	53.9	61.4	76.4
1.57	14	22	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.0	28.5	30.5	33.0	35.5	38.0	40.5	45.5	50.5	58.0	65.5	80.5
1.57	21	33	14.2	15.7	17.2	18.7	20.2	21.7	23.2	24.7	26.2	28.2	30.7	33.2	35.7	38.2	43.2	48.2	55.7	63.2	78.2
1.57	23	36	13.6	15.1	16.6	18.1	19.6	21.1	22.6	24.1	25.6	27.6	30.1	32.6	35.1	37.6	42.6	47.6	55.1	62.6	77.6
1.57	28	44	11.9	13.4	15.0	16.5	18.0	19.5	21.0	22.5	24.0	26.0	28.5	31.0	33.5	36.0	41.0	46.0	53.5	61.0	76.0
1.58	19	30	14.9	16.4	17.9	19.4	20.9	22.4	23.9	25.4	26.9	28.9	31.4	33.9	36.4	38.9	43.9	48.9	56.4	63.9	78.9
1.58	24	38	13.2	14.7	16.2	17.7	19.2	20.7	22.2	23.7	25.2	27.2	29.7	32.2	34.7	37.2	42.2	47.2	54.7	62.2	77.2
1.58	26	41	12.6	14.1	15.6	17.1	18.6	20.1	21.6	23.1	24.6	26.6	29.1	31.6	34.1	36.6	41.6	46.6	54.1	61.6	76.6

Center Distances shown are theoretical; manufacturing tolerances on belt lengths and pulley diameters can affect the actual center distance of a drive. Belt Numbers at the head of center distance columns indicate pitch length (multiplied by ten) and pitch. For example, a "450H" belt is 45 inches long and is for use with 1/2 inch pitch pulleys. This part number must be completed by adding the belt width, for example, adding 150 to this number (making the complete part number read "450H150") indicates that the belt is 1 1/2 inches wide.

When the center distance is 8 or more times the diameter of the small pulley or when drive operates on vertical shafts, both pulleys should be flanged.

Table No. 1

1/2″ Pitch Drive Table

Nominal Ratio	Pulley Combination				Available Belt Widths					Driven Speeds and Horsepower for 1" Wide belt						Nominal Center Distances Using Browning® Gearbelt®					
	Driver		Driven							3500 RPM Motor		1750 RPM Motor		1160 RPM Motor							
	Number Grooves	Pitch Dia.	Number Grooves	Pitch Dia.	075	100	150	200	300	Driven Speed	HP for 1" Belt	Driven Speed	HP for 1" Belt	Driven Speed	HP for 1" Belt	240 H	270 H	300 H	330 H	360 H	390 H
1.58	38	6.048	60	9.549	X	X	-	-	-	2215	19.52	1108	11.26	734	7.65	—	—	—	—	—	—
1.59	17	2.706	27	4.297	X	X	-	-	-	2201	*10.16	1101	*5.21	730	3.47	6.5	8.0	9.5	11.0	12.5	14.0
1.59	22	3.501	35	5.570	X	X	-	-	-	2201	12.84	1101	6.71	730	4.48	—	6.3	7.8	9.3	10.8	12.3
1.59	27	4.297	43	6.844	X	X	-	-	-	2201	15.27	1101	8.17	730	5.48	—	—	6.1	7.6	9.2	10.7
1.60	20	3.183	32	5.093	X	X	X	X	X	2187	11.79	1094	6.11	725	4.08	5.4	6.9	8.4	10.0	11.5	-
1.60	25	3.979	40	6.366	X	X	-	-	-	2187	14.33	1094	7.59	725	5.08	—	—	6.8	8.3	9.8	11.3
1.60	30	4.775	48	7.639	X	X	X	X	X	2187	16.60	1094	9.03	725	6.08	—	—	—	—	8.1	9.6
1.60	45	7.162	72	11.459	X	X	-	-	-	2187	—	1094	13.09	725	8.99	—	—	—	—	—	—
1.61	18	2.865	29	4.615	X	X	-	-	-	2174	*10.71	1087	5.51	720	3.68	6.1	7.6	9.1	10.6	12.1	13.6
1.61	23	3.661	37	5.889	X	X	-	-	-	2174	13.35	1087	7.00	720	4.68	—	5.9	7.4	8.9	10.4	11.9
1.61	28	4.456	45	7.162	X	X	-	-	-	2174	15.73	1087	8.46	720	5.68	—	—	—	7.3	8.8	10.3
1.62	16	2.546	26	4.138	X	X	X	X	X	2160	*9.60	1080	*4.91	716	3.27	6.7	8.2	9.7	11.2	12.7	14.2
1.62	21	3.342	34	5.411	X	X	-	-	-	2160	12.32	1080	6.41	716	4.28	5.0	6.5	8.1	9.6	11.1	12.6
1.62	24	3.820	39	6.207	X	X	-	-	-	2160	13.84	1080	7.30	716	4.88	—	—	7.0	8.5	10.1	11.6
1.62	26	4.138	42	6.685	X	X	-	-	-	2160	14.81	1080	7.88	716	5.28	—	—	6.4	7.9	9.4	10.9
1.62	37	5.889	60	9.549	X	X	-	-	-	2160	19.21	1080	10.99	716	7.45	—	—	—	—	—	—
1.63	19	3.024	31	4.934	X	X	-	-	-	2147	*11.26	1074	5.81	712	3.88	5.7	7.2	8.7	10.2	11.7	13.2
1.63	27	4.297	44	7.003	X	X	-	-	-	2147	15.27	1074	8.17	712	5.48	—	—	—	7.5	9.0	10.5
1.64	14	2.228	23	3.661	X	X	-	-	-	2134	*8.46	1067	*4.31	707	*2.86	7.3	8.8	10.4	11.9	13.4	14.9
1.64	22	3.501	36	5.730	X	X	X	X	X	2134	12.84	1067	6.71	707	4.48	—	6.2	7.7	9.2	10.7	12.2
1.64	25	3.979	41	6.525	X	X	-	-	-	2134	14.33	1067	7.59	707	5.08	—	—	6.6	8.2	9.7	11.2
1.64	44	7.003	72	11.459	X	X	X	X	X	2134	—	1067	12.84	707	8.80	—	—	—	—	—	—
1.65	17	2.706	28	4.456	X	X	X	X	X	2121	*10.16	1061	*5.21	703	3.47	6.3	7.8	9.3	10.8	12.3	13.8
1.65	20	3.183	33	5.252	X	X	-	-	-	2121	11.79	1061	6.11	703	4.08	5.3	6.8	8.3	9.8	11.3	12.8
1.65	23	3.661	38	6.048	X	X	-	-	-	2121	13.35	1061	7.00	703	4.68	—	5.8	7.3	8.8	10.3	11.8
1.65	26	4.138	43	6.844	X	X	-	-	-	2121	14 .81	1061	7.88	703	5.28	—	—	6.2	7.8	9.3	10.8
1.66	29	4.615	48	7.639	X	X	-	-	-	2108	16.17	1054	8.75	699	5.88	—	—	—	6.7	8.2	9.7
1.67	18	2.865	30	4.775	X	X	X	X	X	2096	* 10.71	1048	5.51	695	3.68	5.9	7.4	9.0	10.5	12.0	13.5
1.67	21	3.342	35	5.570	X	X	-	-	-	2096	12.32	1048	6.41	695	4.28	—	6.4	7.9	9.4	10.9	12.4
1.67	24	3.820	40	6.366	X	X	X	X	X	2096	13.84	1048	7.30	695	4.88	—	—	6.9	8.4	9.9	11.4
1.67	27	4.297	45	7.162	X	X	-	-	-	2096	15.27	1048	8.17	695	5.48	—	—	—	7.4	8.9	10.4
1.67	36	5.730	60	9.549	X	X	X	X	X	2096	18.88	1048	10.71	695	7.26	—	—	—	—	—	—
1.67	43	6.844	72	11.459	X	X	-	-	-	2096	—	1048	12.58	695	8.61	—	—	—	—	—	—
1.68	19	3.024	32	5.093	X	X	X	X	X	2083	*11.26	1042	5.81	690	3.88	5.5	7.1	8.6	10.1	11.6	13.1
1.68	22	3.501	37	5.889	X	X	-	-	-	2083	12.84	1042	6.71	690	4.48	—	6.0	7.5	9.1	10.6	12.1
1.68	25	3.979	42	6.685	X	X	-	-	-	2083	14.33	1042	7.59	690	5.08	—	—	6.5	8.0	9.5	11.0
1.69	16	2.546	27	4.297	X	X	-	-	-	2071	*9.60	1036	*4.91	686	3.27	6.6	8.1	9.6	11.1	12.6	14.1
1.69	26	4.138	44	7.003	X	X	X	X	X	2071	14.81	1036	7.88	686	5.28	—	—	6.1	7.6	9.1	10.6
1.70	20	3.183	34	5.411	X	X	-	-	-	2059	11.79	1029	6.11	682	4.08	5.1	6.7	8.2	9.7	11.2	12.7
1.70	23	3.661	39	6.207	X	X	-	-	-	2059	13.35	1029	7.00	682	4.68	—	5.6	7.1	8.7	10.2	11.7
1.71	14	2.228	24	3.820	X	X	X	X	-	2047	*8.46	1023	*4.31	678	*2.86	7.2	8.7	10.2	11.7	13.2	14.7
1.71	17	2.706	29	4.615	X	X	-	-	-	2047	*10.16	1023	*5.21	678	3.47	6.2	7.7	9.2	10.7	12.2	13.7
1.71	21	3.342	36	5.730	X	X	X	X	X	2047	12.32	1023	6.41	678	4.28	—	6.3	7.8	9.3	10.8	12.3
1.71	24	3.820	41	6.525	X	X	-	-	-	2047	13.84	1023	7.30	678	4.88	—	—	6.7	8.3	9.8	11.3
1.71	28	4.456	48	7.639	X	X	X	X	X	2047	15.73	1023	8.46	678	5.68	—	—	—	6.8	8.4	9.9
1.71	35	5.570	60	9.549	X	X	-	-	-	2047	18.54	1023	10.44	678	7.06	—	—	—	—	—	—
1.71	42	6.685	72	11.459	X	X	-	-	-	2047	—	1023	12.32	678	8.42	—	—	—	—	—	—
1.72	18	2.865	31	4.934	X	X	-	-	-	2035	*10.71	1017	5.51	674	3.68	5.8	7.3	8.8	10.3	11.8	13.3
1.72	25	3.979	43	6.844	X	X	-	-	-	2035	14.33	1017	7.59	674	5.08	—	—	6.3	7.9	9.4	10.9
1.73	22	3.501	38	6.048	X	X	-	-	-	2023	12.84	1012	6.71	671	4.48	—	5.9	7.4	8.9	10.4	11.9
1.73	26	4.138	45	7.162	X	X	-	-	-	2023	14.81	1012	7.88	671	5.28	—	—	—	7.5	9.0	10.5
1.74	19	3.024	33	5.252	X	X	-	-	-	2011	*11.26	1006	5.81	667	3.88	5.4	6.9	8.4	9.9	11.4	12.9
1.74	23	3.661	40	6.366	X	X	-	-	-	2011	13.35	1006	7.00	667	4.68	—	—	7.0	8.5	10.0	11.5
1.75	16	2.546	28	4.456	X	X	X	X	X	2000	*9.60	1000	*4.91	663	3.27	6.4	7.9	9.5	11.0	12.5	13.0
1.75	20	3.183	35	5.570	X	X	-	-	-	2000	11.79	1000	6.11	663	4.08	5.0	6.5	8.0	9.6	11.1	12.6
1.75	24	3.820	42	6.685	X	X	-	-	-	2000	13.84	1000	7.30	663	4.88	—	—	6.6	8.1	9.6	11.1
1.75	48	7.639	84	13.369	X	X	X	X	X	2000	—	1000	13.84	663	9.55	—	—	—	—	—	—
1.76	17	2.706	30	4.775	X	X	X	X	X	1989	*10.16	994	*5.21	659	3.47	6.0	7.6	9.1	10.6	12.1	13.6
1.76	21	3.342	37	5.889	X	X	-	-	-	1989	12.32	994	6.41	659	4.28	—	6.1	7.6	9.2	10.7	12.2
1.76	25	3.979	44	7.003	X	X	-	-	-	1989	14.33	994	7.59	659	5.08	—	—	6.2	7.7	9.3	10.8
1.76	34	5.411	60	9.549	X	X	-	-	-	1989	18.18	994	10.16	659	6.87	—	—	—	—	—	—
1.76	41	6.525	72	11.459	X	X	-	-	-	1989	20.36	994	12.06	659	8.22	—	—	—	—	—	—
1.77	22	3.501	39	6.207	X	X	-	-	-	1977	12.84	989	6.71	655	4.48	—	5.7	7.3	8.8	10.3	11.8
1.78	18	2.865	32	5.093	X	X	X	X	X	1966	*10.71	983	5.51	652	3.68	5.6	7.2	8.7	10.2	11.7	13.2
1.78	23	3.661	41	6.525	X	X	-	-	-	1966	13.35	983	7.00	652	4.68	—	—	6.9	8.4	9.9	11.4
1.78	27	4.297	48	7.639	X	X	-	-	-	1966	15.27	983	8.17	652	5.48	—	—	—	6.9	8.5	10.0
1.79	14	2.228	25	3.979	X	X	-	-	-	1955	*8.46	978	*4.31	648	*2.86	7.1	8.6	10.1	11.6	13.1	14.6
1.79	19	3.024	34	5.411	X	X	-	-	-	1955	*11.26	978	5.81	648	3.88	5.2	6.8	8.3	9.8	11.3	12.8
1.79	24	3.820	43	6.844	X	X	-	-	-	1955	13.84	978	7.30	648	4.88	—	—	6.5	8.0	9.5	11.0
1.80	20	3.183	36	5.730	X	X	X	X	X	1944	11.79	972	6.11	644	4.08	—	6.4	7.9	9.4	10.9	12.4
1.80	25	3.979	45	7.162	X	X	-	-	-	1944	14.33	972	7.59	644	5.08	—	—	—	7.6	9.1	10.6
1.80	40	6.366	72	11.459	X	X	X	X	X	1944	20.10	972	11.79	644	8.03	—	—	—	—	—	—

Horsepower Ratings shown in these tables are for a 1" wide belt. To find the belt width required, divide the **NORMAL RATING** (See Page E-21) of the drive by the Horsepower shown in the table above. The result is the "Effective Belt Width". Using this, or the next higher figure, determine the "Actual Belt Width" from the following table:

Effective Belt Width……..	**.42"**	**.57"**	**.71"**	**1.00"**	**1.29"**	**1.56"**	**2.14"**	**2.72"**	**3.36"**	**4.76"**	**6.15"**	**7.50"**	**10.32"**
Actual Belt Width……..	1/2	5/8	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8

*This rating is for a pulley below the minimum recommended on page E-22 and, therefore, a reduction in belt life should be expected.

Table No. 1

1/2″ Pitch Drive Table

Nominal Ratio	Pulley Combination		Nominal Center Distances using Browning® Gearbelt®																		
	Driver	Driven	420	450	480	510	540	570	600	630	660	700	750	800	850	900	1000	1100	1250	1400	1700
	Number Grooves	Number Grooves	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
1.58	38	60	8.6	10.1	11.6	13.1	14.7	16.2	17.7	19.2	20.7	22.7	25.2	27.7	30.2	32.7	37.7	42.7	50.2	57.7	72.7
1.59	17	27	15.5	17.0	18.5	20.0	21.5	23.0	24.5	26.0	27.5	29.5	32.0	34.5	37.0	39.5	44.5	49.5	57.0	64.5	79.5
1.59	22	35	13.8	15.3	16.8	18.3	19.9	21.4	22.9	24.4	25.9	27.9	30.4	32.9	35.4	37.9	42.9	47.9	55.4	62.9	77.9
1.59	27	43	12.2	13.7	15.2	16.7	18.2	19.7	21.2	22.7	24.2	26.2	28.7	31.2	33.7	36.2	41.2	46.2	53.7	61.2	76.2
1.60	20	32	14.5	16.0	17.5	19.0	20.5	22.0	23.5	25.0	26.5	28.5	31.0	33.5	36.0	38.5	43.5	48.5	56.0	63.5	78.5
1.60	25	40	12.8	14.3	15.8	17.3	18.8	20.3	21.8	23.3	24.9	26.9	29.4	31.9	34.4	36.9	41.9	46.9	54.4	61.9	76.9
1.60	30	48	11.2	12.7	14.2	15.7	17.2	18.7	20.2	21.7	23.2	25.2	27.7	30.2	32.7	35.2	40.2	45.2	52.7	60.2	75.2
1.60	45	72	—	—	—	10.7	12.2	13.7	15.2	16.7	18.3	20.3	22.8	25.3	27.8	30.3	35.3	40.3	47.8	55.3	70.3
1.61	18	29	15.1	16.6	18.1	19.6	21.1	22.6	24.1	25.6	27.1	29.1	31.6	34.1	36.6	39.1	44.1	49.1	56.6	64.1	79.1
1.61	23	37	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.5	30.0	32.5	35.0	37.5	42.5	47.5	55.0	62.5	77.5
1.61	28	45	11.8	13.3	14.8	16.3	17.8	19.3	20.8	22.3	23.8	25.8	28.3	30.8	33.4	35.9	40.9	45.9	53.4	60.9	75.9
1.62	16	26	15.7	17.2	18.7	20.2	21.7	23.2	24.7	26.2	27.7	29.7	32.2	34.7	37.2	39.7	44.7	49.7	57.2	64.7	79.7
1.62	21	34	14.1	15.6	17.1	18.6	20.1	21.6	23.1	24.6	26.1	28.1	30.6	33.1	35.6	38.1	43.1	48.1	55.6	63.1	78.1
1.62	24	39	13.1	14.6	16.1	17.6	19.1	20.6	22.1	23.6	25.1	27.1	29.6	32.1	34.6	37.1	42.1	47.1	54.6	62.1	77.1
1.62	26	42	12.4	13.9	15.5	17.0	18.5	20.0	21.5	23.0	24.5	26.5	29.0	31.5	34.0	36.5	41.5	46.5	54.0	61.5	76.5
1.62	37	60	8.7	10.2	11.7	13.3	14.8	16.3	17.8	19.3	20.8	22.8	25.3	27.8	30.3	32.8	37.8	42.8	50.3	57.9	72.9
1.63	19	31	14.7	16.2	17.7	19.2	20.7	22.2	23.7	25.2	26.7	28.7	31.2	33.7	36.2	38.7	43.7	48.7	56.2	63.7	78.7
1.63	27	44	12.1	13.6	15.1	16.6	18.1	19.6	21.1	22.6	24.1	26.1	28.6	31.1	33.6	36.1	41.1	46.1	53.6	61.1	76.1
1.64	14	23	16.4	17.9	19.4	20.9	22.4	23.9	25.4	26.9	28.4	30.4	32.9	35.4	37.9	40.4	45.4	50.4	57.9	65.4	80.4
1.64	22	36	13.7	15.2	16.7	18.2	19.7	21.2	22.7	24.2	25.7	27.7	30.2	32.7	35.2	37.7	42.7	47.7	55.2	62.7	77.7
1.64	25	41	12.7	14.2	15.7	17.2	18.7	20.2	21.7	23.2	24.7	26.7	29.2	31.7	34.2	36.7	41.7	46.7	54.2	61.7	76.7
1.64	44	72	—	—	—	10.8	12.3	13.8	15.3	16.9	18.4	20.4	22.9	25.4	27.9	30.4	35.4	40.4	48.0	55.5	70.5
1.65	17	28	15.4	16.9	18.4	19.9	21.4	22.9	24.4	25.9	27.4	29.4	31.9	34.4	36.9	39.4	44.4	49.4	56.9	64.4	79.4
1.65	20	33	14.3	15.8	17.3	18.8	20.4	21.9	23.4	24.9	26.4	28.4	30.9	33.4	35.9	38.4	43.4	48.4	55.9	63.4	78.4
1.65	23	38	13.3	14.8	16.3	17.8	19.3	20.8	22.3	23.8	25.4	27.4	29.9	32.4	34.9	37.4	42.4	47.4	54.9	62.4	77.4
1.65	26	43	12.3	13.8	15.3	16.8	18.3	19.8	21.3	22.8	24.3	26.3	28.8	31.4	33.9	36.4	41.4	46.4	53.9	61.4	76.4
1.66	29	48	11.3	12.8	14.3	15.8	17.3	18.8	20.3	21.8	23.3	25.3	27.8	30.3	32.8	35.3	40.4	45.4	52.9	60.4	75.4
1.67	18	30	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.0	29.0	31.5	34.0	36.5	39.0	44.0	49.0	56.5	64.0	79.0
1.67	21	35	14.0	15.5	17.0	18.5	20.0	21.5	23.0	24.5	26.0	28.0	30.5	33.0	35.5	38.0	43.0	48.0	55.5	63.0	78.0
1.67	24	40	12.9	14.4	16.0	17.5	19.0	20.5	22.0	23.5	25.0	27.0	29.5	32.0	34.5	37.0	42.0	47.0	54.5	62.0	77.0
1.67	27	45	11.9	13.4	14.9	16.4	17.9	19.5	21.0	22.5	24.0	26.0	28.5	31.0	33.5	36.0	41.0	46.0	53.5	61.0	76.0
1.67	36	60	8.8	10.3	11.9	13.4	14.9	16.4	17.9	19.4	20.9	22.9	25.4	27.9	30.4	33.0	38.0	43.0	50.5	58.0	73.0
1.67	43	72	—	—	—	10.9	12.4	13.9	15.5	17.0	18.5	20.5	23.0	25.5	28.0	30.5	35.6	40.6	48.1	55.6	70.6
1.68	19	32	14.6	16.1	17.6	19.1	20.6	22.1	23.6	25.1	26.6	28.6	31.1	33.6	36.1	38.6	43.6	48.6	56.1	63.6	78.6
1.68	22	37	13.6	15.1	16.6	18.1	19.6	21.1	22.6	24.1	25.6	27.6	30.1	32.6	35.1	37.6	42.6	47.6	55.1	62.6	77.6
1.68	25	42	12.6	14.1	15.6	17.1	18.6	20.1	21.6	23.1	24.6	26.6	29.1	31.6	34.1	36.6	41.6	46.6	54.1	61.6	76.6
1.69	16	27	15.6	17.1	18.6	20.1	21.6	23.1	24.6	26.1	27.6	29.6	32.1	34.6	37.1	39.6	44.6	49.6	57.1	64.6	79.6
1.69	26	44	12.2	13.7	15.2	16.7	18.2	19.7	21.2	22.7	24.2	26.2	28.7	31.2	33.7	36.2	41.2	46.2	53.7	61.2	76.2
1.70	20	34	14.2	15.7	17.2	18.7	20.2	21.7	23.2	24.7	26.2	28.2	30.7	33.2	35.7	38.2	43.2	48.2	55.7	63.2	78.2
1.70	23	39	13.2	14.7	16.2	17.7	19.2	20.7	22.2	23.7	25.2	27.2	29.7	32.2	34.7	37.2	42.2	47.2	54.7	62.2	77.2
1.71	14	24	16.2	17.7	19.2	20.7	22.2	23.7	25.2	26.7	28.2	30.2	32.7	35.2	37.7	40.2	45.2	50.2	57.7	65.2	80.2
1.71	17	29	15.2	16.7	18.2	19.7	21.2	22.7	24.2	25.7	27.2	29.2	31.7	34.2	36.7	39.2	44.2	49.2	56.7	64.2	79.2
1.71	21	36	13.8	15.3	16.8	18.3	19.8	21.3	22.8	24.3	25.9	27.9	30.4	32.9	35.4	37.9	42.9	47.9	55.4	62.9	77.9
1.71	24	41	12.8	14.3	15.8	17.3	18.8	20.3	21.8	23.3	24.8	26.8	29.3	31.9	34.4	36.9	41.9	46.9	54.4	61.9	76.9
1.71	28	48	11.4	12.9	14.4	15.9	17.4	18.9	20.4	21.9	23.5	25.5	28.0	30.5	33.0	35.5	40.5	45.5	53.0	60.5	75.5
1.71	35	60	8.9	10.4	12.0	13.5	15.0	16.5	18.0	19.5	21.0	23.0	25.6	28.1	30.6	33.1	38.1	43.1	50.6	58.1	73.1
1.71	42	72	—	—	—	11.0	12.5	14.1	15.6	17.1	18.6	20.6	23.1	25.6	28.2	30.7	35.7	40.7	48.2	55.7	70.7
1.72	18	31	14.8	16.3	17.8	19.4	20.9	22.4	23.9	25.4	26.9	28.9	31.4	33.9	36.4	38.9	43.9	48.9	56.4	63.9	78.9
1.72	25	43	12.4	13.9	15.4	16.9	18.4	20.0	21.5	23.0	24.5	26.5	29.0	31.5	34.0	36.5	41.5	46.5	54.0	61.5	76.5
1.73	22	38	13.4	14.9	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.5	30.0	32.5	35.0	37.5	42.5	47.5	55.0	62.5	77.5
1.73	26	45	12.0	13.5	15.1	16.6	18.1	19.6	21.1	22.6	24.1	26.1	28.6	31.1	33.6	36.1	41.1	46.1	53.6	61.1	76.1
1.74	19	33	14.5	16.0	17.5	19.0	20.5	22.0	23.5	25.0	26.5	28.5	31.0	33.5	36.0	38.5	43.5	48.5	56.0	63.5	78.5
1.74	23	40	13.1	14.6	16.1	17.6	19.1	20.6	22.1	23.6	25.1	27.1	29.6	32.1	34.6	37.1	42.1	47.1	54.6	62.1	77.1
1.75	16	28	15.5	17.0	18.5	20.0	21.5	23.0	24.5	26.0	27.5	29.5	32.0	34.5	37.0	39.5	44.5	49.5	57.0	64.5	79.5
1.75	20	35	14.1	15.6	17.1	18.6	20.1	21.6	23.1	24.6	26.1	28.1	30.6	33.1	35.6	38.1	43.1	48.1	55.6	63.1	78.1
1.75	24	42	12.7	14.2	15.7	17.2	18.7	20.2	21.7	23.2	24.7	26.7	29.2	31.7	34.2	36.7	41.7	46.7	54.2	61.7	76.7
1.75	48	84	—	—	—	—	—	11.7	13.2	14.7	16.3	18.3	20.8	23.3	25.8	28.4	33.4	38.4	45.9	53.4	68.4
1.76	17	30	15.1	16.6	18.1	19.6	21.1	22.6	24.1	25.6	27.1	29.1	31.6	34.1	36.6	39.1	44.1	49.1	56.6	64.1	79.1
1.76	21	37	13.7	15.2	16.7	18.2	19.7	21.2	22.7	24.2	25.7	27.7	30.2	32.7	35.2	37.7	42.7	47.7	55.2	62.7	77.7
1.76	25	44	12.3	13.8	15.3	16.8	18.3	19.8	21.3	22.8	24.3	26.3	28.8	31.3	33.8	36.3	41.4	46.4	53.9	61.4	76.4
1.76	34	60	9.0	10.6	12.1	13.6	15.1	16.6	18.1	19.6	21.2	23.2	25.7	28.2	30.7	33.2	38.2	43.2	50.7	58.2	73.2
1.76	41	72	—	—	9.6	11.1	12.6	14.2	15.7	17.2	18.7	20.7	23.3	25.8	28.3	30.8	35.8	40.8	48.3	55.8	70.8
1.77	22	39	13.3	14.8	16.3	17.8	19.3	20.8	22.3	23.8	25.3	27.3	29.8	32.4	34.9	37.4	42.4	47.4	54.9	62.4	77.4
1.78	18	32	14.7	16.2	17.7	19.2	20.7	22.2	23.7	25.2	26.7	28.7	31.2	33.7	36.2	38.7	43.7	48.7	56.2	63.7	78.7
1.78	23	41	12.9	14.4	15.9	17.4	18.9	20.5	22.0	23.5	25.0	27.0	29.5	32.0	34.5	37.0	42.0	47.0	54.5	62.0	77.0
1.78	27	48	11.5	13.0	14.5	16.0	17.6	19.1	20.6	22.1	23.6	25.6	28.1	30.6	33.1	35.6	40.6	45.6	53.1	60.6	75.6
1.79	14	25	16.1	17.6	19.1	20.6	22.1	23.6	25.1	26.6	28.1	30.1	32.6	35.1	37.6	40.1	45.1	50.1	57.6	65.1	80.1
1.79	19	34	14.3	15.8	17.3	18.8	20.3	21.8	23.3	24.8	26.4	28.4	30.9	33.4	35.9	38.4	43.4	48.4	55.9	63.4	78.4
1.79	24	43	12.5	14.0	15.6	17.1	18.6	20.1	21.6	23.1	24.6	26.6	29.1	31.6	34.1	36.6	41.6	46.6	54.1	61.6	76.6
1.80	20	36	13.9	15.5	17.0	18.5	20.0	21.5	23.0	24.5	26.0	28.0	30.5	33.0	35.5	38.0	43.0	48.0	55.5	63.0	78.0
1.80	25	45	12.2	13.7	15.2	16.7	18.2	19.7	21.2	22.7	24.2	26.2	28.7	31.2	33.7	36.2	41.2	46.2	53.7	61.2	76.2
1.80	40	72	—	—	9.7	11.2	12.8	14.3	15.8	17.3	18.8	20.9	23.4	25.9	28.4	30.9	35.9	40.9	48.4	55.9	71.0

Center Distances shown are theoretical; manufacturing tolerances on belt lengths and pulley diameters can affect the actual center distance of a drive. Belt Numbers at the head of center distance columns indicate pitch length (multiplied by ten) and pitch. For example, a "450H" belt is 45 inches long and is for use with 1/2 inch pitch pulleys. This part number must be completed by adding the belt width, for example, adding 150 to this number (making the complete part number read "450H150") indicates that the belt is 1 1/2 inches wide.

When the center distance is 8 or more times the diameter of the small pulley or when drive operates on vertical shafts, both pulleys should be flanged.

Table No. 1

1/2″ Pitch Drive Table

Pulley Combination					Avail-able Belt Widths					Driven Speeds and Horsepower for 1" Wide belt						Nominal Center Distances Using Browning® Gearbelt®					
	Driver		Driven							3500 RPM Motor		1750 RPM Motor		1160 RPM Motor							
Nominal Ratio	Number Grooves	Pitch Dia.	Number Grooves	Pitch Dia.	075	100	150	200	300	Driven Speed	HP for 1" Belt	Driven Speed	HP for 1" Belt	Driven Speed	HP for 1" Belt	240 H	270 H	300 H	330 H	360 H	390 H
1.81	16	2.546	29	4.615	X	X	-	-	-	1934	*9.60	967	*4.91	641	3.27	6.3	7.8	9.3	10.8	12.3	13.8
1.81	21	3.342	38	6.048	X	X	-	-	-	1934	12.32	967	6.41	641	4.28	—	6.0	7.5	9.0	10.5	12.0
1.82	17	2.706	31	4.934	X	X	-	-	-	1923	*10.16	962	*5.21	637	3.47	5.9	7.4	8.9	10.4	12.0	13.5
1.82	22	3.501	40	6.366	X	X	X	X	X	1923	12.84	962	6.71	637	4.48	—	5.6	7.1	8.6	10.2	11.7
1.82	33	5.252	60	9.549	X	X	-	-	-	1923	17.80	962	9.88	637	6.67	—	—	—	—	—	13.9
1.83	18	2.865	33	5.252	X	X	-	-	-	1913	*10.71	956	5.51	634	3.68	5.5	7.0	8.5	10.1	11.6	13.1
1.83	23	3.661	42	6.685	X	X	-	-	-	1913	13.35	956	7.00	634	4.68	—	—	6.7	8.2	9.8	11.3
1.83	24	3.820	44	7.003	X	X	X	X	X	1913	13.84	956	7.30	634	4.88	—	—	6.3	7.8	9.4	10.9
1.84	19	3.024	35	5.570	X	X	-	-	-	1902	*11.26	951	5.81	630	3.88	5.1	6.6	8.2	9.7	11.2	12.7
1.85	20	3.183	37	5.889	X	X	-	-	-	1892	11.79	946	6.11	627	4.08	—	6.2	7.8	9.3	10.8	12.3
1.85	26	4.138	48	7.639	X	X	X	X	X	1892	14.81	946	7.88	627	5.28	—	—	—	7.0	8.6	10.1
1.85	39	6.207	72	11.459	X	X	-	-	-	1892	19.82	946	11.53	627	7.84	—	—	—	—	—	—
1.86	14	2.228	26	4.138	X	X	X	X	-	1882	*8.46	941	*4.31	624	*2.86	6.9	8.4	10.0	11.5	13.0	14.5
1.86	21	3.342	39	6.207	X	X	-	-	-	1882	12.32	941	6.41	624	4.28	—	5.8	7.4	8.9	10.4	11.9
1.86	22	3.501	41	6.525	X	X	-	-	-	1882	12.84	941	6.71	624	4.48	—	—	7.0	8.5	10.0	11.5
1.87	16	2.546	30	4.775	X	X	X	X	X	1872	*9.60	936	*4.91	620	3.27	6.2	7.7	9.2	10.7	12.2	13.7
1.87	23	3.661	43	6.844	X	X	-	-	-	1872	13.35	936	7.00	620	4.68	—	—	6.6	8.1	9.6	11.1
1.87	24	3.820	45	7.162	X	X	-	-	-	1872	13.84	936	7.30	620	4.88	—	—	6.2	7.7	9.2	10.7
1.87	32	5.093	60	9.549	X	X	X	X	X	1872	17.42	936	9.60	620	6.47	—	—	—	—	—	—
1.87	45	7.162	84	13.369	X	X	-	-	-	1872	—	936	13.09	620	8.99	—	—	—	—	—	—
1.88	17	2.706	32	5.093	X	X	X	X	X	1862	*10.16	931	*5.21	617	3.47	5.8	7.3	8.8	10.3	11.8	13.3
1.89	18	2.865	34	5.411	X	X	-	-	-	1852	*10.71	926	5.51	614	3.68	5.4	6.9	8.4	9.9	11.4	12.9
1.89	19	3.024	36	5.730	X	X	X	X	X	1852	*11.26	926	5.81	614	3.88	4.9	6.5	8.0	9.5	11.0	12.5
1.89	38	6.048	72	11.459	X	X	-	-	-	1852	19.52	926	11.26	614	7.65	—	—	—	—	—	—
1.90	20	3.183	38	6.048	X	X	-	-	-	1842	11.79	921	6.11	611	4.08	—	6.1	7.6	9.1	10.7	12.2
1.90	21	3.342	40	6.366	X	X	X	X	X	1842	12.32	921	6.41	611	4.28	—	5.7	7.2	8.7	10.3	11.8
1.91	22	3.501	42	6.685	X	X	-	-	-	1832	12.84	916	6.71	607	4.48	—	—	6.8	8.4	9.9	11.4
1.91	23	3.661	44	7.003	X	X	-	-	-	1832	13.35	916	7.00	607	4.68	—	—	6.4	8.0	9.5	11.0
1.91	44	7.003	84	13.369	X	X	X	X	X	1832	—	916	12.84	607	8.80	—	—	—	—	—	—
1.92	25	3.979	48	7.639	X	X	-	-	-	1823	14.33	911	7.59	604	5.08	—	—	—	7.1	8.7	10.2
1.93	14	2.228	27	4.297	X	X	-	-	-	1813	*8.46	907	*4.31	601	*2.86	6.8	8.3	9.8	11.3	12.8	14.3
1.94	16	2.546	31	4.934	X	X	-	-	-	1804	*9.60	902	*4.91	598	3.27	6.0	7.5	9.0	10.6	12.1	13.6
1.94	17	2.706	33	5.252	X	X	-	-	-	1804	*10.16	902	*5.21	598	3.47	5.6	7.1	8.7	10.2	11.7	13.2
1.94	18	2.865	35	5.570	X	X	-	-	-	1804	*10.71	902	5.51	598	3.68	5.2	6.7	8.3	9.8	11.3	12.8
1.94	31	4.934	60	9.549	X	X	-	-	-	1804	17.01	902	9.32	598	6.28	—	—	—	—	—	—
1.95	19	3.024	37	5.889	X	X	-	-	-	1795	*11.26	897	5.81	595	3.88	—	6.3	7.9	9.4	10.9	12.4
1.95	20	3.183	39	6.207	X	X	-	-	-	1795	11.79	897	6.11	595	4.08	—	5.9	7.5	9.0	10.5	12.0
1.95	21	3.342	41	6.525	X	X	-	-	-	1795	12.32	897	6.41	595	4.28	—	5.5	7.1	8.6	10.1	11.6
1.95	22	3.501	43	6.844	X	X	-	-	-	1795	12.84	897	6.71	595	4.48	—	—	6.7	8.2	9.7	11.2
1.95	37	5.889	72	11.459	X	X	-	-	-	1795	19.21	897	10.99	595	7.45	—	—	—	—	—	—
1.95	43	6.844	84	13.369	X	X	-	-	-	1795	—	897	12.58	595	8.61	—	—	—	—	—	—
1.96	23	3.661	45	7.162	X	X	-	-	-	1786	13.35	893	7.00	592	4.68	—	—	6.3	7.8	9.3	10.8
2.00	14	2.228	28	4.456	X	X	X	X	-	1750	*8.46	875	*4.31	580	*2.86	6.7	8.2	9.7	11.2	12.7	14.2
2.00	16	2.546	32	5.093	X	X	X	X	X	1750	*9.60	875	*4.91	580	3.27	5.9	7.4	8.9	10.4	11.9	13.4
2.00	17	2.706	34	5.411	X	X	-	-	-	1750	*10.16	875	*5.21	580	3.47	5.5	7.0	8.5	10.0	11.5	13.0
2.00	18	2.865	36	5.730	X	X	X	X	X	1750	*10.71	875	5.51	580	3.68	5.1	6.6	8.1	9.6	11.2	12.7
2.00	19	3.024	38	6.048	X	X	-	-	-	1750	*11.26	875	5.81	580	3.88	—	6.2	7.7	9.3	10.8	12.3
2.00	20	3.183	40	6.366	X	X	X	X	X	1750	11.79	875	6.11	580	4.08	—	5.8	7.3	8.9	10.4	11.9
2.00	21	3.342	42	6.685	X	X	-	-	-	1750	12.32	875	6.41	580	4.28	—	—	6.9	8.5	10.0	11.5
2.00	22	3.501	44	7.003	X	X	X	X	X	1750	12.84	875	6.71	580	4.48	—	—	6.5	8.1	9.6	11.1
2.00	24	3.820	48	7.639	X	X	X	X	X	1750	13.84	875	7.30	580	4.88	—	—	—	7.3	8.8	10.3
2.00	30	4.775	60	9.549	X	X	X	X	X	1750	16.60	875	9.03	580	6.08	—	—	—	—	—	—
2.00	36	5.730	72	11.459	X	X	X	X	X	1750	18.88	875	10.71	580	7.26	—	—	—	—	—	—
2.00	42	6.685	84	13.369	X	X	-	-	-	1750	—	875	12.32	580	8.42	—	—	—	—	—	—
2.00	48	7.639	96	15.279	X	X	X	X	X	1750	—	875	13.84	580	9.55	—	—	—	—	—	—
2.05	19	3.024	39	6.207	X	X	-	-	-	1707	*11.26	854	5.81	566	3.88	—	6.0	7.6	9.1	10.6	12.1
2.05	20	3.183	41	6.525	X	X	-	-	-	1707	11.79	854	6.11	566	4.08	—	5.6	7.2	8.7	10.2	11.7
2.05	21	3.342	43	6.844	X	X	-	-	-	1707	12.32	854	6.41	566	4.28	—	—	6.8	8.3	9.8	11.3
2.05	22	3.501	45	7.162	X	X	-	-	-	1707	12.84	854	6.71	566	4.48	—	—	6.4	7.9	9.5	11.0
2.05	41	6.525	84	13.369	X	X	-	-	-	1707	20.36	854	12.06	566	8.22	—	—	—	—	—	—
2.06	16	2.546	33	5.252	X	X	-	-	-	1699	*9.60	850	*4.91	563	3.27	5.7	7.3	8.8	10.3	11.8	13.3
2.06	17	2.706	35	5.570	X	X	-	-	-	1699	*10.16	850	*5.21	563	3.47	5.3	6.9	8.4	9.9	11.4	12.9
2.06	18	2.865	37	5.889	X	X	-	-	-	1699	*10.71	850	5.51	563	3.68	4.9	6.5	8.0	9.5	11.0	12.5
2.06	35	5.570	72	11.459	X	X	-	-	-	1699	18.54	850	10.44	563	7.06	—	—	—	—	—	—
2.07	14	2.228	29	4.615	X	X	-	-	-	1691	*8.46	845	*4.31	560	*2.86	6.5	8.0	9.6	11.1	12.6	13.1
2.07	29	4.615	60	9.549	X	X	-	-	-	1691	16.17	845	8.75	560	5.88	—	—	—	—	—	—
2.09	23	3.661	48	7.639	X	X	-	-	-	1675	13.35	837	7.00	555	4.68	—	—	—	7.4	8.9	10.4
2.10	20	3.183	42	6.685	X	X	-	-	-	1667	11.79	833	6.11	552	4.08	—	5.5	7.0	8.6	10.1	11.6
2.10	21	3.342	44	7.003	X	X	X	X	X	1667	12.32	833	6.41	552	4.28	—	—	6.6	8.2	9.7	11.2
2.10	40	6.366	84	13.369	X	X	X	X	X	1667	20.10	833	11.79	552	8.03	—	—	—	—	—	—
2.11	18	2.865	38	6.048	X	X	-	-	-	1659	*10.71	829	5.51	550	3.68	—	6.3	7.8	9.4	10.9	12.4
2.11	19	3.024	40	6.366	X	X	X	X	X	1659	*11.26	829	5.81	550	3.88	—	5.9	7.4	9.0	10.5	12.0

Horsepower Ratings shown in these tables are for a 1" wide belt. To find the belt width required, divide the **NORMAL RATING** (See Page E-21) of the drive by the Horsepower shown in the table above. The result is the "Effective Belt Width". Using this, or the next higher figure, determine the "Actual Belt Width" from the following table:

Effective Belt Width……..	**.42"**	**.57"**	**.71"**	**1.00"**	**1.29"**	**1.56"**	**2.14"**	**2.72"**	**3.36"**	**4.76"**	**6.15"**	**7.50"**	**10.32"**
Actual Belt Width……..	1/2	5/8	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8

*This rating is for a pulley below the minimum recommended on page E-22 and, therefore, a reduction in belt life should be expected.

Table No. 1

1/2″ Pitch Drive Table

Nominal Ratio	Pulley Combination		Nominal Center Distances using Browning® Gearbelt®																		
	Driver	Driven	420	450	480	510	540	570	600	630	660	700	750	800	850	900	1000	1100	1250	1400	1700
	Number Grooves	Number Grooves	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
1.81	16	29	15.3	16.8	18.3	19.9	21.4	22.9	24.4	25.9	27.4	29.4	31.9	34.4	36.9	39.4	44.4	49.4	56.9	64.4	79.4
1.81	21	38	13.6	15.1	16.6	18.1	19.6	21.1	22.6	24.1	25.6	27.6	30.1	32.6	35.1	37.6	42.6	47.6	55.1	62.6	77.6
1.82	17	31	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.0	29.0	31.5	34.0	36.5	39.0	44.0	49.0	56.5	64.0	79.0
1.82	22	40	13.2	14.7	16.2	17.7	19.2	20.7	22.2	23.7	25.2	27.2	29.7	32.2	34.7	37.2	42.2	47.2	54.7	62.2	77.2
1.82	33	60	9.1	10.7	12.2	13.7	15.2	16.7	18.3	19.8	21.3	23.3	25.8	28.3	30.8	33.3	38.3	43.3	50.8	58.3	73.3
1.83	18	33	14.6	16.1	17.6	19.1	20.6	22.1	23.6	25.1	26.6	28.6	31.1	33.6	36.1	38.6	43.6	48.6	56.1	63.6	78.6
1.83	23	42	12.8	14.3	15.8	17.3	18.8	20.3	21.8	23.3	24.8	26.8	29.3	31.8	34.3	36.8	41.9	46.9	54.4	61.9	76.9
1.83	24	44	12.4	13.9	15.4	16.9	18.4	19.9	21.4	22.9	24.5	26.5	29.0	31.5	34.0	36.5	41.5	46.5	54.0	61.5	76.5
1.84	19	35	14.2	15.7	17.2	18.7	20.2	21.7	23.2	24.7	26.2	28.2	30.7	33.2	35.7	38.2	43.2	48.2	55.7	63.2	78.2
1.85	20	37	13.8	15.3	16.8	18.3	19.8	21.3	22.8	24.3	25.8	27.8	30.3	32.9	35.4	37.9	42.9	47.9	55.4	62.9	77.9
1.85	26	48	11.6	13.1	14.7	16.2	17.7	19.2	20.7	22.2	23.7	25.7	28.2	30.7	33.2	35.7	40.7	45.7	53.2	60.7	75.7
1.85	39	72	—	—	9.8	11.3	12.9	14.4	15.9	17.4	19.0	21.0	23.5	26.0	28.5	31.0	36.0	41.0	48.6	56.1	71.1
1.86	14	26	16.0	17.5	19.0	20.5	22.0	23.5	25.0	26.5	28.0	30.0	32.5	35.0	37.5	40.0	45.0	50.0	57.5	65.0	80.0
1.86	21	39	13.4	14.9	16.4	17.9	19.5	21.0	22.5	24.0	25.5	27.5	30.0	32.5	35.0	37.5	42.5	47.5	55.0	62.5	77.5
1.86	22	41	13.0	14.6	16.1	17.6	19.1	20.6	22.1	23.6	25.1	27.1	29.6	32.1	34.6	37.1	42.1	47.1	54.6	62.1	77.1
1.87	16	30	15.2	16.7	18.2	19.7	21.2	22.7	24.2	25.7	27.2	29.2	31.7	34.2	36.7	39.2	44.2	49.2	56.7	64.2	79.2
1.87	23	43	12.7	14.2	15.7	17.2	18.7	20.2	21.7	23.2	24.7	26.7	29.2	31.7	34.2	36.7	41.7	46.7	54.2	61.7	76.7
1.87	24	45	12.3	13.8	15.3	16.8	18.3	19.8	21.3	22.8	24.3	26.3	28.8	31.3	33.8	36.3	41.3	46.3	53.9	61.4	76.4
1.87	32	60	9.2	10.8	12.3	13.8	15.3	16.9	18.4	19.9	21.4	23.4	25.9	28.4	30.9	33.4	38.4	43.4	51.0	58.5	73.5
1.87	45	84	—	—	—	—	—	12.0	13.5	15.1	16.6	18.6	21.2	23.7	26.2	28.7	33.7	38.8	46.3	53.8	68.8
1.88	17	32	14.8	16.3	17.8	19.3	20.8	22.3	23.8	25.4	26.9	28.9	31.4	33.9	36.4	38.9	43.9	48.9	56.4	63.9	78.9
1.89	18	34	14.4	16.0	17.5	19.0	20.5	22.0	23.5	25.0	26.5	28.5	31.0	33.5	36.0	38.5	43.5	48.5	56.0	63.5	78.5
1.89	19	36	14.1	15.6	17.1	18.6	20.1	21.6	23.1	24.6	26.1	28.1	30.6	33.1	35.6	38.1	43.1	48.1	55.6	63.1	78.1
1.89	38	72	—	—	9.9	11.4	13.0	14.5	16.0	17.5	19.1	21.1	23.6	26.1	28.6	31.1	36.2	41.2	48.7	56.2	71.2
1.90	20	38	13.7	15.2	16.7	18.2	19.7	21.2	22.7	24.2	25.7	27.7	30.2	32.7	35.2	37.7	42.7	47.7	55.2	62.7	77.7
1.90	21	40	13.3	14.8	16.3	17.8	19.3	20.8	22.3	23.8	25.3	27.3	29.8	32.3	34.8	37.3	42.4	47.4	54.9	62.4	77.4
1.91	22	42	12.9	14.4	15.9	17.4	18.9	20.4	21.9	23.5	25.0	27.0	29.5	32.0	34.5	37.0	42.0	47.0	54.5	62.0	77.0
1.91	23	44	12.5	14.0	15.5	17.0	18.6	20.1	21.6	23.1	24.6	26.6	29.1	31.6	34.1	36.6	41.6	46.6	54.1	61.6	76.6
1.91	44	84	—	—	—	—	—	12.1	13.6	15.2	16.7	18.7	21.3	23.8	26.3	28.8	33.9	38.9	46.4	53.9	68.9
1.92	25	48	11.7	13.3	14.8	16.3	17.8	19.3	20.8	22.3	23.8	25.8	28.3	30.8	33.3	35.8	40.8	45.8	53.3	60.9	75.9
1.93	14	27	15.8	17.3	18.8	20.4	21.9	23.4	24.9	26.4	27.9	29.9	32.4	34.9	37.4	39.9	44.9	49.9	57.4	64.9	79.9
1.94	16	31	15.1	16.6	18.1	19.6	21.1	22.6	24.1	25.6	27.1	29.1	31.6	34.1	36.6	39.1	44.1	49.1	56.6	64.1	79.1
1.94	17	33	14.7	16.2	17.7	19.2	20.7	22.2	23.7	25.2	26.7	28.7	31.2	33.7	36.2	38.7	43.7	48.7	56.2	63.7	78.7
1.94	18	35	14.3	15.8	17.3	18.8	20.3	21.8	23.3	24.8	26.3	28.3	30.8	33.4	35.9	38.4	43.4	48.4	55.9	63.4	78.4
1.94	31	60	9.3	10.9	12.4	13.9	15.5	17.0	18.5	20.0	21.5	23.5	26.0	28.5	31.0	33.6	38.6	43.6	51.1	58.6	73.6
1.95	19	37	13.9	15.4	16.9	18.4	20.0	21.5	23.0	24.5	26.0	28.0	30.5	33.0	35.5	38.0	43.0	48.0	55.5	63.0	78.0
1.95	20	39	13.5	15.1	16.6	18.1	19.6	21.1	22.6	24.1	25.6	27.6	30.1	32.6	35.1	37.6	42.6	47.6	55.1	62.6	77.6
1.95	21	41	13.2	14.7	16.2	17.7	19.2	20.7	22.2	23.7	25.2	27.2	29.7	32.2	34.7	37.2	42.2	47.2	54.7	62.2	77.2
1.95	22	43	12.8	14.3	15.8	17.3	18.8	20.3	21.8	23.3	24.8	26.8	29.3	31.8	34.3	36.8	41.8	46.8	54.4	61.9	76.9
1.95	37	72	—	—	—	10.0	11.5	13.1	14.6	16.1	17.7	19.2	21.2	23.7	26.2	28.7	31.3	36.3	41.3	48.8	56.3	71.3
1.95	43	84	—	—	—	—	10.6	12.2	13.7	15.3	16.8	18.9	21.4	23.9	26.4	28.9	34.0	39.0	46.5	54.0	69.1
1.96	23	45	12.4	13.9	15.4	16.9	18.4	19.9	21.4	22.9	24.4	26.4	29.0	31.5	34.0	36.5	41.5	46.5	54.0	61.5	76.5
2.00	14	28	15.7	17.2	18.7	20.2	21.7	23.2	24.7	26.2	27.7	29.7	32.2	34.7	37.2	39.7	44.7	49.7	57.2	64.7	79.7
2.00	16	32	14.9	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.0	29.0	31.5	34.0	36.5	39.0	44.0	49.0	56.5	64.0	79.0
2.00	17	34	14.6	16.1	17.6	19.1	20.6	22.1	23.6	25.1	26.6	28.6	31.1	33.6	36.1	38.6	43.6	48.6	56.1	63.6	78.6
2.00	18	36	14.2	15.7	17.2	18.7	20.2	21.7	23.2	24.7	26.2	28.2	30.7	33.2	35.7	38.2	43.2	48.2	55.7	63.2	78.2
2.00	19	38	13.8	15.3	16.8	18.3	19.8	21.3	22.8	24.3	25.8	27.8	30.3	32.8	35.3	37.8	42.9	47.9	55.4	62.9	77.9
2.00	20	40	13.4	14.9	16.4	17.9	19.4	20.9	22.4	24.0	25.5	27.5	30.0	32.5	35.0	37.5	42.5	47.5	55.0	62.5	77.5
2.00	21	42	13.0	14.5	16.0	17.5	19.1	20.6	22.1	23.6	25.1	27.1	29.6	32.1	34.6	37.1	42.1	47.1	54.6	62.1	77.1
2.00	22	44	12.6	14.1	15.7	17.2	18.7	20.2	21.7	23.2	24.7	26.7	29.2	31.7	34.2	36.7	41.7	46.7	54.2	61.7	76.7
2.00	24	48	11.9	13.4	14.9	16.4	17.9	19.4	20.9	22.4	23.9	25.9	28.4	30.9	33.5	36.0	41.0	46.0	53.5	61.0	76.0
2.00	30	60	9.5	11.0	12.5	14.1	15.6	17.1	18.6	20.1	21.6	23.6	26.1	28.7	31.2	33.7	38.7	43.7	51.2	58.7	73.7
2.00	36	72	—	—	10.1	11.7	13.2	14.7	16.3	17.8	19.3	21.3	23.8	26.4	28.9	31.4	36.4	41.4	48.9	56.4	71.4
2.00	42	84	—	—	—	—	10.7	12.3	13.9	15.4	16.9	19.0	21.5	24.0	26.5	29.1	34.1	39.1	46.6	54.2	69.2
2.00	48	96	—	—	—	—	—	—	—	12.9	14.5	16.6	19.1	21.7	24.2	26.7	31.8	36.8	44.3	51.9	66.9
2.05	19	39	13.7	15.2	16.7	18.2	19.7	21.2	22.7	24.2	25.7	27.7	30.2	32.7	35.2	37.7	42.7	47.7	55.2	62.7	77.7
2.05	20	41	13.3	14.8	16.3	17.8	19.3	20.8	22.3	23.8	25.3	27.3	29.8	32.3	34.8	37.3	42.3	47.3	54.9	62.4	77.4
2.05	21	43	12.9	14.4	15.9	17.4	18.9	20.4	21.9	23.4	24.9	26.9	29.5	32.0	34.5	37.0	42.0	47.0	54.5	62.0	77.0
2.05	22	45	12.5	14.0	15.5	17.0	18.5	20.0	21.6	23.1	24.6	26.6	29.1	31.6	34.1	36.6	41.6	46.6	54.1	61.6	76.6
2.05	41	84	—	—	—	—	10.8	12.4	14.0	15.5	17.0	19.1	21.6	24.1	26.7	29.2	34.2	39.2	46.8	54.3	69.3
2.06	16	33	14.8	16.3	17.8	19.3	20.8	22.3	23.8	25.3	26.8	28.8	31.3	33.9	36.4	38.9	43.9	48.9	56.4	63.9	78.9
2.06	17	35	14.4	15.9	17.4	18.9	20.5	22.0	23.5	25.0	26.5	28.5	31.0	33.5	36.0	38.5	43.5	48.5	56.0	63.5	78.5
2.06	18	37	14.0	15.6	17.1	18.6	20.1	21.6	23.1	24.6	26.1	28.1	30.6	33.1	35.6	38.1	43.1	48.1	55.6	63.1	78.1
2.06	35	72	—	—	10.2	11.8	13.3	14.8	16.4	17.9	19.4	21.4	24.0	26.5	29.0	31.5	36.5	41.5	49.0	56.6	71.6
2.07	14	29	15.6	17.1	18.6	20.1	21.6	23.1	24.6	26.1	27.6	29.6	32.1	34.6	37.1	39.6	44.6	49.6	57.1	64.6	79.6
2.07	29	60	9.6	11.1	12.6	14.2	15.7	17.2	18.7	20.2	21.7	23.8	26.3	28.8	31.3	33.8	38.8	43.8	51.3	58.8	73.8
2.09	23	48	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	26.1	28.6	31.1	33.6	36.1	41.1	46.1	53.6	61.1	76.1
2.10	20	42	13.1	14.6	16.2	17.7	19.2	20.7	22.2	23.7	25.2	27.2	29.7	32.2	34.7	37.2	42.2	47.2	54.7	62.2	77.2
2.10	21	44	12.7	14.3	15.8	17.3	18.8	20.3	21.8	23.3	24.8	26.8	29.3	31.8	34.3	36.8	41.8	46.8	54.3	61.9	76.9
2.10	40	84	—	—	—	—	10.9	12.5	14.1	15.6	17.2	19.2	21.7	24.3	26.8	29.3	34.3	39.4	46.9	54.4	69.4
2.11	18	38	13.9	15.4	16.9	18.4	19.9	21.4	22.9	24.5	26.0	28.0	30.5	33.0	35.5	38.0	43.0	48.0	55.5	63.0	78.0
2.11	19	40	13.5	15.0	16.5	18.1	19.6	21.1	22.6	24.1	25.6	27.6	30.1	32.6	35.1	37.6	42.6	47.6	55.1	62.6	77.6

Center Distances shown are theoretical; manufacturing tolerances on belt lengths and pulley diameters can affect the actual center distance of a drive. Belt Numbers at the head of center distance columns indicate pitch length (multiplied by ten) and pitch. For example, a "450H" belt is 45 inches long and is for use with 1/2 inch pitch pulleys. This part number must be completed by adding the belt width, for example, adding 150 to this number (making the complete part number read "450H150") indicates that the belt is 1 1/2 inches wide.

When the center distance is 8 or more times the diameter of the small pulley or when drive operates on vertical shafts, both pulleys should be flanged.

Table No. 1

1/2″ Pitch Drive Table

Nominal Ratio	Pulley Combination: Driver Number Grooves	Driver Pitch Dia.	Driven Number Grooves	Driven Pitch Dia.	Available Belt Widths: 075	100	150	200	300	Driven Speeds and Horsepower for 1" Wide belt: 3500 RPM Motor Driven Speed	3500 RPM Motor HP for 1" Belt	1750 RPM Motor Driven Speed	1750 RPM Motor HP for 1" Belt	1160 RPM Motor Driven Speed	1160 RPM Motor HP for 1" Belt	Nominal Center Distances Using Browning® Gearbelt®: 240 H	270 H	300 H	330 H	360 H	390 H
2.12	16	2.546	34	5.411	X	X	-	-	-	1651	*9.60	825	*4.91	547	3.27	5.6	7.1	8.6	10.2	11.7	13.2
2.12	17	2.706	36	5.730	X	X	X	X	X	1651	*10.16	825	*5.21	547	3.47	5.2	6.7	8.2	9.8	11.3	12.8
2.12	34	5.411	72	11.459	X	X	-	-	-	1651	18.18	825	10.16	547	6.87	—	—	—	—	—	—
2.13	45	7.162	96	15.279	X	X	-	-	-	1643	—	822	13.09	545	8.99	—	—	—	—	—	—
2.14	14	2.228	30	4.775	X	X	X	X	-	1636	*8.46	818	*4.31	542	*2.86	6.4	7.9	9.4	10.9	12.4	13.0
2.14	21	3.342	45	7.162	X	X	-	-	-	1636	12.32	818	6.41	542	4.28	—	—	6.5	8.0	9.6	11.1
2.14	28	4.456	60	9.549	X	X	X	X	X	1636	15.73	818	8.46	542	5.68	—	—	—	—	—	—
2.15	20	3.183	43	6.844	X	X	-	-	-	1628	11.79	814	6.11	540	4.08	—	—	6.9	8.4	10.0	11.5
2.15	39	6.207	84	13.369	X	X	-	-	-	1628	19.82	814	11.53	540	7.84	—	—	—	—	—	—
2.16	19	3.024	41	6.525	X	X	-	-	-	1620	*11.26	810	5.81	537	3.88	—	5.7	7.3	8.8	10.4	11.9
2.17	18	2.865	39	6.207	X	X	-	-	-	1613	*10.71	806	5.51	535	3.68	—	6.2	7.7	9.2	10.7	12.2
2.18	17	2.706	37	5.889	X	X	-	-	-	1606	*10.16	803	*5.21	532	3.47	5.0	6.6	8.1	9.6	11.1	12.6
2.18	22	3.501	48	7.639	X	X	X	X	X	1606	12.84	803	6.71	532	4.48	—	—	—	7.5	9.0	10.5
2.18	33	5.252	72	11.459	X	X	-	-	-	1606	17.80	803	9.88	532	6.67	—	—	—	—	—	—
2.18	44	7.003	96	15.279	X	X	X	X	X	1606	—	803	12.84	532	8.80	—	—	—	—	—	—
2.19	16	2.546	35	5.570	X	X	-	-	-	1598	*9.60	799	*4.91	530	3.27	5.4	7.0	8.5	10.0	11.5	13.0
2.20	20	3.183	44	7.003	X	X	X	X	X	1591	11.79	795	6.11	527	4.08	—	—	6.7	8.3	9.8	11.3
2.21	14	2.228	31	4.934	X	X	-	-	-	1584	*8.46	792	*4.31	525	*2.86	6.2	7.8	9.3	10.8	12.3	13.8
2.21	19	3.024	42	6.685	X	X	-	-	-	1584	*11.26	792	5.81	525	3.88	—	5.6	7.1	8.7	10.2	11.7
2.21	38	6.048	84	13.369	X	X	-	-	-	1584	19.52	792	11.26	525	7.65	—	—	—	—	—	—
2.22	18	2.865	40	6.366	X	X	X	X	X	1577	*10.71	788	5.51	523	3.68	—	6.0	7.6	9.1	10.6	12.1
2.22	27	4.297	60	9.549	X	X	-	-	-	1577	15.27	788	8.17	523	5.48	—	—	—	—	—	—
2.23	43	6.844	96	15.279	X	X	-	-	-	1570	—	785	12.58	520	8.61	—	—	—	—	—	—
2.24	17	2.706	38	6.048	X	X	-	-	-	1563	*10.16	781	*5.21	518	3.47	—	6.4	8.0	9.5	11.0	12.5
2.25	16	2.546	36	5.730	X	X	X	X	X	1556	*9.60	778	*4.91	516	3.27	5.3	6.8	8.4	9.9	11.4	12.9
2.25	20	3.183	45	7.162	X	X	-	-	-	1556	11.79	778	6.11	516	4.08	—	—	6.6	8.1	9.7	11.2
2.25	32	5.093	72	11.459	X	X	X	X	X	1556	17.42	778	9.60	516	6.47	—	—	—	—	—	—
2.26	19	3.024	43	6.844	X	X	-	-	-	1549	*11.26	774	5.81	513	3.88	—	—	7.0	8.5	10.1	11.6
2.27	37	5.889	84	13.369	X	X	-	-	-	1542	19.21	771	10.99	511	7.45	—	—	—	—	—	—
2.28	18	2.865	41	6.525	X	X	-	-	-	1535	*10.71	768	5.51	509	3.68	—	5.8	7.4	8.9	10.5	12.0
2.29	14	2.228	32	5.093	X	X	X	X	-	1528	*8.46	764	*4.31	507	*2.86	6.1 ⑤	7.6	9.1	10.7	12.2	13.7
2.29	17	2.706	39	6.207	X	X	-	-	-	1528	*10.16	764	*5.21	507	3.47	—	6.3	7.8	9.3	10.9	12.4
2.29	21	3.342	48	7.639	X	X	X	X	X	1528	12.32	764	6.41	507	4.28	—	—	6.0	7.6	9.1	10.6
2.29	42	6.685	96	15.279	X	X	-	-	-	1528	—	764	12.32	507	8.42	—	—	—	—	—	—
2.31	16	2.546	37	5.889	X	X	-	-	-	1515	*9.60	758	*4.91	502	3.27	5.1	6.7	8.2	9.7	11.3	12.8
2.31	26	4.138	60	9.549	X	X	X	X	X	1515	14.81	758	7.88	502	5.28	—	—	—	—	—	—
2.32	19	3.024	44	7.003	X	X	X	X	X	1509	*11.26	754	5.81	500	3.88	—	—	6.8	8.4	9.9	11.4
2.32	31	4.934	72	11.459	X	X	-	-	-	1509	17.01	754	9.32	500	6.28	—	—	—	—	—	—
2.33	18	2.865	42	6.685	X	X	-	-	-	1502	*10.71	751	5.51	498	3.68	—	5.7	7.3	8.8	10.3	11.8
2.33	36	5.730	84	13.369	X	X	X	X	X	1502	18.88	751	10.71	498	7.26	—	—	—	—	—	—
2.34	41	6.525	96	15.279	X	X	-	-	-	1496	20.36	748	12.06	496	8.22	—	—	—	—	—	—
2.35	17	2.706	40	6.366	X	X	X	X	X	1489	*10.16	745	*5.21	494	3.47	—	6.1	7.7	9.2	10.7	12.2
2.36	14	2.228	33	5.252	X	X	-	-	-	1483	*8.46	742	*4.31	492	*2.86	5.9 ⑤	7.5	9.0	10.5	12.0	13.5
2.37	16	2.546	38	6.048	X	X	-	-	-	1477	*9.60	738	*4.91	489	3.27	4.9	6.5	8.1	9.6	11.1	12.6
2.37	19	3.024	45	7.162	X	X	-	-	-	1477	*11.26	738	5.81	489	3.88	—	—	6.7	8.2	9.8	11.3
2.39	18	2.865	43	6.844	X	X	-	-	-	1464	*10.71	732	5.51	485	3.68	—	5.5	7.1	8.7	10.2	11.7
2.40	20	3.183	48	7.639	X	X	X	X	X	1458	11.79	729	6.11	483	4.08	—	—	6.1	7.7	9.2	10.7
2.40	25	3.979	60	9.549	X	X	-	-	-	1458	14.33	729	7.59	483	5.08	—	—	—	—	—	—
2.40	30	4.775	72	11.459	X	X	X	X	X	1458	16.60	729	9.03	483	6.08	—	—	—	—	—	—
2.40	35	5.570	84	13.369	X	X	-	-	-	1458	18.54	729	10.44	483	7.06	—	—	—	—	—	—
2.40	40	6.366	96	15.279	X	X	X	X	X	1458	20.10	729	11.79	483	8.03	—	—	—	—	—	—
2.41	17	2.706	41	6.525	X	X	-	-	-	1452	*10.16	726	*5.21	481	3.47	—	5.9	7.5	9.1	10.6	12.1
2.43	14	2.228	34	5.411	X	X	-	-	-	1440	*8.46	720	*4.31	477	*2.86	5.8 ⑤	7.3	8.9	10.4	11.9	13.4
2.44	16	2.546	39	6.207	X	X	-	-	-	1434	*9.60	717	*4.91	475	3.27	—	6.4	7.9	9.5	11.0	12.5
2.44	18	2.865	44	7.003	X	X	X	X	X	1434	*10.71	717	5.51	475	3.68	—	—	6.9	8.5	10.0	11.5
2.46	39	6.207	96	15.279	X	X	-	-	-	1423	19.82	711	11.53	472	7.84	—	—	—	—	—	—
2.47	17	2.706	42	6.685	X	X	-	-	-	1417	*10.16	709	*5.21	470	3.47	—	5.8	7.4	8.9	10.4	11.9
2.47	34	5.411	84	13.369	X	X	-	-	-	1417	18.18	709	10.16	470	6.87	—	—	—	—	—	—
2.48	29	4.615	72	11.459	X	X	-	-	-	1411	16.17	706	8.75	468	5.88	—	—	—	—	—	—
2.50	14	2.228	35	5.570	X	X	-	-	-	1400	*8.46	700	*4.31	464	*2.86	5.6 ⑤	7.2 ⑤	8.7	10.2	11.8	13.3
2.50	16	2.546	40	6.366	X	X	X	X	X	1400	*9.60	700	*4.91	464	3.27	—	6.2	7.8	9.3	10.8	12.3
2.50	18	2.865	45	7.162	X	X	-	-	-	1400	*10.71	700	5.51	464	3.68	—	—	6.8	8.4	9.9	11.4
2.50	24	3.820	60	9.549	X	X	X	X	X	1400	13.84	700	7.30	464	4.88	—	—	—	—	—	—
2.50	48	7.639	120	19.099	X	X	X	X	X	1400	—	700	13.84	464	9.55	—	—	—	—	—	—
2.53	17	2.706	43	6.844	X	X	-	-	-	1383	*10.16	692	*5.21	458	3.47	—	5.6	7.2	8.8	10.3	11.8
2.53	19	3.024	48	7.639	X	X	X	X	X	1383	*11.26	692	5.81	458	3.88	—	—	6.2	7.8	9.3	10.8
2.53	38	6.048	96	15.279	X	X	-	-	-	1383	19.52	692	11.26	458	7.65	—	—	—	—	—	—
2.55	33	5.252	84	13.369	X	X	-	-	-	1373	17.80	686	9.88	455	6.67	—	—	—	—	—	—
2.56	16	2.546	41	6.525	X	X	-	-	-	1367	*9.60	684	*4.91	453	3.27	—	6.1	7.6	9.2	10.7	12.2
2.57	14	2.228	36	5.730	X	X	X	X	-	1362	*8.46	681	*4.31	451	*2.86	5.5 ⑤	7.0 ⑤	8.6	10.1	11.6	13.1
2.57	28	4.456	72	11.459	X	X	X	X	X	1362	15.73	681	8.46	451	5.68	—	—	—	—	—	—
2.59	17	2.706	44	7.003	X	X	X	X	X	1351	*10.16	676	*5.21	448	3.47	—	5.5	7.1	8.6	10.2	11.7

Horsepower Ratings shown in these tables are for a 1" wide belt. To find the belt width required, divide the **NORMAL RATING** (See Page E-21) of the drive by the Horsepower shown in the table above. The result is the "Effective Belt Width". Using this, or the next higher figure, determine the "Actual Belt Width" from the following table:

Effective Belt Width.....	**.42"**	**.57"**	**.71"**	**1.00"**	**1.29"**	**1.56"**	**2.14"**	**2.72"**	**3.36"**	**4.76"**	**6.15"**	**7.50"**	**10.32"**
Actual Belt Width.....	1/2	5/8	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8

*This rating is for a pulley below the minimum recommended on page E-22 and, therefore, a reduction in belt life should be expected.

When the center distance for a specific pulley and belt combination is followed by a number in a circle, the horsepower for one inch wide belt must be multiplied by factor at right:

Teeth in Mesh	Factor
⑤	**.80**
④	**.60**
③	**.40**

Table No. 1

1/2″ Pitch Drive Table

Nominal Ratio	Pulley Combination Driver Number Grooves	Pulley Combination Driven Number Grooves	Nominal Center Distances using Browning® Gearbelt® 420 H	450 H	480 H	510 H	540 H	570 H	600 H	630 H	660 H	700 H	750 H	800 H	850 H	900 H	1000 H	1100 H	1250 H	1400 H	1700 H
2.12	16	34	14.7	16.2	17.7	19.2	20.7	22.2	23.7	25.2	26.7	28.7	31.2	33.7	36.2	38.7	43.7	48.7	56.2	63.7	78.7
2.12	17	36	14.3	15.8	17.3	18.8	20.3	21.8	23.3	24.8	26.3	28.3	30.8	33.3	35.8	38.3	43.4	48.4	55.9	63.4	78.4
2.12	34	72	—	—	10.3	11.9	13.4	15.0	16.5	18.0	19.5	21.5	24.1	26.6	29.1	31.6	36.6	41.6	49.2	56.7	71.7
2.13	45	96	—	—	—	—	—	—	—	13.3	14.8	16.9	19.5	22.0	24.5	27.1	32.1	37.2	44.7	52.2	67.3
2.14	14	30	15.5	17.0	18.5	20.0	21.5	23.0	24.5	26.0	27.5	29.5	32.0	34.5	37.0	39.5	44.5	49.5	57.0	64.5	79.5
2.14	21	45	12.6	14.1	15.6	17.1	18.7	20.2	21.7	23.2	24.7	26.7	29.2	31.7	34.2	36.7	41.7	46.7	54.2	61.7	76.7
2.14	28	60	9.7	11.2	12.8	14.3	15.8	17.3	18.8	20.3	21.9	23.9	26.4	28.9	31.4	33.9	38.9	43.9	51.4	59.0	74.0
2.15	20	43	13.0	14.5	16.0	17.5	19.0	20.5	22.1	23.6	25.1	27.1	29.6	32.1	34.6	37.1	42.1	47.1	54.6	62.1	77.1
2.15	39	84	—	—	—	—	11.1	12.6	14.2	15.7	17.3	19.3	21.8	24.4	26.9	29.4	34.4	39.5	47.0	54.5	69.5
2.16	19	41	13.4	14.9	16.4	17.9	19.4	20.9	22.4	23.9	25.4	27.4	30.0	32.5	35.0	37.5	42.5	47.5	55.0	62.5	77.5
2.17	18	39	13.8	15.3	16.8	18.3	19.8	21.3	22.8	24.3	25.8	27.8	30.3	32.8	35.3	37.8	42.8	47.8	55.4	62.9	77.9
2.18	17	37	14.2	15.7	17.2	18.7	20.2	21.7	23.2	24.7	26.2	28.2	30.7	33.2	35.7	38.2	43.2	48.2	55.7	63.2	78.2
2.18	22	48	12.1	13.6	15.1	16.6	18.1	19.6	21.2	22.7	24.2	26.2	28.7	31.2	33.7	36.2	41.2	46.2	53.7	61.2	76.2
2.18	33	72	—	—	10.4	12.0	13.5	15.1	16.6	18.1	19.6	21.7	24.2	26.7	29.2	31.7	36.8	41.8	49.3	56.8	71.8
2.18	44	96	—	—	—	—	—	—	11.8	13.4	14.9	17.0	19.6	22.1	24.7	27.2	32.2	37.3	44.8	52.3	67.4
2.19	16	35	14.5	16.1	17.6	19.1	20.6	22.1	23.6	25.1	26.6	28.6	31.1	33.6	36.1	38.6	43.6	48.6	56.1	63.6	78.6
2.20	20	44	12.9	14.4	15.9	17.4	18.9	20.4	21.9	23.4	24.9	26.9	29.4	31.9	34.5	37.0	42.0	47.0	54.5	62.0	77.0
2.21	14	31	15.3	16.8	18.3	19.8	21.3	22.8	24.3	25.8	27.3	29.3	31.8	34.4	36.9	39.4	44.4	49.4	56.9	64.4	79.4
2.21	19	42	13.3	14.8	16.3	17.8	19.3	20.8	22.3	23.8	25.3	27.3	29.8	32.3	34.8	37.3	42.3	47.3	54.8	62.4	77.4
2.21	38	84	—	—	—	—	11.2	12.7	14.3	15.8	17.4	19.4	22.0	24.5	27.0	29.5	34.6	39.6	47.1	54.6	69.7
2.22	18	40	13.6	15.2	16.7	18.2	19.7	21.2	22.7	24.2	25.7	27.7	30.2	32.7	35.2	37.7	42.7	47.7	55.2	62.7	77.7
2.22	27	60	9.8	11.3	12.9	14.4	15.9	17.4	18.9	20.5	22.0	24.0	26.5	29.0	31.5	34.0	39.0	44.1	51.6	59.1	74.1
2.23	43	96	—	—	—	—	—	—	11.9	13.5	15.0	17.1	19.7	22.2	24.8	27.3	32.4	37.4	44.9	52.5	67.5
2.24	17	38	14.0	15.5	17.0	18.6	20.1	21.6	23.1	24.6	26.1	28.1	30.6	33.1	35.6	38.1	43.1	48.1	55.6	63.1	78.1
2.25	16	36	14.4	15.9	17.4	18.9	20.4	21.9	23.4	25.0	26.5	28.5	31.0	33.5	36.0	38.5	43.5	48.5	56.0	63.5	78.5
2.25	20	45	12.7	14.2	15.8	17.3	18.8	20.3	21.8	23.3	24.8	26.8	29.3	31.8	34.3	36.8	41.8	46.8	54.3	61.8	76.9
2.25	32	72	—	8.9	10.5	12.1	13.6	15.2	16.7	18.2	19.8	21.8	24.3	26.8	29.3	31.8	36.9	41.9	49.4	56.9	71.9
2.26	19	43	13.1	14.6	16.1	17.7	19.2	20.7	22.2	23.7	25.2	27.2	29.7	32.2	34.7	37.2	42.2	47.2	54.7	62.2	77.2
2.27	37	84	—	—	—	—	11.3	12.8	14.4	15.9	17.5	19.5	22.1	24.6	27.1	29.6	34.7	39.7	47.2	54.8	69.8
2.28	18	41	13.5	15.0	16.5	18.0	19.5	21.0	22.6	24.1	25.6	27.6	30.1	32.6	35.1	37.6	42.6	47.6	55.1	62.6	77.6
2.29	14	32	15.2	16.7	18.2	19.7	21.2	22.7	24.2	25.7	27.2	29.2	31.7	34.2	36.7	39.2	44.2	49.2	56.7	64.2	79.2
2.29	17	39	13.9	15.4	16.9	18.4	19.9	21.4	22.9	24.4	25.9	27.9	30.5	33.0	35.5	38.0	43.0	48.0	55.5	63.0	78.0
2.29	21	48	12.2	13.7	15.2	16.7	18.3	19.8	21.3	22.8	24.3	26.3	28.8	31.3	33.8	36.3	41.3	46.3	53.8	61.3	76.3
2.29	42	96	—	—	—	—	—	—	12.0	13.6	15.2	17.2	19.8	22.3	24.9	27.4	32.5	37.5	45.1	52.6	67.6
2.31	16	37	14.3	15.8	17.3	18.8	20.3	21.8	23.3	24.8	26.3	28.3	30.8	33.3	35.8	38.3	43.3	48.3	55.9	63.4	78.4
2.31	26	60	9.9	11.4	13.0	14.5	16.0	17.5	19.1	20.6	22.1	24.1	26.6	29.1	31.6	34.1	39.2	44.2	51.7	59.2	74.2
2.32	19	44	13.0	14.5	16.0	17.5	19.0	20.5	22.0	23.5	25.0	27.1	29.6	32.1	34.6	37.1	42.1	47.1	54.6	62.1	77.1
2.32	31	72	—	9.0	10.6	12.2	13.7	15.3	16.8	18.3	19.9	21.9	24.4	26.9	29.5	32.0	37.0	42.0	49.5	57.0	72.1
2.33	18	42	13.4	14.9	16.4	17.9	19.4	20.9	22.4	23.9	25.4	27.4	29.9	32.4	35.0	37.5	42.5	47.5	55.0	62.5	77.5
2.33	36	84	—	—	—	—	11.4	12.9	14.5	16.1	17.6	19.6	22.2	24.7	27.2	29.8	34.8	39.8	47.4	54.9	69.9
2.34	41	96	—	—	—	—	—	—	12.1	13.7	15.3	17.3	19.9	22.5	25.0	27.5	32.6	37.6	45.2	52.7	67.7
2.35	17	40	13.8	15.3	16.8	18.3	19.8	21.3	22.8	24.3	25.8	27.8	30.3	32.8	35.3	37.8	42.8	47.8	55.3	62.9	77.9
2.36	14	33	15.1	16.6	18.1	19.6	21.1	22.6	24.1	25.6	27.1	29.1	31.6	34.1	36.6	39.1	44.1	49.1	56.6	64.1	79.1
2.37	16	38	14.1	15.7	17.2	18.7	20.2	21.7	23.2	24.7	26.2	28.2	30.7	33.2	35.7	38.2	43.2	48.2	55.7	63.2	78.2
2.37	19	45	12.8	14.4	15.9	17.4	18.9	20.4	21.9	23.4	24.9	26.9	29.4	31.9	34.4	36.9	42.0	47.0	54.5	62.0	77.0
2.39	18	43	13.2	14.7	16.3	17.8	19.3	20.8	22.3	23.8	25.3	27.3	29.8	32.3	34.8	37.3	42.3	47.3	54.8	62.3	77.4
2.40	20	48	12.3	13.8	15.3	16.9	18.4	19.9	21.4	22.9	24.4	26.4	28.9	31.4	33.9	36.4	41.4	46.5	54.0	61.5	76.5
2.40	25	60	10.0	11.5	13.1	14.6	16.1	17.7	19.2	20.7	22.2	24.2	26.7	29.2	31.8	34.3	39.3	44.3	51.8	59.3	74.3
2.40	30	72	—	9.1	10.7	12.3	13.9	15.4	16.9	18.5	20.0	22.0	24.5	27.0	29.6	32.1	37.1	42.1	49.6	57.2	72.2
2.40	35	84	—	—	—	—	11.5	13.1	14.6	16.2	17.7	19.7	22.3	24.8	27.4	29.9	34.9	39.9	47.5	55.0	70.0
2.40	40	96	—	—	—	—	—	—	12.2	13.8	15.4	17.4	20.0	22.6	25.1	27.6	32.7	37.7	45.3	52.8	67.9
2.41	17	41	13.6	15.1	16.6	18.2	19.7	21.2	22.7	24.2	25.7	27.7	30.2	32.7	35.2	37.7	42.7	47.7	55.2	62.7	77.7
2.43	14	34	14.9	16.4	17.9	19.4	20.9	22.4	24.0	25.5	27.0	29.0	31.5	34.0	36.5	39.0	44.0	49.0	56.5	64.0	79.0
2.44	16	39	14.0	15.5	17.0	18.5	20.0	21.6	23.1	24.6	26.1	28.1	30.6	33.1	35.6	38.1	43.1	48.1	55.6	63.1	78.1
2.44	18	44	13.1	14.6	16.1	17.6	19.1	20.7	22.2	23.7	25.2	27.2	29.7	32.2	34.7	37.2	42.2	47.2	54.7	62.2	77.2
2.46	39	96	—	—	—	—	—	—	12.3	13.9	15.5	17.5	20.1	22.7	25.2	27.8	32.8	37.9	45.4	52.9	68.0
2.47	17	42	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.6	27.6	30.1	32.6	35.1	37.6	42.6	47.6	55.1	62.6	77.6
2.47	34	84	—	—	—	10.0	11.6	13.2	14.7	16.3	17.8	19.9	22.4	24.9	27.5	30.0	35.0	40.1	47.6	55.1	70.1
2.48	29	72	—	9.3	10.8	12.4	14.0	15.5	17.0	18.6	20.1	22.1	24.6	27.2	29.7	32.2	37.2	42.2	49.8	57.3	72.3
2.50	14	35	14.8	16.3	17.8	19.3	20.8	22.3	23.8	25.3	26.8	28.8	31.3	33.8	36.3	38.8	43.8	48.8	56.4	63.9	78.9
2.50	16	40	13.9	15.4	16.9	18.4	19.9	21.4	22.9	24.4	25.9	27.9	30.4	32.9	35.5	38.0	43.0	48.0	55.5	63.0	78.0
2.50	18	45	13.0	14.5	16.0	17.5	19.0	20.5	22.0	23.5	25.0	27.0	29.6	32.1	34.6	37.1	42.1	47.1	54.6	62.1	77.1
2.50	24	60	10.1	11.7	13.2	14.7	16.3	17.8	19.3	20.8	22.3	24.3	26.9	29.4	31.9	34.4	39.4	44.4	51.9	59.4	74.5
2.50	48	120	—	—	—	—	—	—	—	—	—	—	15.5	18.1	20.7	23.3	28.4	33.5	41.1	48.7	63.8
2.53	17	43	13.3	14.9	16.4	17.9	19.4	20.9	22.4	23.9	25.4	27.4	29.9	32.4	34.9	37.4	42.5	47.5	55.0	62.5	77.5
2.53	19	48	12.4	13.9	15.5	17.0	18.5	20.0	21.5	23.0	24.5	26.5	29.0	31.5	34.1	36.6	41.6	46.6	54.1	61.6	76.6
2.53	38	96	—	—	—	—	—	—	12.4	14.0	15.6	17.7	20.2	22.8	25.3	27.9	32.9	38.0	45.5	53.1	68.1
2.55	33	84	—	—	—	10.1	11.7	13.3	14.8	16.4	17.9	20.0	22.5	25.1	27.6	30.1	35.1	40.2	47.7	55.2	70.3
2.56	16	41	13.7	15.2	16.8	18.3	19.8	21.3	22.8	24.3	25.8	27.8	30.3	32.8	35.3	37.8	42.8	47.8	55.3	62.8	77.9
2.57	14	36	14.6	16.2	17.7	19.2	20.7	22.2	23.7	25.2	26.7	28.7	31.2	33.7	36.2	38.7	43.7	48.7	56.2	63.7	78.7
2.57	28	72	—	9.4	10.9	12.5	14.1	15.6	17.1	18.7	20.2	22.2	24.8	27.3	29.8	32.3	37.3	42.4	49.9	57.4	72.4
2.59	17	44	13.2	14.7	16.2	17.7	19.3	20.8	22.3	23.8	25.3	27.3	29.8	32.3	34.8	37.3	42.3	47.3	54.8	62.3	77.3

Center Distances shown are theoretical; manufacturing tolerances on belt lengths and pulley diameters can affect the actual center distance of a drive. Belt Numbers at the head of center distance columns indicate pitch length (multiplied by ten) and pitch. For example, a "450H" belt is 45 inches long and is for use with 1/2 inch pitch pulleys. This part number must be completed by adding the belt width, for example, adding 150 to this number (making the complete part number read "450H150") indicates that the belt is 1 1/2 inches wide.

When the center distance is 8 or more times the diameter of the small pulley or when drive operates on vertical shafts, both pulleys should be flanged.

Table No. 1

1/2″ Pitch Drive Table

Pulley Combination					Avail-able Belt Widths					Driven Speeds and Horsepower for 1" Wide belt						Nominal Center Distances Using Browning® Gearbelt®					
	Driver		Driven							3500 RPM Motor		1750 RPM Motor		1160 RPM Motor							
Nominal Ratio	Number Grooves	Pitch Dia.	Number Grooves	Pitch Dia.	075	100	150	200	300	Driven Speed	HP for 1" Belt	Driven Speed	HP for 1" Belt	Driven Speed	HP for 1" Belt	240 H	270 H	300 H	330 H	360 H	390 H
2.59	37	5.889	96	15.279	X	X	-	-	-	1351	19.21	676	10.99	448	7.45	—	—	—	—	—	—
2.61	23	3.661	60	9.549	X	X	-	-	-	1341	13.35	670	7.00	444	4.68	—	—	—	—	—	—
2.62	16	2.546	42	6.685	X	X	-	-	-	1336	*9.60	668	*4.91	443	3.27	—	5.9	7.5	9.0	10.6	12.1
2.62	32	5.093	84	13.369	X	X	X	X	X	1336	17.42	668	9.60	443	6.47	—	—	—	—	—	—
2.64	14	2.228	37	5.889	X	X	-	-	-	1326	*8.46	663	*4.31	439	*2.86	5.3 ⑤	6.9 ⑤	8.4	10.0	11.5	—
2.65	17	2.706	45	7.162	X	X	-	-	-	1321	*10.16	660	*5.21	438	3.47	—	—	6.9	8.5	10.0	11.5
2.67	18	2.865	48	7.639	X	X	X	X	X	1311	*10.71	655	5.51	434	3.68	—	—	6.3	7.9	9.5	11.0
2.67	27	4.297	72	11.459	X	X	-	-	-	1311	15.27	655	8.17	434	5.48	—	—	—	—	—	—
2.67	36	5.730	96	15.279	X	X	X	X	X	1311	18.88	655	10.71	434	7.26	—	—	—	—	—	—
2.67	45	7.162	120	19.099	X	X	-	-	-	1311	—	655	13.09	434	8.99	—	—	—	—	—	—
2.69	16	2.546	43	6.844	X	X	-	-	-	1301	*9.60	651	*4.91	431	3.27	—	5.7	7.3	8.9	10.4	11.9
2.71	14	2.228	38	6.048	X	X	-	-	-	1292	*8.46	646	*4.31	428	*2.86	5.2 ⑤	6.7 ⑤	8.3 ⑤	9.8	11.3	12.8
2.71	31	4.934	84	13.369	X	X	-	-	-	1292	17.01	646	9.32	428	6.28	—	—	—	—	—	—
2.73	22	3.501	60	9.549	X	X	X	X	X	1282	12.84	641	6.71	425	4.48	—	—	—	—	7.1	8.7
2.73	44	7.003	120	19.099	X	X	X	X	X	1282	—	641	12.84	425	8.80	—	—	—	—	—	—
2.74	35	5.570	96	15.279	X	X	-	-	-	1277	18.54	639	10.44	423	7.06	—	—	—	—	—	—
2.75	16	2.546	44	7.003	X	X	X	X	X	1273	*9.60	636	*4.91	422	3.27	—	5.6 ⑤	7.2	8.7	10.3	11.8
2.77	26	4.138	72	11.459	X	X	X	X	X	1264	14.81	632	7.88	419	5.28	—	—	—	—	—	—
2.79	14	2.228	39	6.207	X	X	-	-	-	1254	*8.46	627	*4.31	416	*2.86	5.0 ⑤	6.6 ⑤	8.1 ⑤	9.7	11.2	12.7
2.79	43	6.844	120	19.099	X	X	-	-	-	1254	—	627	12.58	416	8.61	—	—	—	—	—	—
2.80	30	4.775	84	13.369	X	X	X	X	X	1250	16.60	625	9.03	414	6.08	—	—	—	—	—	—
2.81	16	2.546	45	7.162	X	X	-	-	-	1246	*9.60	623	*4.91	413	3.27	—	5.4 ⑤	7.0	8.6	10.1	11.6
2.82	17	2.706	48	7.639	X	X	X	X	X	1241	*10.16	621	*5.21	411	3.47	—	—	6.4	8.0	9.6	11.1
2.82	34	5.411	96	15.279	X	X	-	-	-	1241	18.18	621	10.16	411	6.87	—	—	—	—	—	—
2.86	14	2.228	40	6.366	X	X	X	X	-	1224	*8.46	612	*4.31	406	*2.86	4.8 ⑤	6.4 ⑤	8.0 ⑤	9.5	11.1	12.6
2.86	21	3.342	60	9.549	X	X	X	X	X	1224	12.32	612	6.41	406	4.28	—	—	—	—	7.2	8.8
2.86	42	6.685	120	19.099	X	X	-	-	-	1224	—	612	12.32	406	8.42	—	—	—	—	—	—
2.88	25	3.979	72	11.459	X	X	-	-	-	1215	14.33	608	7.59	403	5.08	—	—	—	—	—	—
2.90	29	4.615	84	13.369	X	X	-	-	-	1207	16.17	603	8.75	400	5.88	—	—	—	—	—	—
2.91	33	5.252	96	15.279	X	X	-	-	-	1203	17.80	601	9.88	399	6.67	—	—	—	—	—	—
2.93	14	2.228	41	6.525	X	X	-	-	-	1195	*8.46	597	*4.31	396	*2.86	—	6.3 ⑤	7.8 ⑤	9.4 ⑤	10.9	12.4
2.93	41	6.525	120	19.099	X	X	-	-	-	1195	20.36	597	12.06	396	8.22	—	—	—	—	—	—
3.00	14	2.228	42	6.685	X	X	-	-	-	1167	*8.46	583	*4.31	387	*2.86	—	6.1 ⑤	7.7 ⑤	9.2 ⑤	10.8	12.3
3.00	16	2.546	48	7.639	X	X	X	X	X	1167	*9.60	583	*4.91	387	3.27	—	—	6.5	8.1	9.7	11.2
3.00	20	3.183	60	9.549	X	X	X	X	X	1167	11.79	583	6.11	387	4.08	—	—	—	—	7.3	8.9
3.00	24	3.820	72	11.459	X	X	X	X	X	1167	13.84	583	7.30	387	4.88	—	—	—	—	—	—
3.00	28	4.456	84	13.369	X	X	X	X	X	1167	15.73	583	8.46	387	5.68	—	—	—	—	—	—
3.00	32	5.093	96	15.279	X	X	X	X	X	1167	17.42	583	9.60	387	6.47	—	—	—	—	—	—
3.00	40	6.366	120	19.099	X	X	X	X	X	1167	20.10	583	11.79	387	8.03	—	—	—	—	—	—
3.07	14	2.228	43	6.844	X	X	-	-	-	1140	*8.46	570	*4.31	378	*2.86	—	5.9 ⑤	7.5 ⑤	9.1 ⑤	10.6	12.1
3.08	39	6.207	120	19.099	X	X	-	-	-	1136	19.82	568	11.53	377	7.84	—	—	—	—	—	—
3.10	31	4.934	96	15.279	X	X	-	-	-	1129	17.01	565	9.32	374	6.28	—	—	—	—	—	—
3.11	27	4.297	84	13.369	X	X	-	-	-	1125	15.27	563	8.17	373	5.48	—	—	—	—	—	—
3.13	23	3.661	72	11.459	X	X	-	-	-	1118	13.35	559	7.00	371	4.68	—	—	—	—	—	—
3.14	14	2.228	44	7.003	X	X	X	X	-	1115	*8.46	557	*4.31	369	*2.86	—	5.8 ⑤	7.4 ⑤	8.9 ⑤	10.5 ⑤	12.0 ⑤
3.16	19	3.024	60	9.549	X	X	X	X	X	1108	*11.26	554	5.81	367	3.88	—	—	—	—	7.4	8.9
3.16	38	6.048	120	19.099	X	X	-	-	-	1108	19.52	554	11.26	367	7.65	—	—	—	—	—	—
3.20	30	4.775	96	15.279	X	X	X	X	X	1094	16.60	547	9.03	363	6.08	—	—	—	—	—	—
3.21	14	2.228	45	7.162	X	X	-	-	-	1090	*8.46	545	*4.31	361	*2.86	—	5.6 ⑤	7.2 ⑤	8.8 ⑤	10.3 ⑤	11.8 ⑤
3.23	26	4.138	84	13.369	X	X	X	X	X	1084	14.81	542	7.88	359	5.28	—	—	—	—	—	—
3.24	37	5.889	120	19.099	X	X	-	-	-	1080	19.21	540	10.99	358	7.45	—	—	—	—	—	—
3.25	48	7.639	156	24.828	X	X	X	X	X	1077	—	538	13.84	357	9.55	—	—	—	—	—	—
3.27	22	3.501	72	11.459	X	X	X	X	X	1070	12.84	535	6.71	355	4.48	—	—	—	—	—	—
3.31	29	4.615	96	15.279	X	X	-	-	-	1057	16.17	529	8.75	350	5.88	—	—	—	—	—	—
3.33	18	2.865	60	9.549	X	X	X	X	X	1051	*10.71	526	5.51	348	3.68	—	—	—	—	7.5	9.1
3.33	36	5.730	120	19.099	X	X	X	X	X	1051	18.88	526	10.71	348	7.26	—	—	—	—	—	—
3.36	25	3.979	84	13.369	X	X	-	-	-	1042	14.33	521	7.59	345	5.08	—	—	—	—	—	—
3.43	14	2.228	48	7.639	X	X	X	X	-	1020	*8.46	510	*4.31	338	*2.86	—	—	6.7 ⑤	8.3 ⑤	9.9 ⑤	11.4 ⑤
3.43	21	3.342	72	11.459	X	X	X	X	X	1020	12.32	510	6.41	338	4.28	—	—	—	—	—	—
3.43	28	4.456	96	15.279	X	X	X	X	X	1020	15.73	510	8.46	338	5.68	—	—	—	—	—	—
3.43	35	5.570	120	19.099	X	X	-	-	-	1020	18.54	510	10.44	338	7.06	—	—	—	—	—	—
3.47	45	7.162	156	24.828	X	X	-	-	-	1009	—	504	13.09	334	8.99	—	—	—	—	—	—
3.50	24	3.820	84	13.369	X	X	X	X	X	1000	13.84	500	7.30	331	4.88	—	—	—	—	—	—
3.53	17	2.706	60	9.549	X	X	X	X	X	992	*10.16	496	*5.21	329	3.47	—	—	—	—	7.6	9.2
3.53	34	5.411	120	19.099	X	X	-	-	-	992	18.18	496	10.16	329	6.87	—	—	—	—	—	—
3.55	44	7.003	156	24.828	X	X	X	X	X	986	—	493	12.84	327	8.80	—	—	—	—	—	—
3.56	27	4.297	96	15.279	X	X	-	-	-	983	15.27	492	8.17	326	5.48	—	—	—	—	—	—
3.60	20	3.183	72	11.459	X	X	X	X	X	972	11.79	486	6.11	322	4.08	—	—	—	—	—	—
3.63	43	6.844	156	24.828	X	X	-	-	-	964	—	482	12.58	320	8.61	—	—	—	—	—	—
3.64	33	5.252	120	19.099	X	X	-	-	-	962	17.80	481	9.88	319	6.67	—	—	—	—	—	—
3.65	23	3.661	84	13.369	X	X	-	-	-	959	13.35	479	7.00	318	4.68	—	—	—	—	—	—
3.69	26	4.138	96	15.279	X	X	X	X	X	949	14.81	474	7.88	314	5.28	—	—	—	—	—	—

Horsepower Ratings shown in these tables are for a 1" wide belt. To find the belt width required, divide the **NORMAL RATING** (See Page E-21) of the drive by the Horsepower shown in the table above. The result is the "Effective Belt Width". Using this, or the next higher figure, determine the "Actual Belt Width" from the following table:

Effective Belt Width.....	**.42"**	**.57"**	**.71"**	**1.00"**	**1.29"**	**1.56"**	**2.14"**	**2.72"**	**3.36"**	**4.76"**	**6.15"**	**7.50"**	**10.32"**
Actual Belt Width.....	1/2	5/8	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8

*This rating is for a pulley below the minimum recommended on page E-22 and, therefore, a reduction in belt life should be expected.

When the center distance for a specific pulley and belt combination is followed by a number in a circle, the horsepower for one inch wide belt must be multiplied by factor at right:

Teeth in Mesh	Factor
⑤	**.80**
④	**.60**
③	**.40**

E

Table No. 1

1/2″ Pitch Drive Table

Nominal Ratio	Pulley Combination		Nominal Center Distances using Browning® Gearbelt®																		
	Driver	Driven	420 H	450 H	480 H	510 H	540 H	570 H	600 H	630 H	660 H	700 H	750 H	800 H	850 H	900 H	1000 H	1100 H	1250 H	1400 H	1700 H
	Number Grooves	Number Grooves																			
2.59	37	96	—	—	—	—	—	—	12.5	14.1	15.7	17.8	20.3	22.9	25.5	28.0	33.0	38.1	45.6	53.2	68.2
2.61	23	60	10.2	11.8	13.3	14.8	16.4	17.9	19.4	20.9	22.4	24.5	27.0	29.5	32.0	34.5	39.5	44.5	52.0	59.6	74.6
2.62	16	42	13.6	15.1	16.6	18.1	19.6	21.2	22.7	24.2	25.7	27.7	30.2	32.7	35.2	37.7	42.7	44.7	55.2	62.7	77.7
2.62	32	84	—	—	—	10.2	11.8	13.4	14.9	16.5	18.0	20.1	22.6	25.2	27.7	30.2	35.3	40.3	47.8	55.4	70.4
2.64	14	37	14.5	16.0	17.5	19.0	20.5	22.1	23.6	25.1	26.6	28.6	31.1	33.6	36.1	38.6	43.6	48.6	56.1	63.6	78.6
2.65	17	45	13.1	14.6	16.1	17.6	19.1	20.6	22.1	23.6	25.2	27.2	29.7	32.2	34.7	37.2	42.2	47.2	54.7	62.2	77.2
2.67	18	48	12.5	14.1	15.6	17.1	18.6	20.1	21.6	23.1	24.6	26.6	29.2	31.7	34.2	36.7	41.7	46.7	54.2	61.7	76.7
2.67	27	72	—	9.5	11.1	12.6	14.2	15.7	17.3	18.8	20.3	22.3	24.9	27.4	29.9	32.4	37.5	42.5	50.0	57.5	72.5
2.67	36	96	—	—	—	—	—	—	12.6	14.2	15.8	17.9	20.5	23.0	25.6	28.1	33.2	38.2	45.8	53.3	68.3
2.67	45	120	—	—	—	—	—	—	—	—	—	—	15.8	18.4	21.0	23.6	28.8	33.9	41.5	49.0	64.1
2.69	16	43	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.5	30.1	32.6	35.1	37.6	42.6	47.6	55.1	62.6	77.6
2.71	14	38	14.4	15.9	17.4	18.9	20.4	21.9	23.4	24.9	26.4	28.4	30.9	33.4	36.0	38.5	43.5	48.5	56.0	63.5	78.5
2.71	31	84	—	—	—	10.3	11.9	13.5	15.0	16.6	18.1	20.2	22.7	25.3	27.8	30.3	35.4	40.4	47.9	55.5	70.5
2.73	22	60	10.3	11.9	13.4	14.9	16.5	18.0	19.5	21.0	22.6	24.6	27.1	29.6	32.1	34.6	39.6	44.7	52.2	59.7	74.7
2.73	44	120	—	—	—	—	—	—	—	—	—	—	15.9	18.5	21.1	23.7	28.9	34.0	41.6	49.1	64.2
2.74	35	96	—	—	—	—	—	11.1	12.7	14.3	15.9	18.0	20.6	23.1	25.7	28.2	33.3	38.3	45.9	53.4	68.5
2.75	16	44	13.3	14.8	16.4	17.9	19.4	20.9	22.4	23.9	25.4	27.4	29.9	32.4	34.9	37.4	42.4	47.5	55.0	62.5	77.5
2.77	26	72	—	9.6	11.2	12.7	14.3	15.8	17.4	18.9	20.4	22.5	25.0	27.5	30.0	32.6	37.6	42.6	50.1	57.6	72.7
2.79	14	39	14.2	15.8	17.3	18.8	20.3	21.8	23.3	24.8	26.3	28.3	30.8	33.3	35.8	38.3	43.3	48.3	55.8	63.3	78.4
2.79	43	120	—	—	—	—	—	—	—	—	—	—	16.0	18.6	21.3	23.8	29.0	34.1	41.7	49.3	64.3
2.80	30	84	—	—	—	10.4	12.0	13.6	15.1	16.7	18.3	20.3	22.9	25.4	27.9	30.5	35.5	40.5	48.1	55.6	70.6
2.81	16	45	13.2	14.7	16.2	17.7	19.2	20.8	22.3	23.8	25.3	27.3	29.8	32.3	34.8	37.3	42.3	47.3	54.8	62.3	77.3
2.82	17	48	12.6	14.2	15.7	17.2	18.7	20.2	21.7	23.2	24.8	26.8	29.3	31.8	34.3	36.8	41.8	46.8	54.3	61.8	76.8
2.82	34	96	—	—	—	—	—	11.2	12.8	14.4	16.0	18.1	20.7	23.2	25.8	28.3	33.4	38.4	46.0	53.5	68.6
2.86	14	40	14.1	15.6	17.1	18.6	20.1	21.7	23.2	24.7	26.2	28.2	30.7	33.2	35.7	38.2	43.2	48.2	55.7	63.2	78.2
2.86	21	60	10.4	12.0	13.5	15.1	16.6	18.1	19.6	21.2	22.7	24.7	27.2	29.7	32.2	34.7	39.8	44.8	52.3	59.8	74.8
2.86	42	120	—	—	—	—	—	—	—	—	—	—	16.1	18.7	21.4	24.0	29.1	34.2	41.8	49.4	64.5
2.88	25	72	—	9.7	11.3	12.8	14.4	15.9	17.5	19.0	20.5	22.6	25.1	27.6	30.1	32.7	37.7	42.7	50.2	57.8	72.8
2.90	29	84	—	—	—	10.5	12.1	13.7	15.3	16.8	18.4	20.4	23.0	25.5	28.0	30.6	35.6	40.6	48.2	55.7	70.7
2.91	33	96	—	—	—	—	—	11.3	12.9	14.5	16.1	18.2	20.8	23.3	25.9	28.4	33.5	38.6	46.1	53.6	68.7
2.93	14	41	14.0	15.5	17.0	18.5	20.0	21.5	23.0	24.5	26.0	28.0	30.6	33.1	35.6	38.1	43.1	48.1	55.6	63.1	78.1
2.93	41	120	—	—	—	—	—	—	—	—	—	13.4	16.2	18.8	21.5	24.1	29.2	34.3	41.9	49.5	64.6
3.00	14	42	13.8	15.3	16.9	18.4	19.9	21.4	22.9	24.4	25.9	27.9	30.4	32.9	35.4	37.9	42.9	48.0	55.5	63.0	78.0
3.00	16	48	12.7	14.3	15.8	17.3	18.8	20.3	21.9	23.4	24.9	26.9	29.4	31.9	34.4	36.9	41.9	46.9	54.4	62.0	77.0
3.00	20	60	10.5	12.1	13.6	15.2	16.7	18.2	19.7	21.3	22.8	24.8	27.3	29.8	32.3	34.9	39.9	44.9	52.4	59.9	74.9
3.00	24	72	—	9.8	11.4	12.9	14.5	16.1	17.6	19.1	20.7	22.7	25.2	27.7	30.3	32.8	37.8	42.8	50.4	57.9	72.9
3.00	28	84	—	—	—	10.6	12.2	13.8	15.4	16.9	18.5	20.5	23.1	25.6	28.2	30.7	35.7	40.8	48.3	55.8	70.9
3.00	32	96	—	—	—	—	—	11.4	13.0	14.6	16.2	18.3	20.9	23.5	26.0	28.6	33.6	38.7	46.2	53.8	68.8
3.00	40	120	—	—	—	—	—	—	—	—	—	13.5	16.3	18.9	21.6	24.2	29.3	34.4	42.0	49.6	64.7
3.07	14	43	13.7	15.2	16.7	18.2	19.7	21.3	22.8	24.3	25.8	27.8	30.3	32.8	35.3	37.8	42.8	47.8	55.3	62.8	77.8
3.08	39	120	—	—	—	—	—	—	—	—	—	13.6	16.4	19.0	21.7	24.3	29.4	34.5	42.1	49.7	64.8
3.10	31	96	—	—	—	—	—	11.5	13.1	14.7	16.3	18.4	21.0	23.6	26.1	28.7	33.7	38.8	46.3	53.9	68.9
3.11	27	84	—	—	—	10.7	12.3	13.9	15.5	17.0	18.6	20.6	23.2	25.7	28.3	30.8	35.8	40.9	48.4	55.9	71.0
3.13	23	72	8.2	9.9	11.5	13.0	14.6	16.2	17.7	19.2	20.8	22.8	25.3	27.9	30.4	32.9	37.9	43.0	50.5	58.0	73.0
3.14	14	44	13.5	15.1	16.6	18.1	19.6	21.1	22.6	24.1	25.6	27.7	30.2	32.7	35.2	37.7	42.7	47.7	55.2	62.7	77.7
3.16	19	60	10.6	12.2	13.7	15.3	16.8	18.3	19.9	21.4	22.9	24.9	27.4	30.0	32.5	35.0	40.0	45.0	52.5	60.0	75.1
3.16	38	120	—	—	—	—	—	—	—	—	—	13.7	16.5	19.2	21.8	24.4	29.5	34.6	42.3	49.8	64.9
3.20	30	96	—	—	—	—	—	11.6	13.2	14.8	16.4	18.5	21.1	23.7	26.2	28.8	33.9	38.9	46.5	54.0	69.1
3.21	14	45	13.4	14.9	16.4	18.0	19.5	21.0	22.5	24.0	25.5	27.5	30.0	32.5	35.0	37.5	42.6	47.6	55.1	62.6	77.6
3.23	26	84	—	—	—	10.8	12.4	14.0	15.6	17.1	18.7	20.7	23.3	25.8	28.4	30.9	36.0	41.0	48.5	56.1	71.1
3.24	37	120	—	—	—	—	—	—	—	—	—	13.8	16.6	19.3	21.9	24.5	29.6	34.8	42.4	49.9	65.0
3.25	48	156	—	—	—	—	—	—	—	—	—	—	—	—	—	17.4	22.9	28.2	36.0	43.7	58.9
3.27	22	72	8.3	10.0	11.6	13.2	14.7	16.3	17.8	19.3	20.9	22.9	25.4	28.0	30.5	33.0	38.0	43.1	50.6	58.1	73.1
3.31	29	96	—	—	—	—	—	11.7	13.3	14.9	16.5	18.6	21.2	23.8	26.3	28.9	34.0	39.0	46.6	54.1	69.2
3.33	18	60	10.7	12.3	13.9	15.4	16.9	18.5	20.0	21.5	23.0	25.0	27.6	30.1	32.6	35.1	40.1	45.1	52.6	60.2	75.2
3.33	36	120	—	—	—	—	—	—	—	—	—	13.9	16.7	19.4	22.0	24.6	29.8	34.9	42.5	50.1	65.2
3.36	25	84	—	—	9.2	10.9	12.5	14.1	15.7	17.2	18.8	20.9	23.4	26.0	28.5	31.0	36.1	41.1	48.7	56.2	71.2
3.43	14	48	13.0	14.5	16.0	17.5	19.1	20.6	22.1	23.6	25.1	27.1	29.6	32.1	34.6	37.2	42.2	47.2	54.7	62.2	77.2
3.43	21	72	8.4	10.1	11.7	13.3	14.8	16.4	17.9	19.5	21.0	23.0	25.6	28.1	30.6	33.1	38.2	43.2	50.7	58.2	73.3
3.43	28	96	—	—	—	—	—	11.8	13.4	15.0	16.6	18.7	21.3	23.9	26.5	29.0	34.1	39.1	46.7	54.2	69.3
3.43	35	120	—	—	—	—	—	—	—	—	—	14.0	16.8	19.5	22.1	24.7	29.9	35.0	42.6	50.2	65.3
3.47	45	156	—	—	—	—	—	—	—	—	—	—	—	—	—	17.7	23.2	28.5	36.3	44.0	59.2
3.50	24	84	—	—	9.3	11.0	12.6	14.2	15.8	17.4	18.9	21.0	23.5	26.1	28.6	31.1	36.2	41.2	48.8	56.3	71.3
3.53	17	60	10.8	12.4	14.0	15.5	17.0	18.6	20.1	21.6	23.1	25.1	27.7	30.2	32.7	35.2	40.2	45.3	52.8	60.3	75.3
3.53	34	120	—	—	—	—	—	—	—	—	—	14.1	16.9	19.6	22.2	24.8	30.0	35.1	42.7	50.3	65.4
3.55	44	156	—	—	—	—	—	—	—	—	—	—	—	—	—	17.8	23.3	28.6	36.4	44.1	59.3
3.56	27	96	—	—	—	—	—	11.9	13.5	15.1	16.7	18.8	21.4	24.0	26.6	29.1	34.2	39.2	46.8	54.4	69.4
3.60	20	72	8.5	10.2	11.8	13.4	14.9	16.5	18.0	19.6	21.1	23.1	25.7	28.2	30.7	33.2	38.3	43.3	50.8	58.4	73.4
3.63	43	156	—	—	—	—	—	—	—	—	—	—	—	—	—	17.9	23.4	28.7	36.5	44.2	59.5
3.64	33	120	—	—	—	—	—	—	—	—	—	14.2	17.0	19.7	22.3	24.9	30.1	35.2	42.8	50.4	65.5
3.65	23	84	—	—	9.4	11.1	12.7	14.3	15.9	17.5	19.0	21.1	23.6	26.2	28.7	31.3	36.3	41.3	48.9	56.4	71.5
3.69	26	96	—	—	—	—	10.3	12.0	13.6	15.2	16.8	18.9	21.5	24.1	26.7	29.2	34.3	39.4	46.9	54.5	69.5

Center Distances shown are theoretical; manufacturing tolerances on belt lengths and pulley diameters can affect the actual center distance of a drive. Belt Numbers at the head of center distance columns indicate pitch length (multiplied by ten) and pitch. For example, a "450H" belt is 45 inches long and is for use with 1/2 inch pitch pulleys. This part number must be completed by adding the belt width, for example, adding 150 to this number (making the complete part number read "450H150") indicates that the belt is 1 1/2 inches wide.

When the center distance is 8 or more times the diameter of the small pulley or when drive operates on vertical shafts, both pulleys should be flanged.

Table No.1 **1/2″ Pitch Drive Table**

Pulley Combination					Avail-able Belt Widths					Driven Speeds and Horsepower for 1" Wide belt						Nominal Center Distances Using Browning® Gearbelt®					
	Driver		Driven							3500 RPM Motor		1750 RPM Motor		1160 RPM Motor							
Nominal Ratio	Number Grooves	Pitch Dia	Number Grooves	Pitch Dia	075	100	150	200	300	Driven Speed	HP for 1" Belt	Driven Speed	HP for 1" Belt	Driven Speed	HP for 1" Belt	240 H	270 H	300 H	330 H	360 H	390 H
3.71	42	6.685	156	24.828	X	X	-	-	-	943	—	472	12.32	313	8.42	—	—	—	—	—	—
3.75	16	2.546	60	9.549	X	X	X	X	X	933	*9.60	467	*4.91	309	3.27	—	—	—	—	7.7 ⑤	9.3 ⑤
3.75	32	5.093	120	19.099	X	X	X	X	X	933	17.42	467	9.60	309	6.47	—	—	—	—	—	—
3.79	19	3.024	72	11.459	X	X	X	X	X	923	*11.26	462	5.81	306	3.88	—	—	—	—	—	—
3.80	41	6.525	156	24.828	X	X	-	-	-	921	20.36	461	12.06	305	8.22	—	—	—	—	—	—
3.82	22	3.501	84	13.369	X	X	X	X	X	916	12.84	458	6.71	304	4.48	—	—	—	—	—	—
3.84	25	3.979	96	15.279	X	X	-	-	-	911	14.33	456	7.59	302	5.08	—	—	—	—	—	—
3.87	31	4.934	120	19.099	X	X	-	-	-	904	17.01	452	9.32	300	6.28	—	—	—	—	—	—
3.90	40	6.366	156	24.828	X	X	X	X	X	897	20.10	449	11.79	297	8.03	—	—	—	—	—	—
4.00	18	2.865	72	11.459	X	X	X	X	X	875	*10.71	438	5.51	290	3.68	—	—	—	—	—	—
4.00	21	3.342	84	13.369	X	X	X	X	X	875	12.32	438	6.41	290	4.28	—	—	—	—	—	—
4.00	24	3.820	96	15.279	X	X	X	X	X	875	13.84	438	7.30	290	4.88	—	—	—	—	—	—
4.00	30	4.775	120	19.099	X	X	X	X	X	875	16.60	438	9.03	290	6.08	—	—	—	—	—	—
4.00	39	6.207	156	24.828	X	X	-	-	-	875	19.82	438	11.53	290	7.84	—	—	—	—	—	—
4.11	38	6.048	156	24.828	X	X	-	-	-	852	19.52	426	11.26	282	7.65	—	—	—	—	—	—
4.14	29	4.615	120	19.099	X	X	-	-	-	845	16.17	423	8.75	280	5.88	—	—	—	—	—	—
4.17	23	3.661	96	15.279	X	X	-	-	-	839	13.35	420	7.00	278	4.68	—	—	—	—	—	—
4.20	20	3.183	84	13.369	X	X	X	X	X	833	11.79	417	6.11	276	4.08	—	—	—	—	—	—
4.22	37	5.889	156	24.828	X	X	-	-	-	829	19.21	415	10.99	275	7.45	—	—	—	—	—	—
4.24	17	2.706	72	11.459	X	X	X	X	X	825	*10.16	413	*5.21	274	3.47	—	—	—	—	—	—
4.29	14	2.228	60	9.549	X	X	X	X	-	816	*8.46	408	*4.31	270	*2.86	—	—	—	—	7.9 ④	9.5 ④
4.29	28	4.456	120	19.099	X	X	X	X	X	816	15.73	408	8.46	270	5.68	—	—	—	—	—	—
4.33	36	5.730	156	24.828	X	X	X	X	X	808	18.88	404	10.71	268	7.26	—	—	—	—	—	—
4.36	22	3.501	96	15.279	X	X	X	X	X	803	12.84	401	6.71	266	4.48	—	—	—	—	—	—
4.42	19	3.024	84	13.369	X	X	X	X	X	792	*11.26	396	5.81	262	3.88	—	—	—	—	—	—
4.44	27	4.297	120	19.099	X	X	-	-	-	788	15.27	394	8.17	261	5.48	—	—	—	—	—	—
4.46	35	5.570	156	24.828	X	X	-	-	-	785	18.54	392	10.44	260	7.06	—	—	—	—	—	—
4.50	16	2.546	72	11.459	X	X	X	X	X	778	*9.60	389	*4.91	258	3.27	—	—	—	—	—	—
4.57	21	3.342	96	15.279	X	X	X	X	X	766	12.32	383	6.41	254	4.28	—	—	—	—	—	—
4.59	34	5.411	156	24.828	X	X	-	-	-	763	18.18	381	10.16	253	6.87	—	—	—	—	—	—
4.62	26	4.138	120	19.099	X	X	X	X	X	758	14.81	379	7.88	251	5.28	—	—	—	—	—	—
4.67	18	2.865	84	13.369	X	X	X	X	X	749	*10.71	375	5.51	248	3.68	—	—	—	—	—	—
4.73	33	5.252	156	24.828	X	X	-	-	-	740	17.80	370	9.88	245	6.67	—	—	—	—	—	—
4.80	20	3.183	96	15.279	X	X	X	X	X	729	11.79	365	6.11	242	4.08	—	—	—	—	—	—
4.80	25	3.979	120	19.099	X	X	-	-	-	729	14.33	365	7.59	242	5.08	—	—	—	—	—	—
4.87	32	5.093	156	24.828	X	X	X	X	X	719	17.42	359	9.60	238	6.47	—	—	—	—	—	—
4.94	17	2.706	84	13.369	X	X	X	X	X	709	*10.16	354	*5.21	235	3.47	—	—	—	—	—	—
5.00	24	3.820	120	19.099	X	X	X	X	X	700	13.84	350	7.30	232	4.88	—	—	—	—	—	—
5.03	31	4.934	156	24.828	X	X	-	-	-	696	17.01	348	9.32	231	6.28	—	—	—	—	—	—
5.05	19	3.024	96	15.279	X	X	X	X	X	693	*11.26	347	5.81	230	3.88	—	—	—	—	—	—
5.14	14	2.228	72	11.459	X	X	X	X	-	681	*8.46	340	*4.31	226	*2.86	—	—	—	—	—	—
5.20	30	4.775	156	24.828	X	X	X	X	X	673	16.60	337	9.03	223	6.08	—	—	—	—	—	—
5.22	23	3.661	120	19.099	X	X	-	-	-	670	13.35	335	7.00	222	4.68	—	—	—	—	—	—
5.25	16	2.546	84	13.369	X	X	X	X	X	667	*9.60	333	*4.91	221	3.27	—	—	—	—	—	—
5.33	18	2.865	96	15.279	X	X	X	X	X	657	*10.71	328	5.51	218	3.68	—	—	—	—	—	—
5.38	29	4.615	156	24.828	X	X	-	-	-	651	16.17	325	8.75	216	5.88	—	—	—	—	—	—
5.45	22	3.501	120	19.099	X	X	X	X	X	642	12.84	321	6.71	213	4.48	—	—	—	—	—	—
5.57	28	4.456	156	24.828	X	X	X	X	X	628	15.73	314	8.46	208	5.68	—	—	—	—	—	—
5.65	17	2.706	96	15.279	X	X	X	X	X	619	*10.16	310	*5.21	205	3.47	—	—	—	—	—	—
5.71	21	3.342	120	19.099	X	X	X	X	X	613	12.32	306	6.41	203	4.28	—	—	—	—	—	—
5.78	27	4.297	156	24.828	X	X	-	-	-	606	15.27	303	8.17	201	5.48	—	—	—	—	—	—
6.00	14	2.228	84	13.369	X	X	X	X	-	583	*8.46	292	*4.31	193	*2.86	—	—	—	—	—	—
6.00	16	2.546	96	15.279	X	X	X	X	X	583	*9.60	292	*4.91	193	3.27	—	—	—	—	—	—
6.00	20	3.183	120	19.099	X	X	X	X	X	583	11.79	292	6.11	193	4.08	—	—	—	—	—	—
6.00	26	4.138	156	24.828	X	X	X	X	X	583	14.81	292	7.88	193	5.28	—	—	—	—	—	—
6.24	25	3.979	156	24.828	X	X	-	-	-	561	14.33	280	7.59	186	5.08	—	—	—	—	—	—
6.32	19	3.024	120	19.099	X	X	X	X	X	554	*11.26	277	5.81	184	3.88	—	—	—	—	—	—
6.50	24	3.820	156	24.828	X	X	X	X	X	538	13.84	269	7.30	178	4.88	—	—	—	—	—	—
6.67	18	2.865	120	19.099	X	X	X	X	X	525	*10.71	262	5.51	174	3.68	—	—	—	—	—	—
6.78	23	3.661	156	24.828	X	X	-	-	-	516	13.35	258	7.00	171	4.68	—	—	—	—	—	—
6.86	14	2.228	96	15.279	X	X	X	X	-	510	*8.46	255	*4.31	169	*2.86	—	—	—	—	—	—
7.06	17	2.706	120	19.099	X	X	X	X	X	496	*10.16	248	*5.21	164	3.47	—	—	—	—	—	—
7.09	22	3.501	156	24.828	X	X	X	X	X	494	12.84	247	6.71	164	4.48	—	—	—	—	—	—
7.43	21	3.342	156	24.828	X	X	X	X	X	471	12.32	236	6.41	156	4.28	—	—	—	—	—	—
7.50	16	2.546	120	19.099	X	X	X	X	X	467	*9.60	233	*4.91	155	3.27	—	—	—	—	—	—
7.80	20	3.183	156	24.828	X	X	X	X	X	449	11.79	224	6.11	149	4.08	—	—	—	—	—	—
8.21	19	3.024	156	24.828	X	X	X	X	X	426	*11.26	213	5.81	141	3.88	—	—	—	—	—	—
8.57	14	2.228	120	19.099	X	X	X	X	-	408	*8.46	204	*4.31	135	*2.86	—	—	—	—	—	—
8.67	18	2.865	156	24.828	X	X	X	X	X	404	*10.71	202	5.51	134	3.68	—	—	—	—	—	—
9.18	17	2.706	156	24.828	X	X	X	X	X	381	*10.16	191	*5.21	126	3.47	—	—	—	—	—	—
9.75	16	2.546	156	24.828	X	X	X	X	X	359	*9.60	179	*4.91	119	3.27	—	—	—	—	—	—

Horsepower Ratings shown in these tables are for a 1" wide belt. To find the belt width required, divide the **NORMAL RATING** (See Page E-21) of the drive by the Horsepower shown in the table above. The result is the "Effective Belt Width". Using this, or the next higher figure, determine the "Actual Belt Width" from the following table:

Effective Belt Width……..	**.42"**	**.57"**	**.71"**	**1.00"**	**1.29"**	**1.56"**	**2.14"**	**2.72"**	**3.36"**	**4.76"**	**6.15"**	**7.50"**	**10.32"**
Actual Belt Width……..	1/2	5/8	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8

*This rating is for a pulley below the minimum recommended on page E-22 and, therefore, a reduction in belt life should be expected.

When the center distance for a specific pulley and belt combination is followed by a number in a circle, the horsepower for one inch wide belt must be multiplied by factor at right:

Teeth in Mesh	Factor
⑤	**.80**
④	**.60**

E

Table No. 1

1/2″ Pitch Drive Table

Nominal Ratio	Pulley Combination Driver Number Grooves	Pulley Combination Driven Number Grooves	Nominal Center Distances using Browning® Gearbelt® 420 H	450 H	480 H	510 H	540 H	570 H	600 H	630 H	660 H	700 H	750 H	800 H	850 H	900 H	1000 H	1100 H	1250 H	1400 H	1700 H
3.71	42	156	—	—	—	—	—	—	—	—	—	—	—	—	—	18.0	23.5	28.8	36.6	44.3	59.6
3.75	16	60	10.9	12.5	14.1	15.6	17.1	18.7	20.2	21.7	23.2	25.3	27.8	30.3	32.8	35.3	40.4	45.4	52.9	60.4	75.4
3.75	32	120	—	—	—	—	—	—	—	—	—	14.3	17.1	19.8	22.4	25.0	30.2	35.3	42.9	50.5	65.6
3.79	19	72	8.6	10.3	11.9	13.5	15.0	16.6	18.1	19.7	21.2	23.2	25.8	28.3	30.8	33.4	38.4	43.4	51.0	58.5	73.5
3.80	41	156	—	—	—	—	—	—	—	—	—	—	—	—	—	18.1	23.6	28.9	36.7	44.4	59.7
3.82	22	84	—	—	9.5	11.2	12.8	14.4	16.0	17.6	19.1	21.2	23.7	26.3	28.8	31.4	36.4	41.5	49.0	56.5	71.6
3.84	25	96	—	—	—	—	10.4	12.1	13.7	15.3	16.9	19.0	21.6	24.2	26.8	29.3	34.4	39.5	47.0	54.6	69.7
3.87	31	120	—	—	—	—	—	—	—	—	—	14.4	17.2	19.9	22.5	25.1	30.3	35.4	43.1	50.6	65.8
3.90	40	156	—	—	—	—	—	—	—	—	—	—	—	—	—	18.2	23.7	29.0	36.9	44.6	59.8
4.00	18	72	8.7	10.4	12.0	13.6	15.1	16.7	18.3	19.8	21.3	23.4	25.9	28.4	31.0	33.5	38.5	43.5	51.1	58.6	73.6
4.00	21	84	—	—	9.6	11.3	12.9	14.5	16.1	17.7	19.2	21.3	23.9	26.4	28.9	31.5	36.5	41.6	49.1	56.7	71.7
4.00	24	96	—	—	—	—	10.5	12.2	13.8	15.4	17.0	19.2	21.8	24.3	26.9	29.5	34.5	39.6	47.2	54.7	69.8
4.00	30	120	—	—	—	—	—	—	—	—	—	14.5	17.3	20.0	22.6	25.2	30.4	35.5	43.2	50.8	65.9
4.00	39	156	—	—	—	—	—	—	—	—	—	—	—	—	—	18.3	23.8	29.2	37.0	44.7	59.9
4.11	38	156	—	—	—	—	—	—	—	—	—	—	—	—	—	18.4	23.9	29.3	37.1	44.8	60.0
4.14	29	120	—	—	—	—	—	—	—	—	—	14.6	17.4	20.1	22.7	25.4	30.5	35.6	43.3	50.9	66.0
4.17	23	96	—	—	—	—	10.6	12.3	13.9	15.6	17.2	19.3	21.9	24.4	27.0	29.6	34.6	39.7	47.3	54.8	69.9
4.20	20	84	—	—	9.7	11.4	13.0	14.6	16.2	17.8	19.3	21.4	24.0	26.5	29.1	31.6	36.7	41.7	49.2	56.8	71.8
4.22	37	156	—	—	—	—	—	—	—	—	—	—	—	—	—	18.5	24.0	29.4	37.2	44.9	60.1
4.24	17	72	8.8 ⑤	10.5	12.1	13.7	15.3	16.8	18.4	19.9	21.4	23.5	26.0	28.5	31.1	33.6	38.6	43.7	51.2	58.7	73.8
4.29	14	60	11.2 ⑤	12.7 ⑤	14.3 ⑤	15.8 ⑤	17.4	18.9	20.4	21.9	23.5	25.5	28.0	30.5	33.1	35.6	40.6	45.6	53.1	60.6	75.7
4.29	28	120	—	—	—	—	—	—	—	—	12.4	14.7	17.5	20.2	22.8	25.5	30.6	35.8	43.4	51.0	66.1
4.33	36	156	—	—	—	—	—	—	—	—	—	—	—	—	—	18.6	24.1	29.5	37.3	45.0	60.3
4.36	22	96	—	—	—	—	10.7	12.4	14.0	15.7	17.3	19.4	22.0	24.6	27.1	29.7	34.8	39.8	47.4	54.9	70.0
4.42	19	84	—	—	9.8	11.5	13.1	14.7	16.3	17.9	19.4	21.5	24.1	26.6	29.2	31.7	36.8	41.8	49.4	56.9	71.9
4.44	27	120	—	—	—	—	—	—	—	—	12.5	14.8	17.6	20.3	22.9	25.6	30.7	35.9	43.5	51.1	66.2
4.46	35	156	—	—	—	—	—	—	—	—	—	—	—	—	15.8	18.7	24.2	29.6	37.4	45.1	60.4
4.50	16	72	8.9 ⑤	10.6 ⑤	12.2	13.8	15.4	16.9	18.5	20.0	21.5	23.6	26.1	28.7	31.2	33.7	38.7	43.8	51.3	58.8	73.9
4.57	21	96	—	—	—	—	10.8	12.5	14.1	15.8	17.4	19.5	22.1	24.7	27.2	29.8	34.9	39.9	47.5	55.1	70.1
4.59	34	156	—	—	—	—	—	—	—	—	—	—	—	—	15.9	18.8	24.3	29.7	37.5	45.2	60.5
4.62	26	120	—	—	—	—	—	—	—	—	12.6	14.9	17.7	20.4	23.0	25.7	30.9	36.0	43.6	51.2	66.3
4.67	18	84	—	—	9.9 ⑤	11.6	13.2	14.8	16.4	18.0	19.6	21.6	24.2	26.7	29.3	31.8	36.9	41.9	49.5	57.0	72.1
4.73	33	156	—	—	—	—	—	—	—	—	—	—	—	—	16.0	18.9	24.4	29.8	37.6	45.3	60.6
4.80	20	96	—	—	—	—	10.9	12.6	14.2	15.9	17.5	19.6	22.2	24.8	27.3	29.9	35.0	40.1	47.6	55.2	70.2
4.80	25	120	—	—	—	—	—	—	—	—	12.7	15.0	17.8	20.5	23.2	25.8	31.0	36.1	43.7	51.3	66.5
4.87	32	156	—	—	—	—	—	—	—	—	—	—	—	—	16.1	19.0	24.5	29.9	37.7	45.4	60.7
4.94	17	84	—	—	10.0 ⑤	11.7	13.3	14.9	16.5	18.1	19.7	21.7	24.3	26.9	29.4	31.9	37.0	42.0	49.6	57.1	72.2
5.00	24	120	—	—	—	—	—	—	—	—	12.8	15.1	17.9	20.6	23.3	25.9	31.1	36.2	43.8	51.4	66.6
5.03	31	156	—	—	—	—	—	—	—	—	—	—	—	—	16.1	19.1	24.6	30.0	37.8	45.6	60.8
5.05	19	96	—	—	—	—	10.9	12.7	14.3	16.0	17.6	19.7	22.3	24.9	27.4	30.0	35.1	40.2	47.7	55.3	70.4
5.14	14	72	9.1 ④	10.8 ⑤	12.4 ⑤	14.0 ⑤	15.6 ⑤	17.1 ⑤	18.7 ⑤	20.2 ⑤	21.8	23.8	26.4	28.9	31.4	33.9	39.0	44.0	51.5	59.1	74.1
5.20	30	156	—	—	—	—	—	—	—	—	—	—	—	—	16.2	19.2	24.7	30.1	37.9	45.7	60.9
5.22	23	120	—	—	—	—	—	—	—	—	12.9	15.2	18.0	20.7	23.4	26.0	31.2	36.3	44.0	51.6	66.7
5.25	16	84	—	—	10.1 ⑤	11.8 ⑤	13.4 ⑤	15.0	16.6	18.2	19.8	21.8	24.4	27.0	29.5	32.0	37.1	42.2	49.7	57.3	72.3
5.33	18	96	—	—	—	—	11.0 ⑤	12.8	14.4	16.1	17.7	19.8	22.4	25.0	27.6	30.1	35.2	40.3	47.9	55.4	70.5
5.38	29	156	—	—	—	—	—	—	—	—	—	—	—	—	16.3	19.3	24.8	30.2	38.0	45.8	61.1
5.45	22	120	—	—	—	—	—	—	—	—	13.0	15.3	18.1	20.8	23.5	26.1	31.3	36.4	44.1	51.7	66.8
5.57	28	156	—	—	—	—	—	—	—	—	—	—	—	—	16.4	19.4	24.9	30.3	38.2	45.9	61.2
5.65	17	96	—	—	—	—	11.1 ⑤	12.9 ⑤	14.5	16.2	17.8	19.9	22.5	25.1	27.7	30.2	35.3	40.4	48.0	55.5	70.6
5.71	21	120	—	—	—	—	—	—	—	—	13.1	15.4	18.2	20.9	23.6	26.2	31.4	36.5	44.2	51.8	66.9
5.78	27	156	—	—	—	—	—	—	—	—	—	—	—	—	16.5	19.5	25.0	30.4	38.3	46.0	61.3
6.00	14	84	—	8.5 ④	10.3 ④	12.0 ④	13.6 ⑤	15.2 ⑤	16.8 ⑤	18.4 ⑤	20.0 ⑤	22.1 ⑤	24.6 ⑤	27.2	29.7	32.3	37.3	42.4	49.9	57.5	72.5
6.00	16	96	—	—	—	9.4 ④	11.2 ⑤	13.0 ⑤	14.6 ⑤	16.3	17.9	20.0	22.6	25.2	27.8	30.3	35.4	40.5	48.1	55.6	70.7
6.00	20	120	—	—	—	—	—	—	—	—	13.2	15.5	18.3	21.0	23.7	26.3	31.5	36.6	44.3	51.9	67.0
6.00	26	156	—	—	—	—	—	—	—	—	—	—	—	—	16.6	19.6	25.1	30.5	38.4	46.1	61.4
6.24	25	156	—	—	—	—	—	—	—	—	—	—	—	—	16.7	19.7	25.2	30.6	38.5	46.2	61.5
6.32	19	120	—	—	—	—	—	—	—	—	13.3 ⑤	15.6	18.4	21.1	23.8	26.4	31.6	36.8	44.4	52.0	67.2
6.50	24	156	—	—	—	—	—	—	—	—	—	—	—	—	16.8	19.8	25.3	30.7	38.6	46.3	61.6
6.67	18	120	—	—	—	—	—	—	—	11.5 ④	13.3 ⑤	15.7	18.5	21.2	23.9	26.5	31.7	36.9	44.5	52.1	67.3
6.78	23	156	—	—	—	—	—	—	—	—	—	—	—	—	16.9	19.9	25.4	30.8	38.7	46.4	61.7
6.86	14	96	—	—	—	9.6 ③	11.4 ④	13.2 ④	14.8 ⑤	16.5 ⑤	18.1 ⑤	20.2 ⑤	22.8 ⑤	25.4 ⑤	28.0 ⑤	30.6	35.7	40.7	48.3	55.9	71.0
7.06	17	120	—	—	—	—	—	—	—	11.6 ④	13.4 ⑤	15.8 ⑤	18.6	21.3	24.0	26.6	31.8	37.0	44.6	52.2	67.4
7.09	22	156	—	—	—	—	—	—	—	—	—	—	—	—	17.0	20.0	25.6	30.9	38.8	46.5	61.8
7.43	21	156	—	—	—	—	—	—	—	—	—	—	—	—	17.1	20.1	25.7	31.0	38.9	46.7	62.0
7.50	16	120	—	—	—	—	—	—	—	11.7 ④	13.5 ④	15.9 ⑤	18.7 ⑤	21.4	24.1	26.7	31.9	37.1	44.7	52.4	67.5
7.80	20	156	—	—	—	—	—	—	—	—	—	—	—	—	17.2	20.1	25.8	31.1	39.0	46.8	62.1
8.21	19	156	—	—	—	—	—	—	—	—	—	—	—	—	17.3 ⑤	20.2	25.9	31.2	39.1	46.9	62.2
8.57	14	120	—	—	—	—	—	—	—	11.9 ③	13.7 ④	16.1 ④	18.9 ⑤	21.6 ⑤	24.3 ⑤	26.9 ⑤	32.2 ⑤	37.3 ⑤	45.0	52.6	67.7
8.67	18	156	—	—	—	—	—	—	—	—	—	—	—	—	17.4 ⑤	20.3 ⑤	26.0	31.3	39.2	47.0	62.3
9.18	17	156	—	—	—	—	—	—	—	—	—	—	—	14.3 ④	17.5 ⑤	20.4 ⑤	26.1	31.4	39.3	47.1	62.4
9.75	16	156	—	—	—	—	—	—	—	—	—	—	—	14.4 ④	17.6 ④	20.5 ⑤	26.2 ⑤	31.6	39.4	47.2	62.5
11.14	14	156	—	—	—	—	—	—	—	—	—	—	—	14.6 ③	17.8 ④	20.7 ④	26.4 ⑤	31.8 ⑤	39.7 ⑤	47.4 ⑤	62.7

Center Distances shown are theoretical; manufacturing tolerances on belt lengths and pulley diameters can affect the actual center distance of a drive. Belt Numbers at the head of center distance columns indicate pitch length (multiplied by ten) and pitch. For example, a "450H" belt is 45 inches long and is for use with 1/2 inch pitch pulleys. This part number must be completed by adding the belt width, for example, adding 150 to this number (making the complete part number read "450H150") indicates that the belt is 1 1/2 inches wide.

When the center distance for a specific pulley and belt combination is followed by a number in a circle, the horsepower for one inch wide belt must be multiplied by factor at right:

Teeth in Mesh	Factor
⑤	.80
④	.60
③	.40

When the center distance is 8 or more times the diameter of the small pulley or when drive operates on vertical shafts, both pulleys should be flanged.

Table No. 1

7/8″ Pitch Drive Table

Nominal Ratio	Pulley Combination				Avail-able Belt Widths			Driven Speeds and Horsepower for 1" Wide belt					
	Driver		Driven					1750 RPM Motor		1160 RPM Motor		870 RPM Motor	
	Number Grooves	Pitch Dia.	Number Grooves	Pitch Dia.	200	300	400	Driven Speed	HP for 1" Belt	Driven Speed	HP for 1" Belt	Driven Speed	HP for 1" Belt
1.00	18	5.013	18	5.013	X	X	X	1750	*12.63	1160	*8.62	870	*6.53
1.00	20	5.570	20	5.570	X	X	X	1750	*13.86	1160	*9.53	870	*7.23
1.00	21	5.849	21	5.849	X	X	-	1750	*14.45	1160	*9.97	870	*7.58
1.00	22	6.127	22	6.127	X	X	X	1750	*15.03	1160	*10.42	870	7.93
1.00	23	6.406	23	6.406	X	X	X	1750	*15.60	1160	*10.86	870	8.27
1.00	24	6.685	24	6.685	X	X	X	1750	*16.15	1160	11.29	870	8.62
1.00	25	6.963	25	6.963	X	X	-	1750	*16.68	1160	11.72	870	8.96
1.00	26	7.242	26	7.242	X	X	X	1750	17.20	1160	12.14	870	9.30
1.00	27	7.520	27	7.520	X	X	-	1750	17.70	1160	12.56	870	9.64
1.00	28	7.799	28	7.799	X	X	X	1750	18.18	1160	12.98	870	9.97
1.00	29	8.077	29	8.077	X	X	-	1750	18.64	1160	13.39	870	10.31
1.00	30	8.356	30	8.356	X	X	X	1750	19.08	1160	13.79	870	10.64
1.00	32	8.913	32	8.913	X	X	X	1750	19.90	1160	14.58	870	11.29
1.00	36	10.027	36	10.027	X	X	X	1750	21.27	1160	16.08	870	12.56
1.00	40	11.141	40	11.141	X	X	X	1750	22.25	1160	17.46	870	13.79
1.03	29	8.077	30	8.356	X	X	-	1692	18.64	1121	13.39	841	10.31
1.04	23	6.406	24	6.685	X	X	X	1677	*15.60	1112	*10.86	834	8.27
1.04	24	6.685	25	6.963	X	X	-	1680	*16.15	1114	11.29	835	8.62
1.04	25	6.963	26	7.242	X	X	-	1683	*16.68	1115	11.72	837	8.96
1.04	26	7.242	27	7.520	X	X	-	1685	17.20	1117	12.14	838	9.30
1.04	27	7.520	28	7.799	X	X	-	1688	17.70	1119	12.56	839	9.64
1.04	28	7.799	29	8.077	X	X	-	1690	18.18	1120	12.98	840	9.97
1.05	20	5.570	21	5.849	X	X	-	1667	*13.86	1105	*9.53	829	*7.23
1.05	21	5.849	22	6.127	X	X	-	1670	*14.45	1107	*9.97	830	*7.58
1.05	22	6.127	23	6.406	X	X	X	1674	*15.03	1110	*10.42	832	7.93
1.07	27	7.520	29	8.077	X	X	-	1629	17.70	1080	12.56	810	9.64
1.07	28	7.799	30	8.356	X	X	X	1633	18.18	1083	12.98	812	9.97
1.07	30	8.356	32	8.913	X	X	X	1641	19.08	1088	13.79	816	10.64
1.08	24	6.685	26	7.242	X	X	X	1615	*16.15	1071	11.29	803	8.62
1.08	25	6.963	27	7.520	X	X	-	1620	*16.68	1074	11.72	806	8.96
1.08	26	7.242	28	7.799	X	X	X	1625	17.20	1077	12.14	808	9.30
1.09	22	6.127	24	6.685	X	X	X	1604	*15.03	1063	*10.42	798	7.93
1.09	23	6.406	25	6.963	X	X	-	1610	*15.60	1067	*10.86	800	8.27
1.10	20	5.570	22	6.127	X	X	X	1591	*13.86	1055	*9.53	791	*7.23
1.10	21	5.849	23	6.406	X	X	-	1598	*14.45	1059	*9.97	794	*7.58
1.10	29	8.077	32	8.913	X	X	-	1586	18.64	1051	13.39	788	10.31
1.11	18	5.013	20	5.570	X	X	X	1575	*12.63	1044	*8.62	783	*6.53
1.11	27	7.520	30	8.356	X	X	-	1575	17.70	1044	12.56	783	9.64
1.11	36	10.027	40	11.141	X	X	X	1575	21.27	1044	16.08	783	12.56
1.13	24	6.685	27	7.520	X	X	-	1556	*16.15	1031	11.29	773	8.62
1.12	25	6.963	28	7.799	X	X	-	1562	*16.68	1036	11.72	777	8.96
1.12	26	7.242	29	8.077	X	X	-	1569	17.20	1040	12.14	780	9.30
1.13	32	8.913	36	10.027	X	X	X	1556	19.90	1031	14.58	773	11.29
1.13	23	6.406	26	7.242	X	X	X	1548	*15.60	1026	*10.86	770	8.27
1.14	21	5.849	24	6.685	X	X	-	1531	*14.45	1015	*9.97	761	*7.58
1.14	22	6.127	25	6.963	X	X	-	1540	*15.03	1021	*10.42	766	7.93
1.14	28	7.799	32	8.913	X	X	X	1531	18.18	1015	12.98	761	9.97
1.15	20	5.570	23	6.406	X	X	X	1522	*13.86	1009	*9.53	757	*7.23
1.15	26	7.242	30	8.356	X	X	X	1517	17.20	1005	12.14	754	9.30
1.16	25	6.963	29	8.077	X	X	-	1509	*16.68	1000	11.72	750	8.96
1.17	18	5.013	21	5.849	X	X	-	1500	*12.63	994	*8.62	746	*6.53
1.17	23	6.406	27	7.520	X	X	-	1491	*15.60	988	*10.86	741	8.27
1.17	24	6.685	28	7.799	X	X	X	1500	*16.15	994	11.29	746	8.62
1.18	22	6.127	26	7.242	X	X	X	1481	*15.03	982	*10.42	736	7.93
1.19	21	5.849	25	6.963	X	X	-	1470	*14.45	974	*9.97	731	*7.58
1.19	27	7.520	32	8.913	X	X	-	1477	17.70	979	12.56	734	9.64
1.20	20	5.570	24	6.685	X	X	X	1458	*13.86	967	*9.53	725	*7.23
1.20	25	6.963	30	8.356	X	X	-	1458	*16.68	967	11.72	725	8.96
1.20	30	8.356	36	10.027	X	X	X	1458	19.08	967	13.79	725	10.64
1.20	40	11.141	48	13.369	X	X	X	1458	22.25	967	17.46	725	13.79
1.21	24	6.685	29	8.077	X	X	-	1448	*16.15	960	11.29	720	8.62
1.22	18	5.013	22	6.127	X	X	X	1432	*12.63	949	*8.62	712	*6.53
1.22	23	6.406	28	7.799	X	X	X	1438	*15.60	953	*10.86	715	8.27
1.23	22	6.127	27	7.520	X	X	-	1426	*15.03	945	*10.42	709	7.93
1.23	26	7.242	32	8.913	X	X	X	1422	17.20	943	12.14	707	9.30
1.24	21	5.849	26	7.242	X	X	-	1413	*14.45	937	*9.97	703	*7.58
1.24	29	8.077	36	10.027	X	X	-	1410	18.64	934	13.39	701	10.31
1.25	20	5.570	25	6.963	X	X	-	1400	*13.86	928	*9.53	696	*7.23
1.25	24	6.685	30	8.356	X	X	X	1400	*16.15	928	11.29	696	8.62
1.25	32	8.913	40	11.141	X	X	X	1400	19.90	928	14.58	696	11.29

Horsepower Ratings shown in these tables are for a 1" wide belt. To find the belt width required, divide the **NORMAL RATING** (See Page E-21) of the drive by the Horsepower shown in the table above. The result is the "Effective Belt Width". Using this, or the next higher figure, determine the "Actual Belt Width" from the following table:

Effective Belt Width……..	**1.00"**	**1.29"**	**1.56"**	**2.14"**	**2.72"**	**3.36"**	**4.76"**	**6.15"**	**7.50"**	**10.32"**	**13.10"**	**15.84"**	**18.62"**
Actual Belt Width……..	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8	10	12	14

*This rating is for a pulley below the minimum recommended on page E-22 and, therefore, a reduction in belt life should be expected.

Table No. 1

7/8″ Pitch Drive Table

Nominal Ratio	Pulley Combination		Nominal Center Distances using Browning® Gearbelt®											
	Driver	Driven												
	Number Grooves	Number Grooves	507 XH	560 XH	630 XH	700 XH	770 XH	840 XH	980 XH	1120 XH	1260 XH	1400 XH	1540 XH	1750 XH
1.00	18	18	17.5	20.1	23.6	27.1	30.6	34.1	41.1	48.1	55.1	62.1	69.1	79.6
1.00	20	20	16.6	19.3	22.8	26.3	29.8	33.3	40.3	47.3	54.3	61.3	68.3	78.8
1.00	21	21	16.2	18.8	22.3	25.8	29.3	32.8	39.8	46.8	53.8	60.8	67.8	78.3
1.00	22	22	15.8	18.4	21.9	25.4	28.9	32.4	39.4	46.4	53.4	60.4	67.4	77.9
1.00	23	23	15.3	17.9	21.4	24.9	28.4	31.9	38.9	45.9	52.9	59.9	66.9	77.4
1.00	24	24	14.9	17.5	21.0	24.5	28.0	31.5	38.5	45.5	52.5	59.5	66.5	77.0
1.00	25	25	14.4	17.1	20.6	24.1	27.6	31.1	38.1	45.1	52.1	59.1	66.1	76.6
1.00	26	26	14.0	16.6	20.1	23.6	27.1	30.6	37.6	44.6	51.6	58.6	65.6	76.1
1.00	27	27	13.6	16.2	19.7	23.2	26.7	30.2	37.2	44.2	51.2	58.2	65.2	75.7
1.00	28	28	13.1	15.8	19.3	22.8	26.3	29.8	36.8	43.8	50.8	57.8	64.8	75.3
1.00	29	29	12.7	15.3	18.8	22.3	25.8	29.3	36.3	43.3	50.3	57.3	64.3	74.8
1.00	30	30	12.3	14.9	18.4	21.9	25.4	28.9	35.9	42.9	49.9	56.9	63.9	74.4
1.00	32	32	11.4	14.0	17.5	21.0	24.5	28.0	35.0	42.0	49.0	56.0	63.0	73.5
1.00	36	36	—	12.3	15.8	19.3	22.8	26.3	33.3	40.3	47.3	54.3	61.3	71.8
1.00	40	40	—	—	14.0	17.5	21.0	24.5	31.5	38.5	45.5	52.5	59.5	70.0
1.03	29	30	12.5	15.1	18.6	22.1	25.6	29.1	36.1	43.1	50.1	57.1	64.1	74.6
1.04	23	24	15.1	17.7	21.2	24.7	28.2	31.7	38.7	45.7	52.7	59.7	66.7	77.2
1.04	24	25	14.7	17.3	20.8	24.3	27.8	31.3	38.3	45.3	52.3	59.3	66.3	76.8
1.04	25	26	14.2	16.8	20.3	23.8	27.3	30.8	37.8	44.8	51.8	58.8	65.8	76.3
1.04	26	27	13.8	16.4	19.9	23.4	26.9	30.4	37.4	44.4	51.4	58.4	65.4	75.9
1.04	27	28	13.3	16.0	19.5	23.0	26.5	30.0	37.0	44.0	51.0	58.0	65.0	75.5
1.04	28	29	12.9	15.5	19.0	22.5	26.0	29.5	36.5	43.5	50.5	57.5	64.5	75.0
1.05	20	21	16.4	19.0	22.5	26.0	29.5	33.0	40.0	47.0	54.0	61.0	68.0	78.5
1.05	21	22	16.0	18.6	22.1	25.6	29.1	32.6	39.6	46.6	53.6	60.6	67.6	78.1
1.05	22	23	15.5	18.2	21.7	25.2	28.7	32.2	39.2	46.2	53.2	60.2	67.2	77.7
1.07	27	29	13.1	15.8	19.3	22.8	26.3	29.8	36.8	43.8	50.8	57.8	64.8	75.3
1.07	28	30	12.7	15.3	18.8	22.3	25.8	29.3	36.3	43.3	50.3	57.3	64.3	74.8
1.07	30	32	11.8	14.4	17.9	21.4	24.9	28.4	35.4	42.4	49.4	56.4	63.4	73.9
1.08	24	26	14.4	17.1	20.6	24.1	27.6	31.1	38.1	45.1	52.1	59.1	66.1	76.6
1.08	25	27	14.0	16.6	20.1	23.6	27.1	30.6	37.6	44.6	51.6	58.6	65.6	76.1
1.08	26	28	13.6	16.2	19.7	23.2	26.7	30.2	37.2	44.2	51.2	58.2	65.2	75.7
1.09	22	24	15.3	17.9	21.4	24.9	28.4	31.9	38.9	45.9	52.9	59.9	66.9	77.4
1.09	23	25	14.9	17.5	21.0	24.5	28.0	31.5	38.5	45.5	52.5	59.5	66.5	77.0
1.10	20	22	16.2	18.8	22.3	25.8	29.3	32.8	39.8	46.8	53.8	60.8	67.8	78.3
1.10	21	23	15.8	18.4	21.9	25.4	28.9	32.4	39.4	46.4	53.4	60.4	67.4	77.9
1.10	29	32	12.0	14.7	18.2	21.7	25.2	28.7	35.7	42.7	49.7	56.7	63.7	74.2
1.11	18	20	17.1	19.7	23.2	26.7	30.2	33.7	40.7	47.7	54.7	61.7	68.7	79.2
1.11	27	30	12.9	15.5	19.0	22.5	26.0	29.5	36.5	43.5	50.5	57.5	64.5	75.0
1.11	36	40	—	—	14.9	18.4	21.9	25.4	32.4	39.4	46.4	53.4	60.4	70.9
1.13	24	27	14.2	16.8	20.3	23.8	27.3	30.8	37.8	44.8	51.8	58.8	65.8	76.3
1.12	25	28	13.8	16.4	19.9	23.4	26.9	30.4	37.4	44.4	51.4	58.4	65.4	75.9
1.12	26	29	13.3	16.0	19.5	23.0	26.5	30.0	37.0	44.0	51.0	58.0	65.0	75.5
1.13	32	36	10.5	13.1	16.6	20.1	23.6	27.1	34.1	41.1	48.1	55.1	62.1	72.6
1.13	23	26	14.7	17.3	20.8	24.3	27.8	31.3	38.3	45.3	52.3	59.3	66.3	76.8
1.14	21	24	15.5	18.2	21.7	25.2	28.7	32.2	39.2	46.2	53.2	60.2	67.2	77.7
1.14	22	25	15.1	17.7	21.2	24.7	28.2	31.7	38.7	45.7	52.7	59.7	66.7	77.2
1.14	28	32	12.2	14.9	18.4	21.9	25.4	28.9	35.9	42.9	49.9	56.9	63.9	74.4
1.15	20	23	16.0	18.6	22.1	25.6	29.1	32.6	39.6	46.6	53.6	60.6	67.6	78.1
1.15	26	30	13.1	15.7	19.2	22.7	26.3	29.8	36.8	43.8	50.8	57.8	64.8	75.3
1.16	25	29	13.6	16.2	19.7	23.2	26.7	30.2	37.2	44.2	51.2	58.2	65.2	75.7
1.17	18	21	16.8	19.5	23.0	26.5	30.0	33.5	40.5	47.5	54.5	61.5	68.5	79.0
1.17	23	27	14.4	17.1	20.6	24.1	27.6	31.1	38.1	45.1	52.1	59.1	66.1	76.6
1.17	24	28	14.0	16.6	20.1	23.6	27.1	30.6	37.6	44.6	51.6	58.6	65.6	76.1
1.18	22	26	14.9	17.5	21.0	24.5	28.0	31.5	38.5	45.5	52.5	59.5	66.5	77.0
1.19	21	25	15.3	17.9	21.4	24.9	28.4	31.9	38.9	45.9	52.9	59.9	66.9	77.4
1.19	27	32	12.5	15.1	18.6	22.1	25.6	29.1	36.1	43.1	50.1	57.1	64.1	74.6
1.20	20	24	15.7	18.4	21.9	25.4	28.9	32.4	39.4	46.4	53.4	60.4	67.4	77.9
1.20	25	30	13.3	16.0	19.5	23.0	26.5	30.0	37.0	44.0	51.0	58.0	65.0	75.5
1.20	30	36	10.9	13.5	17.0	20.6	24.1	27.6	34.6	41.6	48.6	55.6	62.6	73.1
1.20	40	48	—	—	—	15.7	19.2	22.7	29.7	36.7	43.7	50.7	57.7	68.3
1.21	24	29	13.8	16.4	19.9	23.4	26.9	30.4	37.4	44.4	51.4	58.4	65.4	75.9
1.22	18	22	16.6	19.2	22.7	26.2	29.7	33.2	40.3	47.3	54.3	61.3	68.3	78.8
1.22	23	28	14.2	16.8	20.3	23.8	27.3	30.8	37.8	44.8	51.8	58.8	65.8	76.3
1.23	22	27	14.6	17.3	20.8	24.3	27.8	31.3	38.3	45.3	52.3	59.3	66.3	76.8
1.23	26	32	12.7	15.3	18.8	22.3	25.8	29.3	36.3	43.3	50.3	57.3	64.3	74.8
1.24	21	26	15.1	17.7	21.2	24.7	28.2	31.7	38.7	45.7	52.7	59.7	66.7	77.2
1.24	29	36	11.1	13.8	17.3	20.8	24.3	27.8	34.8	41.8	48.8	55.8	62.8	73.3
1.25	20	25	15.5	18.1	21.7	25.2	28.7	32.2	39.2	46.2	53.2	60.2	67.2	77.7
1.25	24	30	13.5	16.2	19.7	23.2	26.7	30.2	37.2	44.2	51.2	58.2	65.2	75.7
1.25	32	40	—	12.2	15.7	19.2	22.7	26.2	33.2	40.2	47.2	54.2	61.2	71.7

Center Distances shown are theoretical; manufacturing tolerances on belt lengths and pulley diameters can affect the actual center distance of a drive. Belt Numbers at the head of center distance columns indicate pitch length (multiplied by ten) and pitch. For example, a "700XH" belt is 70 inches long and is for use with 7/8 inch pitch pulleys. This part number must be completed by adding the belt width, for example, adding 300 to this number (making the complete part number read "700XH300") indicates that the belt is 3 inches wide.

When the center distance is 8 or more times the diameter of the small pulley or when drive operates on vertical shafts, both pulleys should be flanged.

Table No.1

7/8″ Pitch Drive Table

Nominal Ratio	Pulley Combination				Avail-able Belt Widths			Driven Speeds and Horsepower for 1" Wide belt					
	Driver		Driven					1750 RPM Motor		1160 RPM Motor		870 RPM Motor	
	Number Grooves	Pitch Dia.	Number Grooves	Pitch Dia.	200	300	400	Driven Speed	HP for 1" Belt	Driven Speed	HP for 1" Belt	Driven Speed	HP for 1" Belt
1.26	23	6.406	29	8.077	X	X	-	1388	*15.60	920	*10.86	690	8.27
1.27	22	6.127	28	7.799	X	X	X	1375	*15.03	911	*10.42	684	7.93
1.28	18	5.013	23	6.406	X	X	X	1370	*12.63	908	*8.62	681	*6.53
1.28	25	6.963	32	8.913	X	X	-	1367	*16.68	906	11.72	680	8.96
1.29	21	5.849	27	7.520	X	X	-	1361	*14.45	902	*9.97	677	*7.58
1.29	28	7.799	36	10.027	X	X	X	1361	18.18	902	12.98	677	9.97
1.30	20	5.570	26	7.242	X	X	X	1346	*13.86	892	*9.53	669	*7.23
1.30	23	6.406	30	8.356	X	X	X	1342	*15.60	889	*10.86	667	8.27
1.32	22	6.127	29	8.077	X	X	-	1328	*15.03	880	*10.42	660	7.93
1.33	18	5.013	24	6.685	X	X	X	1313	*12.63	870	*8.62	653	*6.53
1.33	21	5.849	28	7.799	X	X	-	1313	*14.45	870	*9.97	653	*7.58
1.33	24	6.685	32	8.913	X	X	X	1313	*16.15	870	11.29	653	8.62
1.33	27	7.520	36	10.027	X	X	-	1313	17.70	870	12.56	653	9.64
1.33	30	8.356	40	11.141	X	X	X	1313	19.08	870	13.79	653	10.64
1.33	36	10.027	48	13.369	X	X	X	1313	21.27	870	16.08	653	12.56
1.35	20	5.570	27	7.520	X	X	-	1296	*13.86	859	*9.53	644	*7.23
1.36	22	6.127	30	8.356	X	X	X	1283	*15.03	851	*10.42	638	7.93
1.38	21	5.849	29	8.077	X	X	-	1267	*14.45	840	*9.97	630	*7.58
1.38	26	7.242	36	10.027	X	X	X	1264	17.20	838	12.14	628	9.30
1.38	29	8.077	40	11.141	X	X	-	1269	18.64	841	13.39	631	10.31
1.39	18	5.013	25	6.963	X	X	-	1260	*12.63	835	*8.62	626	*6.53
1.39	23	6.406	32	8.913	X	X	X	1258	*15.60	834	*10.86	625	8.27
1.40	20	5.570	28	7.799	X	X	X	1250	*13.86	829	*9.53	621	*7.23
1.43	21	5.849	30	8.356	X	X	-	1225	*14.45	812	*9.97	609	*7.58
1.43	28	7.799	40	11.141	X	X	X	1225	18.18	812	12.98	609	9.97
1.44	18	5.013	26	7.242	X	X	X	1212	*12.63	803	*8.62	602	*6.53
1.44	25	6.963	36	10.027	X	X	-	1215	*16.68	806	11.72	604	8.96
1.45	20	5.570	29	8.077	X	X	-	1207	*13.86	800	*9.53	600	*7.23
1.45	22	6.127	32	8.913	X	X	X	1203	*15.03	798	*10.42	598	7.93
1.48	27	7.520	40	11.141	X	X	-	1181	17.70	783	12.56	587	9.64
1.50	18	5.013	27	7.520	X	X	-	1167	*12.63	773	*8.62	580	*6.53
1.50	20	5.570	30	8.356	X	X	X	1167	*13.86	773	*9.53	580	*7.23
1.50	24	6.685	36	10.027	X	X	X	1167	*16.15	773	11.29	580	8.62
1.50	32	8.913	48	13.369	X	X	X	1167	19.90	773	14.58	580	11.29
1.50	40	11.141	60	16.711	X	X	X	1167	22.25	773	17.46	580	13.79
1.52	21	5.849	32	8.913	X	X	-	1148	*14.45	761	*9.97	571	*7.58
1.54	26	7.242	40	11.141	X	X	X	1138	17.20	754	12.14	566	9.30
1.56	18	5.013	28	7.799	X	X	X	1125	*12.63	746	*8.62	559	*6.53
1.57	23	6.406	36	10.027	X	X	X	1118	*15.60	741	*10.86	556	8.27
1.60	20	5.570	32	8.913	X	X	X	1094	*13.86	725	*9.53	544	*7.23
1.60	25	6.963	40	11.141	X	X	-	1094	*16.68	725	11.72	544	8.96
1.60	30	8.356	48	13.369	X	X	X	1094	19.08	725	13.79	544	10.64
1.61	18	5.013	29	8.077	X	X	-	1086	*12.63	720	*8.62	540	*6.53
1.64	22	6.127	36	10.027	X	X	X	1069	*15.03	709	*10.42	532	7.93
1.66	29	8.077	48	13.369	X	X	-	1057	18.64	701	13.39	526	10.31
1.67	18	5.013	30	8.356	X	X	X	1050	*12.63	696	*8.62	522	*6.53
1.67	24	6.685	40	11.141	X	X	X	1050	*16.15	696	11.29	522	8.62
1.67	36	10.027	60	16.711	X	X	X	1050	21.27	696	16.08	522	12.56
1.71	21	5.849	36	10.027	X	X	-	1021	*14.45	677	*9.97	508	*7.58
1.71	28	7.799	48	13.369	X	X	X	1021	18.18	677	12.98	508	9.97
1.74	23	6.406	40	11.141	X	X	X	1006	*15.60	667	*10.86	500	8.27
1.78	18	5.013	32	8.913	X	X	X	984	*12.63	653	*8.62	489	*6.53
1.78	27	7.520	48	13.369	X	X	-	984	17.70	653	12.56	489	9.64
1.80	20	5.570	36	10.027	X	X	X	972	*13.86	644	*9.53	483	*7.23
1.80	40	11.141	72	20.054	X	X	X	972	22.25	644	17.46	483	13.79
1.82	22	6.127	40	11.141	X	X	X	963	*15.03	638	*10.42	479	7.93
1.85	26	7.242	48	13.369	X	X	X	948	17.20	628	12.14	471	9.30
1.88	32	8.913	60	16.711	X	X	X	933	19.90	619	14.58	464	11.29
1.90	21	5.849	40	11.141	X	X	-	919	*14.45	609	*9.97	457	*7.58
1.92	25	6.963	48	13.369	X	X	-	911	*16.68	604	11.72	453	8.96
2.00	18	5.013	36	10.027	X	X	X	875	*12.63	580	*8.62	435	*6.53
2.00	20	5.570	40	11.141	X	X	X	875	*13.86	580	*9.53	435	*7.23
2.00	24	6.685	48	13.369	X	X	X	875	*16.15	580	11.29	435	8.62
2.00	30	8.356	60	16.711	X	X	X	875	19.08	580	13.79	435	10.64
2.00	36	10.027	72	20.054	X	X	X	875	21.27	580	16.08	435	12.56
2.07	29	8.077	60	16.711	X	X	-	846	18.64	561	13.39	421	10.31
2.09	23	6.406	48	13.369	X	X	X	839	*15.60	556	*10.86	417	8.27
2.10	40	11.141	84	23.396	X	X	X	833	22.25	552	17.46	414	13.79
2.14	28	7.799	60	16.711	X	X	X	817	18.18	541	12.98	406	9.97
2.18	22	6.127	48	13.369	X	X	X	802	*15.03	532	*10.42	399	7.93

Horsepower Ratings shown in these tables are for a 1" wide belt. To find the belt width required, divide the **NORMAL RATING** (See Page E-21) of the drive by the Horsepower shown in the table above. The result is the "Effective Belt Width". Using this, or the next higher figure, determine the "Actual Belt Width" from the following table:

Effective Belt Width……..	**1.00"**	**1.29"**	**1.56"**	**2.14"**	**2.72"**	**3.36"**	**4.76"**	**6.15"**	**7.50"**	**10.32"**	**13.10"**	**15.84"**	**18.62"**
Actual Belt Width……..	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8	10	12	14

*This rating is for a pulley below the minimum recommended on page E-22 and, therefore, a reduction in belt life should be expected.

Table No. 1

7/8" Pitch Drive Table

Nominal Ratio	Pulley Combination Driver Number Grooves	Pulley Combination Driven Number Grooves	Nominal Center Distances using Browning® Gearbelt® 507 XH	560 XH	630 XH	700 XH	770 XH	840 XH	980 XH	1120 XH	1260 XH	1400 XH	1540 XH	1750 XH
1.26	23	29	14.0	16.6	20.1	23.6	27.1	30.6	37.6	44.6	51.6	58.6	65.6	76.1
1.27	22	28	14.4	17.0	20.6	24.1	27.6	31.1	38.1	45.1	52.1	59.1	66.1	76.6
1.28	18	23	16.4	19.0	22.5	26.0	29.5	33.0	40.0	47.0	54.0	61.0	68.0	78.5
1.28	25	32	12.9	15.5	19.0	22.5	26.0	29.5	36.5	43.5	50.5	57.5	64.5	75.0
1.29	21	27	14.9	17.5	21.0	24.5	28.0	31.5	38.5	45.5	52.5	59.5	66.5	77.0
1.29	28	36	11.3	14.0	17.5	21.0	24.5	28.0	35.0	42.0	49.0	56.0	63.0	73.5
1.30	20	26	15.3	17.9	21.4	24.9	28.4	31.9	38.9	45.9	52.9	59.9	66.9	77.4
1.30	23	30	13.8	16.4	19.9	23.4	26.9	30.4	37.4	44.4	51.4	58.4	65.4	75.9
1.32	22	29	14.2	16.8	20.3	23.8	27.3	30.8	37.8	44.8	51.8	58.8	65.8	76.3
1.33	18	24	16.2	18.8	22.3	25.8	29.3	32.8	39.8	46.8	53.8	60.8	67.8	78.3
1.33	21	28	14.6	17.3	20.8	24.3	27.8	31.3	38.3	45.3	52.3	59.3	66.3	76.8
1.33	24	32	13.1	15.7	19.2	22.7	26.2	29.7	36.7	43.7	50.7	57.7	64.7	75.2
1.33	27	36	11.5	14.2	17.7	21.2	24.7	28.2	35.2	42.2	49.2	56.2	63.2	73.7
1.33	30	40	—	12.6	16.1	19.6	23.2	26.7	33.7	40.7	47.7	54.7	61.7	72.2
1.33	36	48	—	—	13.0	16.5	20.1	23.6	30.6	37.6	44.6	51.6	58.6	69.1
1.35	20	27	15.1	17.7	21.2	24.7	28.2	31.7	38.7	45.7	52.7	59.7	66.7	77.2
1.36	22	30	14.0	16.6	20.1	23.6	27.1	30.6	37.6	44.6	51.6	58.6	65.6	76.1
1.38	21	29	14.4	17.0	20.5	24.0	27.5	31.0	38.1	45.1	52.1	59.1	66.1	76.6
1.38	26	36	11.7	14.4	17.9	21.4	24.9	28.4	35.4	42.4	49.4	56.4	63.4	73.9
1.38	29	40	—	12.8	16.3	19.9	23.4	26.9	33.9	40.9	47.9	54.9	61.9	72.4
1.39	18	25	15.9	18.6	22.1	25.6	29.1	32.6	39.6	46.6	53.6	60.6	67.6	78.1
1.39	23	32	13.3	15.9	19.4	22.9	26.4	29.9	37.0	44.0	51.0	58.0	65.0	75.5
1.40	20	28	14.8	17.5	21.0	24.5	28.0	31.5	38.5	45.5	52.5	59.5	66.5	77.0
1.43	21	30	14.2	16.8	20.3	23.8	27.3	30.8	37.8	44.8	51.8	58.8	65.8	76.3
1.43	28	40	10.4	13.0	16.5	20.1	23.6	27.1	34.1	41.1	48.1	55.1	62.1	72.6
1.44	18	26	15.7	18.3	21.9	25.4	28.9	32.4	39.4	46.4	53.4	60.4	67.4	77.9
1.44	25	36	11.9	14.6	18.1	21.6	25.1	28.6	35.6	42.6	49.6	56.6	63.6	74.1
1.45	20	29	14.6	17.2	20.7	24.3	27.8	31.3	38.3	45.3	52.3	59.3	66.3	76.8
1.45	22	32	13.5	16.1	19.6	23.2	26.7	30.2	37.2	44.2	51.2	58.2	65.2	75.7
1.48	27	40	10.6	13.2	16.8	20.3	23.8	27.3	34.3	41.3	48.3	55.3	62.3	72.8
1.50	18	27	15.5	18.1	21.6	25.1	28.6	32.1	39.1	46.1	53.1	60.1	67.1	77.7
1.50	20	30	14.4	17.0	20.5	24.0	27.5	31.0	38.0	45.0	52.0	59.1	66.1	76.6
1.50	24	36	12.1	14.8	18.3	21.8	25.3	28.8	35.8	42.8	49.9	56.9	63.9	74.4
1.50	32	48	—	—	13.8	17.4	20.9	24.4	31.4	38.4	45.5	52.5	59.5	70.0
1.50	40	60	—	—	—	—	16.4	19.9	27.0	34.0	41.0	48.1	55.1	65.6
1.52	21	32	13.7	16.3	19.9	23.4	26.9	30.4	37.4	44.4	51.4	58.4	65.4	75.9
1.54	26	40	10.8	13.4	17.0	20.5	24.0	27.5	34.5	41.5	48.5	55.5	62.5	73.0
1.56	18	28	15.3	17.9	21.4	24.9	28.4	31.9	38.9	45.9	52.9	59.9	66.9	77.4
1.57	23	36	12.3	15.0	18.5	22.0	25.5	29.0	36.1	43.1	50.1	57.1	64.1	74.6
1.60	20	32	13.9	16.5	20.1	23.6	27.1	30.6	37.6	44.6	51.6	58.6	65.6	76.1
1.60	25	40	11.0	13.6	17.2	20.7	24.2	27.7	34.7	41.7	48.7	55.7	62.8	73.3
1.60	30	48	—	—	14.2	17.8	21.3	24.8	31.8	38.9	45.9	52.9	59.9	70.4
1.61	18	29	15.0	17.7	21.2	24.7	28.2	31.7	38.7	45.7	52.7	59.7	66.7	77.2
1.64	22	36	12.5	15.2	18.7	22.2	25.7	29.3	36.3	43.3	50.3	57.3	64.3	74.8
1.66	29	48	—	—	14.4	18.0	21.5	25.0	32.1	39.1	46.1	53.1	60.1	70.6
1.67	18	30	14.8	17.4	20.9	24.4	28.0	31.5	38.5	45.5	52.5	59.5	66.5	77.0
1.67	24	40	11.2	13.8	17.4	20.9	24.4	27.9	34.9	41.9	49.0	56.0	63.0	73.5
1.67	36	60	—	—	—	—	17.2	20.7	27.8	34.9	41.9	48.9	55.9	66.4
1.71	21	36	12.7	15.4	18.9	22.4	26.0	29.5	36.5	43.5	50.5	57.5	64.5	75.0
1.71	28	48	—	—	14.6	18.2	21.7	25.2	32.3	39.3	46.3	53.3	60.3	70.8
1.74	23	40	11.4	14.0	17.6	21.1	24.6	28.1	35.1	42.2	49.2	56.2	63.2	73.7
1.78	18	32	14.3	17.0	20.5	24.0	27.5	31.0	38.0	45.0	52.0	59.0	66.0	76.5
1.78	27	48	—	—	14.8	18.4	21.9	25.4	32.5	39.5	46.5	53.5	60.5	71.0
1.80	20	36	12.9	15.6	19.1	22.6	26.2	29.7	36.7	43.7	50.7	57.7	64.7	75.2
1.80	40	72	—	—	—	—	—	16.9	24.1	31.2	38.3	45.3	52.3	62.9
1.82	22	40	11.5	14.2	17.8	21.3	24.8	28.3	35.4	42.4	49.4	56.4	63.4	73.9
1.85	26	48	—	11.4	15.0	18.6	22.1	25.6	32.7	39.7	46.7	53.7	60.7	71.3
1.88	32	60	—	—	—	14.4	18.0	21.5	28.6	35.7	42.7	49.7	56.8	67.3
1.90	21	40	11.7	14.4	18.0	21.5	25.0	28.5	35.6	42.6	49.6	56.6	63.6	74.1
1.92	25	48	—	11.6	15.2	18.8	22.3	25.8	32.9	39.9	46.9	53.9	61.0	71.5
2.00	18	36	13.3	16.0	19.5	23.1	26.6	30.1	37.1	44.1	51.1	58.1	65.1	75.7
2.00	20	40	11.9	14.6	18.2	21.7	25.2	28.7	35.8	42.8	49.8	56.8	63.8	74.3
2.00	24	48	—	11.8	15.4	19.0	22.5	26.0	33.1	40.1	47.1	54.2	61.2	71.7
2.00	30	60	—	—	—	14.7	18.3	21.9	29.0	36.1	43.1	50.1	57.2	67.7
2.00	36	72	—	—	—	—	—	17.7	24.9	32.0	39.1	46.1	53.2	63.7
2.07	29	60	—	—	—	14.9	18.5	22.1	29.2	36.3	43.3	50.4	57.4	67.9
2.09	23	48	—	12.0	15.6	19.2	22.7	26.2	33.3	40.3	47.3	54.4	61.4	71.9
2.10	40	84	—	—	—	—	—	—	21.0	28.2	35.4	42.4	49.5	60.1
2.14	28	60	—	—	—	15.1	18.7	22.3	29.4	36.5	43.5	50.6	57.6	68.1
2.18	22	48	—	12.2	15.8	19.4	22.9	26.4	33.5	40.5	47.6	54.6	61.6	72.1

Center Distances shown are theoretical; manufacturing tolerances on belt lengths and pulley diameters can affect the actual center distance of a drive. Belt Numbers at the head of center distance columns indicate pitch length (multiplied by ten) and pitch. For example, a "700XH" belt is 70 inches long and is for use with 7/8 inch pitch pulleys. This part number must be completed by adding the belt width, for example, adding 300 to this number (making the complete part number read "700XH300") indicates that the belt is 3 inches wide.

When the center distance is 8 or more times the diameter of the small pulley or when drive operates on vertical shafts, both pulleys should be flanged.

Table No. 1 **7/8″ Pitch DriveTable**

Nominal Ratio	Pulley Combination				Available Belt Widths			Driven Speeds and Horsepower for 1″ Wide Belt					
	Driver		Driven					1750 RPM Motor		1160 RPM Motor		870 RPM Motor	
	Number Grooves	Pitch Dia.	Number Grooves	Pitch Dia.	200	300	400	Driven Speed	HP for 1″ Belt	Driven Speed	HP for 1″ Belt	Driven Speed	HP for 1″ Belt
2.22	18	5.013	40	11.141	x	x	x	788	*12.63	522	*8.62	392	*6.53
2.22	27	7.520	60	16.711	x	x	-	788	17.70	522	12.56	392	9.64
2.25	32	8.913	72	20.054	x	x	x	778	19.90	516	14.58	387	11.29
2.29	21	5.849	48	13.369	x	x	-	766	*14.45	508	*9.97	381	*7.58
2.31	26	7.242	60	16.711	x	x	x	758	17.20	503	12.14	377	9.30
2.33	36	10.027	84	23.396	x	x	x	750	21.27	497	16.08	373	12.56
2.40	20	5.570	48	13.369	x	x	x	729	*13.86	483	*9.53	363	*7.23
2.40	25	6.963	60	16.711	x	x	-	729	*16.68	483	11.72	363	8.96
2.40	30	8.356	72	20.054	x	x	x	729	19.08	483	13.79	363	10.64
2.40	40	11.141	96	26.738	x	x	x	729	22.25	483	17.46	363	13.79
2.48	29	8.077	72	20.054	x	x	-	705	18.64	467	13.39	350	10.31
2.50	24	6.685	60	16.711	x	x	x	700	*16.15	464	11.29	348	8.62
2.57	28	7.799	72	20.054	x	x	x	681	18.18	451	12.98	338	9.97
2.61	23	6.406	60	16.711	x	x	x	671	*15.60	445	*10.86	334	8.27
2.63	32	8.913	84	23.396	x	x	x	667	19.90	442	14.58	331	11.29
2.67	18	5.013	48	13.369	x	x	x	656	*12.63	435	*8.62	326	*6.53
2.67	27	7.520	72	20.054	x	x	-	656	17.70	435	12.56	326	9.64
2.67	36	10.027	96	26.738	x	x	x	656	21.27	435	16.08	326	12.56
2.73	22	6.127	60	16.711	x	x	x	642	*15.03	425	*10.42	319	7.93
2.77	26	7.242	72	20.054	x	x	x	632	17.20	419	12.14	314	9.30
2.80	30	8.356	84	23.396	x	x	x	625	19.08	414	13.79	311	10.64
2.86	21	5.849	60	16.711	x	x	-	613	*14.45	406	*9.97	305	*7.58
2.88	25	6.963	72	20.054	x	x	-	608	16.68	403	11.72	302	8.96
2.90	29	8.077	84	23.396	x	x	-	604	18.64	400	13.39	300	10.31
3.00	20	5.570	60	16.711	x	x	x	583	*13.86	387	*9.53	290	*7.23
3.00	24	6.685	72	20.054	x	x	x	583	*16.15	387	11.29	290	8.62
3.00	28	7.799	84	23.396	x	x	x	583	18.18	387	12.98	290	9.97
3.00	32	8.913	96	26.738	x	x	x	583	19.90	387	14.58	290	11.29
3.00	40	11.141	120	33.423	x	x	x	583	22.25	387	17.46	290	13.79
3.11	27	7.520	84	23.396	x	x	-	563	17.70	373	12.56	280	9.64
3.13	23	6.406	72	20.054	x	x	x	559	*15.60	371	*10.86	278	8.27
3.20	30	8.356	96	26.738	x	x	x	547	19.08	363	13.79	272	10.64
3.23	26	7.242	84	23.396	x	x	x	542	17.20	359	12.14	269	9.30
3.27	22	6.127	72	20.054	x	x	x	535	*15.03	354	*10.42	266	7.93
3.31	29	8.077	96	26.738	x	x	-	529	18.64	350	13.39	263	10.31
3.33	18	5.013	60	16.711	x	x	x	525	*12.63	348	*8.62	261	*6.53
3.33	36	10.027	120	33.423	x	x	x	525	21.27	348	16.08	261	12.56
3.36	25	6.963	84	23.396	x	x	-	521	*16.68	345	11.72	259	8.96
3.43	21	5.849	72	20.054	x	x	-	510	*14.45	338	*9.97	254	*7.58
3.43	28	7.799	96	26.738	x	x	x	510	18.18	338	12.98	254	9.97
3.50	24	6.685	84	23.396	x	x	x	500	*16.15	331	11.29	249	8.62
3.56	27	7.520	96	26.738	x	x	-	492	17.70	326	12.56	245	9.64
3.60	20	5.570	72	20.054	x	x	x	486	*13.86	322	*9.53	242	*7.23
3.65	23	6.406	84	23.396	x	x	x	479	*15.60	318	*10.86	238	8.27
3.69	26	7.242	96	26.738	x	x	x	474	17.20	314	12.14	236	9.30
3.75	32	8.913	120	33.423	x	x	x	467	19.90	309	14.58	232	11.29
3.82	22	6.127	84	23.396	x	x	x	458	*15.03	304	*10.42	228	7.93
3.84	25	6.963	96	26.738	x	x	-	456	*16.68	302	11.72	227	8.96
4.00	18	5.013	72	20.054	x	x	x	438	*12.63	290	*8.62	218	*6.53
4.00	21	5.849	84	23.396	x	x	-	438	*14.45	290	*9.97	218	*7.58
4.00	24	6.685	96	26.738	x	x	x	438	*16.15	290	11.29	218	8.62
4.00	30	8.356	120	33.423	x	x	x	438	19.08	290	13.79	218	10.64
4.14	29	8.077	120	33.423	x	x	-	423	18.64	280	13.39	210	10.31
4.17	23	6.406	96	26.738	x	x	x	419	*15.60	278	*10.86	208	8.27
4.20	20	5.570	84	23.396	x	x	x	417	*13.86	276	*9.53	207	*7.23
4.29	28	7.799	120	33.423	x	x	x	408	18.18	271	12.98	203	9.97
4.36	22	6.127	96	26.738	x	x	x	401	*15.03	266	*10.42	199	7.93
4.44	27	7.520	120	33.423	x	x	-	394	17.70	261	12.56	196	9.64
4.57	21	5.849	96	26.738	x	x	-	383	*14.45	254	*9.97	190	*7.58
4.62	26	7.242	120	33.423	x	x	x	379	17.20	251	12.14	189	9.30
4.67	18	5.013	84	23.396	x	x	x	375	*12.63	249	*8.62	186	*6.53
4.80	20	5.570	96	26.738	x	x	x	365	*13.86	242	*9.53	181	*7.23
4.80	25	6.963	120	33.423	x	x	-	365	*16.68	242	11.72	181	8.96
5.00	24	6.685	120	33.423	x	x	x	350	*16.15	232	11.29	174	8.62
5.22	23	6.406	120	33.423	x	x	x	335	*15.60	222	*10.86	167	8.27
5.33	18	5.013	96	26.738	x	x	x	328	*12.63	218	*8.62	163	*6.53
5.45	22	6.127	120	33.423	x	x	x	321	*15.03	213	*10.42	160	7.93
5.71	21	5.849	120	33.423	x	x	-	306	*14.45	203	*9.97	152	*7.58
6.00	20	5.570	120	33.423	x	x	x	292	*13.86	193	*9.53	145	*7.23
6.67	18	5.013	120	33.423	x	x	x	263	*12.63	174	*8.62	131	*6.53

Horsepower Ratings shown in these tables are for a 1" wide belt. To find the belt width required, divide the **NORMAL RATING** (See Page E-21) of the drive by the Horsepower shown in the table above. The result is the "Effective Belt Width". Using this, or the next higher figure, determine the "Actual Belt Width" from the following table:

Effective Belt Width……..	**1.00"**	**1.29"**	**1.56"**	**2.14"**	**2.72"**	**3.36"**	**4.76"**	**6.15"**	**7.50"**	**10.32"**	**13.10"**	**15.84"**	**18.62"**
Actual Belt Width……..	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8	10	12	14

*This rating is for a pulley below the minimum recommended on page E-22 and, therefore, a reduction in belt life should be expected.

Table No. 1

7/8″ Pitch Drive Table

Nominal Ratio	Pulley Combination Driver Number Grooves	Pulley Combination Driven Number Grooves	Nominal Center Distances using Browning® Gearbelt® 507 XH	560 XH	630 XH	700 XH	770 XH	840 XH	980 XH	1120 XH	1260 XH	1400 XH	1540 XH	1750 XH
2.22	18	40	12.3	15.0	18.6	22.1	25.6	29.2	36.2	43.2	50.2	57.2	64.2	74.8
2.22	27	60	—	—	—	15.3	18.9	22.5	29.6	36.7	43.7	50.8	57.8	68.3
2.25	32	72	—	—	—	—	—	18.4	25.7	32.8	39.9	46.9	54.0	64.5
2.29	21	48	—	12.3	16.0	19.6	23.1	26.6	33.7	40.7	47.8	54.8	61.8	72.3
2.31	26	60	—	—	—	15.5	19.1	22.7	29.8	36.9	43.9	51.0	58.0	68.5
2.33	36	84	—	—	—	—	—	—	21.7	29.0	36.1	43.2	50.3	60.9
2.40	20	48	—	12.5	16.2	19.7	23.3	26.8	33.9	40.9	48.0	55.0	62.0	72.5
2.40	25	60	—	—	—	15.7	19.3	22.9	30.0	37.1	44.1	51.2	58.2	68.7
2.40	30	72	—	—	—	—	—	18.8	26.0	33.2	40.3	47.3	54.4	64.9
2.40	40	96	—	—	—	—	—	—	—	25.1	32.3	39.5	46.6	57.2
2.48	29	72	—	—	—	—	15.2	19.0	26.2	33.4	40.5	47.5	54.6	65.1
2.50	24	60	—	—	—	15.8	19.5	23.1	30.2	37.3	44.4	51.4	58.4	69.0
2.57	28	72	—	—	—	—	15.4	19.2	26.4	33.6	40.7	47.7	54.8	65.3
2.61	23	60	—	—	—	16.0	19.7	23.3	30.4	37.5	44.6	51.6	58.6	69.2
2.63	32	84	—	—	—	—	—	—	22.5	29.8	36.9	44.0	51.1	61.7
2.67	18	48	10.1	12.9	16.5	20.1	23.7	27.2	34.3	41.4	48.4	55.4	62.4	73.0
2.67	27	72	—	—	—	—	15.6	19.3	26.6	33.8	40.9	47.9	55.0	65.6
2.67	36	96	—	—	—	—	—	—	—	25.8	33.1	40.3	47.4	58.0
2.73	22	60	—	—	12.5	16.2	19.9	23.5	30.6	37.7	44.8	51.8	58.8	69.4
2.77	26	72	—	—	—	—	15.8	19.5	26.8	34.0	41.1	48.1	55.2	65.8
2.80	30	84	—	—	—	—	—	—	22.8	30.1	37.3	44.4	51.5	62.1
2.86	21	60	—	—	12.6	16.4	20.1	23.7	30.8	37.9	45.0	52.0	59.0	69.6
2.88	25	72	—	—	—	—	16.0	19.7	27.0	34.2	41.3	48.3	55.4	66.0
2.90	29	84	—	—	—	—	—	—	23.0	30.3	37.5	44.6	51.7	62.3
3.00	20	60	—	—	12.8	16.6	20.2	23.9	31.0	38.1	45.2	52.2	59.2	69.8
3.00	24	72	—	—	—	—	16.1	19.9	27.2	34.4	41.5	48.6	55.6	66.2
3.00	28	84	—	—	—	—	—	—	23.2	30.5	37.7	44.8	51.9	62.5
3.00	32	96	—	—	—	—	—	—	18.9	26.5	33.8	41.0	48.2	58.8
3.00	40	120	—	—	—	—	—	—	—	—	25.6	32.2	40.5	51.3
3.11	27	84	—	—	—	—	—	—	23.4	30.7	37.9	45.0	52.1	62.7
3.13	23	72	—	—	—	—	16.3	20.1	27.4	34.6	41.7	48.8	55.8	66.4
3.20	30	96	—	—	—	—	—	—	19.3	26.9	34.2	41.4	48.6	59.2
3.23	26	84	—	—	—	—	—	—	23.6	30.9	38.1	45.2	52.3	62.9
3.27	22	72	—	—	—	—	16.5	20.3	27.6	34.8	41.9	49.0	56.0	66.6
3.31	29	96	—	—	—	—	—	—	19.5	27.1	34.4	41.6	48.8	59.4
3.33	18	60	—	—	13.2	16.9	20.6	24.2	31.4	38.5	45.6	52.6	59.7	70.2
3.33	36	120	—	—	—	—	—	—	—	—	26.3	33.9	41.2	52.1
3.36	25	84	—	—	—	—	—	16.1	23.8	31.1	38.3	45.4	52.5	63.1
3.43	21	72	—	—	—	—	16.7	20.4	27.8	34.9	42.1	49.2	56.2	66.8
3.43	28	96	—	—	—	—	—	—	19.6	27.2	34.6	41.8	49.0	59.6
3.50	24	84	—	—	—	—	—	16.3	23.9	31.3	38.5	45.6	52.7	63.3
3.56	27	96	—	—	—	—	—	—	19.8	27.4	34.8	42.0	49.2	59.8
3.60	20	72	—	—	—	—	16.8	20.6	27.9	35.1	42.3	49.4	56.4	67.0
3.65	23	84	—	—	—	—	—	16.4	24.1	31.5	38.7	45.8	52.9	63.5
3.69	26	96	—	—	—	—	—	—	20.0	27.6	35.0	42.2	49.4	60.0
3.75	32	120	—	—	—	—	—	—	—	—	27.0	34.6	42.0	52.8
3.82	22	84	—	—	—	—	—	16.6	24.3	31.6	38.9	46.0	53.1	63.7
3.84	25	96	—	—	—	—	—	—	20.1	27.8	35.2	42.4	49.6	60.2
4.00	18	72	—	—	—	—	17.2	21.0	28.3	35.5	42.7	49.8	56.8	67.4
4.00	21	84	—	—	—	—	—	16.8	24.5	31.8	39.1	46.2	53.3	63.9
4.00	24	96	—	—	—	—	—	—	20.3	28.0	35.3	42.6	49.8	60.4
4.00	30	120	—	—	—	—	—	—	—	—	27.4	35.0	42.4	53.2
4.14	29	120	—	—	—	—	—	—	—	—	27.5	35.1	42.5	53.4
4.17	23	96	—	—	—	—	—		20.5	28.2	35.5	42.8	49.9	60.6
4.20	20	84	—	—	—	—	—	17.0	24.7	32.0	39.3	46.4	53.5	64.1
4.29	28	120	—	—	—	—	—	—	—	—	27.7	35.3	42.7	53.6
4.36	22	96	—	—	—	—	—	—	20.7	28.3	35.7	43.0	50.1	60.8
4.44	27	120	—	—	—	—	—	—			27.9	35.5	42.9	53.8
4.57	21	96	—	—	—	—	—	—	20.8	28.5	35.9	43.2	50.3	61.0
4.62	26	120	—	—	—	—	—	—	—	—	28.1	35.7	43.1	54.0
4.67	18	84	—	—	—	—	—	17.3 ⑤	25.0	32.4	39.6	46.8	53.9	64.5
4.80	20	96	—	—	—	—	—	—	21.0	28.7	36.1	43.3	50.5	61.2
4.80	25	120	—	—	—	—	—	—	—	—	28.2	35.9	43.3	54.2
5.00	24	120	—	—	—	—	—	—	—	—	28.4	36.0	43.5	54.4
5.22	23	120	—	—	—	—	—	—	—	—	28.6	36.2	43.6	54.6
5.33	18	96	—	—	—	—	—	—	21.3	29.1	36.5	43.7	50.9	61.6
5.45	22	120	—	—	—	—	—	—	—	—	28.7	36.4	43.8	54.8
5.71	21	120	—	—	—	—	—	—	—	20.7	28.9	36.6	44.0	54.9
6.00	20	120	—	—	—	—	—	—	—	20.9 ⑤	29.1	36.8	44.2	55.1
6.67	18	120	—	—	—	—	—	—	—	21.2 ⑤	29.4	37.1	44.6	55.5

Center Distances shown are theoretical; manufacturing tolerances on belt lengths and pulley diameters can affect the actual center distance of a drive. Belt Numbers at the head of center distance columns indicate pitch length (multiplied by ten) and pitch. For example, a "700XH" belt is 70 inches long and is for use with 7/8 inch pitch pulleys. This part number must be completed by adding the belt width, for example, adding 300 to this number (making the complete part number read "700XH300") indicates that the belt is 3 inches wide.

When the center distance for a specific pulley and belt combination is followed by a number in a circle, the horsepower for one inch wide belt must be multiplied by factor at right:

Teeth in Mesh	Factor
⑤	.80

When the center distance is 8 or more times the diameter of the small pulley or when drive operates on vertical shafts, both pulleys should be flanged.

Table No. 1

1 1/4″ Pitch Drive Table

Pulley Combination					Available Belt Widths				Driven Speeds and Horsepower for 1" Wide Belt						Nominal Center Distances Using Browning® Gearbelt®							
	Driver		Driven						1750 RPM Motor		1160 RPM Motor		870 RPM Motor									
Nominal Ratio	Number Grooves	Pitch Dia.	Number Grooves	Pitch Dia.	200	300	400	500	Driven Speed	HP for 1″ Belt	Driven Speed	HP for 1″ Belt	Driven Speed	HP for 1″ Belt	700 XXH	800 XXH	900 XXH	1000 XXH	1200 XXH	1400 XXH	1600 XXH	1800 XXH
1.00	18	7.162	18	7.162	x	x	x	x	1750	*20.77	1160	*14.69	870	*11.26	23.8	28.8	33.8	38.8	48.8	58.8	68.8	78.8
1.00	20	7.958	20	7.958	x	x	x	x	1750	*22.42	1160	*16.14	870	*12.43	22.5	27.5	32.5	37.5	47.5	57.5	67.5	77.5
1.00	22	8.754	22	8.754	x	x	x	x	1750	*23.87	1160	*17.52	870	13.58	21.3	26.3	31.3	36.3	46.3	56.3	66.3	76.3
1.00	24	9.549	24	9.549	x	x	x	x	1750	*25.10	1160	18.84	870	14.69	20.0	25.0	30.0	35.0	45.0	55.0	65.0	75.0
1.00	26	10.345	26	10.345	x	x	x	x	1750	26.08	1160	20.08	870	15.78	18.8	23.8	28.8	33.8	43.8	53.8	63.8	73.8
1.00	30	11.937	30	11.937	x	x	x	x	1750	27.21	1160	22.33	870	17.86	16.3	21.3	26.3	31.3	41.3	51.3	61.3	71.3
1.00	34	13.528	34	13.528	x	x	x	x	1750	—	1160	24.23	870	19.78	—	18.8	23.8	28.8	38.8	48.8	58.8	68.8
1.00	40	15.915	40	15.915	x	x	x	x	1750	—	1160	26.28	870	22.33	—	—	20.0	25.0	35.0	45.0	55.0	65.0
1.08	24	9.549	26	10.345	x	x	x	x	1615	*25.10	1071	18.84	803	14.69	19.4	24.4	29.4	34.4	44.4	54.4	64.4	74.4
1.09	22	8.754	24	9.549	x	x	x	x	1604	*23.87	1063	*17.52	798	13.58	20.6	25.6	30.6	35.6	45.6	55.6	65.6	75.6
1.10	20	7.958	22	8.754	x	x	x	x	1591	*22.42	1055	*16.14	791	*12.43	21.9	26.9	31.9	36.9	46.9	56.9	66.9	76.9
1.11	18	7.162	20	7.958	x	x	x	x	1575	*20.77	1044	*14.69	783	*11.26	23.1	28.1	33.1	38.1	48.1	58.1	68.1	78.1
1.13	30	11.937	34	13.528	x	x	x	x	1544	27.21	1024	22.33	768	17.86	15.0	20.0	25.0	30.0	40.0	50.0	60.0	70.0
1.15	26	10.345	30	11.937	x	x	x	x	1517	26.08	1005	20.08	754	15.78	17.5	22.5	27.5	32.5	42.5	52.5	62.5	72.5
1.18	22	8.754	26	10.345	x	x	x	x	1481	*23.87	982	*17.52	736	13.58	20.0	25.0	30.0	35.0	45.0	55.0	65.0	75.0
1.18	34	13.528	40	15.915	x	x	x	x	1488	—	986	24.23	740	19.78	—	16.8	21.9	26.9	36.9	46.9	56.9	66.9
1.20	20	7.958	24	9.549	x	x	x	x	1458	*22.42	967	*16.14	725	*12.43	21.2	26.2	31.2	36.2	46.3	56.3	66.3	76.3
1.20	40	15.915	48	19.099	x	x	x	x	1458	—	967	26.28	725	22.33	—	—	—	22.5	32.5	42.5	52.5	62.5
1.22	18	7.162	22	8.754	x	x	x	x	1432	*20.77	949	*14.69	712	*11.26	22.5	27.5	32.5	37.5	47.5	57.5	67.5	77.5
1.25	24	9.549	30	11.937	x	x	x	x	1400	*25.10	928	18.84	696	14.69	18.1	23.1	28.1	33.1	43.1	53.1	63.1	73.1
1.30	20	7.958	26	10.345	x	x	x	x	1346	*22.42	892	*16.14	669	*12.43	20.6	25.6	30.6	35.6	45.6	55.6	65.6	75.6
1.31	26	10.345	34	13.528	x	x	x	x	1338	26.08	887	20.08	665	15.78	16.2	21.2	26.2	31.2	41.2	51.2	61.2	71.2
1.33	18	7.162	24	9.549	x	x	x	x	1313	*20.77	870	*14.69	653	*11.26	21.8	26.9	31.9	36.9	46.9	56.9	66.9	76.9
1.33	30	11.937	40	15.915	x	x	x	x	1313	27.21	870	22.33	653	17.86	—	18.0	23.1	28.1	38.1	48.1	58.1	68.1
1.36	22	8.754	30	11.937	x	x	x	x	1283	*23.87	851	*17.52	638	13.58	18.7	23.7	28.7	33.7	43.7	53.7	63.7	73.7
1.41	34	13.528	48	19.099	x	x	x	x	1240	—	822	24.23	616	19.78	—	—	19.2	24.2	34.3	44.3	54.3	64.3
1.42	24	9.549	34	13.528	x	x	x	x	1235	*25.10	819	18.84	614	14.69	16.8	21.8	26.8	31.8	41.8	51.8	61.9	71.9
1.44	18	7.162	26	10.345	x	x	x	x	1212	*20.77	803	*14.69	602	*11.26	21.2	26.2	31.2	36.2	46.2	56.2	66.2	76.2
1.50	20	7.958	30	11.937	x	x	x	x	1167	*22.42	773	*16.14	580	*12.43	19.3	24.3	29.3	34.3	44.3	54.3	64.4	74.4
1.50	40	15.915	60	23.873	x	x	x	x	1167	—	773	26.28	580	22.33	—	—	—	—	28.5	38.6	48.6	58.6
1.54	26	10.345	40	15.915	x	x	x	x	1138	26.08	754	20.08	566	15.78	—	19.2	24.2	29.3	39.3	49.3	59.3	69.3
1.55	22	8.754	34	13.528	x	x	x	x	1132	*23.87	751	*17.52	563	13.58	17.3	22.4	27.4	32.4	42.4	52.5	62.5	72.5
1.60	30	11.937	48	19.099	x	x	x	x	1094	27.21	725	22.33	544	17.86	—	—	20.3	25.4	35.5	45.5	55.5	65.5
1.67	18	7.162	30	11.937	x	x	x	x	1050	*20.77	696	*14.69	522	*11.26	19.9	24.9	29.9	34.9	44.9	55.0	65.0	75.0
1.67	24	9.549	40	15.915	x	x	x	x	1050	*25.10	696	18.84	522	14.69	14.7	19.8	24.8	29.8	39.9	49.9	59.9	69.9
1.70	20	7.958	34	13.528	x	x	x	x	1029	*22.42	682	*16.14	512	*12.43	17.9	23.0	28.0	33.0	43.0	53.1	63.1	73.1
1.76	34	13.528	60	23.873	x	x	x	x	992	—	657	24.23	493	19.78	—	—	—	20.0	30.2	40.3	50.4	60.4
1.80	40	15.915	72	28.648	x	x	x	x	972	—	644	26.28	483	22.33	—	—	—	—	24.2	34.4	44.6	54.6
1.82	22	8.754	40	15.915	x	x	x	x	963	*23.87	638	*17.52	479	13.58	15.2	20.3	25.4	30.4	40.5	50.5	60.5	70.5
1.85	26	10.345	48	19.099	x	x	x	x	948	26.08	628	20.08	471	15.78	—	16.3	21.4	26.5	36.6	46.7	56.7	66.7
1.89	18	7.162	34	13.528	x	x	x	x	926	*20.77	614	*14.69	461	*11.26	18.5	23.5	28.6	33.6	43.6	53.7	63.7	73.7
2.00	20	7.958	40	15.915	x	x	x	x	875	*22.42	580	*16.14	435	*12.43	15.8	20.9	26.0	31.0	41.1	51.1	61.1	71.1
2.00	24	9.549	48	19.099	x	x	x	x	875	*25.10	580	18.84	435	14.69	—	16.8	22.0	27.1	37.2	47.3	57.3	67.3
2.00	30	11.937	60	23.873	x	x	x	x	875	27.21	580	22.33	435	17.86	—	—	—	21.0	31.3	41.5	51.5	61.6
2.12	34	13.528	72	28.648	x	x	x	x	826	—	548	24.23	411	19.78	—	—	—	—	25.8	36.1	46.3	56.4
2.18	22	8.754	48	19.099	x	x	x	x	802	*23.87	532	*17.52	399	13.58	—	17.4	22.5	27.7	37.8	47.9	57.9	67.9
2.22	18	7.162	40	15.915	x	x	x	x	788	*20.77	522	*14.69	392	*11.26	16.3	21.4	26.5	31.6	41.7	51.7	61.7	71.8
2.25	40	15.915	90	35.810	x	x	x	x	778	—	516	26.28	387	22.33	—	—	—	—	—	27.6	38.1	48.4
2.31	26	10.345	60	23.873	x	x	x	x	758	26.08	503	20.08	377	15.78	—	—	—	22.1	32.4	42.6	52.7	62.8
2.40	20	7.958	48	19.099	x	x	x	x	729	*22.42	483	*16.14	363	*12.43	—	17.9	23.1	28.2	38.4	48.4	58.5	68.5
2.40	30	11.937	72	28.648	x	x	x	x	729	27.21	483	22.33	363	17.86	—	—	—	—	26.8	37.2	47.4	57.5
2.50	24	9.549	60	23.873	x	x	x	x	700	*25.10	464	18.84	348	14.69	—	—	—	22.6	33.0	43.2	53.3	63.4
2.65	34	13.528	90	35.810	x	x	x	x	661	—	438	24.23	329	19.78	—	—	—	—	—	29.2	39.7	50.0
2.67	18	7.162	48	19.099	x	x	x	x	656	*20.77	435	*14.69	326	*11.26	—	18.4	23.6	28.8	38.9	49.0	59.1	69.1
2.73	22	8.754	60	23.873	x	x	x	x	642	*23.87	425	*17.52	319	13.58	—	—	17.8	23.2	33.5	43.7	53.9	63.9
2.77	26	10.345	72	28.648	x	x	x	x	632	26.08	419	20.08	314	15.78	—	—	—	—	27.9	38.3	48.5	58.7
3.00	20	7.958	60	23.873	x	x	x	x	583	*22.42	387	*16.14	290	*12.43	—	—	18.3	23.7	34.1	44.3	54.4	64.5
3.00	24	9.549	72	28.648	x	x	x	x	583	*25.10	387	18.84	290	14.69	—	—	—	—	28.4	38.8	49.1	59.2
3.00	30	11.937	90	35.810	x	x	x	x	583	27.21	387	22.33	290	17.86	—	—	—	—	—	30.2	40.8	51.1
3.27	22	8.754	72	28.648	x	x	x	x	535	*23.87	354	*17.52	266	13.58	—	—	—	—	28.9	39.4	49.6	59.8
3.33	18	7.162	60	23.873	x	x	x	x	525	*20.77	348	*14.69	261	*11.26	—	—	18.8	24.2	34.6	44.9	55.0	65.1
3.46	26	10.345	90	35.810	x	x	x	x	506	26.08	335	20.08	251	15.78	—	—	—	—	—	31.2	41.8	52.2
3.60	20	7.958	72	28.648	x	x	x	x	486	*22.42	322	*16.14	242	*12.43	—	—	—	—	29.5	39.9	50.2	60.4
3.75	24	9.549	90	35.810	x	x	x	x	467	*25.10	309	18.84	232	14.69	—	—	—	—	—	31.7	42.4	52.8
4.00	18	7.162	72	28.648	x	x	x	x	438	*20.77	290	*14.69	218	*11.26	—	—	—	—	30.0	40.5	50.8	60.9
4.09	22	8.754	90	35.810	x	x	x	x	428	*23.87	284	*17.52	213	13.58	—	—	—	—	—	32.2	42.9	53.3
4.50	20	7.958	90	35.810	x	x	x	x	389	*22.42	258	*16.14	193	*12.43	—	—	—	—	—	32.7	43.4	53.8
5.00	18	7.162	90	35.810	x	x	x	x	350	*20.77	232	*14.69	174	*11.26	—	—	—	—	—	33.2	43.9	54.4

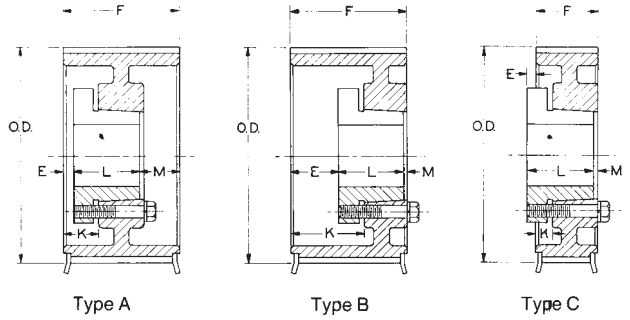
Horsepower Ratings shown in these tables are for a 1" wide belt. To find the belt width required, divide the **NORMAL RATING** (See Page E-21) of the drive by the Horsepower shown in the table above. The result is the "Effective Belt Width". Using this, or the next higher figure, determine the "Actual Belt Width" from the following table:

Effective Belt Width……..	**1.00"**	**1.29"**	**1.56"**	**2.14"**	**2.72"**	**3.36"**	**4.76"**	**6.15"**	**7.50"**	**10.32"**	**13.10"**	**15.84"**	**18.62"**
Actual Belt Width…….	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8	10	12	14

*This rating is for a pulley below the minimum recommended on page E-22 and, therefore, a reduction in belt life should be expected.

Center Distances shown are theoretical; manufacturing tolerances on belt lengths and pulley diameters can affect the actual center distance of a drive. Belt Numbers at the head of center distance columns indicate pitch length (multiplied by ten) and pitch. For example, a "900XXH" belt is 90 inches long and is for use with 1 1/4 inch pitch pulleys. This part number must be completed by adding the belt width, for example, adding 200 to this number (making the complete part number read "900XXH200") indicates the belt is 2 inches wide.

When the center distance is 8 or more times the diameter of the small pulley or when drive operates on vertical shafts, both pulleys should be flanged.



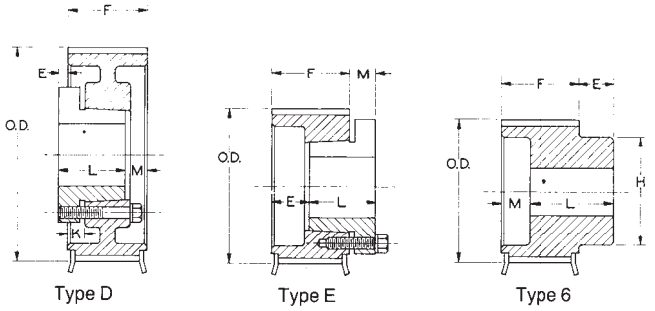


Table No. 1 **Specifications**

Sprocket Number	Bushing	Bore Range Min.	Bore Range Max.	Type	No. Teeth	Diameters P.D.	Diameters O.D.	Diameters Flange	Dimensions E	Dimensions F	Dimensions H	Dimensions K	Dimensions L	Dimensions M	Wt. Lbs.
FOR 8M20 BELTS — 8mm PITCH — 20mm (.79") WIDE															
B208M20B	—	1/2"	5/8"	6F	20	2.005"	1.951"	2.375"	5/8"	1 1/8"	1 3/8"	—	1 3/4"	0"	.9
B218M20B	—	1/2	3/4	6F	21	2.105	2.051	2.375	5/8	1 1/8	1 1/2	—	1 3/4	0	1.0
B228M20B	—	1/2	7/8	6F	22	2.206	2.152	2.563	5/8	1 1/8	1 5/8	—	1 3/4	0	1.6
B248M20JA	JA	1/2	1 1/4	E1F	24	2.406	2.352	2.75	9/16	1 1/8	—	—	1 1/16	7/16	1.5
B268M20JA	JA	1/2	1 1/4	E1F	26	2.607	2.553	2.938	9/16	1 1/8	—	—	1 1/16	7/16	1.8
B288M20JA	JA	1/2	1 1/4	B1F	28	2.807	2.753	3.156	1/16	1 1/8	—	9/16"	1	1/16	1.5
B288M20H	H	3/8	1 1/2	E1F	28	2.807	2.753	3.156	1/4	1 1/8	—	—	1 1/4	3/8	1.85
B308M20JA	JA	1/2	1 1/4	C1F	30	3.008	2.954	3.344	1/16	1 1/8	—	9/16	1	1/16	2.0
B308M20H	H	3/8	1 1/2	E1F	30	3.008	2.954	3.344	1/4	1 1/8	—	—	1 1/4	3/8	1.9
B328M20JA	JA	1/2	1 1/4	C1F	32	3.208	3.154	3.563	1/4	1 1/8	—	1/4	1	3/8	2.1
B328M20H	H	3/8	1 1/2	C1F	32	3.208	3.154	3.563	1/8	1 1/8	—	1/4	1 1/4	0	2.0
B348M20SH	SH	1/2	1 5/8	D1F	34	3.409	3.355	3.75	3/16	1 1/8	—	5/16	1 1/4	1/16	2.2
B368M20SH	SH	1/2	1 5/8	D1F	36	3.609	3.555	3.938	3/16	1 1/8	—	5/16	1 1/4	1/16	2.5
B388M20SH	SH	1/2	1 5/8	D1F	38	3.810	3.756	4.156	3/16	1 1/8	—	5/16	1 1/4	1/16	2.8
B408M20SH	SH	1/2	1 5/8	D1F	40	4.010	3.956	4.334	3/16	1 1/8	—	5/16	1 1/4	1/16	3.4
B448M20SDS	SDS	1/2	2	C1F	44	4.411	4.357	4.75	3/16	1 1/8	—	3/8	1 5/16	0	3.2
B488M20SDS	SDS	1/2	2	C1F	48	4.812	4.758	5.188	3/16	1 1/8	—	3/8	1 5/16	0	3.4
B568M20SDS	SDS	1/2	2	C1F	56	5.614	5.560	5.938	3/16	1 1/8	—	3/8	1 5/16	0	4.5
B648M20SDS	SDS	1/2	2	C1F	64	6.416	6.362	6.75	3/16	1 1/8	—	3/8	1 5/16	0	6.2
B728M20SDS	SDS	1/2	2	C1F	72	7.218	7.164	7.563	3/16	1 1/8	—	3/8	1 5/16	0	6
B808M20SDS	SDS	1/2	2	C2F	80	8.020	7.966	8.375	3/16	1 1/8	—	3/8	1 5/16	0	6.5
B808M20SK	SK	1/2	2 5/8	C2F	80	8.020	7.966	8.375	25/32	1 1/8	—	1/16*	1 5/16	3/32	11.6
B908M20SDS	SDS	1/2	2	D2	90	9.023	8.969	—	3/16	1 1/8	—	3/8	1 5/16	0	7
B908M20SK	SK	1/2	2 5/8	C3	90	9.023	8.969	—	25/32	1 1/8	—	1/16*	1 5/16	3/32	11.8
B1128M20SK	SK	1/2	2 5/8	C3	112	11.229	11.175	—	3/4	1 1/8	—	1/16	1 5/16	1/16	10.5
B1448M20SF	SF	1/2	2 15/16	C3	114	14.447	14.383	—	3/4	1 1/8	—	1/16	2 1/16	1/16	14.5

NOTE — Numerals in Type Designations mean: 1 = Solid, 2 = Web, 3 = Arm Construction; F = Flanged Sprocket.

* Hub Projection

TABLE NO. 1 **Specifications**

Sprocket Number	Bush-ing	Bore Range Min.	Bore Range Max.	Type	No. Teeth	Diameters P. D.	Diameters O.D.	Diameters Flange	Dimensions E	Dimensions F	Dimensions H	Dimensions K	Dimensions L	Dimensions M	Wt. Lbs.
FOR 8M30 BELTS — 8mm PITCH — 30mm (1.18″) WIDE															
B208M30B	—	1/2"	5/8"	6F	20	2.005"	1.951"	2.375"	5/8"	1 1/2"	1 3/8"	—	2 1/8"	0"	1.1
B218M30B	—	1/2"	3/4	6F	21	2.105	2.051	2.437	5/8	1 1/2	1 1/2	—	2 1/8	0	1.3
B228M30B	—	1/2"	7/8	6F	22	2.206	2.152	2.562	5/8	1 1/2	1 5/8	—	2 1/8	0	1.4
B248M30B	—	1/2	1	6F	24	2.406	2.352	2.75	5/8	1 1/2	1 13/16	—	2 1/8	0	1.8
B268M30B	—	1/2	1 1/4	6F	26	2.607	2.553	2.937	5/8	1 1/2	2	—	2 1/8	0	2.2
B288M30JA	JA	1/2	1 1/4	B1F	28	2.807	2.753	3.156	7/16	1 1/2	—	15/16"	1	1/16	1.8
B288M30H	H	3/8	1 1/2	E1F	28	2.807	2.753	3.156	5/8	1 1/2	—	—	1 1/4	3/8	1.7
B308M30JA	JA	1/2	1 1/4	B1F	30	3.008	2.954	3.343	7/16	1 1/2	—	15/16	1	1/16	2.0
B308M30H	H	3/8	1 1/2	E1F	30	3.008	2.954	3.343	5/8	1 1/2	—	—	1 1/4	3/8	1.9
B328M30JA	JA	1/2	1 1/4	B1F	32	3.208	3.154	3.562	1/8	1 1/2	—	5/8	1	3/8	2.2
B328M30H	H	3/8	1 1/2	B1F	32	3.208	3.154	3.562	1/4	1 1/2	—	5/8	1 1/4	1/16	2.1
B348M30SH	SH	1/2	1 5/8	A1F	34	3.409	3.355	3.75	3/16	1 1/2	—	11/16	1 1/4	1/16	2.4
B368M30SH	SH	1/2	1 5/8	A1F	36	3.609	3.555	3.937	3/16	1 1/2	—	11/16	1 1/4	1/16	2.8
B388M30SH	SH	1/2	1 5/8	A1F	38	3.810	3.756	4.156	3/16	1 1/2	—	11/16	1 1/4	1/16	3.2
B408M30SH	SH	1/2	1 5/8	A1F	40	4.010	3.956	4.343	3/16	1 1/2	—	11/16	1 1/4	1/16	3.6
B448M30SDS	SDS	1/2	2	B1F	44	4.411	4.357	4.75	3/16	1 1/2	—	3/4	1 5/16	3/32	3.8
B488M30SDS	SDS	1/2	2	B1F	48	4.812	4.758	5.187	3/16	1 1/2	—	3/4	1 5/16	3/32	4.2
B568M30SDS	SDS	1/2	2	B1F	56	5.614	5.560	5.937	3/16	1 1/2	—	3/4	1 5/16	3/32	4.8
B648M30SK	SK	1/2	2 5/8	C1F	64	6.416	6.362	6.75	3/8	1 1/2	—	1/4	1 7/8	3/32	6.1
B728M30SK	SK	1/2	2 5/8	C1F	72	7.218	7.164	7.562	3/8	1 1/2	—	1/4	1 7/8	3/32	6.8
B808M30SK	SK	1/2	2 5/8	C2F	80	8.020	7.966	8.375	3/8	1 1/2	—	1/4	1 7/8	3/32	7.5
B908M30SK	SK	1/2	2 5/8	D2	90	9.023	8.969	—	3/8	1 1/2	—	1/4	1 7/8	3/32	11.0
B1128M30SK	SK	1/2	2 5/8	D3	112	11.229	11.175	—	3/8	1 1/2	—	1/4	1 7/8	3/32	13
B1448M30SF	SF	1/2	2 15/16	D3	144	14.447	14.383	—	9/16	1 1/2	—	1/4	2 1/16	—	25.5
B1928M30E	E	7/8	3 1/2	C3	192	19.249	19.195	—	1 5/16	1 1/2	—	1/16	2 5/8	1/16	30
FOR 8M50 BELTS — 8mm PITCH — 50mm (1.97″) WIDE															
B288M50B	—	1/2	1 1/4	6F	28	2.807	2.753	3.187	3/4	2 3/8	2 9/16	—	3 1/8	0	4.2
B308M50B	—	1/2	1 3/8	6F	30	3.008	2.954	3.312	3/4	2 3/8	2 15/32	—	3 1/8	0	4.9
B328M50B	—	1/2	1 1/2	6F	32	3.208	3.154	3.562	3/4	2 3/8	2 19/32	—	3 1/8	0	5.4
B328M50JA	JA	1/2	1 1/4	A1F	32	3.208	3.154	3.562	1/8	2 3/8	—	5/8	1	1 1/4	3.0
B328M50H	H	3/8	1 1/2	A1F	32	3.208	3.154	3.562	1/2	2 3/8	—	3/4	1 1/4	5/8	2.9
B348M50SH	SH	1/2	1 5/8	A1F	34	3.409	3.355	3.75	—	2 3/8	—	1/2	1 1/4	1 1/8	3.2
B368M50SH	SH	1/2	1 5/8	A1F	36	3.609	3.555	3.937	—	2 3/8	—	1/2	1 1/4	1 1/8	3.8
B388M50SH	SH	1/2	1 5/8	A1F	34	3.810	3.756	4.187	—	2 3/8	—	1/2	1 1/4	1 1/8	4.2
B408M50SH	SH	1/2	1 5/8	A1F	40	4.010	3.956	4.312	—	2 3/8	—	1/2	1 1/4	1 1/8	4.6
B448M50SD	SD	1/2	2	A1F	44	4.411	4.357	4.75	—	2 3/8	—	9/16	1 13/16	9/16	5.2
B488M50SD	SD	1/2	2	A1F	48	4.812	4.758	5.187	—	2 3/8	—	9/16	1 13/16	9/16	6.0
B568M50SK	SK	1/2	2 5/8	D1F	56	5.614	5.560	5.937	1/16	2 3/8	—	9/16	1 7/8	9/16	7.0
B648M50SK	SK	1/2	2 5/8	D1F	64	6.416	6.362	6.75	1/16	2 3/8	—	9/16	1 7/8	9/16	10.3
B728M50SK	SK	1/2	2 5/8	D1F	72	7.218	7.164	7.562	1/16	2 3/8	—	9/16	1 7/8	9/16	13.3
B808M50SF	SF	1/2	2 15/16	D1F	80	8.020	7.966	8.312	1/16	2 3/8	—	9/16	2	7/16	15.7
B908M50SF	SF	1/2	2 15/16	D2	90	9.023	8.969	—	1/16	2 3/8	—	9/16	2	7/16	16.0
B1128M50SF	SF	1/2	2 15/16	D2	112	11.229	11.175	—	1/16	2 3/8	—	9/16	2	7/16	21.0
B1448M50E	E	7/8	3 1/2	D3	144	14.437	14.383	—	1/2	2 3/8	—	3/8	2 5/8	2	35.0
B1928M50E	E	7/8	3 1/2	D3	192	19.249	19.195	—	1/2	2 3/8	—	3/8	2 5/8	2	45.0
FOR 8M85 BELTS — 8mm PITCH — 85mm (3.35″) WIDE															
B348M85B	—	1/2	1 5/8	6F	34	3.409	3.355	3.562	3/4	3 3/4	2 51/64	—	4 1/2	0	10
B368M85B	—	1/2	1 3/4	6F	36	3.609	3.555	3.812	3/4	3 3/4	3	—	4 1/2	0	11.3
B388M85B	—	1/2	1 7/8	6F	38	3.810	3.756	4	3/4	3 3/4	3 3/16	—	4 1/2	0	12.6
B408M85B	—	1/2	2 1/8	6F	40	4.01	3.956	4.093	3/4	3 3/4	3 13/32	—	4 1/2	0	14.9
B448M85B	—	1/2	2 3/8	6F	44	4.411	4.357	4.75	3/4	3 3/4	3 51/64	—	4 1/2	0	17.2
B488M85B	—	1/2	2 3/4	6F	48	4.812	4.758	5	3/4	3 3/4	4 3/16	—	4 1/2	0	20.6
B568M85B	—	7/8	3 1/8	6F	56	5.614	5.560	5.937	3/4	3 3/4	5	—	4 1/2	0	28
B348M85SH	SH	1/2	1 5/8	A1F	34	3.409	3.355	3.812	1	3 3/4	—	1 1/2	1 1/4	1 1/2	4.6
B368M85SH	SH	1/2	1 5/8	A1F	36	3.609	3.555	3.937	1	3 3/4	—	1 1/2	1 1/4	1 1/2	5.2
B388M85SH	SH	1/2	1 5/8	A1F	38	3.810	3.756	4.187	1	3 3/4	—	1 1/2	1 1/4	1 1/2	5.8
B408M85SD	SD	1/2	2	A1F	40	4.010	3.956	4.312	11/16	3 3/4	—	1 1/4	1 13/16	1 1/4	5.6
B448M85SD	SD	1/2	2	A1F	44	4.411	4.357	4.75	11/16	3 3/4	—	1 1/4	1 13/16	1 1/4	6.2
B488M85SD	SD	1/2	2	A1F	48	4.812	4.758	5.187	11/16	3 3/4	—	1 1/4	1 13/16	1 1/4	7.8
B568M85SK	SK	1/2	2 5/8	A1F	56	5.614	5.560	5.937	5/8	3 3/4	—	1 1/4	1 7/8	1 1/4	9.8
B648M85SK	SK	1/2	2 5/8	A1F	64	6.416	6.362	6.75	5/8	3 3/4	—	1 1/4	1 7/8	1 1/4	13.0
B728M85SF	SF	1/2	2 15/16	A1F	72	7.218	7.164	7.562	5/8	3 3/4	—	1 1/4	2	1 1/8	16.0
B808M85SF	SF	1/2	2 15/16	A1F	80	8.020	7.966	8.375	5/8	3 3/4	—	1 1/4	2	1 1/8	16
B908M85SF	SF	1/2	2 15/16	A2	90	9.023	8.969	—	5/8	3 3/4	—	1 1/4	2	1 1/8	20
B1128M85SF	SF	1/2	2 15/16	A3	112	11.229	11.175	—	5/8	3 3/4	—	1 1/4	2	1 1/8	28
B1448M85E	E	7/8	3 1/2	A3	144	14.437	14.383	—	3/16	3 3/4	—	1 1/16	2 5/8	15/16	64.5
B1928M85E	E	7/8	3 1/2	A3	192	19.249	19.195	—	3/16	3 3/4	—	1 1/16	2 5/8	15/16	78.1

NOTE — Numerals in Type Designations mean: 1 = Solid, 2 = Web, 3 = Arm Construction; F = Flanged Sprocket.

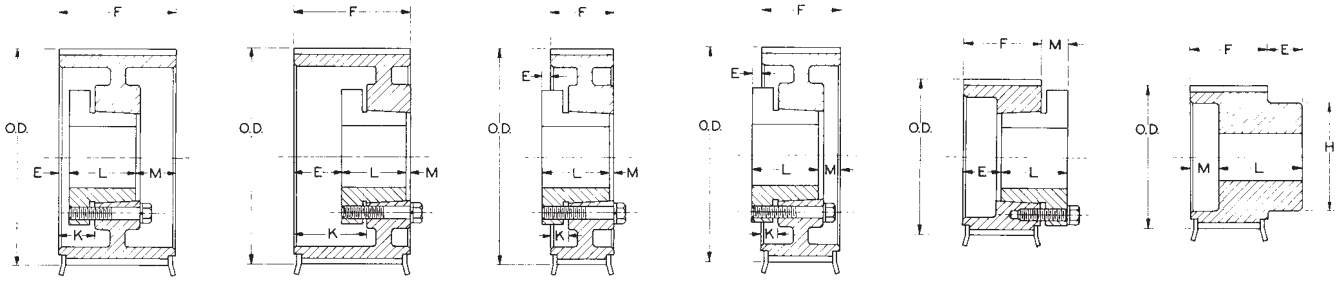


Table No. 1 **Specifications**

Sprocket Number	Bushing	Bore Range Min.	Bore Range Max.	Type	No. Teeth	Diameters P. D.	Diameters O. D.	Diameters Flange	Dimensions E	Dimensions F	Dimensions K	Dimensions L	Dimensions M	Wt. Lbs
FOR 14M40 BELTS — 14mm PITCH — 40mm (1.57") WIDE														
B2814M40SK	SK	1/2"	2 5/8	E1F	28	4.912"	4.808"	5.312"	7/8	2 1/8"	—	1 7/8"	5/8"	5.5
B2914M40SK	SK	1/2	2 5/8	E1F	29	5.088	4.983	5.562	7/8	2 1/8	—	1 7/8	5/8	6.5
B3014M40SK	SK	1/2	2 5/8	D1F	30	5.263	5.153	5.875	3/16	2 1/8	7/16	1 7/8	7/16	7
B3214M40SK	SK	1/2	2 5/8	D1F	32	5.614	5.504	6.125	3/16	2 1/8	7/16	1 7/8	7/16	8
B3414M40SK	SK	1/2	2 5/8	D1F	34	5.965	5.858	6.5	3/16	2 1/8	7/16	1 7/8	7/16	8.5
B3614M40SF	SF	1/2	2 15/16	D1F	36	6.316	6.206	6.812	3/16	2 1/8	7/16	2	5/16	9.5
B3814M40SF	SF	1/2	2 15/16	D1F	38	6.667	6.557	7.187	3/16	2 1/8	7/16	2	5/16	11.5
B4014M40SF	SF	1/2	2 15/16	D1F	40	7.018	6.909	7.5	3/16	2 1/8	7/16	2	5/16	13
B4414M40E	E	7/8	3 1/2	D1F	44	7.720	7.610	8.218	5/8	2 1/8	1/4	2 5/8	1/8	16.5
B4814M40E	E	7/8	3 1/2	D1F	48	8.421	8.311	8.875	5/8	2 1/8	1/4	2 5/8	1/8	20
B5214M40E	E	7/8	3 1/2	D1F	52	9.123	9.013	9.687	5/8	2 1/8	1/4	2 5/8	1/8	24
B5614M40E	E	7/8	3 1/2	D1F	56	9.825	9.715	10.375	5/8	2 1/8	1/4	2 5/8	1/8	28
B6014M40E	E	7/8	3 1/2	D1F	60	10.527	10.417	11.062	5/8	2 1/8	1/4	2 5/8	1/8	29
B6414M40E	E	7/8	3 1/2	D2F	64	11.229	11.119	11.75	5/8	2 1/8	1/4	2 5/8	1/8	31
B6814M40E	E	7/8	3 1/2	D2F	68	11.930	11.820	12.5	5/8	2 1/8	1/4	2 5/8	1/8	32
B7214M40E	E	7/8	3 1/2	D2F	72	12.632	12.522	13.187	5/8	2 1/8	1/4	2 5/8	1/8	33
B8014M40E	E	7/8	3 1/2	D2F	80	14.036	13.926	14.625	5/8	2 1/8	1/4	2 5/8	1/8	38
B9014M40E	E	7/8	3 1/2	D3	90	15.760	15.680	—	5/8	2 1/8	1/4	2 5/8	1/8	39
B11214M40E	E	7/8	3 1/2	D3	112	19.650	19.540	—	5/8	2 1/8	1/4	2 5/8	1/8	51
B14414M40E	E	7/8	3 1/2	D3	144	25.264	25.154	—	5/8	2 1/8	1/4	2 5/8	1/8	80
FOR 14M55 BELTS — 14mm PITCH — 55mm (2.17") WIDE														
B2814M55SK	SK	1/2	2 5/8	E1F	28	4.912	4.808	5.312	1 1/2	2 3/4		1 7/8	5/8	1
B2914M55SK	SK	1/2	2 5/8	E1F	29	5.088	4.983	5.562	1 1/2	2 3/4		1 7/8	5/8	8
B3014M55SK	SK	1/2	2 5/8	A1F	30	5.263	5.157	6.125	1/8	2 3/4	3/4	1 7/8	3/4	8.5
B3214M55SK	SK	1/2	2 5/8	A1F	32	5.614	5.507	6.125	1/8	2 3/4	3/4	1 7/8	3/4	9
B3414M55SK	SK	1/2	2 5/8	A1F	34	5.965	5.858	6.5	1/8	2 3/4	3/4	1 7/8	3/4	10
B3614M55SF	SF	1/2	2 15/16	A1F	36	6.316	6.208	6.812	1/8	2 3/4	3/4	2	5/8	11
B3814M55SF	SF	1/2	2 15/16	A1F	38	6.667	6.559	7.187	1/8	2 3/4	3/4	2	5/8	13
B4014M55SF	SF	1/2	2 15/16	A1F	40	7.018	6.909	7.5	1/8	2 3/4	3/4	2	5/8	15
B4414M55E	E	7/8	3 1/2	D1F	44	7.720	7.610	8.218	5/16	2 3/4	9/16	2 5/8	7/16	19
B4814M55E	E	7/8	3 1/2	D1F	48	8.421	8.311	8.937	5/16	2 3/4	9/16	2 5/8	7/16	23
B5214M55E	E	7/8	3 1/2	D1F	52	9.123	9.013	9.687	5/16	2 3/4	9/16	2 5/8	7/16	27
B5614M55E	E	7/8	3 1/2	D1F	56	9.825	9.715	10.375	5/16	2 3/4	9/16	2 5/8	7/16	32
B6014M55E	E	7/8	3 1/2	D1F	60	10.527	10.417	11.062	5/16	2 3/4	9/16	2 5/8	7/16	36
B6414M55F	F	1	4	C1F	64	11.229	11.119	11.75	5/16	2 3/4	1/8	3 5/8	—	53
B6814M55F	F	1	4	D2F	68	11.930	11.820	12.5	7/8	2 3/4	1/8	3 5/8	—	43
B7214M55F	F	1	4	C2F	72	12.632	12.522	13.187	7/8	2 3/4	1/8	3 5/8	—	49.0
B8014M55F	F	1	4	C2F	80	14.036	13.926	14.625	7/8	2 3/4	1/8	3 5/8	—	54
B9014M55F	F	1	4	D3	90	15.790	15.68	—	7/8	2 3/4	1/8	3 5/8	—	55
B11214M55F	F	1	4	D3	112	19.650	19.54	—	7/8	2 3/4	1/8	3 5/8	—	71
B14414M55F	F	1	4	D3	144	25.264	25.154	—	7/8	2 3/4	1/8	3 5/8	—	106
B16814M55F	F	1	4	D3	168	29.475	29.365	—	7/8	2 3/4	1/8	3 5/8	—	124
B19214M55F	F	1	4	D3	192	33.686	33.576	—	7/8	2 3/4	1/8	3 5/8	—	146
B21614M55F	F	1	4	D3	216	37.896	37.786	—	7/8	2 3/4	1/8	3 5/8	—	205

NOTE — Numerals in Type Designations mean: 1 = Solid, 2 = Web, 3 = Arm Construction; F = Flanged Sprocket.

Table No. 1 **Specifications**

Sprocket Number	Bush-ing	Bore Range Min.	Bore Range Max.	Type	No. Teeth	Diameters P.D.	Diameters O. D.	Diameters Flange	Dimensions E	Dimensions F	Dimensions H	Dimensions K	Dimensions L	Dimensions M	Wt. Lbs.
FOR 14M85 BELTS — 14mm PITCH — 85mm (3.35") WIDE															
B2814M85B		1 1/4"	2 1/8"	6F	28	4.912"	4.808"	5.312"	1"	4"	3 11/16"		4"	1"	18
B2914M85B		1 1/4	2 1/8	6F	29	5.088	4.983	5.562	1	4	3 11/16		4	1	19.4
B3014M85SK	SK	1/2	2 5/8	A1F	30	5.263	5.157	6.125	3/4	4	—	1 3/8	1 7/8	1 3/8	10
B3214M85SK	SK	1/2	2 5/8	A1F	32	5.614	5.507	6.125	3/4	4	—	1 3/8	1 7/8	1 3/8	13
B3414M85SK	SK	1/2	2 5/8	A1F	34	5.965	5.858	6.5	3/4	4	—	1 3/8	1 7/8	1 3/8	14.0
B3614M85SF	SF	1/2	2 15/16	A1F	36	6.316	6.206	6.812	3/4	4	—	1 3/8	2	1 1/4	15
B3814M85SF	SF	1/2	2 15/16	A1F	38	6.667	6.557	7.187	3/4	4	—	1 3/8	2	1 1/4	18
B4014M85SF	SF	1/2	2 15/16	A1F	40	7.018	6.909	7.5	3/4	4	—	1 3/8	2	1 1/4	20
B4414M85E	E	7/8	3 1/2	A1F	44	7.720	7.610	8.218	5/16	4	—	1 3/16	2 5/8	11/16	25
B4814M85E	E	7/8	3 1/2	A1F	48	8.421	8.311	8.937	5/16	4	—	1 3/16	2 5/8	11/16	29
B5214M85E	E	7/8	3 1/2	A1F	52	9.123	9.103	9.687	5/16	4	—	1 3/16	2 5/8	11/16	32
B5614M85F	F	1	4	D1F	56	9.825	9.715	10.375	1/4	4	—	3/4	3 5/8	5/8	46
B6014M85F	F	1	4	D1F	60	10.527	10.417	11.062	1/4	4	—	3/4	3 5/8	5/8	51
B6414M85F	F	1	4	D1F	64	11.229	11.119	11.75	1/4	4	—	3/4	3 5/8	5/8	62
B6814M85F	F	1	4	D2F	68	11.930	11.820	12.500	1/4	4	—	3/4	3 5/8	5/8	51
B7214M85F	F	1	4	D2F	72	12.632	12.522	13.187	1/4	4	—	3/4	3 5/8	5/8	60
B8014M85F	F	1	4	D2F	80	14.036	13.926	14.625	1/4	4	—	3/4	3 5/8	5/8	66
B9014M85F	F	1	4	D3	90	15.790	15.680	—	1/4	4	—	3/4	3 5/8	5/8	69
B11214M85F	F	1	4	D3	112	19.650	19.540	—	1/4	4	—	3/4	3 5/8	5/8	89
B14414M85F	F	1	4	D3	144	25.264	25.154	—	1/4	4	—	3/4	3 5/8	5/8	127
B16814M85F	F	1	4	D3	168	29.475	29.365	—	1/4	4	—	3/4	3 5/8	5/8	148
B19214M85F	F	1	4	D3	192	33.686	33.576	—	1/4	4	—	3/4	3 5/8	5/8	177
B21614M85F	F	1	4	D3	216	37.896	37.786	—	1/4	4	—	3/4	3 5/8	5/8	250
FOR 14M115 BELTS — 14m PITCH — 115mm (4.53") WIDE															
B2814M115B	—	1 1/4	2 1/8	6F	28	4.912	4.808	5.312	1 1/4	5 1/4	3 11/16	—	5	1 1/2	23.2
B2914M115B	—	1 1/4	2 1/8	6F	29	5.088	4.983	5.562	1 1/4	5 1/4	3 11/16	—	5	1 1/2	24.8
B3814M115B	—	1 1/4	3 3/16	6F	38	6.667	6.559	7.187	1 1/4	5 1/4	5 11/64	—	5	1 1/2	44.4
B4014M115B	—	1 1/4	3 7/16	6F	40	7.018	6.909	7.5	1 1/4	5 1/4	5 9/16	—	5	1 1/2	50
B3014M115SK	SK	1/2	2 5/8	A1F	30	5.263	5.157	6.125	1 3/8	5 1/4	—	2	1 7/8	2	12
B3214M115SK	SK	1/2	2 5/8	A1F	32	5.614	5.507	6.125	1 3/8	5 1/4	—	2	1 7/8	2	16
B3414M115SK	SK	1/2	2 5/8	A1F	34	5.965	5.858	6.5	1 3/8	5 1/4	—	2	1 7/8	2	17
B3614M115SF	SF	1/2	2 15/16	A1F	36	6.316	6.208	6.812	1 3/8	5 1/4	—	2	2	1 7/8	18
B3814M115SF	SF	1/2	2 15/16	A1F	38	6.667	6.559	7.187	1 3/8	5 1/4	—	2	2	1 7/8	22
B4014M115SF	SF	1/2	2 15/16	A1F	40	7.018	6.909	7.5	1 3/8	5 1/4	—	2	2	1 7/8	25
B4414M115E	E	7/8	3 1/2	A1F	44	7.720	7.610	8.218	15/16	5 1/4	—	1 13/16	2 5/8	1 11/16	30
B4814M115E	E	7/8	3 1/2	A1F	48	8.421	8.311	8.938	15/16	5 1/4	—	1 13/16	2 5/8	1 11/16	35
B5214M115F	F	1	4	A1F	52	9.123	9.013	9.687	3/8	5 1/4	—	1 3/8	3 5/8	1 1/4	42
B5614M115F	F	1	4	A1F	56	9.825	9.715	10.375	3/8	5 1/4	—	1 3/8	3 5/8	1 1/4	53
B6014M115F	F	1	4	A1F	60	10.527	10.417	11.062	3/8	5 1/4	—	1 3/8	3 5/8	1 1/4	60
B6414M115J	J	1 1/2	4 1/2	D2F	64	11.229	11.119	11.75	3/16	5 1/4	—	1	4 1/2	15/16	76
B6814M115J	J	1 1/2	4 1/2	D2F	68	11.930	11.820	12.500	3/16	5 1/4	—	1	4 1/2	15/16	83
B7214M115J	J	1 1/2	4 1/2	D2F	72	12.632	12.522	13.187	3/16	5 1/4	—	1	4 1/2	15/16	99
B8014M115J	J	1 1/2	4 1/2	D3F	80	14.036	13.926	14.625	3/16	5 1/4	—	1	4 1/2	15/16	87
B9014M115J	J	1 1/2	4 1/2	D3	90	15.790	15.68	—	3/16	5 1/4	—	1	4 1/2	15/16	95
B11214M115J	J	1 1/2	4 1/2	D3	112	19.650	19.54	—	3/16	5 1/4	—	1	4 1/2	15/16	114
B14414M115J	J	1 1/2	4 1/2	D3	144	25.264	25.154	—	3/16	5 1/4	—	1	4 1/2	15/16	166
B16814M115J	J	1 1/2	4 1/2	D3	168	29.475	29.365	—	3/16	5 1/4	—	1	4 1/2	15/16	198
B19214M115J	J	1 1/2	4 1/2	D3	192	33.686	33.576	—	3/16	5 1/4	—	1	4 1/2	15/16	232
B21614M115J	J	1 1/2	4 1/2	D3	216	37.896	37.786	—	3/16	5 1/4	—	1	4 1/2	15/16	307
FOR 14M170 BELTS — 14mm PITCH — 170mm (6.69") WIDE															
B3614M170B	—	1 1/2	2 7/8	6F	36	6.316	6.208	6.875	1 1/4	7 3/8	4 7/8	—	6	2 5/8	47.0
B3814M170B	—	1 1/2	3 3/16	6F	38	6.667	6.559	7.562	1 1/4	7 3/8	5 11/64	—	6	2 5/8	55.7
B4014M170B	—	1 1/2	3 7/16	6F	40	7.018	6.909	7.875	1 1/4	7 3/8	5 9/16	—	6	2 5/8	63.7
B4414M170B	—	1 1/2	4 1/8	6F	44	7.720	7.610	8.312	1 1/4	7 3/8	6 41/64	—	6	2 5/8	75.7
B4814M170B	—	1 1/2	4 7/16	6F	48	8.421	8.311	8.875	1 1/4	7 3/8	6 15/16	—	6	2 5/8	94
B4414M170E	E	7/8	3 1/2	A1F	44	7.720	7.610	8.218	2	7 3/8	—	2 7/8	2 5/8	2 3/4	38
B4814M170E	E	7/8	3 1/2	A1F	48	8.421	8.311	8.937	2	7 3/8	—	2 7/16	2 5/8	2 3/4	45
B5214M170F	F	1	4	A1F	52	9.123	9.013	9.687	1 7/16	7 3/8	—	2 7/16	3 5/8	2 5/16	52
B5614M170F	F	1	4	A1F	56	9.825	9.715	10.375	1 7/16	7 3/8	—	2 1/8	3 5/8	2 5/16	65
B6014M170J	J	1 1/2	4 1/2	A1F	60	10.527	10.417	11.062	15/16	7 3/8	—	2 1/8	4 1/2	1 15/16	75
B6414M170J	J	1 1/2	4 1/2	A1F	64	11.229	11.119	11.75	15/16	7 3/8	—	2 1/8	4 1/2	1 15/16	91
B6814M170J	J	1 1/2	4 1/2	A1F	68	11.930	11.82	12.500	15/16	7 3/8	—	2 1/8	4 1/2	1 15/16	96
B7214M170J	J	1 1/2	4 1/2	A1F	72	12.632	12.522	13.187	15/16	7 3/8	—	2 1/8	4 5/8	1 15/16	115
B8014M170J	J	1 1/2	4 1/2	A2F	80	14.036	13.926	14.625	15/16	7 3/8	—	2 1/8	4 5/8	1 15/16	117
B9014M170J	J	1 1/2	4 1/2	A2	90	15.790	15.68	—	15/16	7 3/8	—	2 1/8	4 5/8	1 15/16	126
B11214M170M	M	1 1/2	4 1/2	D3	112	19.650	19.54	—	—	7 3/8	—	1 7/16	6 3/4	5/8	175
B14414M170M	M	2	5 1/2	D3	144	25.264	25.154	—	—	7 3/8	—	1 7/16	6 3/4	5/8	240
B16814M170M	M	2	5 1/2	D3	168	29.475	29.365	—	—	7 3/8	—	1 7/16	6 3/4	5/8	278
B19214M170M	M	2	5 1/2	D3	192	33.686	33.576	—	—	7 3/8	—	1 7/16	6 3/4	5/8	322
B21614M170M	M	2	5 1/2	D3	216	37.896	37.786	—	—	7 3/8	—	1 7/16	6 3/4	5/8	399

NOTE — Numerals in Type Designations mean: 1 = Solid, 2 = Web, 3 = Arm Construction; F = Flanged Sprocket.

Table No. 1 **Stock 8mm Pitch Belts**

Pitch Length		No. of Teeth	20mm Wide (.79 In.)		30mm Wide (1.18 In.)		50mm Wide (1.97 In.)		85mm Wide (3.35 In.)	
MM	Inches		Part No.	Wt. Lbs.	Part No.	Wt. Lbs.	Part No.	Wt. Lbs.	Part No.	Wt. Lbs.
480	18.90	60	**B4808M20**	.13	**B4808M30**	.20	**B4808M50**	.34	**B4808M85**	.57
560	22.05	70	**B5608M20**	.16	**B5608M30**	.23	**B5608M50**	.39	**B5608M85**	.66
600	23.62	75	**B6008M20**	.17	**B6008M30**	.25	**B6008M50**	.42	**B6008M85**	.71
640	25.20	80	**B6408M20**	.18	**B6408M30**	.27	**B6408M50**	.45	**B6408M85**	.76
720	28.35	90	**B7208M20**	.20	**B7208M30**	.30	**B7208M50**	.50	**B7208M85**	.85
800	31.50	100	**B8008M20**	.22	**B8008M30**	.33	**B8008M50**	.56	**B8008M85**	.95
880	34.65	110	**B8808M20**	.25	**B8808M30**	.37	**B8808M50**	.61	**B8808M85**	1.04
960	37.80	120	**B9608M20**	.27	**B9608M30**	.40	**B9608M50**	.67	**B9608M85**	1.14
1040	40.94	130	**B10408M20**	.29	**B10408M30**	.43	**B10408M50**	.74	**B10408M85**	1.23
1120	44.09	140	**B11208M20**	.31	**B11208M30**	.47	**B11208M50**	.78	**B11208M85**	1.33
1200	47.24	150	**B12008M20**	.34	**B12008M30**	.50	**B12008M50**	.84	**B12008M85**	1.42
1280	50.39	160	**B12808M20**	.36	**B12808M30**	.53	**B12808M50**	.89	**B12808M85**	1.52
1440	56.69	180	**B14408M20**	.40	**B14408M30**	.60	**B14408M50**	1.01	**B14408M85**	1.71
1600	62.99	200	**B16008M20**	.45	**B16008M30**	.67	**B16008M50**	1.11	**B16008M85**	1.90
1760	69.29	220	**B17608M20**	.49	**B17608M30**	.73	**B17608M50**	1.23	**B17608M85**	2.08
1800	70.87	225	**B18008M20**	.50	**B18008M30**	.75	**B18008M50**	1.25	**B18008M85**	2.13
2000	78.74	250	**B20008M20**	.56	**B20008M30**	.83	**B20008M50**	1.39	**B20008M85**	2.37
2400	94.49	300	**B24008M20**	.67	**B24008M30**	1.00	**B24008M50**	1.67	**B24008M85**	2.84
2600	102.36	325	**B26008M20**	.73	**B26008M30**	1.09	**B26008M50**	1.81	**B26008M85**	3.08
2800	110.24	350	**B28008M20**	.78	**B28008M30**	1.17	**B28008M50**	1.95	**B28008M85**	3.32
3048	120.00	391	**B30488M20**	.86	**B30488M30**	1.28	**B30488M50**	2.12	**B30488M85**	3.60
3280	129.13	410	**B32808M20**	.90	**B32808M30**	1.34	**B32808M50**	2.22	**B32808M85**	3.80
3600	141.73	450	**B36008M20**	1.00	**B36008M30**	1.50	**B36008M50**	2.50	**B36008M85**	4.26
4400	173.23	550	**B44008M20**	1.20	**B44008M30**	1.80	**B44008M50**	3.00	**B44008M85**	5.02

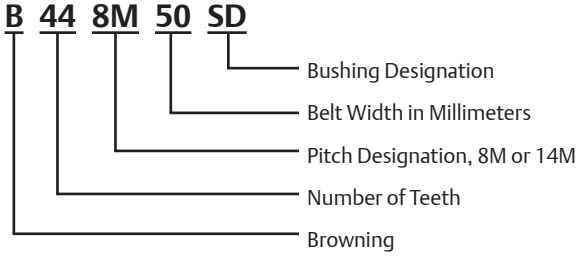
E

Table No. 2 **Stock 14mm Pitch Belts**

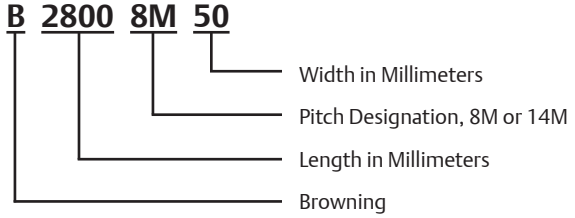
Pitch Length		No. of Teeth	40mm Wide (1.57 In.)		55mm Wide (2.16 In.)		85mm Wide (3.34 In.)		115mm Wide (4.52 In.)		170mm Wide (6.69 In)	
MM	Inches		Part No.	Wt. Lbs.	Part No.	Wt. Lbs.	Part No.	Wt. Lbs.	Part No.	Wt. Lbs.	Part No.	Wt. Lbs.
966	38.03	69	**B96614M40**	.84	**B96614M55**	1.15	**B96614M85**	1.78	**B96614M115**	2.41	**B96614M170**	3.56
1190	46.85	85	**B119014M40**	1.03	**B119014M55**	1.42	**B119014M85**	2.20	**B119014M115**	2.98	**B119014M170**	4.39
1400	55.12	100	**B140014M40**	1.21	**B140014M55**	1.67	**B140014M85**	2.58	**B140014M115**	3.50	**B140014M170**	5.16
1610	63.39	115	**B161014M40**	1.40	**B161014M55**	1.92	**B161014M85**	2.97	**B161014M115**	4.02	**B161014M170**	5.95
1778	70.00	127	**B177814M40**	1.54	**B177814M55**	2.13	**B177814M85**	3.28	**B177814M115**	4.45	**B177814M170**	6.56
1890	74.41	135	**B189014M40**	1.64	**B189014M55**	2.26	**B189014M85**	3.49	**B189014M115**	4.73	**B189014M170**	6.97
2100	82.68	150	**B210014M40**	1.82	**B210014M55**	2.51	**B210014M85**	3.88	**B210014M115**	5.25	**B210014M170**	7.75
2310	90.94	165	**B231014M40**	2.00	**B231014M55**	2.76	**B231014M85**	4.26	**B231014M115**	5.77	**B231014M170**	8.53
2450	94.46	175	**B245014M40**	2.13	**B245014M55**	2.93	**B245014M85**	4.52	**B245014M115**	6.13	**B245014M170**	9.04
2590	101.97	185	**B259014M40**	2.25	**B259014M55**	3.10	**B259014M85**	4.78	**B259014M115**	6.47	**B259014M170**	9.55
2800	110.24	200	**B280014M40**	2.43	**B280014M55**	3.34	**B280014M85**	5.17	**B280014M115**	7.00	**B280014M170**	10.33
3150	124.02	225	**B315014M40**	2.73	**B315014M55**	3.77	**B315014M85**	5.82	**B315014M115**	7.87	**B315014M170**	11.62
3360	132.28	240	**B336014M40**	2.58	**B336014M55**	3.98	**B336014M85**	6.14	**B336014M115**	8.31	**B336014M170**	12.26
3500	137.80	250	**B350014M40**	3.03	**B350014M55**	4.19	**B350014M85**	6.46	**B350014M115**	8.75	**B350014M170**	12.90
3850	151.58	275	**B385014M40**	3.33	**B385014M55**	4.60	**B385014M85**	7.10	**B385014M115**	9.62	**B385014M170**	14.20
4326	170.32	309	**B432614M40**	3.74	**B432614M55**	5.17	**B432614M85**	8.00	**B432614M115**	10.80	**B432614M170**	15.96
4578	180.24	327	**B457814M40**	3.96	**B457814M55**	5.48	**B457814M85**	8.45	**B457814M115**	11.42	**B457814M170**	16.90
4956	195.12	354	**B495614M40**	4.29	**B495614M55**	5.92	**B495614M85**	9.17	**B495614M115**	12.37	**B495614M170**	18.26
5320	209.45	380	**B532014M40**	4.60	**B532014M55**	6.36	**B532014M85**	9.84	**B532014M115**	13.28	**B532014M170**	19.60
5740	225.98	410	**B574014M40**	4.96	**B574014M55**	6.86	**B574014M85**	10.62	**B574014M115**	14.33	**B574014M170**	21.15
6160	242.52	440	**B616014M40**	5.33	**B616014M55**	7.36	**B616014M85**	11.39	**B616014M115**	15.38	**B616014M170**	22.69
6860	270.08	490	**B686014M40**	5.93	**B686014M55**	8.20	**B686014M85**	12.69	**B686014M115**	17.12	**B686014M170**	25.27

Part Number Description

Sprocket



Belt



Browning® HPT® Drives will help provide excellent results but will not correct unsatisfactory drive conditions or faulty installation. Proper sprocket alignment is very important. One sprocket should be flanged in all drives and both sprockets should be flanged when drive is operating on vertical shafts. Belts should be installed with a snug fit but high initial tension is not necessary. Belt tension requires little attention after proper installation.

Suggestions for sprocket installation, belt installation and tensioning follow.

SPROCKET INSTALLATION

1. Inspect the bore of the sprocket, the tapered barrel and bore of the bushing and the shaft. Any paint, burrs, rough places and dirt must be removed.
2. Assemble bushing into sprocket. Loosely insert the cap screws into the assembly.
3. With key in keyseat of the shaft, slide sprocket to its desired position with cap screw heads to the outside. (A few small sprockets may have to be installed with cap screw heads to the inside). If it is hard to slide bushing onto the shaft, wedge a screwdriver blade into the saw cut to overcome the tightness.
4. Line up the assembly per alignment instructions that follow and tighten cap screws evenly and progressively to the recommended torque on the instruction sheet that comes with each bushing. There should be a 1/8" to 1/4" gap between the sprocket hub and the bushing flange. If gap is closed, the shaft is seriously undersize.

SPROCKET ALIGNMENT

HPT® Sprocket Alignment and parallelism of the shafts is very important. Place a straightedge against the outside edges of the sprockets and move sprockets until the straightedge touches the two outside and two inside edges of the sprockets. The straightedge should cross the sprockets as near the shafts as possible.

After aligning the sprockets, check the rigidity of the supporting framework. Shafts should be well supported to prevent distortion and a resulting change in center distance under load. Do not use spring loaded or weighted idlers. Idler sprockets must be locked into position after adjusting belt tension.

NOTE — At least one sprocket must be flanged.

BELT INSTALLATION

Condition A — one flanged sprocket and one unflanged sprocket. When sprockets have been mounted and properly aligned, put belt over flanged sprocket first, then slip it onto the unflanged sprocket. Tension belt by adjusting center distance. This can be accomplished by using an idler if center distance is fixed.

Condition B — both sprockets flanged. Put belt over larger sprocket first, then over smaller sprocket. Tension belt.

Condition C — minimum center distance adjustment.

1. Mount one sprocket on shaft loosely and put belt on sprocket.
2. Put other sprocket into belt loop and slip the sprocket onto the other shaft.
3. Move whole drive into proper position and alignment and secure sprockets to shafts.
4. Tension belts.

GUIDE TO CENTER DISTANCE ALLOWANCE

Table No. 1

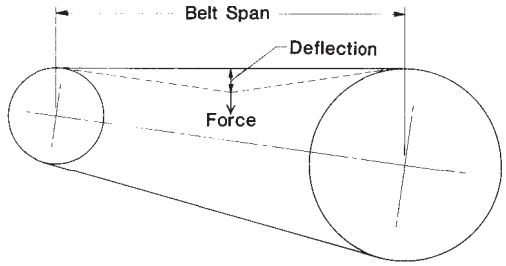
Belt Pitch Length Range (Inches)	Allowance for Installation Condition A		Allowance for Installation Condition B		Allowance for Installation Condition C	Allowance for Take-Up
	8 M Belts	14 M Belts	8 M Belts	14 M Belts	8M & 14M Belts	8M & 14M Belts
Up to 60"	.8"	1.1"	1.2"	2.3"	.1"	.1"
61 to 110"	.8	1.1	1.2	2.3	.2	.2
Over 110"	.8	1.1	1.2	2.3	.3	.3

Less allowance for installation and take-up may be possible, contact the Browning Engineers.

Do not pry or otherwise force belts onto sprockets as this can result in permanent damage to the belt.

BELT TENSION

HPT Drives do not require as much tension as other belt drives that depend on friction to transmit the load. HPT Belts should be installed with a snug fit, neither to taut nor too loose. After the belt has been so tensioned, a force to deflect the belt by a certain amount to assure proper tension can be measured. Stop the drive and measure the belt span (see sketch). Using a spring scale, apply a perpendicular force to the center of the belt width and the center of the belt span. Measure the force required to deflect the belt 1/64" for each inch of belt span. For example, the deflection for a 32" belt span is 32 x 1/64 = 1/2" deflection. The force required to deflect the belt this amount at the proper tension is listed in the table below.



DEFLECTION FORCE FOR HPT® BELTS

Table No. 2

PITCH	WIDTH	FORCE
8mm	20mm	4 Lbs.
	30mm	6 Lbs.
	50mm	11 Lbs.
	85mm	19 Lbs.
14mm	40mm	11 Lbs.
	55mm	16 Lbs.
	85mm	26 Lbs.
	115mm	37 Lbs.
	170mm	58 Lbs.

NOTE — For belts wider than 2", it is suggested that a strip of keystock, or something similar, be placed across the belt under the point of force to prevent distortion.

For drives with shock loading or other unusual conditions, the force may have to be increased for proper operation of the drive.

OVERLOAD SERVICE FACTORS

BASIC SERVICE FACTORS

To find a basic service factor: First, determine the class of the driver (prime mover) in Table 1. Then, determine the basic service factor for the application in Table 3 — in the same class as the driver.

NORMAL RATING

To find the Normal Rating for a drive multiply the driver horsepower by the Basic Service Factor.

TABLE No. 1

Driver (prime mover)

Class of Driver	Class I	Class II	Class III
Momentary Peak Load, % of Rated Load	149%	150 to 249%	250 to 400%
A-C ELECTRONIC MOTORS Single Phase			All
Squirrel Cage NEMA Design A			
3600 rpm	40 hp up	1 1/2 thru 30 hp	1 thru 3 hp
1800 rpm	100 hp up	5 thru 75 hp	
1200 rpm	15 hp up	3/4 thru 10 hp	
900 rpm	5 hp up	1/2 thru 3 hp	
NEMA Design B			
3600 rpm		5 hp up	1 1/2 thru 3 hp
1800 rpm		5 hp up	1 thru 3 hp
1200 rpm		5 hp up	3/4 thru 3 hp
900 rpm		2 hp up	1/2 thru 1 1/2 hp
NEMA Design C			
1800 rpm		15 hp up	5 thru 10 hp
1200rpm		7 1/2 hp up	3 and 5 hp
900 rpm		All	
NEMA Design D			All
NEMA Design F	All		
Wound Rotor			
1800 rpm		20 hp	2 to 15 hp
1200 rpm		15 hp	2 to 10 hp
900 rpm		7 1/2 hp	1 to 5 hp
Synchronous		Normal Torque	High Torque
D-C ELECTRIC MOTORS	Shunt	Compound	Series
ENGINES—Internal Combustion	8 Cyl. Up	6 Cyl.	4Cyl., or less
HYDRAULIC MOTORS, LINE SHAFTS			All

Table No. 2

Additional service factors For speed-up drives

For speed-up drives, add to the basic service factor the additional factor given at right:

Speed-up Ratio Range	Add'l Factor
1 to 1.24	None
1.25 to 1.74	.10
1.75 to 2.49	.20
2.50 to 3.49	.30
3.50 & Over	.40

For unusual conditions

For 24-hour continuous operation and/or use of an idler, add 0.2 to basic service factor. For intermittent or seasonal operation, deduct 0.2 from the basic service factor.

Additional service factors are required for unusual conditions such as load reversal, heavy shock, plugged motor stop, electric brake. These should be determined by a transmission specialist.

Table No. 3

Basic Service Factors Of Driven Machines

Driven Machines		Drivers Class I	Class II	Class III
Agitators, Mixers	liquid	1.2	1.4	1.6
(paddle or propeller)	semiliquid	1.3	1.5	1.7
Bakery Machinery,	dough mixer	1.2	1.4	1.6
Brick And Clay Machinery				
	augers, mixers, granulators	1.4	1.6	1.8
	pug mills	1.6	1.8	2.0
Centrifuges		1.5	1.7	—
Compressors	reciprocating	1.6	1.8	2.0
	centrifugal	1.4	1.5	1.6
Conveyors	belt light package;	1.1	1.2	1.3
	oven belt: ore, coal sand	1.2	1.4	1.6
	apron, bucket, elevator, pan	1.4	1.6	1.8
	flight, screw	1.4	1.6	1.8
Fans, Blowers				
centrifugal, induced draft exhausters		1.4	1.6	1.8
propeller, mine fans, positive blowers		1.6	1.8	2.0
Generators and Exciters		1.4	1.6	1.8
Hammer Mills		1.5	1.7	1.9
Hoists, Elevators		1.4	1.6	1.8
Laundry Machinery	general	1.2	1.4	1.6
	extractors, washers	1.4	1.6	1.8
Line Shafts		1.2	1.4	1.6
Machine Tools				
	drill presses, lathes, screw machines	1.2	1.4	1.6
	boring mills, grinders	1.3	1.5	1.7
	milling machines, shapers	1.3	1.5	1.7
Mills	ball, rod, pebble, etc.	—	1.9	2.1
Paper Machinery				
	agitators, calendars, dryers	1.2	1.4	1.6
	beaters, jordans, Nash pumps, pulpers	1.4	1.6	1.8
Printing machinery				
	presses: newspaper, rotary, embossing, flat bed, magazine; linotype machines; cutters; folders	1.2	1.4	1.6
Pumps				
	centrifugal, gear, rotary, pipeline	1.2	1.4	1.6
	reciprocating	1.7	1.9	2.1
Rubber Plant Machinery		1.4	1.6	1.8
Saw Mill Machinery		1.4	1.6	1.8
Screens	vibrating (shakers)	1.3	1.5	—
	drum, conical	1.2	1.4	—
Textile Machinery				
	looms, spinning frames, twisters	1.3	1.5	1.7
	warpers, reels	1.2	1.4	—
Woodworking Machinery				
	lathes, band saws	1.2	1.3	—
	jointers, circular saws, planers	1.2	1.4	—
Worm Gear Speed Reducers				
	input side	1.1	1.2	—

HPT® DRIVE SELECTION EXAMPLE

A dough mixer is to be driven at 435 RPM by a 1750 RPM, 15 HP NEMA Design B electric motor. The desired center distance is approximately 20 inches. The drive will operate 12 to 16 hours per day. The motor shaft is 1 5/8" diameter and the mixer shaft is 2" diameter.

1. Determine the Design Horsepower

From page E-75, note that a NEMA design B motor is rated as a Class II driver and that a dough mixer driven by a Class II driver requires a 1.4 service factor. Note also that .2 should be added to the service factor for 12 to 16 hours service, so a 1.6 service factor is needed.
15 (Motor HP) x 1.6 (S.F.) = 24 Design Horsepower

2. Determine the Belt Pitch

From the Belt Pitch Selection Table, this page, for 24 HP and 1750 RPM, the belt pitch is 8M.

3. Determine the Sprocket-Belt Combination

Locate the driven speed nearest to 435 RPM in the 8M table under 1750 RPM motor speed. The nearest speed is 437 RPM found on pg. E-85. The sprocket combination is 36 and 144. This combination with a 50mm wide belt gives a 23.57 basic HP rating. Read to the right from the 36-144 combination to the center distance nearest 20 which is 20.56 on pg. E-86. Read upward and find the 1800 Belt which has a 1.2 belt length factor with this sprocket combination. 1.2 x 23.57 = 28.28 Corrected HP.

Since the corrected HP is greater than the Design HP rating determined in Step 1, the sprocket combination is satisfactory for this drive.

4. List Drive Components

Select belt from Page E-73. Select sprockets from Page E-70.

Drive Components are:
1, B368M50SH
1, SH x 1 5/8
1, B1448M50E
1, E x 2
1, B18008M50

Table No. 1

Belt Pitch Selection

RPM OF SMALLEST SHEAVE	DESIGN HORSEPOWER												
	.2 – .5	.5 – .8	.8 – 2.0	2.0 – 5.0	5.0 – 10.0	10.0 – 20.0	20.0 – 30.0	30.0 – 40.0	40.0 – 60.0	60.0 – 80.0	80.0 – 100.0	100.0 – 200.0	OVER 200.0
10	8M	8M 14M	14M	14M	14M								
20	8M	8M	8M 14M	14M	14M	14M							
30	8M	8M	8M 14M	8M 14M	14M	14M	14M						
40	8M	8M	8M 14M	8M 14M	14M	14M	14M						
50	8M	8M	8M 14M	8M 14M	8M 14M	14M	14M	14M					
100	8M	8M	8M	8M 14M	8M 14M	14M	14M	14M	14M	14M			
200	8M	8M	8M	8M	8M 14M	8M 14M	8M 14M	14M	14M	14M	14M	14M	
300	8M	8M	8M	8M	8M 14M	8M 14M	8M 14M	8M 14M	14M	14M	14M	14M	
400	8M	8M	8M	8M	8M 14M	8M 14M	8M 14M	8M 14M	14M	14M	14M	14M	
500	8M	8M	8M	8M	8M	8M 14M	8M 14M	8M 14M	14M	14M	14M	14M	14M
870	8M	8M	8M	8M	8M	8M 14M	8M 14M	8M 14M	14M	14M	14M	14M	14M
1000	8M	8M	8M	8M	8M	8M 14M	8M 14M	8M 14M	8M 14M	14M	14M	14M	14M
1170	8M	8M	8M	8M	8M	8M	8M 14M	8M 14M	8M 14M	8M 14M	14M	14M	14M
1750	8M	8M	8M	8M	8M	8M	8M 14M	8M 14M	8M 14M	8M 14M	14M	14M	14M
2000	8M	8M	8M	8M	8M	8M	8M 14M	8M 14M	8M 14M	8M 14M	14M	14M	14M
3500	8M	8M	8M	8M	8M	8M	8M 14M	8M 14M	8M 14M	8M 14M	14M	14M	14M
5000	8M	8M	8M	8M	8M	8M	8M	8M	8M	8M	8M		

Table No.1

Horsepower Ratings for 8M Belts

RPM of Smaller Sprocket	Number of Teeth in Smaller Sprocket															
	22	24	26	28	30	32	34	36	38	40	44	48	56	64	72	80
20mm (.79") wide																
10	0.02	0.02	0.03	0.04	0.04	0.05	0.06	0.06	0.07	0.08	0.08	0.09	0.11	0.12	0.14	0.15
20	0.04	0.05	0.06	0.07	0.08	0.10	0.11	0.12	0.14	0.15	0.17	0.18	0.21	0.24	0.27	0.30
40	0.09	0.10	0.12	0.14	0.17	0.19	0.22	0.25	0.28	0.30	0.33	0.36	0.42	0.48	0.54	0.61
80	0.17	0.20	0.24	0.28	0.33	0.38	0.44	0.50	0.56	0.61	0.67	0.73	0.85	0.97	1.09	1.21
100	0.22	0.25	0.30	0.36	0.42	0.48	0.55	0.62	0.70	0.76	0.83	0.91	1.06	1.21	1.36	1.51
200	0.44	0.49	0.60	0.71	0.83	0.96	1.10	1.25	1.40	1.51	1.66	1.79	2.06	2.33	2.59	2.84
300	0.66	0.72	0.86	1.03	1.20	1.39	1.59	1.80	2.03	2.19	2.39	2.59	2.97	3.35	3.72	4.09
400	0.87	0.95	1.12	1.33	1.56	1.80	2.06	2.34	2.63	2.84	3.10	3.35	3.84	4.33	4.81	5.28
500	1.09	1.19	1.37	1.63	1.91	2.20	2.52	2.85	3.21	3.47	3.78	4.09	4.69	5.28	5.86	6.43
600	1.31	1.43	1.62	1.92	2.24	2.59	2.96	3.36	3.78	4.09	4.45	4.81	5.51	6.20	6.88	7.55
700	1.53 •	1.67	1.86	2.20	2.58	2.98	3.40	3.86	4.33	4.69	5.10	5.51	6.32	7.11	7.88	8.63
800	1.75 •	1.90	2.09	2.48	2.90	3.35	3.83	4.34	4.88	5.28	5.75	6.20	7.11	7.99	8.85	9.69
870	**1.90 •**	**2.07 •**	**2.25**	**2.67**	**3.13**	**3.61**	**4.13**	**4.68**	**5.26**	**5.69**	**6.19**	**6.68**	**7.65**	**8.59**	**9.51**	**10.41**
1000	2.18 •	2.38 •	2.58 •	3.03	3.54	4.09	4.67	5.29	5.95	6.43	6.99	7.55	8.63	9.69	10.72	11.72
1160	**2.53 •**	**2.76 •**	**2.98 •**	**3.45**	**4.04**	**4.66**	**5.32**	**6.03**	**6.78**	**7.33**	**7.96**	**8.59**	**9.81**	**11.00**	**12.15**	**13.27**
1200	2.61 •	2.85 •	3.09 •	3.56	4.16	4.80	5.49	6.21	6.98	7.55	8.20	8.85	10.10	11.32	12.50	13.64
1400	3.05 •	3.32 •	3.60 •	4.07	4.76	5.50	6.28	7.11	7.99	8.63	9.38	10.10	11.52	12.89	14.20	15.46
1600	3.48 •	3.79 •	4.10 •	4.58 •	5.35 •	6.17	7.05	7.98	8.97	9.69	10.51	11.32	12.89	14.38	15.81	17.17
1750	**3.80 •**	**4.14 •**	**4.48 •**	**4.95 •**	**5.78 •**	**6.67**	**7.62**	**8.62**	**9.68**	**10.46**	**11.35**	**12.21**	**13.88**	**15.46**	**16.96**	**18.37**
2000	4.34 •	4.72 •	5.11 •	5.60 •	6.49 •	7.48	8.54	9.67	10.85	11.72	12.69	13.64	15.46	17.17	18.76	20.23
2400	5.18 •	5.64 •	6.10 •	6.69 •	7.57 •	8.73 •	9.96	11.27	12.64	13.64	14.75	15.81	17.82	19.65	21.31	22.78
2800	6.02 •	6.55 •	7.08 •	7.75 •	8.60 •	9.92 •	11.31	12.78	14.34	15.46	16.67	17.82	19.94	21.82	23.44	24.77
3200	—	—	8.03 •	8.79 •	9.59 •	11.04 •	12.59 •	14.22	15.93	17.17	18.45	19.65	21.82	23.65	25.09	—
3500	**—**	**—**	**—**	**—**	**10.35 •**	**11.85 •**	**13.50 •**	**15.24**	**17.07**	**18.37**	**19.69**	**20.92**	**23.06**	**24.77**	**—**	**—**
4000	—	—	—	—	—	13.11 •	14.92 •	16.82 •	18.83 •	20.23	21.57	22.78	24.77	—	—	—
4500	—	—	—	—	—	—	16.21 •	18.26 •	20.41 •	21.89 •	23.20 •	24.33 •	—	—	—	—
5000	—	—	—	—	—	—	—	19.54 •	21.81 •	23.33 •	24.55 •	25.52 •	—	—	—	—
5500	—	—	—	—	—	—	—	—	23.01 •	24.55 •	25.61 •	—	—	—	—	—
30mm (1.18") wide																
10	0.03	0.04	0.05	0.06	0.07	0.08	0.09	0.10	0.11	0.12	0.13	0.14	0.17	0.19	0.21	0.24
20	0.07	0.08	0.09	0.11	0.13	0.15	0.17	0.20	0.22	0.24	0.26	0.29	0.33	0.38	0.43	0.48
40	0.14	0.16	0.19	0.22	0.26	0.30	0.35	0.39	0.44	0.48	0.52	0.57	0.67	0.76	0.86	0.95
80	0.28	0.31	0.38	0.45	0.52	0.61	0.69	0.79	0.89	0.95	1.05	1.15	1.34	1.53	1.72	1.91
100	0.34	0.39	0.47	0.56	0.66	0.76	0.87	0.98	1.11	1.19	1.31	1.43	1.67	1.91	2.15	2.39
200	0.69	0.78	0.94	1.12	1.31	1.52	1.74	1.97	2.21	2.39	2.61	2.83	3.25	3.67	4.08	4.48
300	1.03	1.13	1.36	1.62	1.90	2.19	2.51	2.84	3.20	3.46	3.77	4.08	4.68	5.28	5.87	6.45
400	1.38	1.50	1.77	2.10	2.46	2.84	3.25	3.68	4.14	4.48	4.88	5.28	6.06	6.83	7.58	8.33
500	1.72	1.88	2.16	2.57	3.00	3.47	3.97	4.50	5.06	5.48	5.96	6.45	7.40	8.33	9.24	10.14
600	2.07	2.25	2.55	3.03	3.54	4.09	4.68	5.30	5.96	6.45	7.02	7.58	8.70	9.79	10.86	11.91
700	2.41 •	2.63	2.93	3.47	4.06	4.69	5.37	6.08	6.84	7.40	8.05	8.70	9.97	11.21	12.43	13.62
800	2.75 •	3.00	3.30	3.91	4.58	5.29	6.04	6.85	7.70	8.33	9.06	9.79	11.21	12.60	13.96	15.29
870	**2.99 •**	**3.26 •**	**3.55**	**4.22**	**4.93**	**5.70**	**6.51**	**7.38**	**8.29**	**8.97**	**9.76**	**10.54**	**12.06**	**13.55**	**15.01**	**16.43**
1000	3.44 •	3.75 •	4.06 •	4.77	5.58	6.45	7.37	8.35	9.38	10.14	11.03	11.91	13.62	15.29	16.91	18.50
1160	**3.99 •**	**4.35 •**	**4.71 •**	**5.44**	**6.36**	**7.35**	**8.40**	**9.51**	**10.69**	**11.56**	**12.56**	**13.55**	**15.49**	**17.36**	**19.18**	**20.95**
1200	4.12 •	4.50 •	4.87 •	5.61	6.56	7.57	8.65	9.80	11.01	11.91	12.94	13.96	15.94	17.87	19.74	21.54
1400	4.81 •	5.24 •	5.67 •	6.43	7.51	8.67	9.91	11.21	12.60	13.62	14.79	15.94	18.18	20.34	22.42	24.42
1600	5.49 •	5.98 •	6.47 •	7.22 •	8.44 •	9.74	11.13	12.59	14.15	15.29	16.59	17.87	20.34	22.71	24.98	27.13
1750	**6.00 •**	**6.53 •**	**7.07 •**	**7.81 •**	**9.12 •**	**10.53**	**12.02**	**13.61**	**15.28**	**16.51**	**17.91**	**19.27**	**21.91**	**24.42**	**26.81**	**29.05**
2000	6.84 •	7.45 •	8.06 •	8.84 •	10.23 •	11.81	13.48	15.25	17.13	18.50	20.04	21.54	24.42	27.13	29.67	32.03
2400	8.18 •	8.91 •	9.63 •	10.56 •	11.95 •	13.78 •	15.73	17.79	19.96	21.54	23.29	24.98	28.17	31.11	33.77	36.15
2800	9.51 •	10.34 •	11.17 •	12.24 •	13.59 •	15.66 •	17.86	20.19	22.65	24.42	26.34	28.17	31.57	34.60	37.22	39.40
3200	—	—	12.68 •	13.88 •	15.15 •	17.45 •	19.89 •	22.47	25.18	27.13	29.18	31.11	34.60	37.56	39.94	—
3500	**—**	**—**	**—**	**—**	**16.37 •**	**18.73 •**	**21.34 •**	**24.09**	**26.99**	**29.05**	**31.17**	**33.13**	**36.60**	**39.40**	**—**	**—**
4000	—	—	—	—	—	20.73 •	23.60 •	26.62 •	29.80 •	32.03	34.19	36.15	39.40	—	—	—
4500	—	—	—	—	—	—	25.67 •	28.93 •	32.34 •	34.70 •	36.82 •	38.67 •	—	—	—	—
5000	—	—	—	—	—	—	—	31.00 •	34.61 •	37.04 •	39.05 •	40.68 •	—	—	—	—
5500	—	—	—	—	—	—	—	—	36.57 •	39.05 •	40.82 •	—	—	—	—	—

• Use this Sprocket at this Speed only if a reduction in belt life is acceptable.

Table No. 1

Horsepower Ratings for 8M Belts

RPM of Smaller Sprocket	Number of Teeth in Smaller Sprocket												
	28	30	32	34	36	38	40	44	48	56	64	72	80
50mm (1.47") wide													
10	0.10	0.11	0.13	0.15	0.17	0.19	0.21	0.23	0.25	0.29	0.33	0.37	0.41
20	0.19	0.23	0.26	0.30	0.34	0.38	0.41	0.45	0.50	0.58	0.66	0.74	0.83
40	0.39	0.45	0.53	0.60	0.68	0.77	0.83	0.91	0.99	1.16	1.32	1.49	1.65
80	0.78	0.91	1.05	1.20	1.36	1.53	1.65	1.82	1.98	2.31	2.64	2.97	3.31
100	0.97	1.14	1.31	1.50	1.70	1.92	2.07	2.27	2.48	2.89	3.31	3.72	4.13
200	1.94	2.27	2.63	3.01	3.41	3.83	4.13	4.53	4.90	5.63	6.35	7.06	7.76
300	2.81	3.28	3.79	4.34	4.92	5.54	5.99	6.53	7.06	8.11	9.14	10.16	11.16
400	3.64	4.26	4.92	5.63	6.38	7.17	7.76	8.46	9.14	10.50	11.83	13.13	14.42
500	4.45	5.20	6.01	6.88	7.79	8.76	9.49	10.33	11.16	12.81	14.42	16.01	17.57
600	5.24	6.13	7.08	8.10	9.18	10.32	11.16	12.16	13.13	15.06	16.95	18.80	20.63
700	6.02	7.04	8.13	9.29	10.53	11.84	12.81	13.94	15.06	17.26	19.41	21.52	23.60
800	6.78	7.93	9.16	10.47	11.86	13.33	14.42	15.69	16.95	19.41	21.82	24.18	26.49
870	**7.31**	**8.54**	**9.87**	**11.28**	**12.78**	**14.36**	**15.54**	**16.90**	**18.25**	**20.90**	**23.48**	**26.00**	**28.47**
1000	8.27	9.67	11.17	12.76	14.45	16.24	17.57	19.11	20.63	23.60	26.49	29.31	32.05
1160	**9.43**	**11.02**	**12.73**	**14.55**	**16.48**	**18.51**	**20.02**	**21.76**	**23.48**	**26.83**	**30.08**	**33.24**	**36.31**
1200	9.72	11.36	13.12	14.99	16.97	19.07	20.63	22.42	24.18	27.62	30.96	34.20	37.34
1400	11.13	13.01	15.02	17.16	19.43	21.62	23.60	25.63	27.62	31.51	35.26	38.87	42.35
1600	12.51 •	14.62 •	16.87	19.27	21.82	24.51	26.49	28.75	30.96	35.26	39.38	43.32	47.07
1750	**13.53 •**	**15.80 •**	**18.24**	**20.83**	**23.57**	**26.47**	**28.61**	**31.03**	**33.40**	**37.98**	**42.35**	**46.50**	**50.42**
2000	15.32 •	17.73 •	20.46	23.36	26.43	29.67	32.05	34.73	37.34	42.35	47.07	51.50	55.62
2400	18.29 •	20.71 •	23.88•	27.26	30.83	34.59	37.34	40.38	43.32	48.88	54.01	58.69	62.87
2800	21.21 •	23.56 •	27.15 •	30.97	35.01	39.26	42.35	45.69	48.88	54.82	60.14	64.77	68.68
3200	24.07 •	26.27 •	30.26 •	34.50 •	38.97	43.69	47.07	50.64	54.01	60.14	65.38	69.65	—
3500	**—**	**28.39 •**	**32.49 •**	**37.02 •**	**41.80**	**46.83**	**50.42**	**54.12**	**57.56**	**63.68**	**68.68**	**—**	**—**
4000	—	—	35.99 •	40.97	46.22 •	51.74 •	55.62	59.42	62.87	68.68	—	—	—
4500	—	—	—	44.60 •	50.27 •	56.21 •	60.32 •	64.08 •	67.37 •	—	—	—	—
5000	—	—	—	—	53.91 •	60.20 •	64.47 •	68.04 •	70.99 •	—	—	—	—
5500	—	—	—	—	—	63.69 •	68.04 •	71.25 •	—	—	—	—	—
85mm (3.35") wide													
10	—	—	—	0.26	0.30	0.33	0.36	0.40	0.43	0.50	0.57	0.65	0.72
20	—	—	—	0.52	0.59	0.67	0.72	0.79	0.86	1.01	1.15	1.29	1.44
40	—	—	—	1.05	1.19	1.33	1.44	1.58	1.72	2.01	2.30	2.59	2.87
80	—	—	—	2.09	2.37	2.67	2.87	3.16	3.45	4.02	4.60	5.17	5.75
100	—	—	—	2.61	2.96	3.34	3.59	3.95	4.31	5.03	5.75	6.47	7.19
200	—	—	—	5.23	5.93	6.67	7.19	7.88	8.52	9.80	11.05	12.29	13.51
300	—	—	—	7.55	8.56	9.63	10.42	11.36	12.29	14.11	15.91	17.68	19.42
400	—	—	—	9.79	11.10	12.48	13.51	14.71	15.91	18.26	20.57	22.85	25.09
500	—	—	—	11.96	13.56	15.24	16.50	17.97	19.42	22.28	25.09	27.85	30.57
600	—	—	—	14.09	15.96	17.95	19.42	21.15	22.85	26.20	29.49	32.71	35.88
700	—	—	—	16.17	18.32	20.59	22.28	24.25	26.20	30.03	33.77	37.45	41.05
800	—	—	—	18.21	20.63	23.19	25.09	27.30	29.49	33.77	37.97	42.07	46.09
870	**—**	**—**	**—**	**19.62**	**22.23**	**24.98**	**27.03**	**29.40**	**31.75**	**36.35**	**40.85**	**45.24**	**49.53**
1000	—	—	—	22.20	25.15	28.26	30.57	33.24	35.88	41.05	46.09	50.99	55.78
1160	**—**	**—**	**—**	**25.31**	**28.66**	**32.21**	**34.83**	**37.86**	**40.85**	**46.68**	**52.35**	**57.85**	**63.19**
1200	—	—	—	26.08	29.53	33.18	35.88	39.00	42.07	48.06	53.88	59.52	64.99
1400	—	—	—	29.85	33.80	37.97	41.05	44.59	48.06	54.83	61.36	67.66	73.72
1600	—	—	—	33.53	37.96	42.64	46.09	50.02	53.88	61.36	68.54	75.41	81.97
1750	**—**	**—**	**—**	**36.24**	**41.02**	**46.06**	**49.78**	**54.00**	**58.13**	**66.11**	**73.72**	**80.96**	**87.82**
2000	—	—	—	40.65	45.99	51.64	55.78	60.44	64.99	73.72	81.97	89.71	96.92
2400	—	—	—	47.43	53.65	60.20	64.99	70.29	75.41	85.13	94.10	102.29	109.65
2800	—	—	—	53.90	60.94	68.35	73.72	79.55	85.13	95.52	104.84	113.00	119.91
3200	—	—	—	60.06 •	67.85	76.06	81.97	88.20	94.10	104.84	114.06	121.64	—
3500	**—**	**—**	**—**	**64.46 •**	**72.79**	**81.56**	**87.82**	**94.28**	**100.32**	**111.07**	**119.91**	**—**	**—**
4000	—	—	—	71.37 •	80.52•	90.14 •	96.92	103.58	109.65	119.91	—	—	—
4500	—	—	—	77.73 •	87.61 •	97.97 •	105.15 •	111.77 •	117.59 •	—	—	—	—
5000	—	—	—	—	94.00 •	104.99 •	112.45 •	118.77 •	124.03 •	—	—	—	—
5500	—	—	—	—	—	111.15 •	118.77 •	124.50 •	—	—	—	—	—

• Use this Sprocket at this Speed only if a reduction in belt life is acceptable.

Table No. 1

Horsepower Ratings for 14M Belts

RPM of Smaller Sprocket	Number of Teeth in Smaller Sprocket																
	28	29	30	32	34	36	38	40	44	48	52	56	60	64	68	72	80
40mm (1.57″) wide																	
10	0.24	0.26	0.26	0.32	0.37	0.42	0.45	0.48	0.54	0.59	0.65	0.70	0.75	0.80	0.85	0.90	1.01
20	0.48	0.52	0.56	0.65	0.74	0.84	0.91	0.96	1.07	1.19	1.30	1.41	1.51	1.61	1.71	1.81	2.01
40	0.96	1.04	1.12	1.30	1.48	1.67	1.81	1.92	2.15	2.38	2.60	2.81	3.02	3.22	3.42	3.62	4.02
60	1.44	1.56	1.68	1.94	2.22	2.51	2.72	2.88	3.22	3.57	3.90	4.22	4.52	4.82	5.13	5.43	6.03
100	2.40	2.60	2.81	3.24	3.70	4.18	4.53	4.81	5.37	5.94	6.50	7.04	7.54	8.04	8.54	9.05	10.05
200	4.80	5.20	5.61	6.48	7.39	8.36	9.06	9.61	10.73	11.88	13.00	14.06	15.07	16.07	17.07	18.08	20.08
300	6.58	7.12	7.68	8.85	10.09	11.39	12.33	13.06	14.54	16.07	17.55	19.04	20.56	22.11	23.68	25.28	28.55
400	8.17	8.84	9.53	10.97	12.48	14.08	15.23	16.11	17.91	19.74	21.51	23.30	25.11	26.95	28.81	30.69	34.54
500	9.63	10.41	11.22	12.90	14.67	16.52	17.86	18.87	20.93	23.03	25.05	27.08	29.13	31.20	33.29	35.40	39.69
600	10.98	11.87	12.78	14.68	16.68	18.77	20.26	21.39	23.68	26.01	28.23	30.46	32.70	34.96	37.24	39.53	44.14
700	12.24	13.22	14.23	16.33	18.54	20.84	22.48	23.71	26.20	28.71	31.11	33.50	35.90	38.30	40.72	43.13	47.97
800	13.42	14.49	15.59	17.87	20.27	22.77	24.54	25.85	28.51	31.18	33.72	36.24	38.75	41.26	43.77	46.27	51.23
870	**14.20**	**15.33**	**16.49**	**18.89**	**21.41**	**24.04**	**25.89**	**27.26**	**30.01**	**32.78**	**35.40**	**37.99**	**40.56**	**43.12**	**45.67**	**48.20**	**53.19**
1000	15.57	16.80	18.05	20.66	23.39	26.23	28.21	29.67	32.58	35.49	38.22	40.89	43.53	46.14	48.72	51.25	56.17
1160	**17.12**	**18.45**	**19.82**	**22.65**	**25.60**	**28.67**	**30.79**	**32.32**	**35.37**	**38.39**	**41.19**	**43.89**	**46.54**	**49.12**	**51.63**	**54.07**	**58.67**
1200	17.48	18.84	20.23	23.11	26.12	29.24	31.38	32.93	36.00	39.05	41.85	44.55	47.19	49.74	52.22	54.61	59.10
1400	19.17 •	20.65	22.15	25.26	28.49	31.84	34.10	35.70	38.84	41.91	44.67	47.28	49.77	52.13	54.35	56.42	60.08
1600	20.67 •	22.24 •	23.84	27.13	30.54	34.06	36.40	38.00	41.12	44.11	46.72	49.11	51.31	53.32	55.11	56.67	59.07
1750	**21.67 •**	**23.30 •**	**24.95 •**	**28.36**	**31.88**	**35.49**	**37.86**	**39.44**	**42.48**	**45.34**	**47.76**	**49.90**	**51.79**	**53.42**	**54.77**	**55.83**	**56.98**
2000	23.12 •	24.82 •	26.55 •	30.09	33.73	37.46	39.81	41.30	44.09	46.60	48.54	50.10	51.28	52.08	52.46	—	—
2400	26.91 •	27.72 •	28.52 •	32.07 •	35.76	39.50	41.69	42.89	44.96	46.54	47.31	47.44	—	—	—	—	—
2800	30.56 •	31.41 •	32.24 •	33.82 •	36.64 •	40.20	42.04	42.77	43.69	43.85	—	—	—	—	—	—	—
3200	—	34.67 •	35.49 •	37.01 •	38.36 •	39.54 •	40.84	41.33	42.29	—	—	—	—	—	—	—	—
3500	**—**	**—**	**37.58 •**	**38.97 •**	**40.15 •**	**41.10 •**	**41.81**	**42.26**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**
4000	—	—	—	41.33 •	42.03 •	—	—	—	—	—	—	—	—	—	—	—	—
55mm (2.17”) wide																	
10	0.36	0.39	0.42	0.48	0.55	0.62	0.68	0.72	0.80	0.89	0.97	1.05	1.13	1.20	1.28	1.35	1.50
20	0.72	0.78	0.84	0.97	1.10	1.25	1.35	1.43	1.60	1.77	1.94	2.10	2.25	2.40	2.55	2.70	3.00
40	1.43	1.55	1.68	1.93	2.21	2.49	2.70	2.87	3.20	3.55	3.88	4.20	4.50	4.80	5.10	5.40	6.00
60	2.15	2.33	2.51	2.90	3.31	3.74	4.06	4.30	4.80	5.32	5.82	6.30	6.75	7.20	7.65	8.10	9.00
100	3.58	3.88	4.19	4.83	5.52	6.23	6.76	7.17	8.01	8.87	9.70	10.50	11.25	12.00	12.75	13.50	15.00
200	7.16	7.76	8.37	9.66	11.03	12.47	13.52	14.34	16.01	17.73	19.40	20.99	22.48	23.98	25.48	26.97	29.96
300	9.81	10.62	11.46	13.20	15.05	16.99	18.40	19.49	21.70	23.98	26.19	28.42	30.69	33.00	35.34	37.73	42.61
400	12.19	13.19	14.22	16.37	18.63	21.01	22.73	24.04	26.72	29.46	32.11	34.77	37.48	40.22	43.00	45.82	51.56
500	14.37	15.54	16.74	19.25	21.89	24.66	26.65	28.17	31.24	34.37	37.39	40.42	43.48	46.58	49.70	52.86	59.27
600	16.39	17.71	19.07	21.91	24.89	28.01	30.25	31.93	35.35	38.82	42.15	45.48	48.83	52.21	55.61	59.04	65.94
700	18.27	19.73	21.24	24.38	27.67	31.11	33.56	35.40	39.11	42.87	46.46	50.03	53.62	57.22	60.83	64.46	71.71
800	20.03	21.63	23.27	26.68	30.26	33.99	36.63	38.60	42.57	46.58	50.37	54.14	57.91	61.67	65.43	69.18	76.64
870	**21.20**	**22.89**	**24.61**	**28.20**	**31.97**	**35.89**	**38.65**	**40.70**	**44.82**	**48.97**	**52.89**	**56.77**	**60.63**	**64.48**	**68.31**	**72.11**	**79.63**
1000	23.25	25.08	26.96	30.86	34.93	39.18	42.14	44.32	48.68	53.05	57.14	61.15	65.12	69.05	72.93	76.75	84.20
1160	**25.56**	**27.56**	**29.60**	**33.83**	**38.25**	**42.83**	**46.00**	**48.30**	**52.87**	**57.42**	**61.62**	**65.71**	**69.70**	**73.61**	**77.42**	**81.12**	**88.16**
1200	26.11	28.14	30.22	34.53	39.02	43.69	46.90	49.22	53.83	58.41	62.62	66.71	70.69	74.57	78.34	81.96	88.87
1400	28.66 •	30.86	33.11	37.76	42.59	47.60	51.00	53.40	58.13	62.76	66.94	70.92	74.72	78.33	81.75	84.97	90.71
1600	30.91 •	33.26 •	35.65	40.58	45.69	50.97	54.48	56.91	61.62	66.16	70.15	73.83	77.24	80.38	83.21	85.73	89.74
1750	**32.43 •**	**34.86 •**	**37.35 •**	**42.45**	**47.73**	**53.15**	**56.72**	**59.11**	**63.74**	**68.11**	**71.83**	**75.18**	**78.17**	**80.79**	**83.02**	**84.83**	**87.12**
2000	34.64 •	37.19 •	39.78 •	45.10	50.57	56.17	59.74	62.02	66.31	70.21	73.29	75.83	77.84	79.31	80.20	—	—
2400	40.38 •	41.62 •	42.83 •	48.20 •	53.78	59.43	62.79	64.68	67.99	70.61	72.07	72.65	—	—	—	—	—
2800	45.96 •	47.28 •	48.56 •	51.02 •	55.34 •	60.77	63.66	64.90	66.63	67.28	—	—	—	—	—	—	—
3200	—	52.35 •	53.63 •	56.04 •	58.22 •	60.18 •	62.31	63.27	65.24	—	—	—	—	—	—	—	—
3500	**—**	**—**	**56.96 •**	**59.22 •**	**61.20 •**	**62.85 •**	**64.18**	**65.15**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**
4000	—	—	—	63.27 •	64.64 •	—	—	—	—	—	—	—	—	—	—	—	—
85mm (3.35") Wide																	
10	0.59	0.64	0.70	0.80	0.92	1.03	1.12	1.19	1.33	1.47	1.61	1.74	1.87	1.99	2.12	2.24	2.49
20	1.19	1.29	1.39	1.60	1.83	2.07	2.24	2.38	2.66	2.94	3.22	3.49	3.73	3.98	4.23	4.48	4.98
40	2.38	2.58	2.78	3.21	3.66	4.14	4.49	4.76	5.32	5.89	6.44	6.97	7.47	7.97	8.46	8.96	9.96
60	3.57	3.86	4.17	4.81	5.49	6.21	6.73	7.14	7.97	8.83	9.66	10.46	11.20	11.95	12.70	13.44	14.94
100	5.94	6.44	6.95	8.02	9.15	10.35	11.22	11.90	13.29	14.71	16.11	17.42	18.67	19.91	21.16	22.40	24.89
200	11.88	12.87	13.90	16.04	18.30	20.69	22.44	23.79	26.57	29.42	32.20	34.83	37.32	39.80	42.29	44.77	49.73
300	16.28	17.63	19.02	21.91	24.98	28.20	30.54	32.34	36.02	39.80	43.47	47.17	50.94	54.77	58.67	62.63	70.73
400	20.23	21.89	23.60	27.16	30.92	34.87	37.73	39.91	44.35	48.90	53.30	57.72	62.21	66.77	71.39	76.07	85.60
500	23.85	25.79	27.79	31.95	36.33	40.93	44.24	46.75	51.86	57.06	62.07	67.10	72.19	77.33	82.53	87.78	98.43
600	27.20	29.40	31.66	36.37	41.32	46.50	50.21	53.01	58.69	64.46	69.99	75.51	81.09	86.71	92.37	98.07	109.56

• Use this Sprocket at this Speed only if a reduction in belt life is acceptable.

E

Table No. 1

Horsepower Ratings for 14M Belts

RPM of Smaller Sprocket	Number of Teeth in Smaller Sprocket																
	28	29	30	32	34	36	38	40	44	48	52	56	60	64	68	72	80
85mm (3.35") wide (continued)																	
700	30.33	32.76	35.26	40.47	45.94	51.65	55.72	58.77	64.94	71.20	77.16	83.10	89.07	95.06	101.07	107.10	119.19
800	33.26	35.91	38.63	44.30	50.24	56.44	60.83	64.10	70.69	77.36	83.67	89.94	96.22	102.49	108.76	115.01	127.46
870	**35.20**	**38.00**	**40.87**	**46.83**	**53.08**	**59.59**	**64.19**	**67.59**	**74.45**	**81.35**	**87.88**	**94.33**	**100.77**	**107.19**	**113.58**	**119.93**	**132.50**
1000	38.61	41.65	44.77	51.24	58.01	65.06	69.99	73.62	80.87	88.15	94.97	101.67	108.30	114.87	121.36	127.77	140.27
1160	**42.46**	**45.77**	**49.17**	**56.20**	**63.54**	**71.16**	**76.44**	**80.26**	**87.89**	**95.47**	**102.50**	**109.33**	**116.03**	**122.59**	**128.99**	**135.22**	**147.14**
1200	43.37	46.75	50.21	57.36	64.83	72.58	77.94	81.80	89.50	97.13	104.18	111.02	117.71	124.23	130.57	136.72	148.40
1400	47.62 •	51.28	55.02	62.76	70.80	79.13	84.79	88.80	96.72	104.47	111.50	118.19	124.61	130.74	136.57	142.06	151.99
1600	51.40 •	55.30 •	59.28	67.49	76.00	84.78	90.65	94.71	102.63	110.27	117.01	123.27	129.10	134.50	139.42	143.85	151.09
1750	**53.94 •**	**57.99 •**	**62.13 •**	**70.63**	**79.42**	**88.47**	**94.43**	**98.46**	**106.25**	**113.64**	**119.99**	**125.73**	**130.92**	**135.52**	**139.51**	**142.84**	**147.40**
2000	57.66 •	61.92 •	66.25 •	75.12	84.26	93.61	99.59	103.45	110.75	117.43	122.79	127.29	130.96	133.78	135.68	—	—
2400	67.33 •	69.42 •	71.47 •	80.45 •	89.81	99.30	104.98	108.25	114.04	118.76	121.61	123.06	—	—	—	—	—
2800	76.78 •	79.02 •	81.20 •	85.40 •	92.72 •	101.91	106.88	109.15	112.49	114.15	—	—	—	—	—	—	—
3200	—	87.70 •	89.92 •	94.11 •	97.95 •	101.44 •	105.25	107.15	111.14	—	—	—	—	—	—	—	—
3500	**—**	**—**	**95.71 •**	**99.73 •**	**103.29 •**	**106.37 •**	**108.93**	**110.95**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**
4000	—	—	—	107.15 •	109.86 •	—	—	—	—	—	—	—	—	—	—	—	—
115mm (4.53") wide																	
10	0.83	0.90	0.97	1.12	1.28	1.45	1.57	1.66	1.86	2.06	2.25	2.44	2.61	2.78	2.96	3.13	3.48
20	1.66	1.80	1.94	2.24	2.56	2.89	3.14	3.33	3.71	4.11	4.50	4.87	5.22	5.57	5.91	6.26	6.96
40	3.32	3.60	3.89	4.48	5.12	5.78	6.27	6.65	7.43	8.23	9.00	9.74	10.44	11.13	11.83	12.52	13.92
60	4.98	5.40	5.83	6.73	7.68	8.68	9.41	9.98	11.14	12.34	13.51	14.61	15.65	16.70	17.74	18.78	20.87
100	8.31	9.00	9.71	11.21	12.79	14.46	15.68	16.63	18.57	20.56	22.51	24.35	26.09	27.83	29.56	31.30	34.78
200	16.61	17.99	19.42	22.41	25.58	28.92	31.36	33.25	37.13	41.11	45.00	48.68	52.15	55.62	59.09	62.56	69.50
300	22.76	24.64	26.57	30.63	34.90	39.41	42.68	45.20	50.34	55.62	60.74	65.92	71.18	76.54	81.99	87.52	98.85
400	28.28	30.59	32.98	37.96	43.21	48.73	52.72	55.77	61.99	68.34	74.49	80.67	86.95	93.32	99.77	106.31	119.64
500	33.33	36.04	38.83	44.65	50.78	57.20	61.83	65.34	72.47	79.75	86.76	93.79	100.90	108.09	115.36	122.70	137.59
600	38.02	41.09	44.25	50.83	57.74	64.99	70.17	74.09	82.02	90.09	97.82	105.55	113.35	121.21	129.12	137.09	153.17
700	42.39	45.79	49.28	56.56	64.20	72.19	77.88	82.15	90.77	99.52	107.85	116.16	124.51	132.90	141.31	149.75	166.67
800	46.48	50.19	54.00	61.91	70.22	78.89	85.02	89.60	98.82	108.14	116.98	125.75	134.53	143.31	152.09	160.85	178.29
870	**49.20**	**53.11**	**57.12**	**65.46**	**74.19**	**83.30**	**89.72**	**94.49**	**104.07**	**113.73**	**122.87**	**131.90**	**140.91**	**149.90**	**158.84**	**167.75**	**185.37**
1000	53.97	58.22	62.56	71.63	81.09	90.95	97.85	102.91	113.07	123.25	132.80	142.18	151.48	160.69	169.79	178.78	196.34
1160	**59.36**	**63.99**	**68.74**	**78.57**	**88.83**	**99.49**	**106.87**	**112.23**	**122.90**	**133.52**	**143.37**	**152.95**	**162.35**	**171.56**	**180.56**	**189.33**	**206.11**
1200	60.63	65.35	70.19	80.20	90.64	101.48	108.97	114.38	125.16	135.86	145.74	155.33	164.72	173.88	182.80	191.46	207.92
1400	66.58 •	71.70	76.94	87.76	99.01	110.66	118.59	124.21	135.30	146.19	156.05	165.46	174.50	183.15	191.38	199.16	213.27
1600	71.88 •	77.34 •	82.91	94.40	106.31	118.60	126.82	132.52	143.64	154.38	163.87	172.70	180.97	188.62	195.63	201.97	212.43
1750	**75.45 •**	**81.13 •**	**86.91•**	**98.81**	**111.12**	**123.79**	**132.14**	**137.80**	**148.76**	**159.18**	**168.15**	**176.28**	**183.67**	**190.26**	**196.00**	**200.85**	**207.68**
2000	80.69 •	86.65 •	92.71 •	105.14	117.94	131.05	139.44	144.89	155.19	164.66	172.29	178.75	184.09	188.24	191.16	—	—
2400	94.28•	97.22 •	100.11 •	112.71 •	125.84	139.16	147.17	151.82	160.10	166.91	171.14	173.47	—	—	—	—	—
2800	107.59 •	110.75 •	113.84 •	119.79 •	130.11 •	143.05	150.11	153.40	158.36	161.02	—	—	—	—	—	—	—
3200	—	123.05 •	126.21 •	132.18 •	137.68 •	142.70 •	148.20	151.04	157.04	—	—	—	—	—	—	—	—
3500	**—**	**—**	**134.47 •**	**140.24 •**	**145.39 •**	**149.88 •**	**153.68**	**156.74**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**
4000	—	—	—	151.04 •	155.08 •	—	—	—	—	—	—	—	—	—	—	—	—
170mm (6.67") wide																	
10	—	—	—	—	—	2.20	2.39	2.53	2.83	3.13	3.42	3.71	3.97	4.23	4.50	4.76	5.29
20	—	—	—	—	—	4.40	4.77	5.06	5.65	6.26	6.85	7.41	7.94	8.47	9.00	9.53	10.59
40	—	—	—	—	—	8.80	9.54	10.12	11.30	12.51	13.70	14.82	15.88	16.94	18.00	19.05	21.17
60	—	—	—	—	—	13.20	14.32	15.18	16.95	18.77	20.55	22.23	23.82	25.40	26.99	28.58	31.75
100	—	—	—	—	—	22.00	23.86	25.30	28.25	31.28	34.24	37.05	39.69	42.34	44.98	47.63	52.91
200	—	—	—	—	—	43.99	47.71	50.59	56.48	62.55	68.47	74.06	79.35	84.63	89.91	95.19	105.74
300	—	—	—	—	—	59.95	64.94	68.77	76.60	84.63	92.42	100.29	108.31	116.46	124.75	133.17	150.40
400	—	—	—	—	—	74.14	80.22	84.86	94.31	103.99	113.33	122.75	132.30	141.99	151.82	161.77	182.05
500	—	—	—	—	—	87.04	94.07	99.42	110.27	121.35	132.01	142.71	153.53	164.48	175.54	186.72	209.38
600	—	—	—	—	—	98.89	106.78	112.73	124.80	137.09	148.85	160.62	172.49	184.46	196.51	208.64	233.12
700	—	—	—	—	—	109.85	118.50	125.00	138.12	151.44	164.13	176.78	189.50	202.27	215.09	227.94	253.72
800	—	—	—	—	—	120.04	129.38	136.34	150.38	164.57	178.03	191.39	204.77	218.15	231.52	244.87	271.47
870	**—**	**—**	**—**	**—**	**—**	**126.76**	**136.54**	**143.79**	**158.38**	**173.10**	**187.01**	**200.77**	**214.50**	**228.20**	**241.84**	**255.41**	**282.30**
1000	—	—	—	—	—	138.42	148.91	156.63	172.10	187.61	202.16	216.46	230.65	244.69	258.58	272.30	299.13
1160	**—**	**—**	**—**	**—**	**—**	**151.43**	**162.67**	**170.82**	**187.09**	**203.29**	**218.31**	**232.93**	**247.28**	**261.35**	**275.11**	**288.52**	**314.23**
1200	—	—	—	—	—	154.47	165.87	174.11	190.54	206.85	221.93	236.57	250.91	264.92	278.56	291.82	317.06
1400	—	—	—	—	—	168.47	180.55	189.11	206.04	222.66	237.73	252.13	265.97	279.23	291.87	303.84	325.62
1600	—	—	—	—	—	180.60	193.14	201.83	218.82	235.25	249.78	263.34	276.04	287.84	298.69	308.52	324.90
1750	**—**	**—**	**—**	**—**	**—**	**188.54**	**201.28**	**209.94**	**226.69**	**242.66**	**256.43**	**268.97**	**280.38**	**290.60**	**299.56**	**307.20**	**318.20**
2000	—	—	—	—	—	199.68	212.51	220.85	236.66	251.23	263.04	273.09	281.47	288.10	292.87	—	—
2400	—	—	—	—	—	212.25	224.53	231.71	244.54	255.18	261.96	265.89	—	—	—	—	—
2800	—	—	—	—	—	218.47	229.35	234.52	242.45	246.95	—	—	—	—	—	—	—
3200	—	—	—	—	—	218.35 •	226.93	231.50	241.19	—	—	—	—	—	—	—	—
3500	**—**	**—**	**—**	**—**	**—**	**229.66 •**	**235.72**	**240.69**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**
4000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

• Use this Sprocket at this Speed only if a reduction in belt life is acceptable.

Table No. 1

Line No.	Ratio	Sprocket Combination				Driven Speed and Horsepower												
		Driver		Driven		HP per Belt Width					HP per Belt Width							
							1750 RPM Driver					1160 RPM Driver						
		No. Teeth	Pitch Dia.	No. Teeth	Pitch Dia.	Driven RPM	20	30	50	85	Driven RPM	20	30	50	85	480	560	600
																Multiply HP Ratings by BELT LENGTH FACTOR →	.80	
1	1.00	22	2.206	22	2.206	1750	3.80 •	6.00 •	—	—	1160	2.53 •	3.99 •	—	—	5.99	7.56	8.35
2	1.00	24	2.406	24	2.406	1750	4.14 •	6.53 •	—	—	1160	2.76 •	4.35 •	—	—	5.67	7.25	8.03
3	1.00	26	2.607	26	2.607	1750	4.48 •	7.07 •	—	—	1160	2.98 •	4.71 •	—	—	5.36	6.93	7.72
4	1.00	28	2.807	28	2.807	1750	4.95 •	7.81 •	13.53 •	—	1160	3.45	5.44	9.43	—	5.04	6.62	7.40
5	1.00	30	3.008	30	3.008	1750	5.78 •	9.12 •	15.80 •	—	1160	4.04	6.36	11.02	—	4.73	6.30	7.09
6	1.00	32	3.208	32	3.208	1750	6.67	10.53	18.24	—	1160	4.66	7.35	12.73	—	4.41	5.99	6.77
7	1.00	34	3.409	34	3.409	1750	7.62	12.02	20.83	36.24	1160	5.32	8.40	14.55	25.31	4.10	5.67	6.46
8	1.00	36	3.609	36	3.609	1750	8.62	13.61	23.57	41.02	1160	6.03	9.51	16.48	28.66	—	5.36	6.15
9	1.00	38	3.810	38	3.810	1750	9.68	15.28	26.47	46.06	1160	6.78	10.69	18.51	32.21	—	5.04	5.83
10	1.00	40	4.010	40	4.010	1750	10.46	16.51	28.61	49.78	1160	7.33	11.56	20.02	34.83	—	4.73	5.52
11	1.00	44	4.411	44	4.411	1750	11.35	17.91	31.03	54.00	1160	7.96	12.56	21.76	37.86	—	—	4.89
12	1.00	48	4.812	48	4.812	1750	12.21	19.27	33.40	58.13	1160	8.59	13.55	23.48	40.85	—	—	—
13	1.00	56	5.614	56	5.614	1750	13.88	21.91	37.98	66.11	1160	9.81	15.49	26.83	46.68	—	—	—
14	1.00	64	6.416	64	6.416	1750	15.46	24.42	42.35	73.72	1160	11.00	17.36	30.08	52.35	—	—	—
15	1.00	72	7.218	72	7.218	1750	16.96	26.81	46.50	80.96	1160	12.15	19.18	33.24	57.85	—	—	—
16	1.00	80	8.020	80	8.020	1750	18.37	29.05	50.42	87.82	1160	13.27	20.95	36.31	63.19	—	—	—
17	1.05	38	3.810	40	4.010	1666	9.68	15.28	26.47	46.06	1104	6.78	10.69	18.51	32.21	—	4.88	5.67
18	1.06	32	3.208	34	3.409	1650	6.67	10.53	18.24	—	1094	4.66	7.35	12.73	—	4.25	5.83	6.62
19	1.06	34	3.409	36	3.609	1650	7.62	12.02	20.83	36.24	1094	5.32	8.40	14.55	25.31	3.94	5.51	6.30
20	1.06	36	3.609	38	3.810	1650	8.62	13.61	23.57	41.02	1094	6.03	9.51	16.48	28.66	—	5.20	5.99
21	1.07	28	2.807	30	3.008	1635	4.95 •	7.81 •	13.53 •	—	1084	3.45	5.44	9.43	—	4.88	6.46	7.25
22	1.07	30	3.008	32	3.208	1635	5.78 •	9.12 •	15.80 •	—	1084	4.04	6.36	11.02	—	4.57	6.14	6.93
23	1.08	24	2.406	26	2.607	1620	4.14 •	6.53 •	—	—	1074	2.76 •	4.35 •	—	—	5.51	7.09	7.88
24	1.08	26	2.607	28	2.807	1620	4.48 •	7.07 •	—	—	1074	2.98 •	4.71 •	—	—	5.20	6.77	7.56
25	1.09	22	2.206	24	2.406	1605	3.80 •	6.00 •	—	—	1064	2.53 •	3.99 •	—	—	5.83	7.40	8.19
26	1.09	44	4.411	48	4.812	1605	11.35	17.91	31.03	54.00	1064	7.96	12.56	21.76	37.86	—	—	—
27	1.10	40	4.010	44	4.411	1590	10.46	16.51	28.61	49.78	1054	7.33	11.56	20.02	34.83	—	—	5.20
28	1.11	36	3.609	40	4.010	1576	8.62	13.61	23.57	41.02	1045	6.03	9.51	16.48	28.66	—	5.04	5.83
29	1.11	72	7.218	80	8.020	1576	16.96	26.81	46.50	80.96	1045	12.15	19.18	33.24	57.85	—	—	—
30	1.12	32	3.208	36	3.609	1562	6.67	10.53	18.24	—	1035	4.66	7.35	12.73	—	4.09	5.67	6.46
31	1.12	34	3.409	38	3.810	1562	7.62	12.02	20.83	36.24	1035	5.32	8.40	14.55	25.31	—	5.35	6.14
32	1.12	64	6.416	72	7.218	1562	15.46	24.42	42.35	73.72	1035	11.00	17.36	30.08	52.35	—	—	—
33	1.12	80	8.020	90	9.023	1562	18.37	29.05	50.42	87.82	1035	13.27	20.95	36.31	63.19	—	—	—
34	1.13	30	3.008	34	3.409	1548	5.78 •	9.12 •	15.80 •	—	1026	4.04	6.36	11.02	—	4.41	5.98	6.77
35	1.14	28	2.807	32	3.208	1535	4.95 •	7.81 •	13.53 •	—	1017	3.45	5.44	9.43	—	4.72	6.30	7.09
36	1.14	56	5.614	64	6.416	1535	13.88	21.91	37.98	66.11	1017	9.81	15.49	26.83	46.68	—	—	—
37	1.15	26	2.607	30	3.008	1521	4.48 •	7.07 •	—	—	1008	2.98 •	4.71 •	—	—	5.04	6.61	7.40
38	1.16	38	3.810	44	4.411	1508	9.68	15.28	26.47	46.06	1000	6.78	10.69	18.51	32.21	—	4.56	5.35
39	1.17	24	2.406	28	2.807	1495	4.14 •	6.53 •	—	—	991	2.76 •	4.35 •	—	—	5.35	6.93	7.72
40	1.17	48	4.812	56	5.614	1495	12.21	19.27	33.40	58.13	991	8.59	13.55	23.48	40.85	—	—	—
41	1.18	22	2.206	26	2.607	1483	3.80 •	6.00 •	—	—	983	2.53 •	3.99 •	—	—	5.67	7.24	8.03
42	1.18	34	3.409	40	4.010	1483	7.62	12.02	20.83	36.24	983	5.32	8.40	14.55	25.31	—	5.19	5.98
43	1.19	32	3.208	38	3.810	1470	6.67	10.53	18.24	—	974	4.66	7.35	12.73	—	3.93	5.51	6.30
44	1.20	30	3.008	36	3.609	1458	5.78 •	9.12 •	15.80 •	—	966	4.04	6.36	11.02	—	4.24	5.82	6.61
45	1.20	40	4.010	48	4.812	1458	10.46	16.51	28.61	49.78	966	7.33	11.56	20.02	34.83	—	—	4.87
46	1.21	28	2.807	34	3.409	1446	4.95 •	7.81 •	13.53 •	—	958	3.45	5.44	9.43	—	4.56	6.14	6.93
47	1.22	36	3.609	44	4.411	1434	8.62	13.61	23.57	41.02	950	6.03	9.51	16.48	28.66	—	4.71	5.50
48	1.23	26	2.607	32	3.208	1422	4.48 •	7.07 •	—	—	943	2.98 •	4.71 •	—	—	4.88	6.45	7.24
49	1.25	24	2.406	30	3.008	1400	4.14 •	6.53 •	—	—	928	2.76 •	4.35 •	—	—	5.19	6.77	7.56
50	1.25	32	3.208	40	4.010	1400	6.67	10.53	18.24	—	928	4.66	7.35	12.73	—	—	5.34	6.13
51	1.25	64	6.416	80	8.020	1400	15.46	24.42	42.35	73.72	928	11.00	17.36	30.08	52.35	—	—	—
52	1.25	72	7.218	90	9.023	1400	16.96	26.81	46.50	80.96	928	12.15	19.18	33.24	57.85	—	—	—
53	1.26	38	3.810	48	4.812	1388	9.68	15.28	26.47	46.06	920	6.78	10.69	18.51	32.21	—	—	5.02
54	1.27	22	2.206	28	2.807	1377	3.80 •	6.00 •	—	—	913	2.53 •	3.99 •	—	—	5.51	7.08	7.87
55	1.27	30	3.008	38	3.810	1377	5.78 •	9.12 •	15.80 •	—	913	4.04	6.36	11.02	—	4.08	5.66	6.45
56	1.27	44	4.411	56	5.614	1377	11.35	17.91	31.03	54.00	913	7.96	12.56	21.76	37.86	—	—	—
57	1.29	28	2.807	36	3.609	1356	4.95 •	7.81 •	13.53 •	—	899	3.45	5.44	9.43	—	4.39	5.97	6.76
58	1.29	34	3.409	44	4.411	1356	7.62	12.02	20.83	36.24	899	5.32	8.40	14.55	25.31	—	4.86	5.65
59	1.29	56	5.614	72	7.218	1356	13.88	21.91	37.98	66.11	899	9.81	15.49	26.83	46.68	—	—	—
60	1.31	26	2.607	34	3.409	1335	4.48 •	7.07 •	—	—	885	2.98 •	4.71 •	—	—	4.71	6.29	7.08
61	1.33	24	2.406	32	3.208	1315	4.14 •	6.53 •	—	—	872	2.76 •	4.35 •	—	—	5.03	6.60	7.39
62	1.33	30	3.008	40	4.010	1315	5.78 •	9.12 •	15.80 •	—	872	4.04	6.36	11.02	—	3.91	5.49	6.28
63	1.33	36	3.609	48	4.812	1315	8.62	13.61	23.57	41.02	872	6.03	9.51	16.48	28.66	—	—	5.17
64	1.33	48	4.812	64	6.416	1315	12.21	19.27	33.40	58.13	872	8.59	13.55	23.48	40.85	—	—	—
65	1.36	22	2.206	30	3.008	1286	3.80 •	6.00 •	—	—	852	2.53 •	3.99 •	—	—	5.34	6.92	7.71
66	1.36	28	2.807	38	3.810	1286	4.95 •	7.81 •	13.53 •	—	852	3.45	5.44	9.43	—	4.23	5.81	6.60
67	1.37	32	3.208	44	4.411	1277	6.67	10.53	18.24	—	846	4.66	7.35	12.73	—	—	5.01	5.80
68	1.38	26	2.607	36	3.609	1268	4.48 •	7.07 •	—	—	840	2.98 •	4.71 •	—	—	4.54	6.12	6.91
69	1.40	40	4.010	56	5.614	1250	10.46	16.51	28.61	49.78	828	7.33	11.56	20.02	34.83	—	—	—
70	1.40	80	8.020	112	11.228	1250	18.37▲	29.05	50.42	87.82	828	13.27▲	20.95	36.31	63.19	—	—	—

• Use this Sprocket at this Speed only if a reduction in belt life is acceptable.
▲ Driven sprocket is not available for belt width indicated; use next wider sprocket.

Nominal Center Distances in Inches for Various Belt Lengths																					Line No.
640	720	800	880	960	1040	1120	1200	1280	1440	1600	1760	1800	2000	2400	2600	2800	3048	3280	3600	4400	
.90				1.00				1.10				1.20									
9.14	10.71	12.29	13.86	15.44	17.01	18.58	20.16	21.73	24.88	28.03	31.18	31.97	35.91	43.78	47.72	51.66	56.54	61.10	67.40	83.15	1
8.82	10.40	11.97	13.55	15.12	16.70	18.27	19.84	21.42	24.57	27.72	30.87	31.66	35.59	43.47	47.40	51.34	56.22	60.79	67.09	82.84	2
8.51	10.08	11.66	13.23	14.81	16.38	17.96	19.53	21.10	24.25	27.40	30.55	31.34	35.28	43.15	47.09	51.03	55.91	60.48	66.77	82.52	3
8.19	9.77	11.34	12.92	14.49	16.07	17.64	19.22	20.79	23.94	27.09	30.24	31.03	34.96	42.84	46.77	50.71	55.59	60.16	66.46	82.21	4
7.88	9.45	11.03	12.60	14.18	15.75	17.33	18.90	20.48	23.62	26.77	29.92	30.71	34.65	42.52	46.46	50.40	55.28	59.85	66.15	81.89	5
7.56	9.14	10.71	12.29	13.86	15.44	17.01	18.59	20.16	23.31	26.46	29.61	30.40	34.33	42.21	46.15	50.08	54.96	59.53	65.83	81.58	6
7.25	8.82	10.40	11.97	13.55	15.12	16.70	18.27	19.85	23.00	26.15	29.29	30.08	34.02	41.89	45.83	49.77	54.65	59.22	65.52	81.26	7
6.93	8.51	10.08	11.66	13.23	14.81	16.38	17.96	19.53	22.68	25.83	28.98	29.77	33.70	41.58	45.52	49.45	54.33	58.90	65.20	80.95	8
6.62	8.19	9.77	11.34	12.92	14.49	16.07	17.64	19.22	22.37	25.52	28.67	29.45	33.39	41.26	45.20	49.14	54.02	58.59	64.89	80.63	9
6.30	7.88	9.45	11.03	12.60	14.18	15.75	17.33	18.90	22.05	25.20	28.35	29.14	33.07	40.95	44.89	48.82	53.70	58.27	64.57	80.32	10
5.67	7.25	8.82	10.40	11.97	13.55	15.12	16.70	18.27	21.42	24.57	27.72	28.51	32.45	40.32	44.26	48.19	53.08	57.64	63.94	79.69	11
—	6.62	8.19	9.77	11.34	12.92	14.49	16.07	17.64	20.79	23.94	27.09	27.88	31.82	39.69	43.63	47.56	52.45	57.01	63.31	79.06	12
—	—	6.93	8.51	10.08	11.66	13.23	14.81	16.38	19.53	22.68	25.83	26.62	30.56	38.43	42.37	46.30	51.19	55.75	62.05	77.80	13
—	—	—	7.25	8.82	10.40	11.97	13.55	15.12	18.27	21.42	24.57	25.36	29.30	37.17	41,11	45.05	49.93	54.49	60.79	76.54	14
—	—	—	—	7.57	9.14	10.72	12.29	13.86	17.01	20.16	23.31	24.10	28.04	35.91	39.85	43.79	48.67	53.24	59.53	75.28	15
—	—	—	—	—	—	9.46	11.03	12.61	15.76	18.90	20.05	22.84	26.78	34.65	38.59	42.53	47,41	51.98	58.28	74.02	16
6.46	8.03	9.61	11.18	12.76	14.33	15.91	17.48	19.06	22.21	25.36	28.51	29.29	33.23	41.11	45.04	48.98	53.86	58.43	64.73	80.48	17
7.40	8.98	10.55	12.13	13.70	15.28	16.85	18.43	20.00	23.15	26.30	29.45	30.24	34.18	42.05	45.99	49.92	54.81	59.37	65.67	81.42	18
7.09	8.66	10.24	11.81	13.39	14.96	16.54	18.11	19.69	22.84	25.99	29.14	29.92	33.86	41.74	45.67	49.61	54.49	59.06	65.36	81.11	19
6.77	8.35	9.92	11.50	13.07	14.65	16.22	17.80	19.37	22.52	25.67	28.82	29.61	33.55	41.42	45.36	49.30	54.18	58.74	65.04	80.79	20
8.03	9.61	11.18	12.76	14.33	15.91	17.48	19.06	20.63	23.78	26.93	30.08	30.87	34.81	42.68	46.62	50.55	55.44	60.00	66.30	82.05	21
7.72	9.29	10.87	12.44	14.02	15.59	17.17	18.74	20.32	23.47	26.62	29.77	30.55	34.49	42.37	46.30	50.24	55.12	59.69	65.99	81.74	22
8.66	10.24	11.81	13.39	14.96	16.54	18.11	19.69	21.26	24.41	27.56	30.71	31.50	35.44	43.31	47.25	51.18	56.07	60.63	66.93	82.68	23
8.35	9.92	11.50	13.07	14.65	16.22	17.80	19.37	20.95	24.10	27.25	30.40	31.18	35.12	42.99	46.93	50.87	55.75	60.32	66.62	82.37	24
8.98	10.55	12.13	13.70	15.28	16.85	18.43	20.00	21.58	24.73	27.88	31.03	31.81	35.75	43.62	47.56	51.50	56.38	60.95	67.25	82.99	25
5.35	6.93	8.51	10.08	11.66	13.23	14.81	16.38	17.96	21.11	24.26	27.41	28.19	32.13	40.00	43.94	47.86	52.76	57.33	63.63	79.37	26
5.98	7.56	9.14	10.71	12.29	13.86	15.44	17.01	18.59	21.74	24.89	28.03	28.82	32.76	40.63	44.57	48.51	53.39	57.96	64.26	80.00	27
6.61	8.19	9.77	11.34	12.92	14.49	16.07	17.64	19.22	22.36	25.51	28.66	29.45	33.39	41.26	45.20	49.14	54.02	58.59	64.89	80.63	28
—	—	—	—	—	8.50	10.08	11.65	13.23	16.38	19.53	22.68	23.47	27.41	35.28	39.22	43.15	48.04	52.60	58.90	74.65	29
7.24	8.82	10.39	11.97	13.54	15.12	16.69	18.27	19.84	22.99	26.14	29.29	30.08	34.02	41.89	45.83	49.77	54.65	59.22	65.52	81.26	30
6.93	8.50	10.08	11.66	13.23	14.81	16.38	17.96	19.53	22.68	25.83	28.98	29.77	33.70	41.58	45.52	49.45	54.33	58.90	65.20	80.95	31
—	—	—	—	8.19	9.76	11.34	12.91	14.49	17.64	20.79	23.94	24.73	28.66	36.54	40.48	44.41	49.30	53.86	60.16	75.91	32
—	—	—	—	—	—	—	10.23	11.81	14.96	18.11	21.26	22.05	25.99	33.86	37.80	41.74	46.62	51.19	57.49	73.23	33
7.56	9.13	10.71	12.28	13.86	15.43	17.01	18.58	20.16	23.31	26.46	29.61	30.40	34.33	42.21	46.14	50.08	54.96	59.53	65.83	81.58	34
7.87	9.45	11.02	12.60	14.17	15.75	17.32	18.90	20.47	23.62	26.77	29.92	30.71	34.65	42.52	46.46	50.40	55.28	59.85	66.14	81.89	35
—	—	—	7.87	9.45	11.02	12.60	14.17	15.75	18.90	22.05	25.20	25.99	29.92	37.80	41.74	45.67	50.56	55.12	61.42	77.17	36
8.19	9.76	11.34	12.91	14.49	16.06	17.64	19.21	20.79	23.94	27.09	30.24	31.03	34.96	42.84	46.77	50.71	55.59	60.16	66.46	82.21	37
6.14	7.71	9.29	10.87	12.44	14.02	15.59	17.17	18.74	21.89	25.04	28.19	28.98	32.92	40.79	44.73	48.66	53.55	58.11	64.41	80.16	38
8.50	10.08	11.65	13.23	14.80	16.38	17.95	19.53	21.10	24.25	27.40	30.55	31.34	35.28	43.15	47.09	51.03	55.91	60.48	66.77	82.52	39
—	5.98	7.55	9.13	10.71	12.28	13.86	15.43	17.01	20.16	23.31	26.46	27.25	31.18	39.06	43.00	46.93	51.81	56.38	62.68	78.43	40
8.82	10.39	11.97	13.54	15.12	16.69	18.27	19.84	21.42	24.57	27.72	30.87	31.66	35.59	43.47	47.40	51.34	56.22	60.79	67.09	82.84	41
6.77	8.34	9.92	11.50	13.07	14.65	16.22	17.80	19.37	22.52	25.67	28.82	29.61	33.55	41.42	45.36	49.29	54.18	58.74	65.04	80.79	42
7.08	8.66	10.24	11.81	13.39	14.96	16.54	18.11	19.69	22.84	25.99	29.14	29.92	33.86	41.73	45.67	49.61	54.49	59.06	65.36	81.11	43
7.40	8.97	10.55	12.13	13.70	15.28	16.85	18.43	20.00	23.15	26.30	29.45	30.24	34.18	42.05	45.99	49.92	54.81	59.37	65.67	81.42	44
5.66	7.24	8.81	10.39	11.97	13.54	15.12	16.69	18.27	21.42	24.57	27.72	28.51	32.44	40.32	44.25	48.19	53.07	57.64	63.94	79.69	45
7.71	9.29	10.86	12.44	14.02	15.59	17.17	18.74	20.32	23.47	26.62	29.77	30.55	34.49	42.36	46.30	50.24	55.12	59.69	65.99	81.74	46
6.29	7.87	9.44	11.02	12.60	14.17	15.75	17.32	18.90	22.05	25.20	28.35	29.13	33.07	40.95	44.88	48.82	53.70	58.27	64.57	80.32	47
8.03	9.60	11.18	12.76	14.33	15.91	17.48	19.06	20.63	23.78	26.93	30.08	30.87	34.80	42.68	46.62	50.55	55.44	60.00	66.30	82.05	48
8.34	9.92	11.49	13.07	14.65	16.22	17.80	19.37	20.95	24.10	27.25	30.39	31.18	35.12	42.99	46.93	50.87	55.75	60.32	66.62	82.36	49
6.92	8.50	10.07	11.65	13.23	14.80	16.38	17.95	19.53	22.68	25.83	28.98	29.76	33.70	41.58	45.51	49.45	54.33	58.90	65.20	80.95	50
—	—	—	—	—	9.11	10.69	12.26	13.84	17.00	20.15	23.30	24.09	28.03	35.90	39.84	43.78	48.66	53.23	59.53	75.28	51
—	—	—	—	—	—	9.25	10.84	12.42	15.57	18.73	21.88	22.67	26.61	34.48	38.42	42.36	47.24	51.81	58.11	73.86	52
5.81	7.39	8.97	10.54	12.12	13.70	15.27	16.85	18.42	21.57	24.72	27.87	28.66	32.60	40.47	44.41	48.35	53.23	57.80	64.10	79.85	53
8.66	10.23	11.81	13.38	14.96	16.54	18.11	19.69	21.26	24.41	27.56	30.71	31.50	35.43	43.31	47.25	51.18	56.06	60.63	66.93	82.68	54
7.24	8.81	10.39	11.96	13.54	15.12	16.69	18.27	19.84	22.99	26.14	29.29	30.08	34.02	41.89	45.83	49.77	54.65	59.21	65.51	81.26	55
—	6.27	7.86	9.43	11.01	12.59	14.17	15.74	17.32	20.47	23.62	26.77	27.56	31.50	39.37	43.31	47.25	52.13	56.69	62.99	78.74	56
7.55	9.13	10.70	12.28	13.86	15.43	17.01	18.58	20.16	23.31	26.46	29.61	30.39	34.33	42.21	46.14	50.08	54.96	59.53	65.83	81.58	57
6.44	8.02	9.60	11.17	12.75	14.33	15.90	17.48	19.05	22.20	25.35	28.50	29.29	33.23	41.10	45.04	48.98	53.86	58.43	64.73	80.48	58
—	—	—	7.21	8.79	10.37	11.95	13.53	15.10	18.26	21.41	24.56	25.35	29.29	37.16	41.10	45.04	49.92	54.49	60.79	76.54	59
7.87	9.44	11.02	12.59	14.17	15.75	17.32	18.90	20.47	23.62	26.77	29.92	30.71	34.65	42.52	46.46	50.40	55.28	59.84	66.14	81.89	60
8.18	9.76	11.33	12.91	14.49	16.06	17.64	19.21	20.79	23.94	27.09	30.24	31.02	34.96	42.84	46.77	50.71	55.59	60.16	66.46	82.21	61
7.07	8.65	10.23	11.80	13.38	14.96	16.53	18.11	19.68	22.83	25.98	29.13	29.92	33.86	41.73	45.67	49.61	54.49	59.06	65.36	81.10	62
5.96	7.54	9.12	10.70	12.27	13.85	15.43	17.00	18.58	21.73	24.88	28.03	28.82	32.75	40.63	44.57	48.50	53.39	57.95	64.25	80.00	63
—	—	6.89	8.47	10.05	11.63	13.21	14.79	16.36	19.52	22.67	25.82	26.61	30.55	38.42	42.36	46.30	51.18	55.75	62.05	77.80	64
8.50	10.07	11.65	13.22	14.80	16.38	17.95	19.53	21.10	24.25	27.40	30.55	31.34	35.28	43.15	47.09	51.02	55.91	60.47	66.77	82.52	65
7.39	8.97	10.54	12.12	13.69	15.27	16.85	18.42	20.00	23.15	26.30	29.45	30.24	34.17	42.05	45.98	49.92	54.80	59.37	65.67	81.42	66
6.59	8.17	9.75	11.33	12.90	14.48	16.06	17.63	19.21	22.36	25.51	28.66	29.45	33.38	41.26	45.20	49.13	54.02	58.58	64.88	80.63	67
7.70	9.28	10.86	12.43	14.01	15.59	17.16	18.74	20.31	23.46	26.61	29.76	30.55	34.49	42.36	46.30	50.24	55.12	59.69	65.99	81.73	68
—	6.57	8.15	9.74	11.31	12.89	14.47	16.05	17.62	20.78	23.93	27.08	27.87	31.81	39.68	43.62	47.56	52.44	57.01	63.31	79.06	69
—	—	—	—	—	—	—	—	9.96	13.14	16.31	19.47	20.26	24.21	32.09	36.04	39.98	44.86	49.43	55.73	71.49	70

Table No. 1

Line No.	Ratio	Sprocket Combination				Driven Speed and Horsepower												
		Driver		Driven		HP per Belt Width					HP per Belt Width							
							1750 RPM Driver					1160 RPM Driver						
		No. Teeth	Pitch Dia.	No. Teeth	Pitch Dia.	Driven RPM	20	30	50	85	Driven RPM	20	30	50	85	480	560	600
																Multiply HP Ratings by BELT LENGTH FACTOR →	.80	
1	1.41	34	3.409	48	4.812	1241	7.62	12.02	20.83	36.24	822	5.32	8.40	14.55	25.31	—	4.52	5.31
2	1.41	64	6.416	90	9.023	1241	15.46	24.42	42.35	73.72	822	11.00	17.36	30.08	52.35	—	—	—
3	1.42	24	2.406	34	3.409	1232	4.14 •	6.53 •	—	—	816	2.76 •	4.35 •	—	—	4.86	6.44	7.23
4	1.43	28	2.807	40	4.010	1223	4.95 •	7.81 •	13.53 •	—	811	3.45	5.44	9.43	—	4.05	5.64	6.43
5	1.43	56	5.614	80	8.020	1223	13.88	21.91	37.98	66.11	811	9.81	15.49	26.83	46.68	—	—	—
6	1.45	22	2.206	32	3.208	1206	3.80 •	6.00 •	—	—	800	2.53 •	3.99 •	—	—	5.18	6.76	7.54
7	1.45	44	4.411	64	6.416	1206	11.35	17.91	31.03	54.00	800	7.96	12.56	21.76	37.86	—	—	—
8	1.46	26	2.607	38	3.810	1198	4.48.	7.07 •	—	—	794	2.98 •	4.71 •	—	—	4.37	5.96	6.75
9	1.47	30	3.008	44	4.411	1190	5.78.	9.12 •	15.80 •	—	789	4.04	6.36	11.02	—	—	5.15	5.95
10	1.47	38	3.810	56	5.614	1190	9.68	15.28	26.47	46.06	789	6.78	10.69	18.51	32.21	—	—	—
11	1.50	24	2.406	36	3.609	1166	4.14 •	6.53 •	—	—	773	2.76 •	4.35 •	—	—	4.69	6.27	7.06
12	1.50	32	3.208	48	4.812	1166	6.67	10.53	18.24	—	773	4.66	7.35	12.73	—	—	4.66	5.46
13	1.50	48	4.812	72	7.218	1166	12.21	19.27	33.40	58.13	773	8.59	13.55	23.48	40.85	—	—	—
14	1.54	26	2.607	40	4.010	1136	4.48 •	7.07 •	—	—	753	2.98 •	4.71 •	—	—	4.20	5.79	6.58
15	1.55	22	2.206	34	3.409	1129	3.80 •	6.00 •	—	—	748	2.53 •	3.99 •	—	—	5.01	6.59	7.38
16	1.56	36	3.609	56	5.614	1121	8.62	13.61	23.57	41.02	743	6.03	9.51	16.48	28.66	—	—	—
17	1.56	72	7.218	112	11.229	1121	16.96 ▲	26.81	46.50	80.96	743	12.15 ▲	19.18	33.24	57.85	—	—	—
18	1.57	28	2.807	44	4.411	1114	4.95 •	7.81 •	13.53 •	—	738	3.45	5.44	9.43	—	—	5.30	6.09
19	1.58	24	2.406	38	3.810	1107	4.14 •	6.53 •	—	—	734	2.76 •	4.35 •	—	—	4.52	6.10	6.90
20	1.60	30	3.008	48	4.812	1093	5.78 •	9.12 •	15.80 •	—	725	4.04	6.36	11.02	—	—	4.80	5.60
21	1.60	40	4.010	64	6.416	1093	10.46	16.51	28.61	49.78	725	7.33	11.56	20.02	34.83	—	—	—
22	1.61	56	5.614	90	9.023	1086	13.88	21.91	37.98	66.11	720	9.81	15.49	26.83	46.68	—	—	—
23	1.64	22	2.206	36	3.609	1067	3.80 •	6.00 •	—	—	707	2.53 •	3.99 •	—	—	4.83	6.42	7.21
24	1.64	44	4.411	72	7.218	1067	11.35	17.91	31.03	54.00	707	7.96	12.56	21.76	37.86	—	—	—
25	1.65	34	3.409	56	5.614	1060	7.62	12.02	20.83	36.24	703	5.32	8.40	14.55	25.31	—	—	—
26	1.67	24	2.406	40	4.010	1047	4.14 •	6.53 •	—	—	694	2.76 •	4.35 •	—	—	4.34	5.93	6.73
27	1.67	48	4.812	80	8.020	1047	12.21	19.27	33.40	58.13	694	8.59	13.55	23.48	40.85	—	—	—
28	1.68	38	3.810	64	6.416	1041	9.68	15.28	26.47	46.06	690	6.78	10.69	18.51	32.21	—	—	—
29	1.69	26	2.607	44	4.411	1035	4.48 •	7.07 •	—	—	686	2.98 •	4.71 •	—	—	3.83	5.44	6.24
30	1.71	28	2.807	48	4.812	1023	4.95 •	7.81 •	13.53 •	—	678	3.45	5.44	9.43	—	-	4.94	5.74
31	1.73	22	2.206	38	3.810	1011	3.80 •	6.00 •	—	—	670	2.53 •	3.99 •	—	—	4.66	6.25	7.04
32	1.75	32	3.208	56	5.614	1000	6.67	10.53	18.24	—	662	4.66	7.35	12.73	—	—	—	4.73
33	1.75	64	6.416	112	11.229	1000	15.46 ▲	24.42	42.35	73.72	662	11.00 ▲	17.36	30.08	52.35	—	—	—
34	1.78	36	3.609	64	6.416	983	8.82	13.61	23.57	41.02	651	6.03	9.51	16.48	28.66	—	—	—
35	1.80	40	4.010	72	7.218	972	10.46	16.51	28.61	49.78	644	7.33	11.56	20.02	34.83	—	—	—
36	1.80	80	8.020	144	14.437	972	—	29.05 ▲	50.42	87.82	644	—	20.95 ▲	36.31	63.19	—	—	—
37	1.82	22	2.206	40	4.010	961	3.80 •	6.00 •	—	—	637	2.53 •	3.99 •	—	—	4.48	6.08	6.87
38	1.82	44	4.411	80	8.020	961	11.35	17.91	31.03	54.00	637	7.96	12.56	21.76	37.86	—	—	—
39	1.83	24	2.406	44	4.411	956	4.14 •	6.53 •	—	—	633	2.76 •	4.35 •	—	—	3.97	5.58	6.38
40	1.85	26	2.607	48	4.812	945	4.48 •	7.07 •	—	—	627	2.98 •	4.71 •	—	—	—	5.08	5.88
41	1.87	30	3.008	56	5.614	935	5.78 •	9.12 •	15.80 •	—	620	4.04	6.36	11.02	—	—	—	4.87
42	1.87	48	4.812	90	9.023	935	12.21	19.27	33.40	58.13	620	8.59	13.55	23.48	40.85	—	—	—
43	1.88	34	3.409	64	6.416	930	7.62	12.02	20.83	36.24	617	5.32	8.40	14.55	25.31	—	—	—
44	1.89	38	3.810	72	7.218	925	9.68	15.28	26.47	46.06	613	6.78	10.69	18.51	32.21	—	—	—
45	2.00	22	2.206	44	4.411	875	3.80 •	6.00 •	—	—	580	2.53 •	3.99 •	—	—	4.11	5.72	6.52
46	2.00	24	2.406	48	4.812	875	4.14 •	6.53 •	—	—	580	2.76 •	4.35 •	—	—	—	5.22	6.02
47	2.00	28	2.807	56	5.614	875	4.95 •	7.81 •	13.53 •	—	580	3.45	5.44	9.43	—	—	—	5.00
48	2.00	32	3.208	64	6.416	875	6.67	10.53	18.24	—	580	4.66	7.35	12.73	—	—	—	—
49	2.00	36	3.609	72	7.218	875	8.62	13.61	23.57	41.02	580	6.03	9.51	16.48	28.66	—	—	—
50	2.00	40	4.010	80	8.020	875	10.46	16.51	28.61	49.78	580	7.33	11.56	20.02	34.83	—	—	—
51	2.00	56	5.614	112	11.229	875	13.88 ▲	21.91	37.98	66.11	580	9.81 ▲	15.49	26.83	46.68	—	—	—
52	2.00	72	7.218	144	14.437	875	—	26.81 ▲	46.50	80.96	580	—	19.18 ▲	33.24	57.85	—	—	—
53	2.05	44	4.411	90	9.023	853	11.35	17.91	31.03	54.00	565	7.96	12.56	21.76	37.86	—	—	—
54	2.11	38	3.810	80	8.020	829	9.68	15.28	26.47	46.06	549	6.78	10.69	18.51	32.21	—	—	—
55	2.12	34	3.409	72	7.218	825	7.62	12.02	20.83	36.24	547	5.32	8.40	14.55	25.31	—	—	—
56	2.13	30	3.008	64	6.416	821	5.78 •	9.12 •	15.80 •	—	544	4.04	6.36	11.02	—	—	—	—
57	2.15	26	2.607	56	5.614	813	4.48 •	7.07 •	—	—	539	2.98 •	4.71 •	—	—	—	—	5.14
58	2.18	22	2.206	48	4.812	802	3.80 •	6.00 •	—	—	532	2.53 •	3.99 •	—	—	—	5.36	6.16
59	2.22	36	3.609	80	8.020	788	8.62	13.61	23.57	41.02	522	6.03	9.51	16.48	28.66	—	—	—
60	2.25	32	3.208	72	7.218	777	6.67	10.53	18.24	—	515	4.66	7.35	12.73	—	—	—	—
61	2.25	40	4.010	90	9.023	777	10.46	16.51	28.61	49.78	515	7.33	11.56	20.02	34.83	—	—	—
62	2.25	64	6.416	144	14.437	777	—	24.42 ▲	42.35	73.72	515	—	17.36 ▲	30.08	52.35	—	—	—
63	2.29	28	2.807	64	6.416	764	4.95 •	7.81 •	13.53 •	—	506	3.45	5.44	9.43	—	—	—	—
64	2.33	24	2.406	56	5.614	751	4.14 •	6.53 •	—	—	497	2.76 •	4.35 •	—	—	—	4.44	5.27
65	2.33	48	4.812	112	11.229	751	12.21 ▲	19.27	33.40	58.13	497	8.59 ▲	13.55	23.48	40.85	—	—	—
66	2.35	34	3.409	80	8.020	744	7.62	12.02	20.83	36.24	493	5.32	8.40	14.55	25.31	—	—	—
67	2.37	38	3.810	90	9.023	738	9.68	15.28	26.47	46.06	489	6.78	10.69	18.51	32.21	—	—	—
68	2.40	30	3.008	72	7.218	729	5.78 •	9.12 •	15.80 •	—	483	4.04	6.36	11.02	—	—	—	—
69	2.40	80	8.020	192	19.249	729	—	29.05 ▲	50.42	87.82	483	—	20.95 ▲	36.31	63.19	—	—	—
70	2.46	26	2.607	64	6.416	711	4.48 •	7.07 •	—	—	471	2.98 •	4.71 •	—	—	—	—	—

• Use this Sprocket at this Speed only if a reduction in belt life is acceptable.
▲ Driven sprocket is not available for belt width indicated; use next wider sprocket.

Nominal Center Distances in Inches for Various Belt Lengths																					Line No
640	720	800	880	960	1040	1120	1200	1280	1440	1600	1760	1800	2000	2400	2600	2800	3048	3280	3600	4400	
.90				1.00				1.10				1.20									
6.11	7.69	9.27	10.85	12.42	14.00	15.58	17.15	18.73	21.88	25.03	28.18	28.97	32.91	40.79	44.72	48.66	53.54	58.11	64.41	80.16	1
—	—	—	—	—	8.25	9.84	11.43	13.01	16.18	19.33	22.49	23.28	27.22	35.10	39.04	42.98	47.86	52.43	58.73	74.48	2
8.02	9.60	11.17	12.75	14.32	15.90	17.48	19.05	20.63	23.78	26.93	30.08	30.86	34.80	42.68	46.61	50.55	55.43	60.00	66.30	82.05	3
7.22	8.80	10.38	11.96	13.53	15.11	16.69	18.26	19.84	22.99	26.14	29.29	30.08	34.01	41.89	45.83	49.76	54.65	59.21	65.51	81.26	4
—	—	—	—	8.11	9.70	11.28	12.86	14.44	17.60	20.76	23.91	24.70	28.64	36.52	40.46	44.40	49.28	53.65	60.15	75.90	5
8.33	9.91	11.49	13.06	14.64	16.22	17.79	19.37	20.94	24.09	27.24	30.39	31.18	35.12	42.99	46.93	50.87	55.75	60.32	66.62	82.36	6
—	—	7.18	8.77	10.35	11.93	13.51	15.09	16.67	19.82	22.98	26.13	26.92	30.85	38.73	42.67	46.61	51.49	56.06	62.36	78.11	7
7.54	9.12	10.69	12.27	13.85	15.42	17.00	18.58	20.15	23.30	26.45	29.60	30.39	34.33	42.20	46.14	50.08	54.96	59.53	65.83	81.58	8
6.74	8.32	9.90	11.48	13.06	14.63	16.21	17.78	19.36	22.51	25.66	28.81	29.60	33.54	41.42	45.35	49.29	54.17	58.74	65.04	80.79	9
5.12	6.72	8.30	9.88	11.46	13.04	14.62	16.20	17.78	20.93	24.08	27.23	28.02	31.96	39.84	43.77	47.71	52.60	57.16	63.46	79.21	10
7.85	9.43	11.01	12.59	14.16	15.74	17.32	18.89	20.47	23.62	26.77	29.92	30.71	34.64	42.52	46.46	50.39	55.28	59.84	66.14	81.89	11
6.25	7.84	9.42	11.00	12.58	14.15	15.73	17.31	18.88	22.04	25.19	28.34	29.13	33.07	40.94	44.88	48.82	53.70	58.27	64.57	80.32	12
—	—	—	7.79	9.38	10.96	12.55	14.13	15.71	18.86	22.02	25.17	25.96	29.90	37.78	41.72	45.66	50.54	55.11	61.41	77.16	13
7.37	8.95	10.53	12.11	13.69	15.26	16.84	18.41	19.99	23.14	26.29	29.44	30.23	34.17	42.04	45.98	49.92	54.80	59.37	65.67	81.42	14
8.17	9.75	11.33	12.90	14.48	16.05	17.63	19.21	20.78	23.93	27.08	30.23	31.02	34.96	42.83	46.77	50.71	55.59	60.16	66.46	82.21	15
5.26	6.86	8.45	10.03	11.61	13.19	14.77	16.35	17.93	21.08	24.24	27.39	28.18	32.11	39.99	43.93	47.87	52.75	57.32	63.62	79.37	16
—	—	—	—	—	—	—	—	10.53	13.72	16.90	20.07	20.86	24.81	32.70	36.65	40.59	45.48	50.05	56.35	72.11	17
6.89	8.47	10.05	11.63	13.21	14.78	16.36	17.94	19.51	22.67	25.82	28.97	29.76	33.69	41.57	45.51	49.45	54.33	58.90	65.20	80.94	18
7.69	9.27	10.85	12.42	14.00	15.58	17.15	18.73	20.31	23.46	26.61	29.76	30.55	34.48	42.36	46.30	50.23	55.12	59.68	65.98	81.73	19
6.40	7.98	9.57	11.15	12.73	14.31	15.88	17.46	19.04	22.19	25.34	28.49	29.28	33.22	41.10	45.03	48.97	53.85	58.42	64.72	80.47	20
—	5.87	7.47	9.06	10.65	12.23	13.81	15.39	16.97	20.13	23.28	26.43	27.22	31.16	39.04	42.98	46.92	51.80	56.37	62.67	78.42	21
—	—	—	—	—	8.82	10.42	12.01	13.60	16.77	19.93	23.09	23.88	27.83	35.71	39.66	43.60	48.48	53.05	59.35	75.11	22
8.00	9.58	11.16	12.74	14.32	15.89	17.47	19.04	20.62	23.77	26.92	30.07	30.86	34.80	42.67	46.61	50.55	55.43	60.00	66.30	82.05	23
—		6.47	8.07	9.67	11.26	12.84	14.43	16.01	19.17	22.32	25.48	26.27	30.21	38.09	42.03	45.97	50.85	55.42	61.72	77.47	24
5.40	7.00	8.59	10.18	11.76	13.34	14.92	16.50	18.08	21.24	24.39	27.54	28.33	32.27	40.15	44.09	48.02	52.91	57.47	63.77	79.52	25
7.52	9.10	10.68	12.26	13.84	15.42	16.99	18.57	20.14	23.30	26.45	29.60	30.39	34.32	42.20	46.14	50.08	54.96	59.53	65.83	81.57	26
—	—	—	7.07	8.68	10.27	11.87	13.45	15.04	18.20	21.36	24.52	25.31	29.25	37.14	41.08	45.02	49.90	54.47	60.77	76.53	27
—	6.01	7.61	9.20	10.79	12.38	13.96	15.54	17.12	20.28	23.43	26.59	27.38	31.32	39.20	43.13	47.07	51.96	56.53	62.83	78.58	28
7.03	8.62	10.20	11.78	13.36	14.94	16.51	18.09	19.67	22.82	25.97	29.12	29.91	33.85	41.73	45.66	49.60	54.48	59.05	65.35	81.10	29
6.54	8.13	9.72	11.30	12.88	14.46	16.04	17.61	19.19	22.34	25.50	28.65	29.44	33.37	41.25	45.19	49.13	54.01	58.58	64.88	80.63	30
7.84	9.42	11.00	12.58	14.15	15.73	17.31	18.88	20.46	23.61	26.76	29.91	30.70	34.64	42.52	46.45	50.39	55.27	59.84	66.14	81.89	31
5.54	7.15	8.74	10.33	11.91	13.49	15.07	16.65	18.23	21.39	24.54	27.69	28.48	32.42	40.30	44.24	48.18	53.06	57.63	63.93	79.68	32
—	—	—	—	—	—	—	9.47	11.09	14.29	17.48	20.66	21.45	25.41	33.31	37.25	41.20	46.09	50.66	56.97	72.72	33
—	6.14	7.75	9.35	10.94	12.52	14.11	15.69	17.27	20.43	23.58	26.74	27.53	31.47	39.35	43.29	47.23	52.11	56.68	62.98	78.73	34
—	—	6.74	8.36	9.95	11.55	13.14	14.72	16.30	19.47	22.63	25.78	26.57	30.51	38.40	42.34	46.28	51.16	55.73	62.03	77.78	35
—	—	—	—	—	—	—	—	—	—	13.49	16.71	17.51	21.50	29.44	33.40	37.35	42.25	46.83	53.14	68.91	36
7.67	9.25	10.83	12.41	13.99	15.57	17.14	18.72	20.30	23.45	26.60	29.75	30.54	34.48	42.36	46.29	50.23	55.11	59.68	65.98	81.73	37
—	—	—	7.34	8.96	10.56	12.16	13.75	15.33	18.50	21.66	24.82	25.61	29.56	37.44	41.38	45.32	50.21	54.78	61.08	76.84	38
7.18	8.76	10.35	11.93	13.51	15.09	16.67	18.24	19.82	22.97	26.13	29.28	30.07	34.00	41.88	45.82	49.76	54.64	59.21	65.51	81.26	39
6.68	8.28	9.86	11.45	13.03	14.61	16.19	17.76	19.34	22.50	25.65	28.80	29.59	33.53	41.41	45.34	49.28	54.17	58.73	65.03	80.78	40
5.68	7.29	8.88	10.47	12.06	13.64	15.22	16.80	18.38	21.54	24.69	27.85	28.64	32.58	40.46	44.39	48.33	53.22	57.78	64.09	79.84	41
—	—	—	—	7.75	9.38	10.99	12.59	14.18	17.36	20.53	23.69	24.48	28.43	36.32	40.27	44.21	49.10	53.67	59.97	75.73	42
—	6.28	7.89	9.49	11.08	12.67	14.26	15.84	17.42	20.58	23.74	26.89	27.68	31.62	39.50	43.44	47.38	52.27	56.84	63.14	78.89	43
—	—	6.88	8.50	10.10	11.69	13.28	14.87	16.45	19.62	22.78	25.93	26.72	30.67	38.55	42.49	46.43	51.32	55.88	62.19	77.94	44
7.32	8.91	10.50	12.08	13.66	15.24	16.82	18.40	19.97	23.13	26.28	29.43	30.22	34.16	42.04	45.97	49.91	54.80	59.36	65.66	81.41	45
6.83	8.42	10.01	11.59	13.18	14.76	16.34	17.92	19.49	22.65	25.80	28.95	29.74	33.68	41.56	45.50	49.44	54.32	58.89	65.19	80.94	46
5.82	7.43	9.03	10.62	12.21	13.79	15.37	16.95	18.53	21.69	24.85	28.00	28.79	32.73	40.61	44.55	48.49	53.37	57.94	64.24	79.99	47
—	6.42	8.03	9.63	11.23	12.82	14.40	15.99	17.57	20.73	23.89	27.04	27.83	31.78	39.66	43.60	47.54	52.42	56.99	63.29	79.04	48
—	—	7.02	8.64	10.24	11.84	13.43	15.01	16.60	19.77	22.93	26.08	26.87	30.82	38.70	42.64	46.58	51.47	56.04	62.34	78.09	49
—	—	—	7.62	9.24	10.84	12.44	14.04	15.62	18.80	21.96	25.12	25.91	29.86	37.75	41.69	45.63	50.52	55.09	61.39	77.15	50
—	—	—	—	—	—	—	10.01	1164	14.86	18.06	21.24	22.03	26.00	33.91	37.86	41.80	46.70	51.27	57.58	73.34	51
—	—	—	—	—	—	—	—	—	—	14.03	17.27	18.07	22.08	30.03	33.99	37.95	42.85	47.43	53.75	69.52	52
—	—	—	—	8.02	9.65	11.27	12.87	14.47	17.65	20.82	23.99	24.78	28.73	36.63	40.57	44.51	49.40	53.97	60.28	76.03	53
—	—	—	7.75	9.38	10.98	12.59	14.18	15.77	18.94	22.11	25.27	26.06	30.01	37.90	41.84	45.78	50.67	55.24	61.54	77.30	54
—	—	7.15	8.77	10.38	11.98	13.57	15.16	16.75	19.91	23.08	26.24	27.02	30.97	38.86	42.80	46.74	51.62	56.19	62.50	78.25	55
—	6.55	8.17	9.78	11.37	12.96	14.55	16.13	17.72	20.88	24.04	27.20	27.98	31.93	39.81	43.75	47.69	52.58	57.14	63.45	79.20	56
5.96	7.57	9.17	10.76	12.35	13.94	15.52	17.10	18.68	21.84	25.00	28.15	28.94	32.88	40.76	44.70	48.64	53.53	58.09	64.40	80.15	57
6.97	8.57	10.16	11.74	13.33	14.91	16.49	18.07	19.65	22.80	25.95	29.11	29.90	33.84	41.72	45.65	49.59	54.48	59.04	65.35	81.10	58
—	—	6.23	7.89	9.51	11.13	12.73	14.32	15.92	19.09	22.26	25.42	26.21	30.16	38.05	41.99	45.94	50.82	55.39	61.70	77.45	59
—	5.63	7.29	8.91	10.52	12.12	13.72	15.31	16.89	20.06	23.23	26.39	27.18	31.12	39.01	42.95	46.89	51.78	56.35	62.65	78.40	60
—	—	—	—	8.29	9.93	11.55	13.15	14.75	17.94	21.12	24.29	25.08	29.03	36.93	40.87	44.82	49.71	54.28	60.58	76.34	61
—	—	—	—	—	—	—	—	—	11.27	14.58	17.83	18.63	22.65	30.61	34.58	38.54	43.45	48.03	54.35	70.13	62
5.04	6.69	8.31	9.92	11.52	13.11	14.70	16.28	17.87	21.03	24.19	27.35	28.14	32.08	39.96	43.90	47.84	52.73	57.30	63.60	79.35	63
6.09	7.71	9.31	10.91	12.50	14.09	15.67	17.25	18.83	21.99	25.15	28.30	29.09	33.04	40.92	44.86	48.80	53.68	58.25	64.55	80.30	64
—	—	—	—	—	—	8.88	10.54	12.18	15.42	18.83	21.82	22.61	26.59	34.50	38.46	42.41	47.30	51.88	58.19	73.95	65
—	—	6.36	8.02	9.65	11.27	12.87	14.47	16.06	19.24	22.41	25.57	26.36	30.31	38.20	42.15	46.09	50.98	55.55	61.85	77.61	66
—	—	—	6.75	8.42	10.06	11.68	13.29	14.90	18.09	21.26	24.43	25.23	29.18	37.08	41.03	44.97	49.86	54.43	60.74	76.50	67
—	5.76	7.42	9.05	10.66	12.26	13.86	15.45	17.04	20.21	23.37	26.54	27.33	31.27	39.16	43.10	47.04	51.93	56.50	62.80	78.56	68
—	—	—	—	—	—	—	—	—	—	—	—	—	17.04	25.21	29.24	33.24	38.18	42.79	49.14	64.97	69
5.17	6.83	8.45	10.06	11.66	13.25	14.84	16.43	18.01	21.18	24.34	27.50	28.29	32.23	40.12	44.06	48.00	52.88	57.45	63.76	79.51	70

Table No. 1

Line No.	Ratio	Sprocket Combination				Driven Speed and Horsepower												
		Driver		Driven		HP per Belt Width					HP per Belt Width							
						Driven RPM	1750 RPM Driver				Driven RPM	1160 RPM Driver						
		No. Teeth	Pitch Dia.	No. Teeth	Pitch Dia.		20	30	50	85		20	30	50	85	480	560	600
																Multiply HP Ratings by BELT LENGTH FACTOR →	.80	
1	2.50	32	3.208	80	8.020	700	6.67	10.53	18.24	—	464	4.66	7.35	12.73	—	—	—	—
2	2.50	36	3.609	90	9.023	700	8.62	13.61	23.57	41.02	464	6.03	9.51	16.48	28.66	—	—	—
3	2.55	22	2.206	56	5.614	686	3.80 •	6.00 •	—	—	454	2.53 •	3.99 •	—	—	—	4.57	5.40
4	2.55	44	4.411	112	11.229	686	11.35 ▲	17.91	31.03	54.00	454	7.96 ▲	12.56	21.76	37.86	—	—	—
5	2.57	28	2.807	72	7.218	680	4.95 •	7.81 •	13.53 •	—	451	3.45	5.44	9.43	—	—	—	—
6	2.57	56	5.614	144	14.437	680	—	21.91 ▲	37.98	66.11	451	—	15.49 ▲	26.83	46.68	—	—	—
7	2.65	34	3.409	90	9.023	660	7.62	12.02	20.83	36.24	437	5.32	8.40	14.55	25.31	—	—	—
8	2.67	24	2.406	64	6.416	655	4.14 •	6.53 •	—	—	434	2.76 •	4.35 •	—	—	—	—	—
9	2.67	30	3.008	80	8.020	655	5.78 •	9.12 •	15.80 •	—	434	4.04	6.36	11.02	—	—	—	—
10	2.67	72	7.218	192	19.249	655	—	26.81 ▲	46.50	80.96	434	—	19.18 ▲	33.24	57.85	—	—	—
11	2.77	26	2.607	72	7.218	631	4.48 •	7.07 •	—	—	418	2.98 •	4.71 •	—	—	—	—	—
12	2.80	40	4.010	112	11.229	625	10.46 ▲	16.51	28.61	49.78	414	7.33 ▲	11.56	20.02	34.83	—	—	—
13	2.81	32	3.208	90	9.023	622	6.67	10.53	18.24	—	412	4.66	7.35	12.73	—	—	—	—
14	2.86	28	2.807	80	8.020	611	4.95 •	7.81 •	13.53 •	—	405	3.45	5.44	9.43	—	—	—	—
15	2.91	22	2.206	64	6.416	601	3.80 •	6.00 •	—	—	398	2.53 •	3.99 •	—	—	—	—	—
16	2.95	38	3.810	112	11.229	593	9.68 ▲	15.28	26.47	46.06	393	6.78 ▲	10.69	18.51	32.21	—	—	—
17	3.00	24	2.406	72	7.218	583	4.14 •	6.53 •	—	—	386	2.76 •	4.35 •	—	—	—	—	—
18	3.00	30	3.008	90	9.023	583	5.78 •	9.12 •	15.80 •	—	386	4.04	6.36	11.02	—	—	—	—
19	3.00	48	4.812	144	14.437	583	—	19.27 ▲	33.40	58.13	386	—	13.55 ▲	23.48	40.85	—	—	—
20	3.00	64	6.416	192	19.249	583	—	24.42 ▲	42.35	73.72	386	—	17.36 ▲	30.08	52.35	—	—	—
21	3.08	26	2.607	80	8.020	568	4.48 •	7.07 •	—	—	376	2.98 •	4.71 •	—	—	—	—	—
22	3.11	36	3.609	112	11.229	562	8.62 ▲	13.61	23.57	41.02	372	6.03 ▲	9.51	16.48	28.66	—	—	—
23	3.21	28	2.807	90	9.023	545	4.95 •	7.81 •	13.53 •	—	361	3.45	5.44	9.43	—	—	—	—
24	3.27	22	2.206	72	7.218	535	3.80 •	6.00 •	—	—	354	2.53 •	3.99 •	—	—	—	—	—
25	3.27	44	4.411	144	14.437	535	—	17.91 ▲	31.03	54.00	354	—	12.56 ▲	21.76	37.86	—	—	—
26	3.29	34	3.409	112	11.229	531	7.62 ▲	12.02	20.83	36.24	352	5.32 ▲	8.40	14.55	25.31	—	—	—
27	3.33	24	2.406	80	8.020	525	4.14 •	6.53 •	—	—	348	2.76 •	4.35 •	—	—	—	—	—
28	3.43	56	5.614	192	19.249	510	—	21.91 ▲	37.98	66.11	338	—	15.49 ▲	26.83	46.68	—	—	—
29	3.46	26	2.607	90	9.023	505	4.48 •	7.07 •	—	—	335	2.98 •	4.71 •	—	—	—	—	—
30	3.50	32	3.208	112	11.229	500	6.67 ▲	10.53	18.24	—	331	4.66 ▲	7.35	12.73	—	—	—	—
31	3.60	40	4.010	144	14.437	486	—	16.51 ▲	28.61	49.78	322	—	11.56 ▲	20.02	34.83	—	—	—
32	3.64	22	2.206	80	8.020	480	3.80 •	6.00 •	—	—	318	2.53 •	3.99 •	—	—	—	—	—
33	3.73	30	3.008	112	11.229	469	5.78 ■	9.12 •	15.80 •	—	310	4.04 ▲	6.36	11.02	—	—	—	—
34	3.75	24	2.406	90	9.023	466	4.14 •	6.53 •	—	—	309	2.76 •	4.35 •	—	—	—	—	—
35	3.79	38	3.810	144	14.437	461	—	15.28 ▲	26.47	46.06	306	—	10.69 ▲	18.51	32.21	—	—	—
36	4.00	28	2.807	112	11.229	437	4.95 ■	7.81 •	13.53 •	—	290	3.45 ▲	5.44	9.43	—	—	—	—
37	4.00	36	3.609	144	14.437	437	—	13.61 ▲	23.57	41.02	290	—	9.51 ▲	16.48	28.66	—	—	—
38	4.00	48	4.812	192	19.249	437	—	19.27 ▲	33.40	58.13	290	—	13.55 ▲	23.48	40.85	—	—	—
39	4.09	22	2.206	90	9.023	427	3.80 •	6.00 •	—	—	283	2.53 •	3.99 •	—	—	—	—	—
40	4.24	34	3.409	144	14.437	412	—	12.02 ▲	20.83	36.24	273	—	8.40 ▲	14.55	25.31	—	—	—
41	4.31	26	2.607	112	11.229	406	4.48 ■	7.07 •	—	—	269	2.98 ■	4.71 •	—	—	—	—	—
42	4.36	44	4.411	192	19.249	401	—	17.91 ▲	31.03	54.00	266	—	12.56 ▲	21.76	37.86	—	—	—
43	4.50	32	3.208	144	14.437	388	—	10.53 ▲	18.24	—	257	—	7.35 ▲	12.73	—	—	—	—
44	4.67	24	2.406	112	11.229	374	4.14 ■	6.53 •	—	—	248	2.76 ■	4.35 •	—	—	—	—	—
45	4.80	30	3.008	144	14.437	364	—	9.12 ■	15.80 •	—	241	—	6.36 ▲	11.02	—	—	—	—
46	4.80	40	4.010	192	19.249	364	—	16.51 ▲	28.61	49.78	241	—	11.56 ▲	20.02	34.83	—	—	—
47	5.05	38	3.810	192	19.249	346	—	15.28 ▲	26.47	46.06	229	—	10.69 ▲	18.51	32.21	—	—	—
48	5.09	22	2.206	112	11.229	343	3.80 ■	6.00 •	—	—	227	2.53 ■	3.99 •	—	—	—	—	—
49	5.14	28	2.807	144	14.437	340	—	7.81 ■	13.53 •	—	225	—	5.44 ▲	9.43	—	—	—	—
50	5.33	36	3.609	192	19.249	328	—	13.61 ▲	23.57	41.02	217	—	9.51 ▲	16.48	28.66	—	—	—
51	5.54	26	2.607	144	14.437	315	—	7.07 ■	—	—	209	—	4.71 ■	—	—	—	—	—
52	5.65	34	3.409	192	19.249	309	—	12.02 ▲	20.83	36.24	205	—	8.40 ▲	14.55	25.31	—	—	—
53	6.00	24	2.406	144	14.437	291	—	6.53 ■	—	—	193	—	4.35 ■	—	—	—	—	—
54	6.00	32	3.208	192	19.249	291	—	10.53 ▲	18.24	—	193	—	7.35 ▲	12.73	—	—	—	—
55	6.40	30	3.008	192	19.249	273	—	9.12 ■	15.80 •	—	181	—	6.36 ▲	11.02	—	—	—	—
56	6.55	22	2.206	144	14.437	267	—	6.00 ■	—	—	177	—	3.99 ■	—	—	—	—	—
57	6.86	28	2.807	192	19.249	255	—	7.81 ■	13.53 •	—	169	—	5.44 ▲	9.43	—	—	—	—
58	7.38	26	2.607	192	19.249	237	—	7.07 ■	—	—	157	—	4.71 ■	—	—	—	—	—
59	8.00	24	2.406	192	19.249	218	—	6.53 ■	—	—	145	—	4.35 ■	—	—	—	—	—
60	8.73	22	2.206	192	19.249	200	—	6.00 ■	—	—	132	—	3.99 ■	—	—	—	—	—

• Use this Sprocket at this Speed only if a reduction in belt life is acceptable.
▲ Driven sprocket is not available for belt width indicated; use next wider sprocket.
■ Both above notes apply.

Nominal Center Distances in inches for Various Belt Lengths																					Line No.
640	720	800	880	960	1040	1120	1200	1280	1440	1600	1760	1800	2000	2400	2600	2800	3048	3280	3600	4400	
.90				1.00				1.10				1.20									
—	—	6.49	8.15	9.79	11.40	13.01	14.61	16.20	19.38	22.55	25.72	26.51	30.46	38.36	42.30	46.24	51.13	55.70	62.01	77.76	1
—	—	—	6.88	8.55	10.20	11.82	13.43	15.04	18.23	21.41	24.58	25.37	29.33	37.23	41.18	45.12	50.01	54.58	60.89	76.65	2
6.23	7.85	9.46	11.05	12.64	14.23	15.82	17.40	18.98	22.14	25.30	28.46	29.25	33.19	41.07	45.01	48.95	53.84	58.40	64.71	80.46	3
—	—	—	—	—	—	9.14	10.81	12.45	15.70	18.91	22.11	22.90	26.88	34.80	38.76	42.71	47.60	52.18	58.49	74.26	4
—	5.89	7.56	9.19	10.80	12.41	14.00	15.60	17.19	20.36	23.52	26.69	27.48	31.42	39.31	43.26	47.20	52.08	56.65	62.96	78.71	5
—	—	—	—	—	—	—	—	—	11.79	15.11	18.38	19.19	23.21	31.19	35.17	39.13	44.04	48.63	54.95	70.74	6
—	—	—	7.01	8.69	10.33	11.96	13.57	15.18	18.37	21.56	24.73	25.52	29.48	37.38	41.33	45.27	50.16	54.74	61.04	76.81	7
5.30	6.96	8.59	10.20	11.80	13.40	14.99	16.58	18.16	21.33	24.49	27.65	28.44	32.38	40.27	44.21	48.15	53.04	57.61	63.91	79.66	8
—	—	6.62	8.29	9.93	11.54	13.15	14.75	16.35	19.53	22.70	25.87	26.66	30.61	38.51	42.45	46.39	51.28	55.85	62.16	77.92	9
—	—	—	—	—	—	—	—	—	—	—	—	—	17.57	25.77	29.80	33.81	38.76	43.37	49.73	65.56	10
—	6.02	7.69	9.33	10.94	12.55	14.15	15.74	17.33	20.50	23.67	26.83	27.62	31.57	39.46	43.41	47.35	52.24	56.81	63.11	78.87	11
—	—	—	—	—	—	9.40	11.07	12.72	15.98	19.20	22.39	23.19	27.17	35.10	39.05	43.01	47.90	52.48	58.79	74.57	12
—	—	—	7.13	8.82	10.47	12.10	13.71	15.32	18.52	21.70	24.88	25.67	29.63	37.53	41.48	45.42	50.32	54.89	61.20	76.96	13
—	—	6.75	8.42	10.06	11.68	13.29	14.90	16.49	19.67	22.85	26.02	26.81	30.76	38.66	42.60	46.55	51.44	56.01	62.31	78.07	14
5.42	7.09	8.73	10.34	11.94	13.54	15.13	16.72	18.31	21.48	24.64	27.80	28.59	32.53	40.42	44.36	48.30	53.19	57.76	64.06	79.82	15
—	—	—	—	—	—	9.52	11.21	12.86	16.12	19.34	22.54	23.33	27.31	35.24	39.20	43.15	48.05	52.63	58.95	74.72	16
—	6.15	7.82	9.46	11.08	12.69	14.29	15.89	17.48	20.65	23.82	26.98	27.77	31.72	39.62	43.56	47.50	52.39	56.96	63.27	79.02	17
—	—	—	7.26	8.95	10.60	12.23	13.85	15.46	18.66	21.85	25.02	25.81	29.78	37.68	41.63	45.58	50.47	55.04	61.35	77.11	18
—	—	—	—	—	—	—	—	—	12.30	15.65	18.93	19.74	23.77	31.77	35.75	39.72	44.63	49.22	55.55	71.34	19
—	—	—	—	—	—	—	—	—	—	—	—	13.81	18.09	26.32	30.36	34.37	39.33	43.95	50.31	66.16	20
—	—	6.88	8.55	10.20	11.82	13.43	15.04	16.64	19.82	23.00	26.16	26.96	30.91	38.81	42.75	46.70	51.59	56.16	62.47	78.23	21
—	—	—	—	—	7.92	9.65	11.34	12.99	16.25	19.48	22.68	23.48	27.46	35.39	39.35	43.30	48.20	52.78	59.10	74.87	22
—	—	—	7.39	9.08	10.74	12.37	13.99	15.60	18.80	21.99	25.17	25.96	29.92	37.83	41.78	45.73	50.62	55.19	61.50	77.27	23
—	6.28	7.96	9.60	11.22	12.83	14.43	16.03	17.62	20.80	23.97	27.13	27.92	31.87	39.77	43.71	47.66	52.54	57.12	63.42	79.18	24
—	—	—	—	—	—	—	—	—	12.56	15.91	19.20	20.01	24.05	32.06	36.04	40.01	44.93	49.52	55.85	71.64	25
—	—	—	—	—	8.04	9.78	11.47	13.13	16.39	19.62	22.82	23.62	27.60	35.54	39.50	43.45	48.35	52.93	59.25	75.02	26
—	—	7.00	8.69	10.33	11.96	13.57	15.18	16.78	19.97	23.14	26.31	27.10	31.06	38.96	42.91	46.85	51.74	56.31	62.62	78.38	27
—	—	—	—	—	—	—	—	—	—	—	13.42	14.31	18.61	26.86	30.91	34.94	39.90	44.53	50.89	66.75	28
—	—	—	7.51	9.21	10.87	12.51	14.13	15.74	18.95	22.14	25.31	26.11	30.07	37.98	41.93	45.88	50.77	55.35	61.65	77.42	29
—	—	—	—	—	8.17	9.91	11.60	13.26	16.53	19.76	22.96	23.76	27.75	35.69	39.65	43.60	48.50	53.08	59.40	75.18	30
—	—	—	—	—	—	—	—	—	12.81	16.18	19.47	20.28	24.33	32.34	36.33	40.30	45.22	49.81	56.14	71.95	31
—	—	7.13	8.82	10.47	12.10	13.71	15.32	16.92	20.11	23.29	26.46	27.25	31.21	39.11	43.06	47.00	51.89	56.47	62.77	78.53	32
—	—	—	—	—	8.29	10.04	11.73	13.39	16.67	19.90	23.11	23.91	27.89	35.83	39.79	43.75	48.65	53.23	59.55	75.33	33
—	—	—	7.64	9.34	11.00	12.64	14.27	15.88	19.09	22.28	25.46	26.25	30.22	38.13	42.08	46.03	50.92	55.50	61.81	77.57	34
—	—	—	—	—	—	—	—	—	12.94	16.31	19.60	20.42	24.47	32.49	36.47	40.45	45.37	49.96	56.29	72.10	35
—	—	—	—	—	8.41	10.16	11.86	13.53	16.80	20.04	23.25	24.05	28.04	35.98	39.94	43.90	48.80	53.38	59.70	75.48	36
—	—	—	—	—	—	—	—	9.52	13.07	16.44	19.74	20.56	24.61	32.63	36.62	40.59	45.51	50.11	56.44	72.25	37
—	—	—	—	—	—	—	—	—	—	—	13.91	14.81	19.13	27.41	31.47	35.50	40.47	45.10	51.47	67.34	38
—	—	5.98	7.77	9.47	11.14	12.78	14.41	16.02	19.23	22.42	25.61	26.40	30.37	38.28	42.23	46.18	51.07	55.65	61.96	77.73	39
—	—	—	—	—	—	—	—	9.64	13.19	16.57	19.87	20.69	24.75	32.77	36.76	40.74	45.66	50.26	56.59	72.40	40
—	—	—	—	—	8.54	10.29	11.99	13.66	16.94	20.18	23.39	24.19	28.18	36.13	40.09	44.05	48.95	53.53	59.85	75.63	41
—	—	—	—	—	—	—	—	—	—	—	14.16	15.05	19.39	27.68	31.74	35.78	40.75	45.39	51.76	67.64	42
—	—	—	—	—	—	—	—	9.76	13.32	16.71	20.01	20.83	24.89	32.92	36.90	40.88	45.81	50.40	56.74	72.55	43
—	—	—	—	—	8.66	10.42	12.12	13.79	17.07	20.32	23.53	24.33	28.32	36.27	40.24	44.20	49.10	53.68	60.00	75.78	44
—	—	—	—	—	—	—	—	9.89	13.45	16.84	20.14	20.96	25.03	33.06	37.05	41.03	45.95	50.55	56.89	72.70	45
—	—	—	—	—	—	—	—	—	—	—	14.40	15.30	19.64	27.95	32.02	36.06	41.04	45.67	52.05	67.93	46
—	—	—	—	—	—	—	—	—	—	—	14.53	15.43	19.77	28.08	32.16	36.20	41.18	45.82	52.20	68.08	47
—	—	—	—	—	8.78	10.54	12.25	13.92	17.21	20.45	23.67	24.47	28.47	36.42	40.38	44.34	49.25	53.83	60.15	75.94	48
—	—	—	—	—	—	—	—	10.01	13.57	16.97	20.28	21.10	25.16	33.20	37.19	41.17	46.10	50.70	57.03	72.85	49
—	—	—	—	—	—	—	—	—	—	—	14.65	15.55	19.90	28.22	32.29	36.33	41.32	45.96	52.34	68.22	50
—	—	—	—	—	—	—	—	10.13	13.70	17.10	20.41	21.23	25.30	33.34	37.33	41.32	46.24	50.85	57.18	73.00	51
—	—	—	—	—	—	—	—	—	—	—	14.77	15.67	20.03	28.35	32.43	36.47	41.46	46.10	52.48	68.37	52
—	—	—	—	—	—	—	—	10.25	13.83	17.23	20.55	21.37	25.44	33.48	37.48	41.46	46.39	50.99	57.33	73.15	53
—	—	—	—	—	—	—	—	—	—	—	14.89	15.80	20.16	28.49	32.57	36.61	41.60	46.24	52.63	68.52	54
—	—	—	—	—	—	—	—	—	—	—	15.01	15.92	20.28	28.62	32.70	36.75	41.74	46.39	52.77	68.66	55
—	—	—	—	—	—	—	—	10.37	13.95	17.36	20.68	21.50	25.58	33.63	37.62	41.61	46.54	51.14	57.48	73.30	56
—	—	—	—	—	—	—	—	—	—	—	15.14	16.04	20.41	28.76	32.84	36.89	41.88	46.53	52.92	68.81	57
—	—	—	—	—	—	—	—	—	—	11.44	15.26	16.16	20.54	28.89	32.98	37.03	42.02	46.67	53.06	68.96	58
—	—	—	—	—	—	—	—	—	—	11.56	15.38	16.29	20.67	29.03	33.11	37.17	42.16	46.81	53.20	69.10	59
—	—	—	—	—	—	—	—	—	—	11.67	15.50	16.41	20.79	29.16	33.25	37.31	42.30	46.95	53.35	69.25	60

Table No. 1

Line No.	Ratio	Sprocket Combination				Driven Speed and Horsepower													
		Driver		Driven		1750 RPM Driver						1160 RPM Driver							
							HP per Belt Width						HP per Belt Width						
		No. Teeth	Pitch Dia.	No. Teeth	Pitch Dia.	Driven RPM	40	55	85	115	170	Driven RPM	40	55	85	115	170	966	1190
													Multiply HP Ratings by BELT LENGTH FACTOR →					.80	
1	1.00	28	4.9126	28	4.9126	1750	21.67 •	32.43 •	53.94 •	75.45 •	—	1160	17.12	25.56	42.46	59.36	—	11.30	15.71
2	1.00	29	5.0880	29	5.0880	1750	23.30 •	34.86 •	57.99 •	81.13 •	—	1160	18.45	27.56	45.77	63.99	—	11.03	15.44
3	1.00	30	5.2635	30	5.2635	1750	24.95 •	37.35 •	62.13 •	86.91 •	—	1160	19.82	29.60	49.17	68.74	—	10.75	15.16
4	1.00	32	5.6144	32	5.6144	1750	28.36	42.45	70.63	98.81	—	1160	22.65	33.83	56.20	78.57	—	10.20	14.61
5	1.00	34	5.9653	34	5.9653	1750	31.88	47.73	79.42	111.12	—	1160	25.60	38.25	63.54	88.83	—	9.65	14.06
6	1.00	36	6.3162	36	6.3162	1750	35.49	53.15	88.47	123.79	188.54	1160	28.67	42.83	71.16	99.49	151.43	9.10	13.51
7	1.00	38	6.6671	38	6.6671	1750	37.86	56.72	94.43	132.14	201.28	1160	30.79	46.00	76.44	106.87	162.67	8.55	12.96
8	1.00	40	7.0180	40	7.0180	1750	39.44	59.11	98.46	137.80	209.94	1160	32.32	48.30	80.26	112.23	170.82	8.00	12.41
9	1.00	44	7.7198	44	7.7198	1750	42.48	63.74	106.25	148.76	226.69	1160	35.37	52.87	87.89	122.90	187.09	—	11.31
10	1.00	48	8.4216	48	8.4216	1750	45.34	68.11	113.64	159.18	242.66	1160	38.39	57.42	95.47	133.52	203.29	—	10.20
11	1.00	52	9.1234	52	9.1234	1750	47.76	71.83	119.99	168.15	256.43	1160	41.19	61.62	102.50	143.37	218.31	—	—
12	1.00	56	9.8252	56	9.8252	1750	49.90	75.18	125.73	176.28	268.97	1160	43.89	65.71	109.33	152.95	232.93	—	—
13	1.00	60	10.5270	60	10.5270	1750	51.79	78.17	130.92	183.67	280.38	1160	46.54	69.70	116.03	162.35	247.28	—	—
14	1.00	64	11.2288	64	11.2288	1750	53.42	80.79	135.52	190.26	290.60	1160	49.12	73.61	122.59	171.56	261.35	—	—
15	1.00	68	11.9306	68	11.9306	1750	54.77	83.02	139.51	196.00	299.56	1160	51.63	77.42	128.99	180.56	275.11	—	—
16	1.00	72	12.6324	72	12.6324	1750	55.83	84.83	142.84	200.85	307.20	1160	54.07	81.12	135.22	189.33	288.52	—	—
17	1.00	80	14.0360	80	14.0360	1750	56.98	87.12	147.40	207.68	318.20	1160	58.67	88.16	147.14	206.11	314.23	—	—
18	1.03	29	5.0880	30	5.2635	1699	23.30 •	34.86 •	57.99 •	81.13 •	—	1126	18.45	27.56	45.77	63.99	—	10.89	15.30
19	1.04	28	4.9126	29	5.0880	1682	21.67 •	32.43 •	53.94 •	75.45 •	—	1115	17.12	25.56	42.46	59.36	—	11.16	15.57
20	1.05	38	6.6671	40	7.0180	1666	37.86	56.72	94.43	132.14	201.28	1104	30.79	46.00	76.44	106.87	162.67	8.27	12.68
21	1.06	32	5.6144	34	5.9653	1650	28.36	42.45	70.63	98.81	—	1094	22.65	33.83	56.20	78.57	—	9.92	14.33
22	1.06	34	5.9653	36	6.3162	1650	31.88	47.73	79.42	111.12	—	1094	25.60	38.25	63.54	88.83	—	9.37	13.78
23	1.06	36	6.3162	38	6.6671	1650	35.49	53.15	88.47	123.79	188.54	1094	28.67	42.83	71.16	99.49	151.43	8.82	13.23
24	1.06	64	11.2288	68	11.9306	1650	53.42	80.79	135.52	190.26	290.60	1094	49.12	73.61	122.59	171.56	261.35	—	—
25	1.06	68	11.9306	72	12.6324	1650	54.77	83.02	139.51	196.00	299.56	1094	51.63	77.42	128.99	180.56	275.11	—	—
26	1.07	28	4.9126	30	5.2635	1635	21.67 •	32.43 •	53.94 •	75.45 •	—	1084	17.12	25.56	42.46	59.36	—	11.03	15.44
27	1.07	30	5.2635	32	5.6144	1635	24.95 •	37.35 •	62.13 •	86.91 •	—	1084	19.82	29.60	49.17	68.74	—	10.48	14.89
28	1.07	56	9.8252	60	10.5270	1635	49.90	75.18	125.73	176.28	268.97	1084	43.89	65.71	109.33	152.95	232.93	—	—
29	1.07	60	10.5270	64	11.2288	1635	51.79	78.17	130.92	183.67	280.38	1084	46.54	69.70	116.03	162.35	247.28	—	—
30	1.08	48	8.4216	52	9.1234	1620	45.34	68.11	113.64	159.18	242.66	1074	38.39	57.42	95.47	133.52	203.29	—	9.65
31	1.08	52	9.1234	56	9.8252	1620	47.76	71.83	119.99	168.15	256.43	1074	41.19	61.62	102.50	143.37	218.31	—	—
32	1.09	44	7.7198	48	8.4216	1605	42.48	63.74	106.25	148.76	226.69	1064	35.37	52.87	87.89	122.90	187.09	—	10.75
33	1.10	29	5.0880	32	5.6144	1590	23.30 •	34.86 •	57.99 •	81.13 •	—	1054	18.45	27.56	45.77	63.99	—	10.61	15.02
34	1.10	40	7.0180	44	7.7198	1590	39.44	59.11	98.46	137.80	209.94	1054	32.32	48.30	80.26	112.23	170.82	—	11.85
35	1.11	36	6.3162	40	7.0180	1576	35.49	53.15	88.47	123.79	188.54	1045	28.67	42.83	71.16	99.49	151.43	8.54	12.95
36	1.11	72	12.6324	80	14.0360	1576	55.83	84.83	142.84	200.85	307.20	1045	54.07	81.12	135.22	189.33	288.52	—	—
37	1.12	32	5.6144	36	6.3162	1562	28.36	42.45	70.63	98.81	—	1035	22.65	33.83	56.20	78.57	—	9.64	14.06
38	1.12	34	5.9653	38	6.6671	1562	31.88	47.73	79.42	111.12	—	1035	25.60	38.25	63.54	88.83	—	9.09	13.50
39	1.12	64	11.2288	72	12.6324	1562	53.42	80.79	135.52	190.26	290.60	1035	49.12	73.61	122.59	171.56	261.35	—	—
40	1.12	80	14.0360	90	15.7905	1562	56.98	87.12	147.40	207.68	318.20	1035	58.67	88.16	147.14	206.11	314.23	—	—
41	1.13	30	5.2635	34	5.9653	1548	24.95 •	37.35 •	62.13 •	86.91 •	—	1026	19.82	29.60	49.17	68.74	—	10.20	14.61
42	1.13	60	10.5270	68	11.9306	1548	51.79	78.17	130.92	183.67	280.38	1026	46.54	69.70	116.03	162.35	247.28	—	—
43	1.14	28	4.9126	32	5.6144	1535	21.67 •	32.43 •	53.94 •	75.45 •	—	1017	17.12	25.56	42.46	59.36	—	10.75	15.16
44	1.14	56	9.8252	64	11.2288	1535	49.90	75.18	125.73	176.28	268.97	1017	43.89	65.71	109.33	152.95	232.93	—	—
45	1.15	52	9.1234	60	10.5270	1521	47.76	71.83	119.99	168.15	256.43	1008	41.19	61.62	102.50	143.37	218.31	—	—
46	1.16	38	6.6671	44	7.7198	1508	37.86	56.72	94.43	132.14	201.28	1000	30.79	46.00	76.44	106.87	162.67	7.70	12.12
47	1.17	29	5.0880	34	5.9653	1495	23.30 •	34.86 •	57.99 •	81.13 •	—	991	18.45	27.56	45.77	63.99	—	10.33	14.74
48	1.17	48	8.4216	56	9.8252	1495	45.34	68.11	113.64	159.18	242.66	991	38.39	57.42	95.47	133.52	203.29	—	—
49	1.18	34	5.9653	40	7.0180	1483	31.88	47.73	79.42	111.12	—	983	25.60	38.25	63.54	88.83	—	8.81	13.22
50	1.18	44	7.7198	52	9.1234	1483	42.48	63.74	106.25	148.76	226.69	983	35.37	52.87	87.89	122.90	187.09	—	10.18
51	1.18	68	11.9306	80	14.0360	1483	54.77	83.02	139.51	196.00	299.56	983	51.63	77.42	128.99	180.56	275.11	—	—
52	1.19	32	5.6144	38	6.6671	1470	28.36	42.45	70.63	98.81	—	974	22.65	33.83	56.20	78.57	—	9.36	13.77
53	1.20	30	5.2635	36	6.3162	1458	24.95 •	37.35 •	62.13 •	86.91 •	—	966	19.82	29.60	49.17	68.74	—	9.91	14.33
54	1.20	40	7.0180	48	8.4216	1458	39.44	59.11	98.46	137.80	209.94	966	32.32	48.30	80.26	112.23	170.82	—	11.28
55	1.20	60	10.5270	72	12.6324	1458	51.79	78.17	130.92	183.67	280.38	966	46.54	69.70	116.03	162.35	247.28	—	—
56	1.21	28	4.9126	34	5.9653	1446	21.67 •	32.43 •	53.94 •	75.45 •	—	958	17.12	25.56	42.46	59.36	—	10.46	14.88
57	1.21	56	9.8252	68	11.9306	1446	49.90	75.18	125.73	176.28	268.97	958	43.89	65.71	109.33	152.95	232.93	—	—
58	1.22	36	6.3162	44	7.7198	1434	35.49	53.15	88.47	123.79	188.54	950	28.67	42.83	71.16	99.49	151.43	7.97	12.39
59	1.23	52	9.1234	64	11.2288	1422	47.76	71.83	119.99	168.15	256.43	943	41.19	61.62	102.50	143.37	218.31	—	—
60	1.24	29	5.0880	36	6.3162	1411	23.30 •	34.86 •	57.99 •	81.13 •	—	935	18.45	27.56	45.77	63.99	—	10.04	14.46
61	1.25	32	5.6144	40	7.0180	1400	28.36	42.45	70.63	98.81	—	928	22.65	33.83	56.20	78.57	—	9.07	13.49
62	1.25	48	8.4216	60	10.5270	1400	45.34	68.11	113.64	159.18	242.66	928	38.39	57.42	95.47	133.52	203.29	—	—
63	1.25	64	11.2288	80	14.0360	1400	53.52	80.79	135.52	190.26	290.60	928	49.12	73.61	122.59	171.56	261.35	—	—
64	1.25	72	12.6324	90	15.7905	1400	55.83	84.83	142.84	200.85	307.20	928	54.07	81.12	135.22	189.33	288.52	—	—
65	1.26	38	6.6671	48	8.4216	1388	37.86	56.72	94.43	132.14	201.28	920	30.79	46.00	76.44	106.87	162.67	—	11.55

• This drive should be used only if a reduction in belt life is acceptable.

Nominal Center Distances in Inches for Various Belt Lengths																					Line No.
1400	1610	1778	1890	2100	2310	2450	2590	2800	3150	3360	3500	3850	4326	4578	4956	5320	5740	6160	6860	
.90		.95		1.00			1.05								1.10						
19.85	23.98	27.29	29.49	33.63	37.76	40.52	43.27	47.41	54.30	58.43	61.19	68.07	77.45	82.41	89.85	97.01	105.28	113.55	127.33	1
19.57	23.70	27.01	29.22	33.35	37.48	40.24	43.00	47.13	54.02	58.15	60.91	67.80	77.17	82.13	89.57	96.74	105.00	113.27	127.05	2
19.30	23.43	26.74	28.94	33.08	37.21	39.96	42.72	46.85	53.74	57.88	60.63	67.52	76.89	81.85	89.30	96.46	104.73	113.00	126.78	3
18.74	22.88	26.19	28.39	32.52	36.66	39.41	42.17	46.30	53.19	57.33	60.08	66.97	76.34	81.30	88.74	95.91	104.18	112.45	126.23	4
18.19	22.33	25.63	27.84	31.97	36.11	38.86	41.62	45.75	52.64	56.78	59.53	66.42	75.79	80.75	88.19	95.36	103.63	111.89	125.67	5
17.64	21.78	25.08	27.29	31.42	35.56	38.31	41.07	45.20	52.09	56.23	58.98	65.87	75.24	80.20	87.64	94.81	103.08	111.34	125.12	6
17.09	21.23	24.53	26.74	30.87	35.01	37.76	40.52	44.65	51.54	55.67	58.43	65.32	74.69	79.65	87.09	94.26	102.53	110.79	124.57	7
16.54	20.67	23.98	26.19	30.32	34.45	37.21	39.97	44.10	50.99	55.12	57.88	64.77	74.14	79.10	86.54	93.71	101.97	110.24	124.02	8
15.44	19.57	22.88	25.08	29.22	33.35	36.11	38.86	43.00	49.89	54.02	56.78	63.67	73.04	78.00	85.44	92.60	100.87	109.14	122.92	9
14.34	18.47	21.78	23.98	28.12	32.25	35.01	37.76	41.90	48.79	52.92	55.68	62.57	71.94	76.90	84.34	91.50	99.77	108.04	121.82	10
13.24	17.37	20.68	22.88	27.02	31.15	33.90	36.66	40.79	47.68	51.82	54.57	61.46	70.83	75.79	83.24	90.40	98.67	106.94	120.72	11
12.13	16.27	19.57	21.78	25.91	30.05	32.80	35.56	39.69	46.58	50.72	53.47	60.36	69.73	74.69	82.13	89.30	97.57	105.83	119.61	12
11.03	15.17	18.47	20.68	24.81	28.95	31.70	34.46	38.59	45.48	49.61	52.37	59.26	68.63	73.59	81.03	88.20	96.47	104.73	118.51	13
—	14.06	17.37	19.58	23.71	27.84	30.60	33.36	37.49	44.38	48.51	51.27	58.16	67.53	72.49	79.93	87.10	95.36	103.63	117.41	14
—	12.96	16.27	18.47	22.61	26.74	29.50	32.25	36.39	43.28	47.41	50.17	57.06	66.43	71.39	78.83	85.99	94.26	102.53	116.31	15
—	—	15.17	17.37	21.51	25.64	28.40	31.15	35.29	42.18	46.31	49.07	55.95	65.33	70.29	77.73	84.89	93.16	101.43	115.21	16
—	—	—	15.17	19.30	23.44	26.19	28.95	33.08	39.97	44.11	46.86	53.75	63.12	68.08	75.52	82.69	90.96	99.22	113.00	17
19.43	23.57	26.87	29.08	33.21	37.35	40.10	42.86	46.99	53.88	58.02	60.77	67.66	77.03	81.99	89.43	96.60	104.87	113.13	126.91	18
19.71	23.84	27.15	29.35	33.49	37.62	40.38	43.13	47.27	54.16	58.29	61.05	67.94	77.31	82.27	89.71	96.87	105.14	113.41	127.19	19
16.82	20.95	24.26	26.46	30.60	34.73	37.49	40.24	44.38	51.27	55.40	58.15	65.04	74.41	79.38	86.82	93.98	102.25	110.52	124.30	20
18.47	22.60	25.91	28.11	32.25	36.38	39.14	41.89	46.03	52.92	57.05	59.81	66.70	76.07	81.03	88.47	95.63	103.90	112.17	125.95	21
17.92	22.05	25.36	27.56	31.70	35.83	38.59	41.34	45.48	52.37	56.50	59.26	66.15	75.52	80.48	87.92	95.08	103.35	111.62	125.40	22
17.37	21.50	24.81	27.01	31.15	35.28	38.04	40.79	44.93	51.82	55.95	58.71	65.60	74.97	79.93	87.37	94.53	102.80	111.07	124.85	23
—	13.51	16.82	19.02	23.16	27.29	30.05	32.80	36.94	43.83	47.96	50.72	57.61	66.98	71.94	79.38	86.54	94.81	103.08	116.86	24
—	—	15.71	17.92	22.05	26.19	28.94	31.70	35.83	42.72	46.86	49.61	56.50	65.87	70.84	78.28	85.44	93.71	101.98	115.76	25
19.57	23.70	27.01	29.22	33.35	37.48	40.24	43.00	47.13	54.02	58.15	60.91	67.80	77.17	82.13	89.57	96.74	105.00	113.27	127.05	26
19.02	23.15	26.46	28.67	32.80	36.93	39.69	42.44	46.58	53.47	57.60	60.36	67.25	76.62	81.58	89.02	96.19	104.45	112.72	126.50	27
11.58	15.71	19.02	21.23	25.36	29.49	32.25	35.01	39.14	46.03	50.16	52.92	59.81	69.18	74.14	81.58	88.75	97.02	105.28	119.06	28
—	14.61	17.92	20.12	24.26	28.39	31.15	33.90	38.04	44.93	49.06	51.82	58.71	68.08	73.04	80.48	87.65	95.91	104.18	117.96	29
13.78	17.92	21.22	23.43	27.56	31.70	34.45	37.21	41.34	48.23	52.37	55.12	62.01	71.38	76.34	83.79	90.95	99.22	107.49	121.27	30
12.68	16.81	20.12	22.33	26.46	30.60	33.35	36.11	40.24	47.13	51.27	54.02	60.91	70.28	75.24	82.68	89.85	98.12	106.39	120.16	31
14.88	19.02	22.33	24.53	28.67	32.80	35.56	38.31	42.45	49.34	53.47	56.23	63.12	72.49	77.45	84.89	92.05	100.32	108.59	122.37	32
19.16	23.29	26.60	28.80	32.94	37.07	39.83	42.58	46.72	53.61	57.74	60.50	67.39	76.76	81.72	89.16	96.32	104.59	112.86	126.64	33
15.99	20.12	23.43	25.63	29.77	33.90	36.66	39.41	43.55	50.44	54.57	57.33	64.22	73.59	78.55	85.99	93.16	101.42	109.69	123.47	34
17.09	21.22	24.53	26.74	30.87	35.00	37.76	40.52	44.65	51.54	55.67	58.43	65.32	74.69	79.65	87.09	94.26	102.52	110.79	124.57	35
—	—	14.05	16.26	20.39	24.53	27.28	30.04	34.18	41.07	45.20	47.96	54.85	64.22	69.18	76.62	83.79	92.06	100.32	114.10	36
18.19	22.32	25.63	27.84	31.97	36.11	38.86	41.62	45.75	52.64	56.78	59.53	66.42	75.79	80.75	88.19	95.36	103.63	111.89	125.67	37
17.64	21.77	25.08	27.29	31.42	35.55	38.31	41.07	45.20	52.09	56.22	58.98	65.87	75.24	80.20	87.64	94.81	103.08	111.34	125.12	38
—	12.94	16.25	18.46	22.60	26.73	29.49	32.25	36.38	43.27	47.41	50.16	57.05	66.42	71.38	78.83	85.99	94.26	102.53	116.31	39
—	—	—	—	17.90	22.04	24.80	27.56	31.69	38.58	42.72	45.48	52.37	61.74	66.70	74.14	81.31	89.57	97.84	111.62	40
18.74	22.88	26.18	28.39	32.52	36.66	39.41	42.17	46.30	53.19	57.33	60.08	66.97	76.34	81.30	88.74	95.91	104.18	112.45	126.22	41
—	14.05	17.36	19.56	23.70	27.83	30.59	33.35	37.48	44.37	48.51	51.26	58.15	67.53	72.49	79.93	87.09	95.36	103.63	117.41	42
19.29	23.43	26.73	28.94	33.07	37.21	39.96	42.72	46.85	53.74	57.88	60.63	67.52	76.89	81.85	89.30	96.46	104.73	113.00	126.78	43
11.01	15.15	18.46	20.67	24.80	28.94	31.69	34.45	38.58	45.48	49.61	52.37	59.26	68.63	73.59	81.03	88.19	96.46	104.73	118.51	44
12.11	16.25	19.56	21.77	25.90	30.04	32.80	35.55	39.69	46.58	50.71	53.47	60.36	69.73	74.69	82.13	89.30	97.56	105.83	119.61	45
16.26	20.39	23.70	25.91	30.04	34.17	36.93	39.69	43.82	50.71	54.85	57.60	64.49	73.86	78.82	86.26	93.43	101.70	109.97	123.75	46
18.88	23.01	26.32	28.52	32.66	36.79	39.55	42.31	46.44	53.33	57.46	60.22	67.11	76.48	81.44	88.88	96.05	104.31	112.58	126.36	47
13.22	17.36	20.66	22.87	27.01	31.14	33.90	36.65	40.79	47.68	51.81	54.57	61.46	70.83	75.79	83.23	90.40	98.67	106.93	120.71	48
17.36	21.49	24.80	27.01	31.14	35.28	38.03	40.79	44.92	51.81	55.95	58.70	65.59	74.96	79.92	87.37	94.53	102.80	111.07	124.85	49
14.32	18.46	21.77	23.97	28.11	32.24	35.00	37.76	41.89	48.78	52.92	55.67	62.56	71.93	76.89	84.33	91.50	99.77	108.04	121.82	50
—	—	14.58	16.79	20.93	25.07	27.82	30.58	34.72	41.61	45.75	48.50	55.39	64.77	69.73	77.17	84.33	92.60	100.87	114.65	51
17.91	22.05	25.35	27.56	31.69	35.83	38.58	41.34	45.47	52.36	56.50	59.25	66.14	75.52	80.48	87.92	95.08	103.35	111.62	125.40	52
18.46	22.60	25.90	28.11	32.24	36.38	39.13	41.89	46.03	52.92	57.05	59.81	66.70	76.07	81.03	88.47	95.63	103.90	112.17	125.95	53
15.42	19.56	22.87	25.07	29.21	33.35	36.10	38.86	42.99	49.88	54.02	56.77	63.66	73.03	78.00	85.44	92.60	100.87	109.14	122.92	54
—	13.47	16.79	19.00	23.13	27.27	30.03	32.79	36.92	43.82	47.95	50.71	57.60	66.97	71.93	79.37	86.54	94.81	103.07	116.86	55
19.01	23.15	26.46	28.66	32.80	36.93	39.69	42.44	46.58	53.47	57.60	60.36	67.25	76.62	81.58	89.02	96.18	104.45	112.72	126.50	56
—	14.58	17.89	20.10	24.24	28.37	31.13	33.89	38.03	44.92	49.05	51.81	58.70	68.07	73.03	80.47	87.64	95.91	104.18	117.96	57
16.53	20.66	23.97	26.18	30.31	34.45	37.20	39.96	44.09	50.99	55.12	57.88	64.77	74.14	79.10	86.54	93.70	101.97	110.24	124.02	58
11.53	15.68	18.99	21.20	25.34	29.48	32.23	34.99	39.13	46.02	50.15	52.91	59.80	69.17	74.13	81.58	88.74	97.01	105.28	119.06	59
18.60	22.73	26.04	28.25	32.38	36.52	39.27	42.03	46.16	53.05	57.19	59.94	66.83	76.20	81.16	88.61	95.77	104.04	112.31	126.09	60
17.63	21.77	25.07	27.28	31.41	35.55	38.31	41.06	45.20	52.09	56.22	58.98	65.87	75.24	80.20	87.64	94.81	103.07	111.34	125.12	61
12.64	16.79	20.10	22.31	26.44	30.58	33.34	36.09	40.23	47.12	51.26	54.01	60.90	70.28	75.24	82.68	89.84	98.11	106.38	120.16	62
—	—	15.10	17.32	21.46	25.60	28.36	31.12	35.26	42.15	46.29	49.05	55.94	65.31	70.27	77.71	84.88	93.15	101.42	115.20	63
—	—	—	14.81	18.96	23.11	25.87	28.63	32.77	39.66	43.80	46.56	53.45	62.83	67.79	75.23	82.40	90.67	98.94	112.72	64
15.69	19.83	23.14	25.35	29.48	33.62	36.37	39.13	43.26	50.16	54.29	57.05	63.94	73.31	78.27	85.71	92.88	101.14	109.41	123.19	65

Table No. 1

Line No.	Ratio	Sprocket Combination				Driven Speed and Horsepower													
						1750 RPM Driver						1160 RPM Driver							
		Driver		Driven			HP per Belt Width						HP per Belt Width						
		No. Teeth	Pitch Dia	No. Teeth	Pitch Dia	Driven RPM	40	55	85	115	170	Driven RPM	40	55	85	115	170	966	1190
																		Multiply HP Ratings by BELT LENGTH FACTOR →	.80
1	1.27	30	5.2635	38	6.6671	1377	24.95 •	37.35 •	62.13 •	86.91 •	—	913	19.82	29.60	49.17	68.74	—	9.62	14.04
2	1.27	44	7.7198	56	9.8252	1377	42.48	63.74	106.25	148.76	226.69	913	35.37	52.87	87.89	122.90	187.09	—	9.59
3	1.29	28	4.9126	36	6.3162	1356	21.67 •	32.43 •	53.94 •	75.45 •	—	899	17.12	25.56	42.46	59.36	—	10.18	14.59
4	1.29	34	5.9653	44	7.7198	1356	31.88	47.73	79.42	111.12	—	899	25.60	38.25	63.54	88.83	—	8.23	12.65
5	1.29	56	9.8252	72	12.6324	1356	49.90	75.18	125.73	176.28	268.97	899	43.89	65.71	109.33	152.95	232.93	—	—
6	1.30	40	7.0180	52	9.1234	1346	39.44	59.11	98.46	137.80	209.94	892	32.32	48.30	80.26	112.23	170.82	—	10.70
7	1.31	29	5.0880	38	6.6671	1335	23.30 •	34.86 •	57.99 •	81.13 •	—	885	18.45	27.56	45.77	63.99	—	9.76	14.18
8	1.31	52	9.1234	68	11.9306	1335	47.76	71.83	119.99	168.15	256.43	885	41.19	61.62	102.50	143.37	218.31	—	—
9	1.32	68	11.9306	90	15.7905	1325	54.77	83.02	139.51	196.00	299.56	878	51.63	77.42	128.99	180.56	275.11	—	—
10	1.33	30	5.2635	40	7.0180	1315	24.95 •	37.35 •	62.13 •	86.91 •	—	872	19.82	29.60	49.17	68.74	—	9.33	13.76
11	1.33	36	6.3162	48	8.4216	1315	35.49	53.15	88.47	123.79	188.54	872	28.67	42.83	71.16	99.49	151.43	—	11.81
12	1.33	48	8.4216	64	11.2288	1315	45.34	68.11	113.64	159.18	242.66	872	38.39	57.42	95.47	133.52	203.29	—	—
13	1.33	60	10.5270	80	14.0360	1315	51.79	78.17	130.92	183.67	280.38	872	46.54	69.70	116.03	162.35	247.28	—	—
14	1.36	28	4.9126	38	6.6671	1286	21.67 •	32.43 •	53.94 •	75.45 •	—	852	17.12	25.56	42.46	59.36	—	9.89	14.31
15	1.36	44	7.7198	60	10.5270	1286	42.48	63.74	106.25	148.76	226.69	852	35.37	52.87	87.89	122.90	187.09	—	—
16	1.37	32	5.6144	44	7.7198	1277	28.36	42.45	70.63	98.81	—	846	22.65	33.83	56.20	78.57	—	8.48	12.92
17	1.37	38	6.6671	52	9.1234	1277	37.86	56.72	94.43	132.14	201.28	846	30.79	46.00	76.44	106.87	162.67	—	10.96
18	1.38	29	5.0880	40	7.0180	1268	23.30 •	34.86 •	57.99 •	81.13 •	—	840	18.45	27.56	45.77	63.99	—	9.46	13.89
19	1.38	52	9.1234	72	12.6324	1268	47.76	71.83	119.99	168.15	256.43	840	41.19	61.62	102.50	143.37	218.31	—	—
20	1.40	40	7.0180	56	9.8252	1250	39.44	59.11	98.46	137.80	209.94	828	32.32	48.30	80.26	112.23	170.82	—	10.11
21	1.40	80	14.0360	112	19.6504	1250	56.98	87.12	147.40	207.68	318.20	828	58.67	88.16	147.14	206.11	314.23	—	—
22	1.41	34	5.9653	48	8.4216	1241	31.88	47.73	79.42	111.12	—	822	25.60	38.25	63.54	88.83	—	7.62	12.07
23	1.41	64	11.2288	90	15.7905	1241	53.42	80.79	135.52	190.26	290.60	822	49.12	73.61	122.59	171.56	261.35	—	—
24	1.42	48	8.4216	68	11.9306	1232	45.34	68.11	113.64	159.18	242.66	816	38.39	57.42	95.47	133.52	203.29	—	—
25	1.43	28	4.9126	40	7.0180	1223	21.67 •	32.43 •	53.94 •	75.45 •	—	811	17.12	25.56	42.46	59.36	—	9.59	14.02
26	1.43	56	9.8252	80	14.0360	1223	49.90	75.18	125.73	176.28	268.97	811	43.89	65.71	109.33	152.95	232.93	—	—
27	1.44	36	6.3162	52	9.1234	1215	35.49	53.15	88.47	123.79	188.54	805	28.67	42.83	71.16	99.49	151.43	—	11.22
28	1.45	44	7.7198	64	11.2288	1206	42.48	63.74	106.25	148.76	226.69	800	35.37	52.87	87.89	122.90	187.09	—	—
29	1.47	30	5.2635	44	7.7198	1190	24.95 •	37.35 •	62.13 •	86.91 •	—	789	19.82	29.60	49.17	68.74	—	8.74	13.18
30	1.47	38	6.6671	56	9.8252	1190	37.86	56.72	94.43	132.14	201.28	789	30.79	46.00	76.44	106.87	162.67	—	10.36
31	1.50	32	5.6144	48	8.4216	1166	28.36	42.45	70.63	98.81	—	773	22.65	33.83	56.20	78.57	—	7.87	12.33
32	1.50	40	7.0180	60	10.5270	1166	39.44	59.11	98.46	137.80	209.94	773	32.32	48.30	80.26	112.23	170.82	—	9.49
33	1.50	48	8.4216	72	12.6324	1166	45.34	68.11	113.64	159.18	242.66	773	38.39	57.42	95.47	133.52	203.29	—	—
34	1.50	60	10.5270	90	15.7905	1166	51.79	78.17	130.92	183.67	280.38	773	46.54	69.70	116.03	162.35	247.28	—	—
35	1.52	29	5.0880	44	7.7198	1151	23.30 •	34.86 •	57.99 •	81.13 •	—	763	18.45	27.56	45.77	63.99	—	8.86	13.31
36	1.53	34	5.9653	52	9.1234	1143	31.88	47.73	79.42	111.12	—	758	25.60	38.25	63.54	88.83	—	—	11.47
37	1.54	52	9.1234	80	14.0360	1136	47.76	71.83	119.99	168.15	256.43	753	41.19	61.62	102.50	143.37	218.31	—	—
38	1.55	44	7.7198	68	11.9306	1129	42.48	63.74	106.25	148.76	226.69	748	35.37	52.87	87.89	122.90	187.09	—	—
39	1.56	36	6.3162	56	9.8252	1121	35.49	53.15	88.47	123.79	188.54	743	28.67	42.83	71.16	99.49	151.43	—	10.61
40	1.56	72	12.6324	112	19.6504	1121	55.83	84.83	142.84	200.85	307.20	743	54.07	81.12	135.22	189.33	288.52	—	—
41	1.57	28	4.9126	44	7.7198	1114	21.67 •	32.43 •	53.94 •	75.45 •	—	738	17.12	25.56	42.46	59.36	—	8.99	13.44
42	1.58	38	6.6671	60	10.5270	1107	37.86	56.72	94.43	132.14	201.28	734	30.79	46.00	76.44	106.87	162.67	—	9.74
43	1.60	30	5.2635	48	8.4216	1093	24.95 •	37.35 •	62.13 •	86.91 •	—	725	19.82	29.60	49.17	68.74	—	8.12	12.58
44	1.60	40	7.0180	64	11.2288	1093	39.44	59.11	98.46	137.80	209.94	725	32.32	48.30	80.26	112.23	170.82	—	—
45	1.61	56	9.8252	90	15.7905	1086	49.90	75.18	125.73	176.80	268.97	720	43.89	65.71	109.33	152.95	232.93	—	—
46	1.62	32	5.6144	52	9.1234	1080	28.36	42.45	70.63	98.81	—	716	22.65	33.83	56.20	78.57	—	—	11.72
47	1.64	44	7.7198	72	12.6324	1067	42.48	63.74	106.25	148.76	226.69	707	35.37	52.87	87.89	122.90	187.09	—	—
48	1.65	34	5.9653	56	9.8252	1060	31.88	47.73	79.42	111.12	—	703	25.60	38.25	63.54	88.83	—	—	10.86
49	1.65	68	11.9306	112	19.6504	1060	54.77	83.02	139.51	196.00	299.56	703	51.63	77.42	128.99	180.56	275.11	—	—
50	1.66	29	5.0880	48	8.4216	1054	23.30 •	34.86 •	57.99 •	81.13 •	—	698	18.45	27.56	45.77	63.99	—	8.24	12.71
51	1.67	36	6.3162	60	10.5270	1047	35.49	53.15	88.47	123.79	188.54	694	28.67	42.83	71.16	99.49	151.43	—	9.98
52	1.67	48	8.4216	80	14.0360	1047	45.34	68.11	113.64	159.18	242.66	694	38.39	57.42	95.47	133.52	203.29	—	—
53	1.68	38	6.6671	64	11.2288	1041	37.86	56.72	94.43	132.14	201.28	690	30.79	46.00	76.44	106.87	162.67	—	—
54	1.70	40	7.0180	68	11.9306	1029	39.44	59.11	98.46	137.80	209.94	682	32.32	48.30	80.26	112.23	170.82	—	—
55	1.71	28	4.9126	48	8.4216	1023	21.67 •	32.43 •	53.94 •	75.45 •	—	678	17.12	25.56	42.46	59.36	—	8.36	12.84
56	1.73	30	5.2635	52	9.1234	1011	24.95 •	37.35 •	62.13 •	86.91 •	—	670	19.82	29.60	49.17	68.74	—	—	11.98
57	1.73	52	9.1234	90	15.7905	1011	47.76	71.83	119.99	168.15	256.43	670	41.19	61.62	102.50	143.37	218.31	—	—
58	1.75	32	5.6144	56	9.8252	1000	28.36	42.45	70.63	98.81	—	662	22.65	33.83	56.20	78.57	—	—	11.11
59	1.75	64	11.2288	112	19.6504	1000	53.42	80.79	135.52	190.26	290.60	662	49.12	73.61	122.59	171.56	261.35	—	—
60	1.76	34	5.9653	60	10.5270	994	31.88	47.73	79.42	111.12	—	659	25.60	38.25	63.54	88.83	—	—	10.22
61	1.78	36	6.3162	64	11.2288	983	35.49	53.15	88.47	123.79	188.54	651	28.67	42.83	71.16	99.49	151.43	—	9.33
62	1.79	29	5.0880	52	9.1234	977	23.30 •	34.86 •	57.99 •	81.13 •	—	648	18.45	27.56	45.77	63.99	—	7.59	12.10
63	1.79	38	6.6671	68	11.9306	977	37.86	56.72	94.43	132.14	201.28	648	30.79	46.00	76.44	106.87	162.67	—	—
64	1.80	40	7.0180	72	12.6324	972	39.44	59.11	98.46	137.80	209.94	644	32.32	48.30	80.26	112.23	170.82	—	—
65	1.80	80	14.0360	114	25.2648	972	56.98	87.12	147.40	207.68	318.20	644	58.67	88.16	147.14	206.11	314.23	—	—

• This drive should be used only if a reduction in belt life is acceptable.

Nominal Center Distances in Inches for Various Belt Lengths																					Line No.
1400	1610	1778	1890	2100	2310	2450	2590	2800	3150	3360	3500	3850	4326	4578	4956	5320	5740	6160	6860	
.90		.95		1.00			1.05			1.10										
18.18	22.32	25.63	27.83	31.97	36.10	38.86	41.61	45.75	52.64	56.77	59.53	66.42	75.79	80.75	88.19	95.36	103.62	111.89	125.67	1
13.75	17.89	21.20	23.41	27.55	31.68	34.44	37.20	41.33	48.22	52.36	55.12	62.01	71.38	76.34	83.78	90.95	99.21	107.48	121.26	2
18.73	22.87	26.18	28.38	32.52	36.65	39.41	42.16	46.30	53.19	57.32	60.08	66.97	76.34	81.30	88.74	95.91	104.18	112.44	126.22	3
16.79	20.93	24.24	26.45	30.58	34.72	37.48	40.23	44.37	51.26	55.39	58.15	65.04	74.41	79.37	86.81	93.98	102.25	110.51	124.29	4
—	13.99	17.31	19.53	23.67	27.81	30.57	33.33	37.46	44.36	48.49	51.25	58.14	67.51	72.48	79.92	87.08	95.35	103.62	117.40	5
14.85	18.99	22.30	24.51	28.65	32.78	35.54	38.30	42.43	49.33	53.46	56.22	63.11	72.48	77.44	84.88	92.05	100.32	108.58	122.36	6
18.31	22.45	25.76	27.97	32.10	36.24	38.99	41.75	45.88	52.77	56.91	59.66	66.56	75.93	80.89	88.33	95.49	103.76	112.03	125.81	7
10.94	15.10	18.42	20.63	24.77	28.91	31.67	34.43	38.57	45.46	49.59	52.35	59.24	68.62	73.58	81.02	88.19	96.46	104.72	118.50	8
—	—	—	15.32	19.48	23.63	26.40	29.16	33.30	40.20	44.34	47.10	53.99	63.37	68.33	75.77	82.94	91.21	99.48	113.26	9
17.90	22.03	25.34	27.55	31.69	35.82	38.58	41.33	45.47	52.36	56.49	59.25	66.14	75.51	80.47	87.91	95.08	103.35	111.62	125.40	10
15.96	20.10	23.41	25.61	29.75	33.89	36.64	39.40	43.54	50.43	54.56	57.32	64.21	73.58	78.54	85.98	93.15	101.42	109.69	123.47	11
12.05	16.21	19.52	21.73	25.88	30.01	32.77	35.53	39.67	46.56	50.70	53.45	60.35	69.72	74.68	82.12	89.29	97.56	105.83	119.61	12
—	—	15.62	17.84	21.99	26.13	28.89	31.65	35.79	42.69	46.83	49.58	56.48	65.85	70.81	78.26	85.42	93.69	101.96	115.74	13
18.45	22.59	25.90	28.10	32.24	36.37	39.13	41.89	46.02	52.91	57.05	59.80	66.69	76.06	81.02	88.47	95.63	103.90	112.17	125.95	14
13.16	17.31	20.63	22.84	26.98	31.12	33.88	36.63	40.77	47.66	51.80	54.56	61.45	70.82	75.78	83.22	90.39	98.66	106.93	120.71	15
17.06	21.20	24.51	26.72	30.85	34.99	37.75	40.50	44.64	51.53	55.66	58.42	65.31	74.68	79.64	87.09	94.25	102.52	110.79	124.57	16
15.11	19.26	22.57	24.78	28.92	33.05	35.81	38.57	42.71	49.60	53.73	56.49	63.38	72.75	77.71	85.16	92.32	100.59	108.86	122.64	17
18.03	22.17	25.48	27.68	31.82	35.96	38.71	41.47	45.60	52.50	56.63	59.39	66.28	75.65	80.61	88.05	95.22	103.48	111.75	125.53	18
—	14.51	17.84	20.05	24.20	28.34	31.10	33.86	38.00	44.90	49.03	51.79	58.68	68.06	73.02	80.46	87.63	95.90	104.17	117.95	19
14.27	18.42	21.73	23.94	28.08	32.22	34.98	37.74	41.87	48.77	52.90	55.66	62.55	71.92	76.88	84.33	91.49	99.76	108.03	121.81	20
—	—	—	—	—	18.82	21.60	24.38	28.54	35.45	39.60	42.36	49.26	58.65	63.61	71.06	78.23	86.50	94.78	108.56	21
16.22	20.36	23.67	25.88	30.02	34.16	36.91	39.67	43.81	50.70	54.83	57.59	64.48	73.85	78.82	86.26	93.42	101.69	109.96	123.74	22
—	—	—	15.83	20.00	24.15	26.92	29.69	33.83	40.73	44.87	47.63	54.53	63.91	68.87	76.32	83.48	91.75	100.02	113.81	23
11.45	15.62	18.94	21.16	25.30	29.44	32.20	34.96	39.10	46.00	50.13	52.89	59.79	69.16	74.12	81.56	88.73	97.00	105.27	119.05	24
18.16	22.30	25.61	27.82	31.96	36.09	38.85	41.61	45.74	52.63	56.77	59.52	66.41	75.79	80.75	88.19	95.35	103.62	111.89	125.67	25
—	12.79	16.13	18.35	22.51	26.66	29.42	32.18	36.33	43.23	47.36	50.12	57.02	66.39	71.36	78.80	85.97	94.24	102.51	116.29	26
15.38	19.52	22.84	25.05	29.18	33.32	36.08	38.84	42.98	49.87	54.00	56.76	63.65	73.02	77.99	85.43	92.59	100.86	109.13	122.91	27
12.56	16.73	20.05	22.26	26.41	30.55	33.31	36.07	40.21	47.10	51.24	53.99	60.89	70.26	75.22	82.67	89.83	98.10	106.37	120.15	28
17.32	21.47	24.78	26.99	31.12	35.26	38.02	40.77	44.91	51.80	55.94	58.69	65.58	74.96	79.92	87.36	94.53	102.79	111.06	124.84	29
14.53	18.68	22.00	24.21	28.35	32.49	35.25	38.01	42.14	49.04	53.17	55.93	62.82	72.19	77.16	84.60	91.76	100.03	108.30	122.08	30
16.48	20.63	23.94	26.15	30.29	34.43	37.18	39.94	44.08	50.97	55.11	57.86	64.75	74.13	79.09	86.53	93.70	101.96	110.23	124.01	31
13.67	17.83	21.15	23.37	27.51	31.65	34.41	37.17	41.31	48.20	52.34	55.10	61.99	71.36	76.33	83.77	90.94	99.20	107.47	121.25	32
—	15.02	18.35	20.57	24.72	28.87	31.63	34.39	38.53	45.43	49.57	52.33	59.22	68.60	73.56	81.00	88.17	94.44	104.71	118.49	33
—	—	14.10	16.33	20.51	24.67	27.44	30.21	34.36	41.27	45.41	48.17	55.07	64.44	69.41	76.86	84.02	92.30	100.57	114.35	34
17.46	21.60	24.91	27.12	31.26	35.39	38.15	40.91	45.04	51.94	56.07	58.83	65.72	75.09	80.05	87.50	94.66	102.93	111.20	124.98	35
15.63	19.79	23.10	25.31	29.45	33.59	36.35	39.11	43.24	50.14	54.27	57.03	63.92	73.30	78.26	85.70	92.87	101.14	109.40	123.19	36
—	13.29	16.64	18.86	23.03	27.18	29.95	32.71	36.86	43.76	47.90	50.66	57.56	66.93	71.90	79.34	86.51	94.78	103.05	116.83	37
11.95	16.13	19.46	21.68	25.83	29.97	32.74	35.50	39.64	46.53	50.67	53.43	60.33	69.70	74.66	82.11	89.27	97.54	105.81	119.60	38
14.78	18.94	22.26	24.47	28.61	32.75	35.51	38.27	42.41	49.31	53.44	56.20	63.09	72.47	77.43	84.87	92.04	100.31	108.58	122.36	39
—	—	—	—	—	19.82	22.61	25.40	29.57	36.50	40.65	43.41	50.32	59.71	64.68	72.13	79.31	87.58	95.85	109.64	40
17.59	21.73	25.04	27.25	31.39	35.53	38.29	41.04	45.18	52.07	56.21	58.96	65.86	75.23	80.19	87.63	94.80	103.07	111.34	125.12	41
13.93	18.09	21.42	23.63	27.77	31.92	34.68	37.44	41.58	48.47	52.61	55.37	62.26	71.63	76.60	84.04	91.21	99.48	107.75	121.53	42
16.74	20.89	24.21	26.41	30.56	34.69	37.45	40.21	44.35	51.24	55.38	58.13	65.03	74.40	79.36	86.80	93.97	102.24	110.51	124.29	43
13.07	17.24	20.57	22.78	26.93	31.08	33.84	36.60	40.74	47.64	51.78	54.53	61.43	70.80	75.77	83.21	90.38	98.65	106.92	120.70	44
—	—	14.59	16.83	21.02	25.19	27.96	30.73	34.88	41.79	45.94	48.70	55.60	64.98	69.95	77.39	84.56	92.84	101.11	114.89	45
15.89	20.05	23.37	25.58	29.72	33.86	36.62	39.38	43.51	50.41	54.54	57.30	64.19	73.57	78.53	85.97	93.14	101.41	109.68	123.46	46
11.32	15.52	18.86	21.09	25.24	29.39	32.16	34.92	39.06	45.97	50.11	52.86	59.76	69.14	74.10	81.55	88.71	96.99	105.26	119.04	47
15.04	19.20	22.52	24.73	28.88	33.02	35.78	38.54	42.68	49.58	53.71	56.47	63.36	72.74	77.70	85.14	92.31	100.58	108.85	122.63	48
—	—	—	—	—	20.31	23.12	25.91	30.08	37.02	41.17	43.94	50.85	60.24	65.21	72.67	79.84	88.12	96.39	110.18	49
16.87	21.02	24.34	26.55	30.69	34.83	37.59	40.34	44.48	51.38	55.51	58.27	65.16	74.53	79.50	86.94	94.11	102.37	110.64	124.42	50
14.18	18.35	21.68	23.89	28.04	32.18	34.94	37.70	41.84	48.74	52.88	55.64	62.53	71.91	76.87	84.31	91.48	99.75	108.02	121.80	51
—	13.78	17.14	19.37	23.54	27.70	30.47	33.24	37.38	44.29	48.43	51.19	58.09	67.47	72.43	79.88	87.05	95.32	103.59	117.38	52
13.32	17.50	20.83	23.04	27.19	31.34	34.10	36.87	41.01	47.91	52.04	54.80	61.70	71.07	76.04	83.48	90.65	98.92	107.19	120.97	53
12.44	16.64	19.97	22.19	26.35	30.50	33.26	36.03	40.17	47.07	51.21	53.97	60.86	70.24	75.20	82.65	89.82	98.09	106.36	120.14	54
17.00	21.15	24.47	26.68	30.82	34.96	37.72	40.48	44.62	51.51	55.65	58.40	65.30	74.67	79.63	87.07	94.24	102.51	110.78	124.56	55
16.15	20.31	23.63	25.84	29.98	34.12	36.88	39.64	43.78	50.68	54.81	57.57	64.47	73.84	78.80	86.24	93.41	101.68	109.95	123.73	56
—	—	15.07	17.33	21.52	25.70	28.48	31.25	35.40	42.32	46.47	49.23	56.13	65.52	70.48	77.93	85.10	93.38	101.65	115.43	57
15.29	19.46	22.78	25.00	29.14	33.29	36.05	38.81	42.95	49.84	53.98	56.74	63.63	73.01	77.97	85.41	92.58	100.85	109.12	122.90	58
—	—	—	—	16.56	20.81	23.61	26.41	30.59	37.53	41.69	44.46	51.38	60.77	65.74	73.20	80.37	88.65	96.93	110.72	59
14.43	18.61	21.94	24.15	28.30	32.45	35.21	37.97	42.11	49.01	53.15	55.90	62.80	72.18	77.14	84.58	91.75	100.02	108.29	122.07	60
13.56	17.75	21.08	23.30	27.46	31.60	34.37	37.13	41.27	48.17	52.31	55.07	61.97	71.34	76.31	83.75	90.92	99.19	107.46	121.24	61
16.28	20.44	23.76	25.97	30.12	34.26	37.02	39.78	43.92	50.81	54.95	57.71	64.60	73.97	78.94	86.38	93.55	101.82	110.09	123.87	62
12.69	16.89	20.23	22.45	26.61	30.76	33.53	36.29	40.43	47.34	51.48	54.23	61.13	70.51	75.47	82.92	90.09	98.36	106.63	120.41	63
11.80	16.02	19.37	21.60	25.76	29.92	32.68	35.45	39.59	46.50	50.64	53.40	60.30	69.68	74.64	82.09	89.26	97.53	105.80	119.58	64
—	—	—	—	—	—	—	—	23.60	30.64	34.84	37.63	44.58	54.01	59.00	66.47	73.66	81.95	90.23	104.04	65

E

Table No. 1

Line No.	Ratio	Sprocket Combination				Driven Speed and Horsepower													
						1750 RPM Driver						1160 RPM Driver							
		Driver		Driven		Driv-en RPM	HP per Belt Width					Driv-en RPM	HP per Belt Width						
		No. Teeth	Pitch Dia.	No. Teeth	Pitch Dia.		40	55	85	115	170		40	55	85	115	170	966	1190
												Multiply HP Ratings by BELT LENGTH FACTOR →						.80	
1	1.82	44	7.7198	80	14.0360	961	42.48	63.74	106.25	148.76	226.69	637	35.37	52.87	87.89	122.90	187.09	—	—
2	1.86	28	4.9126	52	9.1234	940	21.67 •	32.43 •	53.94 •	75.45 •	—	623	17.12	25.56	42.46	59.36	—	7.71	12.23
3	1.87	30	5.2635	56	9.8252	935	24.95 •	37.35 •	62.13 •	86.91 •	—	620	19.82	29.60	49.17	68.74	—	—	11.35
4	1.87	32	5.6144	60	10.5270	935	28.36	42.45	70.63	98.81	—	620	22.65	33.83	56.20	78.57	—	—	10.47
5	1.87	48	8.4216	90	15.7905	935	45.34	68.11	113.64	159.18	242.66	620	38.39	57.42	95.47	133.52	203.29	—	—
6	1.87	60	10.5270	112	19.6504	935	51.79	78.17	130.92	183.67	280.38	620	46.54	69.70	116.03	162.35	247.28	—	—
7	1.88	34	5.9653	64	11.2288	930	31.88	47.73	79.42	111.12	—	617	25.60	38.25	63.54	88.83	—	—	9.57
8	1.89	36	6.3162	68	11.9306	925	35.49	53.15	88.47	123.79	188.54	613	28.67	42.83	71.16	99.49	151.43	—	—
9	1.89	38	6.6671	72	12.6324	925	37.86	56.72	94.43	132.14	201.28	613	30.79	46.00	76.44	106.87	162.67	—	—
10	1.93	29	5.0880	56	9.8252	906	23.30 •	34.86 •	57.99 •	81.13 •	—	601	18.45	27.56	45.77	63.99	—	—	11.47
11	2.00	28	4.9126	56	9.8252	875	21.67 •	32.43 •	53.94 •	75.45 •	—	580	17.12	25.56	42.46	59.36	—	—	11.60
12	2.00	30	5.2635	60	10.5270	875	24.95 •	37.35 •	62.13 •	86.91 •	—	580	19.82	29.60	49.17	68.74	—	—	10.71
13	2.00	32	5.6144	64	11.2288	875	28.36	42.45	70.63	98.81	—	580	22.65	33.83	56.20	78.57	—	—	9.80
14	2.00	34	5.9653	68	11.9306	875	31.88	47.73	79.42	111.12	—	580	25.60	38.25	63.54	88.83	—	—	—
15	2.00	36	6.3162	72	12.6324	875	35.49	53.15	88.47	123.79	188.54	580	28.67	42.83	71.16	99.49	151.43	—	—
16	2.00	40	7.0180	80	14.0360	875	39.44	59.11	98.46	137.80	209.94	580	32.32	48.30	80.26	112.23	170.82	—	—
17	2.00	56	9.8252	112	19.6504	875	49.90	75.18	125.73	176.28	268.97	580	43.89	65.71	109.33	152.95	232.93	—	—
18	2.00	72	12.6324	144	25.2648	875	55.83	84.83	142.84	200.85	307.20	580	54.07	81.12	135.22	189.33	288.52	—	—
19	2.05	44	7.7198	90	15.7905	853	42.48	63.74	106.25	148.76	226.69	565	35.37	52.87	87.89	122.90	187.09	—	—
20	2.07	29	5.0880	60	10.5270	845	23.30 •	34.86 •	57.99 •	81.13 •	—	560	18.45	27.56	45.77	63.99	—	—	10.83
21	2.10	80	14.0360	168	29.4756	833	56.98 ▲	87.12	147.40	207.68	318.20	552	58.67 ▲	88.16	147.14	206.11	314.23	—	—
22	2.11	38	6.6671	80	14.0360	829	37.86	56.72	94.43	132.14	201.28	549	30.79	46.00	76.44	106.87	162.67	—	—
23	2.12	32	5.6144	68	11.9306	825	28.36	42.45	70.63	98.81	—	547	22.65	33.83	56.20	78.57	—	—	9.11
24	2.12	34	5.9653	72	12.6324	825	31.88	47.73	79.42	111.12	—	547	25.60	38.25	63.54	88.83	—	—	—
25	2.12	68	11.9306	144	25.2648	825	54.77	83.02	139.51	196.00	299.56	547	51.63	77.42	128.99	180.56	275.11	—	—
26	2.13	30	5.2635	64	11.2288	821	24.95 •	37.35 •	62.13 •	86.91 •	—	544	19.82	29.60	49.17	68.74	—	—	10.04
27	2.14	28	4.9126	60	10.5270	817	21.67 •	32.43 •	53.94 •	75.45 •	—	542	17.12	25.56	42.46	59.36	—	—	10.95
28	2.15	52	9.1234	112	19.6504	813	47.76	71.83	119.99	168.15	256.43	539	41.19	61.62	102.50	143.37	218.31	—	—
29	2.21	29	5.0880	64	11.2288	791	23.30 •	34.86 •	57.99 •	81.13 •	—	524	18.45	27.56	45.77	63.99	—	—	10.15
30	2.22	36	6.3162	80	14.0360	788	35.49	53.15	88.47	123.79	188.54	522	28.67	42.83	71.16	99.49	151.43	—	—
31	2.25	32	5.6144	72	12.6324	777	28.36	42.45	70.63	98.81	—	515	22.65	33.83	56.20	78.57	—	—	—
32	2.25	40	7.0180	90	15.7905	777	39.44	59.11	98.46	137.80	209.94	515	32.32	48.30	80.26	112.23	170.82	—	—
33	2.25	64	11.2288	144	25.2648	777	53.42	80.79	135.52	190.26	290.60	515	49.12	73.61	122.59	171.56	261.35	—	—
34	2.27	30	5.2635	68	11.9306	770	24.95 •	37.35 •	62.13 •	86.91 •	—	511	19.82	29.60	49.17	68.74	—	—	9.33
35	2.29	28	4.9126	64	11.2288	764	21.67 •	32.43 •	53.94 •	75.45 •	—	506	17.12	25.56	42.46	59.36	—	—	10.27
36	2.33	48	8.4216	112	19.6504	751	45.34	68.11	113.64	159.18	242.66	497	38.39	57.42	95.47	133.52	203.29	—	—
37	2.33	72	12.6324	168	29.4756	751	55.83 ▲	84.83	142.84	200.85	307.20	497	54.07 ▲	81.12	135.22	189.33	288.52	—	—
38	2.34	29	5.0880	68	11.9306	747	23.30 •	34.86 •	57.99 •	81.13 •	—	495	18.45	27.56	45.77	63.99	—	—	9.45
39	2.35	34	5.9653	80	14.0360	744	31.88	47.73	79.42	111.12	—	493	25.60	38.25	63.54	88.83	—	—	—
40	2.37	38	6.6671	90	15.7905	738	37.86	56.72	94.43	132.14	201.28	489	30.79	46.00	76.44	106.87	162.67	—	—
41	2.40	30	5.2635	72	12.6324	729	24.95 •	37.35 •	62.13 •	86.91 •	—	483	19.82	29.60	49.17	68.74	—	—	—
42	2.40	60	10.5270	144	25.2648	729	51.79	78.17	130.92	183.67	280.38	483	46.54	69.70	116.03	162.35	247.28	—	—
43	2.40	80	14.0360	192	33.6864	729	56.98 ▲	87.12	147.40	207.68	318.20	483	58.67 ▲	88.16	147.14	206.11	314.23	—	—
44	2.43	28	4.9126	68	11.9306	720	21.67 •	32.43 •	53.94 •	75.45 •	—	477	17.12	25.56	42.46	59.36	—	—	9.56
45	2.47	68	11.9306	168	29.4756	708	54.77 ▲	83.02	139.51	196.00	299.56	469	51.63 ▲	77.42	128.99	180.56	275.11	—	—
46	2.48	29	5.0880	72	12.6324	705	23.30 •	34.86 •	57.99 •	81.13 •	—	467	18.45	27.56	45.77	63.99	—	—	—
47	2.50	32	5.6144	80	14.0360	700	28.36	42.45	70.63	98.81	—	464	22.65	33.83	56.20	78.57	—	—	—
48	2.50	36	6.3162	90	15.7905	700	35.49	53.15	88.47	123.79	188.54	464	28.67	42.83	71.16	99.49	151.43	—	—
49	2.55	44	7.7198	112	19.6504	686	42.48	63.74	106.25	148.76	226.69	454	35.37	52.87	87.89	122.90	187.09	—	—
50	2.57	28	4.9126	72	12.6324	680	21.67 •	32.43 •	53.94 •	75.45 •	—	451	17.12	25.56	42.46	59.36	—	—	—
51	2.57	56	9.8252	144	25.2648	680	49.90	75.18	125.73	176.28	268.97	451	43.89	65.71	109.33	152.95	232.93	—	—
52	2.62	64	11.2288	168	29.4756	667	53.42 ▲	80.79	135.52	190.26	290.60	442	49.12 ▲	73.61	122.59	171.56	261.35	—	—
53	2.65	34	5.9653	90	15.7905	660	31.88	47.73	79.42	111.12	—	437	25.60	38.25	63.54	88.83	—	—	—
54	2.67	30	5.2635	80	14.0360	655	24.95 •	37.35 •	62.13 •	86.91 •	—	434	19.82	29.60	49.17	68.74	—	—	—
55	2.67	72	12.6324	192	33.6864	655	55.83 ▲	84.83	142.84	200.85	307.20	434	54.07 ▲	81.12	135.22	189.33	288.52	—	—
56	2.70	80	14.0360	216	37.8972	648	56.98 ▲	87.12	147.40	207.68	318.20	429	58.67 ▲	88.16	147.14	206.11	314.23	—	—
57	2.76	29	5.0880	80	14.0360	634	23.30 •	34.86 •	57.99 •	81.13 •	—	420	18.45	27.56	45.77	63.99	—	—	—
58	2.77	52	9.1234	144	25.2648	631	47.76	71.83	119.99	168.15	256.43	418	41.19	61.62	102.50	143.37	218.31	—	—
59	2.80	40	7.0180	112	19.6504	625	39.44	59.11	98.46	137.80	209.94	414	32.32	48.30	80.26	112.23	170.82	—	—
60	2.80	60	10.5270	168	29.4756	625	51.79 ▲	78.17	130.92	183.67	280.38	414	46.54 ▲	69.70	116.03	162.35	247.28	—	—
61	2.81	32	5.6144	90	15.7905	622	28.36	42.45	70.63	98.81	—	412	22.65	33.83	56.20	78.57	—	—	—
62	2.82	68	11.9306	192	33.6864	620	54.77 ▲	83.02	139.51	196.00	299.56	411	51.63 ▲	77.42	128.99	180.56	275.11	—	—
63	2.86	28	4.9126	80	14.0360	611	21.67 •	32.43 •	53.94 •	75.45 •	—	405	17.12	25.56	42.46	59.36	—	—	—
64	2.95	38	6.6671	112	19.6504	593	37.86	56.72	94.43	132.14	201.28	393	30.79	46.00	76.44	106.87	162.67	—	—
65	3.00	30	5.2635	90	15.7905	583	24.95 •	37.35 •	62.13 •	86.91 •	—	386	19.82	29.60	49.17	68.74	—	—	—

• This drive should be used only if a reduction in belt life is acceptable.
▲ Driven sprocket is not available for belt width indicated; use next wider sprocket.

Nominal Center Distances in Inches for Various Belt Lengths																				Line No.
1400	1610	1778	1890	2100	2310	2450	2590	2800	3150	3360	3500	3850	4326	4578	4956	5320	5740	6160	6860	
.90		.95			1.00			1.05							1.10					
—	14.27	17.64	19.88	24.05	28.22	30.99	33.76	37.91	44.82	48.96	51.72	58.62	68.01	72.97	80.42	87.59	95.86	104.13	117.92	1
16.41	20.57	23.89	26.10	30.25	34.39	37.15	39.91	44.05	50.95	55.08	57.84	64.74	74.11	79.07	86.52	93.68	101.95	110.22	124.00	2
15.55	19.72	23.04	25.26	29.41	33.55	36.31	39.07	43.21	50.11	54.25	57.01	63.90	73.28	78.24	85.68	92.85	101.12	109.39	123.17	3
14.68	18.86	22.19	24.41	28.56	32.71	35.47	38.23	42.38	49.28	53.41	56.17	63.07	72.45	77.41	84.85	92.02	100.29	108.56	122.34	4
—	—	15.56	17.82	22.02	26.21	28.99	31.76	35.92	42.84	46.99	49.76	56.66	66.05	71.02	78.47	85.64	93.91	102.19	115.97	5
—	—	—	—	17.04	21.30	24.11	26.91	31.09	38.05	42.21	44.98	51.90	61.30	66.27	73.73	80.91	89.19	97.46	111.26	6
13.81	18.00	21.34	23.56	27.72	31.87	34.63	37.39	41.54	48.44	52.58	55.34	62.23	71.61	76.58	84.02	91.19	99.46	107.73	121.51	7
12.93	17.14	20.48	22.71	26.87	31.02	33.79	36.55	40.70	47.60	51.74	54.50	61.40	70.78	75.74	83.19	90.36	98.63	106.90	120.68	8
12.04	16.27	19.62	21.85	26.02	30.18	32.94	35.71	39.86	46.76	50.90	53.66	60.56	69.94	74.91	82.36	89.53	97.80	106.07	119.85	9
15.67	19.84	23.17	25.39	29.54	33.68	36.44	39.21	43.35	50.25	54.38	57.14	64.04	73.41	78.38	85.82	92.99	101.26	109.53	123.31	10
15.80	19.97	23.30	25.52	29.67	33.81	36.58	39.34	43.48	50.38	54.52	57.28	64.17	73.55	78.51	85.96	93.12	101.39	109.66	123.45	11
14.93	19.12	22.45	24.67	28.82	32.97	35.74	38.50	42.64	49.54	53.68	56.44	63.34	72.71	77.68	85.12	92.29	100.56	108.83	122.62	12
14.06	18.26	21.60	23.82	27.98	32.13	34.89	37.66	41.80	48.71	52.85	55.61	62.50	71.88	76.85	84.29	91.46	99.73	108.00	121.79	13
13.17	17.39	20.74	22.96	27.13	31.28	34.05	36.82	40.96	47.87	52.01	54.77	61.67	71.05	76.01	83.46	90.63	98.90	107.17	120.95	14
12.28	16.52	19.87	22.10	26.27	30.43	33.20	35.97	40.12	47.03	51.17	53.93	60.83	70.21	75.18	82.62	89.79	98.07	106.34	120.12	15
—	14.75	18.13	20.38	24.56	28.73	31.51	34.28	38.43	45.35	49.49	52.25	59.16	68.54	73.51	80.96	88.13	96.40	104.67	118.46	16
—	—	—	—	17.51	21.78	24.60	27.41	31.60	38.56	42.72	45.49	52.42	61.82	66.80	74.26	81.44	89.72	98.00	111.79	17
—	—	—	—	—	—	—	20.25	24.56	31.63	35.84	38.63	45.60	55.05	60.04	67.51	74.71	83.00	91.29	105.10	18
—	12.59	16.04	18.30	22.52	26.71	29.50	32.28	36.44	43.36	47.52	50.28	57.19	66.58	71.55	79.00	86.17	94.45	102.73	116.51	19
15.06	19.24	22.58	24.80	28.95	33.10	35.87	38.63	42.77	49.68	53.82	56.57	63.47	72.85	77.81	85.26	92.43	100.70	108.97	122.75	20
—	—	—	—	—	—	—	—	—	26.74	31.03	33.86	40.90	50.41	55.42	62.93	70.14	78.46	86.76	100.59	21
10.67	14.99	18.38	20.62	24.81	28.99	31.76	34.54	38.69	45.61	49.75	52.52	59.42	68.81	73.77	81.22	88.40	96.67	104.94	118.73	22
13.41	17.64	20.99	23.22	27.38	31.54	34.31	37.08	41.22	48.13	52.27	55.03	61.93	71.32	76.28	83.73	90.90	99.17	107.44	121.23	23
12.52	16.76	20.12	22.36	26.53	30.69	33.46	36.23	40.38	47.29	51.43	54.20	61.10	70.48	75.45	82.89	90.06	98.34	106.61	120.39	24
—	—	—	—	—	—	—	20.72	25.03	32.12	36.33	39.13	46.11	55.56	60.55	68.03	75.23	83.53	91.82	105.63	25
14.30	18.51	21.85	24.07	28.23	32.39	35.16	37.92	42.07	48.97	53.11	55.87	62.77	72.15	77.11	84.56	91.73	100.00	108.27	122.06	26
15.18	19.37	22.71	24.93	29.08	33.23	36.00	38.76	42.91	49.81	53.95	56.71	63.61	72.98	77.95	85.39	92.56	100.83	109.10	122.89	27
—	—	—	—	17.98	22.26	25.09	27.90	32.10	39.07	43.23	46.01	52.94	62.35	67.33	74.79	81.97	90.25	98.53	112.33	28
14.42	18.63	21.98	24.20	28.36	32.52	35.29	38.05	42.20	49.10	53.24	56.01	62.90	72.28	77.25	84.70	91.86	100.14	108.41	122.19	29
10.90	15.23	18.62	20.87	25.07	29.24	32.02	34.79	38.95	45.87	50.02	52.78	59.69	69.07	74.04	81.49	88.66	96.94	105.21	119.00	30
12.75	17.01	20.37	22.61	26.79	30.95	33.72	36.49	40.64	47.55	51.70	54.46	61.36	70.75	75.71	83.16	90.33	98.61	106.88	120.67	31
—	13.05	16.51	18.79	23.02	27.21	30.00	32.79	36.95	43.88	48.04	50.80	57.72	67.11	72.08	79.53	86.71	94.99	103.26	117.05	32
—	—	—	—	—	—	—	21.18	25.51	32.61	36.83	39.63	46.61	56.07	61.07	68.55	75.75	84.05	92.35	106.16	33
13.66	17.89	21.24	23.47	27.64	31.80	34.57	37.34	41.49	48.40	52.54	55.30	62.20	71.58	76.55	84.00	91.17	99.44	107.71	121.50	34
14.55	18.76	22.10	24.33	28.49	32.65	35.42	38.18	42.33	49.24	53.38	56.14	63.04	72.42	77.38	84.83	92.00	100.27	108.54	122.33	35
—	—	—	—	18.45	22.74	25.58	28.39	32.60	39.57	43.75	46.52	53.46	62.87	67.85	75.31	82.50	90.78	99.06	112.86	36
—	—	—	—	—	—	—	—	—	27.67	31.98	34.83	41.89	51.41	56.44	63.95	71.17	79.49	87.80	101.64	37
13.78	18.01	21.37	23.60	27.77	31.93	34.70	37.47	41.62	48.53	52.67	55.43	62.33	71.72	76.68	84.13	91.30	99.57	107.85	121.63	38
11.13	15.47	18.87	21.12	25.32	29.50	32.28	35.05	39.21	46.13	50.28	53.04	59.95	69.34	74.31	81.76	88.93	97.21	105.48	119.27	39
—	13.28	16.75	19.03	23.26	27.46	30.26	33.04	37.21	44.14	48.30	51.06	57.98	67.37	72.35	79.80	86.98	95.25	103.53	117.32	40
12.99	17.25	20.62	22.86	27.04	31.21	33.98	36.75	40.90	47.82	51.96	54.73	61.63	71.01	75.98	83.43	90.60	98.88	107.15	120.94	41
—	—	—	—	—	—	18.69	21.64	25.98	33.09	37.32	40.12	47.12	56.58	61.58	69.07	76.27	84.58	92.87	106.69	42
—	—	—	—	—	—	—	—	—	—	26.89	29.82	37.02	46.66	51.72	59.28	66.54	74.89	83.22	97.08	43
13.89	18.13	21.49	23.72	27.90	32.06	34.83	37.60	41.75	48.66	52.80	55.57	62.47	71.85	76.82	84.26	91.44	99.71	107.98	121.77	44
—	—	—	—	—	—	—	—	—	28.14	32.45	35.31	42.38	51.91	56.94	64.46	71.68	80.01	88.32	102.16	45
13.11	17.37	20.75	22.98	27.17	31.34	34.11	36.88	41.03	47.95	52.09	54.86	61.76	71.15	76.11	83.56	90.74	99.01	107.28	121.07	46
11.36	15.70	19.11	21.36	25.57	29.75	32.53	35.31	39.47	46.39	50.54	53.31	60.21	69.60	74.57	82.03	89.20	97.48	105.75	119.54	47
—	13.51	16.99	19.27	23.51	27.71	30.51	33.29	37.47	44.40	48.56	51.33	58.24	67.64	72.61	80.07	87.24	95.52	103.80	117.59	48
—	—	—	14.50	18.91	23.22	26.06	28.88	33.10	40.08	44.25	47.03	53.97	63.39	68.37	75.84	83.02	91.31	99.60	113.40	49
13.22	17.49	20.87	23.11	27.29	31.46	34.24	37.01	41.16	48.08	52.23	54.99	61.89	71.28	76.25	83.70	90.87	99.14	107.42	121.21	50
—	—	—	—	—	—	19.13	22.09	26.45	33.58	37.81	40.62	47.62	57.09	62.09	69.59	76.79	85.10	93.40	107.22	51
—	—	—	—	—	—	—	—	21.22	28.60	32.93	35.78	42.86	52.41	57.44	64.97	72.20	80.52	88.84	102.68	52
—	13.74	17.22	19.51	23.75	27.96	30.76	33.55	37.72	44.66	48.82	51.59	58.50	67.90	72.87	80.33	87.51	95.79	104.07	117.86	53
11.58	15.94	19.35	21.61	25.82	30.00	32.79	35.56	39.73	46.65	50.80	53.57	60.48	69.87	74.84	82.29	89.47	97.74	106.02	119.81	54
—	—	—	—	—	—	—	—	—	—	27.80	30.74	37.97	47.64	52.71	60.28	67.54	75.90	84.24	98.12	55
—	—	—	—	—	—	—	—	—	—	—	—	32.86	42.73	47.87	55.51	62.82	71.23	79.60	93.51	56
11.69	16.06	19.47	21.73	25.94	30.13	32.91	35.69	39.85	46.78	50.93	53.70	60.61	70.00	74.97	82.43	89.60	97.88	106.15	119.94	57
—	—	—	—	—	—	19.58	22.55	26.92	34.06	38.30	41.11	48.12	57.60	62.60	70.10	77.31	85.62	93.92	107.74	58
—	—	—	14.94	19.38	23.70	26.54	29.37	33.59	40.58	44.76	47.54	54.49	63.91	68.89	76.36	83.55	91.84	100.13	113.93	59
—	—	—	—	—	—	—	—	21.66	29.07	33.40	36.26	43.35	52.91	57.94	65.47	72.71	81.04	89.36	103.20	60
—	13.97	17.46	19.75	24.00	28.21	31.01	33.80	37.97	44.92	49.08	51.85	58.76	68.17	73.14	80.60	87.77	96.06	104.33	118.13	61
—	—	—	—	—	—	—	—	—	23.73	28.25	31.20	38.44	48.12	53.20	60.78	68.05	76.41	84.75	98.63	62
11.81	16.18	19.59	21.85	26.07	30.25	33.04	35.82	39.98	46.91	51.06	53.83	60.74	70.13	75.11	82.56	89.73	98.01	106.29	120.08	63
—	—	—	15.17	19.61	23.93	26.78	29.61	33.84	40.83	45.01	47.80	54.74	64.17	69.15	76.63	83.81	92.10	100.39	114.20	64
—	14.19	17.69	19.99	24.24	28.46	31.26	34.05	38.23	45.17	49.33	52.10	59.03	68.43	73.40	80.86	88.04	96.32	104.60	118.40	65

Table No. 1

Line No.	Ratio	Sprocket Combination				Driven Speed and Horsepower													
						1750 RPM Driver						1160 RPM Driver							
		Driver		Driven			HP per Belt Width						HP per Belt Width						
		No. Teeth	Pitch Dia.	No. Teeth	Pitch Dia.	Driven RPM	40	55	85	115	170	Driven RPM	40	55	85	115	170	966	1190
																		Multiply HP Ratings by BELT LENGTH FACTOR →	.80
1	3.00	48	8.4216	144	25.2648	583	45.34	68.11	113.64	159.18	242.66	386	38.39	57.42	95.47	133.52	203.29	—	—
2	3.00	56	9.8252	168	29.4756	583	49.90 ▲	75.18	125.73	176.28	268.97	386	43.89 ▲	65.71	109.33	152.95	232.93	—	—
3	3.00	64	11.2288	192	33.6864	583	53.42 ▲	80.79	135.52	190.26	290.60	386	49.12 ▲	73.61	122.59	171.56	261.35	—	—
4	3.00	72	12.6324	216	37.8972	583	55.83 ▲	84.83	142.84	200.85	307.20	386	54.07 ▲	81.12	135.22	189.33	288.52	—	—
5	3.10	29	5.0880	90	15.7905	564	23.30 •	34.86 •	57.99 •	81.13 •	—	374	18.45	27.56	45.77	63.99	—	—	—
6	3.11	36	6.3162	112	19.6504	562	35.49	53.15	88.47	123.79	188.54	372	28.67	42.83	71.16	99.49	151.43	—	—
7	3.18	68	11.9306	216	37.8972	550	54.77 ▲	83.02	139.51	196.00	299.56	364	51.63 ▲	77.42	128.99	180.56	275.11	—	—
8	3.20	60	10.5270	192	33.6864	546	51.79 ▲	78.17	130.92	183.67	280.38	362	46.54 ▲	69.70	116.03	162.35	247.28	—	—
9	3.21	28	4.9126	90	15.7905	545	21.67 •	32.43 •	53.94 •	75.45 •	—	361	17.12	25.56	42.46	59.36	—	—	—
10	3.23	52	9.1234	168	29.4756	541	47.76 ▲	71.83	119.99	168.15	256.43	359	41.19 ▲	61.62	102.50	143.37	218.31	—	—
11	3.27	44	7.7198	144	25.2648	535	42.48	63.74	106.25	148.76	226.69	354	35.37	52.87	87.89	122.90	187.09	—	—
12	3.29	34	5.9653	112	19.6504	531	31.88	47.73	79.42	111.12	—	352	25.60	38.25	63.54	88.83	—	—	—
13	3.37	64	11.2288	216	37.8972	519	53.42 ▲	80.79	135.52	190.26	290.60	344	49.12 ▲	73.61	122.59	171.56	261.35	—	—
14	3.43	56	9.8252	192	33.6864	510	49.90 ▲	75.18	125.73	176.28	268.97	338	43.89 ▲	65.71	109.33	152.95	232.93	—	—
15	3.50	32	5.6144	112	19.6504	500	28.36	42.45	70.63	98.81	—	331	22.65	33.83	56.20	78.57	—	—	—
16	3.50	48	8.4216	168	29.4756	500	45.34 ▲	68.11	113.64	159.18	242.66	331	38.39 ▲	57.42	95.47	133.52	203.29	—	—
17	3.60	40	7.0180	144	25.2648	486	39.44	59.11	98.46	137.80	209.94	322	32.32	48.30	80.26	112.23	170.82	—	—
18	3.60	60	10.5270	216	37.8972	486	51.79 ▲	78.17	130.92	183.67	280.38	322	46.54 ▲	69.70	116.03	162.35	247.28	—	—
19	3.69	52	9.1234	192	33.6864	474	47.76 ▲	71.83	119.99	168.15	256.43	314	41.19 ▲	61.62	102.50	143.37	218.31	—	—
20	3.73	30	5.2635	112	19.6504	469	24.95 •	37.35 •	62.13 •	86.91 •	—	310	19.82	29.60	49.17	68.74	—	—	—
21	3.79	38	6.6671	144	25.2648	461	37.86	56.72	94.43	132.14	201.28	306	30.79	46.00	76.44	106.87	162.67	—	—
22	3.82	44	7.7198	168	29.4756	458	42.48 ▲	63.74	106.25	148.76	226.69	303	35.37 ▲	52.87	87.89	122.90	187.09	—	—
23	3.86	29	5.0880	112	19.6504	453	23.30 •	34.86 •	57.99 •	81.13 •	—	300	18.45	27.56	45.77	63.99	—	—	—
24	3.86	56	9.8252	216	37.8972	453	49.90 ▲	75.18	125.73	176.28	268.97	300	43.89 ▲	65.71	109.33	152.95	232.93	—	—
25	4.00	28	4.9126	112	19.6504	437	21.67 •	32.43 •	53.94 •	75.45 •	—	290	17.12	25.56	42.46	59.36	—	—	—
26	4.00	36	6.3162	144	25.2648	437	35.49	53.15	88.47	123.79	188.54	290	28.67	42.83	71.16	99.49	151.43	—	—
27	4.00	48	8.4216	192	33.6864	437	45.34 ▲	68.11	113.64	159.18	242.66	290	38.39 ▲	57.42	95.47	133.52	203.29	—	—
28	4.15	52	9.1234	216	37.8972	421	47.76 ▲	71.83	119.99	168.15	256.43	279	41.19 ▲	61.62	102.50	143.37	218.31	—	—
29	4.20	40	7.0180	168	29.4756	416	39.44 ▲	59.11	98.46	137.80	209.94	276	32.32 ▲	48.30	80.26	112.23	170.82	—	—
30	4.24	34	5.9653	144	25.2648	412	31.88	47.73	79.42	111.12	—	273	25.60	38.25	63.54	88.83	—	—	—
31	4.36	44	7.7198	192	33.6864	401	42.48 ▲	63.74	106.25	148.76	226.69	266	35.37 ▲	52.87	87.89	122.90	187.09	—	—
32	4.42	38	6.6671	168	29.4756	395	37.86 ▲	56.72	94.43	132.14	201.28	262	30.79 ▲	46.00	76.44	106.87	162.67	—	—
33	4.50	32	5.6144	144	25.2648	388	28.36	42.45	70.63	98.81	—	257	22.65	33.83	56.20	78.57	—	—	—
34	4.50	48	8.4216	216	37.8972	388	45.34 ▲	68.11	113.64	159.18	242.66	257	38.39 ▲	57.42	95.47	133.52	203.29	—	—
35	4.67	36	6.3162	168	29.4756	374	35.49 ▲	53.15	88.47	123.79	188.54	248	28.67 ▲	42.83	71.16	99.49	151.43	—	—
36	4.80	30	5.2635	144	25.2648	364	24.95 •	37.35 •	62.13 •	86.91 •	—	241	19.82	29.60	49.17	68.74	—	—	—
37	4.80	40	7.0180	192	33.6864	364	39.44 ▲	59.11	98.46	137.80	209.94	241	32.32 ▲	48.30	80.26	112.23	170.82	—	—
38	4.91	44	7.7198	216	37.8972	356	42.48 ▲	63.74	106.25	148.76	226.69	236	35.37 ▲	52.87	87.89	122.90	187.09	—	—
39	4.94	34	5.9653	168	29.4756	354	31.88 ▲	47.73	79.42	111.12	—	234	25.60 ▲	38.25	63.54	88.83	—	—	—
40	4.97	29	5.0880	144	25.2648	352	23.30 •	34.86 •	57.99 •	81.13 •	—	233	18.45	27.56	45.77	63.99	—	—	—
41	5.05	38	6.6671	192	33.6864	346	37.86 ▲	56.72	94.43	132.14	201.28	229	30.79 ▲	46.00	76.44	106.87	162.67	—	—
42	5.14	28	4.9126	144	25.2648	340	21.67 •	32.43 •	53.94 •	75.45 •	—	225	17.12	25.56	42.46	59.36	—	—	—
43	5.25	32	5.6144	168	29.4756	333	28.36 ▲	42.45	70.63	98.81	—	220	22.65 ▲	33.83	56.20	78.57	—	—	—
44	5.33	36	6.3162	192	33.6864	328	35.49 ▲	53.15	88.47	123.79	188.54	217	28.67 ▲	42.83	71.16	99.49	151.43	—	—
45	5.40	40	7.0180	216	37.8972	324	39.44 ▲	59.11	98.46	137.80	209.94	214	32.32 ▲	48.30	80.26	112.23	170.82	—	—
46	5.60	30	5.2635	168	29.4756	312	24.95 ■	37.35 •	62.13 •	86.91 •	—	207	19.82 ▲	29.60	49.17	68.74	—	—	—
47	5.65	34	5.9653	192	33.6864	309	31.88 ▲	47.73	79.42	111.12	—	205	25.60 ▲	38.25	63.54	88.83	—	—	—
48	5.68	38	6.6671	216	37.8972	308	37.86 ▲	56.72	94.43	132.14	201.28	204	30.79 ▲	46.00	76.44	106.87	162.67	—	—
49	5.79	29	5.0880	168	29.4756	302	23.30 ■	34.86 •	57.99 •	81.13 •	—	200	18.45 ▲	27.56	45.77	63.99	—	—	—
50	6.00	28	4.9126	168	29.4756	291	21.67 ■	32.43 •	53.94 •	75.45 •	—	193	17.12 ▲	25.56	42.46	59.36	—	—	—
51	6.00	32	5.6144	192	33.6864	291	28.36 ▲	42.45	70.63	98.81	—	193	22.65 ▲	33.83	56.20	78.57	—	—	—
52	6.00	36	6.3162	216	37.8972	291	35.49 ▲	53.15	88.47	123.79	188.54	193	28.67 ▲	42.83	71.16	99.49	151.43	—	—
53	6.35	34	5.9653	216	37.8972	275	31.88 ▲	47.73	79.42	111.12	—	182	25.60 ▲	38.25	63.54	88.83	—	—	—
54	6.40	30	5.2635	192	33.6864	273	24.95 ■	37.35 •	62.13 •	86.91 •	—	181	19.82 ▲	29.60	49.17	68.74	—	—	—
55	6.62	29	5.0880	192	33.6864	264	23.30 ■	34.86 •	57.99 •	81.13 •	—	175	18.45 ▲	27.56	45.77	63.99	—	—	—
56	6.75	32	5.6144	216	37.8972	259	28.36 ▲	42.45	70.63	98.81	—	171	22.65 ▲	33.83	56.20	78.57	—	—	—
57	6.86	28	4.9126	192	33.6864	255	21.67 ■	32.43 •	53.94 •	75.45 •	—	169	17.12 ▲	25.56	42.46	59.36	—	—	—
58	7.20	30	5.2635	216	37.8972	243	24.95 ■	37.35 •	62.13 •	86.91 •	—	161	19.82 ▲	29.60	49.17	68.74	—	—	—
59	7.45	29	5.0880	216	37.8972	234	23.30 ■	34.86 •	57.99 •	81.13 •	—	155	18.45 ▲	27.56	45.77	63.99	—	—	—
60	7.71	28	4.9126	216	37.8972	226	21.67 ■	32.43 •	53.94 •	75.45 •	—	150	17.12 ▲	25.56	42.46	59.36	—	—	—

• This drive should be used only if a reduction in belt life is acceptable.
▲ Driven sprocket is not available for belt width indicated; use next wider sprocket.
■ Both above notes apply.

Nominal Center Distances in Inches for Various Belt Lengths																					Line No.
1400	1610	1778	1890	2100	2310	2450	2590	2800	3150	3360	3500	3850	4326	4578	4956	5320	5740	6160	6860	
.90		.95		1.00			1.05			1.10										
—	—	—	—	—	—	20.03	23.01	27.38	34.54	38.78	41.60	48.61	58.10	63.11	70.61	77.83	86.14	94.44	108.27	1
—	—	—	—	—	—	—	—	22.10	29.53	33.87	36.73	43.84	53.40	58.44	65.98	73.21	81.55	89.87	103.72	2
—	—	—	—	—	—	—	—	—	24.17	28.70	31.65	38.91	48.60	53.69	61.27	68.55	76.91	85.26	99.15	3
—	—	—	—	—	—	—	—	—	—	—	26.22	33.77	43.67	48.82	56.48	63.81	72.22	80.60	94.53	4
—	14.31	17.81	20.10	24.36	28.58	31.38	34.18	38.36	45.30	49.46	52.23	59.16	68.56	73.53	80.99	88.17	96.45	104.73	118.53	5
—	—	—	15.39	19.84	24.17	27.02	29.86	34.08	41.08	45.27	48.05	55.00	64.43	69.41	76.89	84.08	92.37	100.66	114.46	6
—	—	—	—	—	—	—	—	—	—	—	26.66	34.22	44.14	49.30	56.97	64.30	72.72	81.11	95.04	7
—	—	—	—	—	—	—	—	—	24.60	29.15	32.11	39.38	49.09	54.17	61.77	69.05	77.42	85.77	99.66	8
—	14.42	17.92	20.22	24.48	28.71	31.51	34.30	38.48	45.43	49.59	52.36	59.29	68.69	73.67	81.13	88.31	96.59	104.87	118.66	9
—	—	—	—	—	—	—	—	22.54	29.99	34.34	37.21	44.32	53.90	58.94	66.48	73.72	82.06	90.39	104.24	10
—	—	—	—	—	17.40	20.47	23.46	27.85	35.02	39.27	42.09	49.11	58.61	63.62	71.13	78.34	86.66	94.96	108.79	11
—	—	13.13	15.61	20.07	24.41	27.26	30.10	34.33	41.33	45.52	48.31	55.26	64.69	69.67	77.15	84.34	92.63	100.92	114.73	12
—	—	—	—	—	—	—	—	—	—	—	27.09	34.67	44.60	49.77	57.45	64.79	73.21	81.61	95.55	13
—	—	—	—	—	—	—	—	—	25.04	29.59	32.56	39.85	49.57	54.66	62.26	69.55	77.92	86.28	100.17	14
—	—	13.35	15.83	20.30	24.64	27.50	30.34	34.57	41.58	45.77	48.56	55.51	64.95	69.93	77.41	84.60	92.89	101.18	114.99	15
—	—	—	—	—	—	—	—	22.98	30.44	34.80	37.68	44.80	54.39	59.44	66.98	74.23	82.57	90.90	104.76	16
—	—	—	—	—	17.83	20.91	23.91	28.31	35.49	39.75	42.58	49.61	59.11	64.13	71.64	78.86	87.17	95.48	109.32	17
—	—	—	—	—	—	—	—	—	—	—	27.52	35.12	45.07	50.24	57.93	65.28	73.71	82.11	96.05	18
—	—	—	—	—	—	—	—	—	25.47	30.04	33.02	40.32	50.05	55.15	62.75	70.04	78.43	86.79	100.69	19
—	—	13.56	16.05	20.53	24.88	27.74	30.58	34.82	41.83	46.02	48.81	55.77	65.20	70.19	77.67	84.86	93.16	101.45	115.26	20
—	—	—	—	—	18.04	21.13	24.14	28.54	35.73	40.00	42.82	49.85	59.36	64.38	71.89	79.11	87.43	95.74	109.58	21
—	—	—	—	—	—	—	—	23.42	30.90	35.27	38.15	45.28	54.88	59.93	67.48	74.73	83.08	91.41	105.28	22
—	—	13.67	16.16	20.64	24.99	27.86	30.70	34.94	41.96	46.15	48.94	55.89	65.33	70.32	77.80	84.99	93.29	101.58	115.39	23
—	—	—	—	—	—	—	—	—	—	24.78	27.96	35.57	45.54	50.72	58.41	65.77	74.20	82.61	96.56	24
—	—	13.78	16.27	20.75	25.11	27.98	30.82	35.06	42.08	46.27	49.06	56.02	65.46	70.45	77.93	85.12	93.42	101.71	115.52	25
—	—	—	—	—	18.26	21.35	24.36	28.77	35.97	40.24	43.07	50.10	59.61	64.63	72.15	79.37	87.69	96.00	109.84	26
—	—	—	—	—	—	—	—	—	25.91	30.49	33.47	40.78	50.53	55.63	63.24	70.54	78.93	87.29	101.20	27
—	—	—	—	—	—	—	—	—	—	25.20	28.39	36.02	46.00	51.19	58.89	66.25	74.70	83.10	97.06	28
—	—	—	—	—	—	—	19.11	23.85	31.36	35.73	38.62	45.76	55.37	60.43	67.98	75.24	83.59	91.93	105.80	29
—	—	—	—	—	18.47	21.57	24.58	29.00	36.21	40.48	43.31	50.35	59.86	64.89	72.40	79.62	87.95	96.26	110.10	30
—	—	—	—	—	—	—	—	—	26.34	30.93	33.92	41.24	51.00	56.11	63.73	71.03	79.43	87.80	101.71	31
—	—	—	—	—	—	—	19.32	24.07	31.58	35.97	38.86	46.00	55.62	60.68	68.23	75.49	83.85	92.18	106.05	32
—	—	—	—	—	18.69	21.79	24.81	29.23	36.45	40.72	43.55	50.59	60.11	65.14	72.66	79.88	88.21	96.52	110.36	33
—	—	—	—	—	—	—	—	—	—	25.63	28.82	36.47	46.47	51.66	59.37	66.74	75.19	83.60	97.57	34
—	—	—	—	—	—	—	19.53	24.29	31.81	36.20	39.09	46.24	55.86	60.92	68.48	75.74	84.10	92.44	106.31	35
—	—	—	—	—	18.90	22.01	25.03	29.46	36.68	40.96	43.79	50.84	60.36	65.39	72.91	80.14	88.46	96.78	110.62	36
—	—	—	—	—	—	—	—	—	26.77	31.37	34.37	41.71	51.48	56.60	64.22	71.53	79.93	88.30	102.22	37
—	—	—	—	—	—	—	—	—	—	26.05	29.25	36.91	46.93	52.13	59.85	67.22	75.68	84.10	98.07	38
—	—	—	—	—	—	—	19.74	24.51	32.04	36.43	39.32	46.48	56.11	61.17	68.73	75.99	84.35	92.69	106.57	39
—	—	—	—	—	19.01	22.12	25.14	29.58	36.80	41.08	43.91	50.96	60.49	65.51	73.04	80.26	88.59	96.91	110.75	40
—	—	—	—	—	—	—	—	—	26.99	31.60	34.60	41.94	51.72	56.84	64.47	71.78	80.18	88.55	102.47	41
—	—	—	—	—	19.12	22.23	25.26	29.69	36.92	41.20	44.03	51.09	60.61	65.64	73.16	80.39	88.72	97.04	110.88	42
—	—	—	—	—	—	—	19.95	24.72	32.27	36.66	39.56	46.72	56.35	61.41	68.98	76.25	84.61	92.95	106.83	43
—	—	—	—	—	—	—	—	—	27.21	31.82	34.82	42.17	51.96	57.08	64.17	72.02	80.43	88.80	102.73	44
—	—	—	—	—	—	—	—	—	—	26.47	29.68	37.36	47.39	52.60	60.33	67.71	76.17	84.59	98.57	45
—	—	—	—	—	—	—	20.16	24.94	32.49	36.89	39.79	46.96	56.59	61.66	69.23	76.50	84.86	93.20	107.09	46
—	—	—	—	—	—	—	—	—	27.42	32.04	35.04	42.40	52.19	57.32	64.95	72.27	80.68	89.06	102.98	47
—	—	—	—	—	—	—	—	—	—	26.68	29.89	37.58	47.62	52.83	60.57	67.95	76.41	84.84	98.82	48
—	—	—	—	—	—	—	20.27	25.05	32.61	37.01	39.91	47.08	56.72	61.78	69.36	76.62	84.99	93.33	107.21	49
—	—	—	—	—	—	—	20.37	25.16	32.72	37.12	40.02	47.20	56.84	61.91	69.48	76.75	85.11	93.46	107.34	50
—	—	—	—	—	—	—	—	—	27.64	32.26	35.27	42.63	52.43	57.56	65.20	72.52	80.92	89.31	103.23	51
—	—	—	—	—	—	—	—	—	—	26.90	30.11	37.80	47.85	53.07	60.80	68.19	76.66	85.09	99.07	52
—	—	—	—	—	—	—	—	—	—	27.11	30.32	38.03	48.08	53.30	61.04	68.43	76.90	85.34	99.32	53
—	—	—	—	—	—	—	—	—	27.85	32.48	35.49	42.86	52.67	57.80	65.44	72.76	81.17	89.56	103.49	54
—	—	—	—	—	—	—	—	19.70	27.96	32.59	35.60	42.98	52.79	57.92	65.56	72.88	81.30	89.68	103.62	55
—	—	—	—	—	—	—	—	—	22.23	27.32	30.54	38.25	48.31	53.53	61.28	68.67	77.15	85.58	99.58	56
—	—	—	—	—	—	—	—	19.81	28.07	32.70	35.72	43.09	52.90	58.04	65.68	73.01	81.42	89.81	103.74	57
—	—	—	—	—	—	—	—	—	22.44	27.53	30.75	38.47	48.54	53.77	61.52	68.91	77.39	85.83	99.83	58
—	—	—	—	—	—	—	—	—	22.54	27.63	30.86	38.58	48.66	53.88	61.64	69.03	77.51	85.95	99.95	59
—	—	—	—	—	—	—	—	—	22.64	27.74	30.97	38.69	48.77	54.00	61.75	69.15	77.64	86.08	100.08	60

STOCK GEARS

OVER 9500 ITEMS HELP YOU GEAR UP FOR HIGHER PRODUCTIVITY

BROWNING is one of the most comprehensive lines of off-the-shelf gears in the industry, including spur, miter and bevel, and change gears. These are available in 20° pressure angle from 20 to 4 dp, and 14 1/2° pressure angle from 48 to 3 dp ... all designed to increase output, reduce costs and avoid specials.

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- More stock sizes made of steel ... you get weldability plus greater strength, at cast iron prices.
- Extra tooth depth and larger radii provide stronger teeth, a deeper lubrication reservoir and more clearance.
- Many bevel gears are available hardened for longer life.
- Many odd-tooth sizes.
- Custom gear capabilities — up to 60" dia. and 17" face.

All BROWNING® gears meet AGMA quality standards and our own close manufacturing tolerances. Gear up with BROWNING to increase your productivity!

Spur gear and pinion, bushing type

Bevel gears

Bushing type Spur gear and rack

STOCK GEARS

SPUR GEARS

Type	Material	Pressure Angle	Pitch Range	Tooth Range	Bore Range
Spur, Min. Bore (Fine Pitch)	Steel	14 1/2°	32, 24, 20	11-200	3/32-1
Spur, Min. Bore	Steel & Cast Iron	14 1/2	16,12,10,8,6,5,4,3	11-200	3/8 - 3 5/8
Spur, Fin. Bore			20,16,12,10,8,6	11-35	1/4 - 1 1/4
Spur, Bushing Type			16,12,10,8,6,5,4,3	15-200	3/8 - 4 1/4
Spur, Min. Bore	Steel & Cast Iron	20	20,16,12,10,8,6,5,4,	12-240	5/16 - 3 5/8
Spur, Fin. Bore			20,16,12,10,8,6	12-40	1/4 - 1 1/4
Spur, Bushing Type			16,12,10,8,6,5,4	18-240	3/8 - 4 1/4
Spur, Change Gear	Steel	14 1/2	20,16,12,10,8	20-129	5/8 - 1 3/8**
Rack	Steel	14 1/2	32,24,20,16,12,10,8,6,5,4,3	-	-
	Steel	20	20,16,12,10,8,6,5,4	-	-
Spur, Min. Bore	Non-metallic	14 1/2	16,12,10,8,6,5,	12-96	3/8 - 2 1/4
		20	16,12,8	15-24	3/8 - 1 3/4

BEVEL AND MITER GEARS

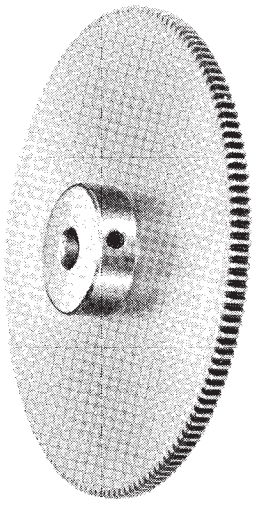
Type	Material	Pressure Angle	Pitch Range	Tooth Range	Bore Range
Bevel	Unhardened Steel	20	20,16,12,10,8,6,5,4,3	10-96	3/16 - 3
Miter	Hardened & Unhardened Steel	20	32,24,20,16,12, 10,8,6,5,4	12-32	3/16 - 3
Spiral Bevel	Hardened Steel	20	14,10,8	16-34	1/2 - 1 1/2
Spiral Miter			12,10,8,7,6,5	15-28	1/2 - 1 3/8

** Bushing bore range is 7/16 - 1 1/16.

***NEW!* Expanded MTO Gear Rack Capability**

- From 1 DP to 64 DP
- Metric Module Pitch
- Face Widths to 18" (450 mm)
- Thickness to 18" (450 mm)
- Maximum width 23" (554 mm)
- 14 1/2, 20 25° P.A.
- Additional Steels
- Up to AGMA Call 11 Spacing Accuracy
- Up to any practical length
- Round and helical gear rack

32 Pitch 3/16" Face 14 1/2° Pressure Angle



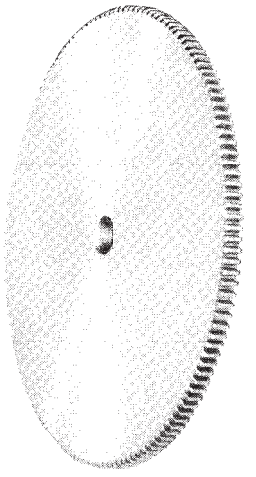


Table No. 2

Stock Steel Minimum Bore Spur Gears

Part No.	Diameter		No. Teeth	Type	Bore		Dimensions				Wt. Lbs.
	Pitch	Nominal O.D.			Stock	Max.	F	L	P	H	
NSS3215	.469"	.53"	15	2	3/16"	3/16"	3/16"	1/2"	5/16"	3/8"	.03
NSS3216A	.500	.56	16	A2	3/16	—	3/16	—	—	—	.03
NSS3216	.500	.56	16	2	3/16	3/16	3/16	1/2	5/16	13/32	.03
NSS3218	.562	.62	18	2	3/16	3/16	3/16	1/2	5/16	15/32	.03
NSS3220A	.625	.68	20	A2	1/4	—	3/16	—	—	—	.03
NSS3220	.625	.68	20	2	1/4	1/4	3/16	1/2	5/16	17/32	.03
NSS3222A	.688	.75	22	A2	1/4	—	3/16	—	—	—	.03
NSS3222	.688	.75	22	2	1/4	1/4	3/16	1/2	5/16	19/32	.03
NSS3224A	.750	.81	24	A2	5/16	—	3/16	—	—	—	.03
NSS3224	.750	.81	24	2	5/16	5/16	3/16	1/2	5/16	21/32	.06
NSS3226	.812	.87	26	2	5/16	3/8	3/16	1/2	5/16	23/32	.06
NSS3228A	.875	.93	28	A2	3/8	—	3/16	—	—	—	.06
NSS3228	.875	.93	28	2	5/16	3/8	3/16	1/2	5/16	3/4	.09
NSS3230	.938	1.00	30	2	5/16	3/8	3/16	1/2	5/16	3/4	.09
NSS3232A	1.000	1.06	32	A2	3/8	—	3/16	—	—	—	.06
NSS3232	1.000	1.06	32	2	5/16	3/8	3/16	9/16	3/8	3/4	.13
NSS3240A	1.250	1.31	40	A2	3/8	—	3/16	—	—	—	.13
NSS3240	1.250	1.31	40	2	3/8	7/16	3/16	9/16	3/8	7/8	.19
NSS3248A	1.500	1.56	48	A2	3/8	—	3/16	—	—	—	.13
NSS3248	1.500	1.56	48	2	3/8	7/16	3/16	9/16	3/8	7/8	.19
NSS3256A	1.750	1.81	56	A2	3/8	—	3/16	—	—	—	.13
NSS3256	1.750	1.81	56	2	3/8	1/2	3/16	9/16	3/8	1	.25
NSS3264A	2.000	2.06	64	A2	3/8	—	3/16	—	—	—	.19
NSS3264	2.000	2.06	64	2	3/8	1/2	3/16	9/16	3/8	1	.31
NSS3280A	2.500	2.56	80	A2	3/8	—	3/16	—	—	—	.25
NSS3280	2.500	2.56	80	2	3/8	9/16	3/16	9/16	3/8	1 1/8	.38
NSS3296A	3.000	3.06	96	A2	3/8	—	3/16	—	—	—	.38
NSS3296	3.000	3.06	96	2	3/8	9/16	3/16	11/16	1/2	1 1/4	.56
NSS32128	4.000	4.06	128	2	3/8	11/16	3/16	11/16	1/2	1 3/8	.88
NSS32160	5.000	5.06	160	2	3/8	11/16	3/16	11/16	1/2	1 3/8	1.3
NSS32192	6.000	6.06	192	2	3/8	13/16	3/16	13/16	5/8	1 1/2	1.8
NSS32200	6.250	6.31	200	2	3/8	13/16	3/16	13/16	5/8	1 1/2	1.9

Note: All of above Gears have one Hollow Head Setscrew in Hub, except Type A2 which have no Setscrew.

F

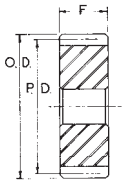
24 Pitch 1/4" Face 14 1/2° Pressure Angle

Table No. 1

Stock Steel Minimum Bore Spur Gears

Part No.	Diameter		No. Teeth	Type	Bore		Dimensions				Wt. Lbs.
	Pitch	Nominal O.D.			Stock	Max.	F	L	P	H	
NSS2412A	.500"	.58"	12	A2	1/4	—	1/4"	—	—	—	.03
NSS2412	.500	.58	12	2	1/4	1/4"	1/4	9/16	5/16	3/8"	.06
NSS2414	.583	.66	14	2	1/4	1/4	1/4	9/16	5/16	15/32	.06
NSS2415A	.625	.70	15	A2	1/4	—	1/4	—	—	—	.03
NSS2415	.625	.70	15	2	1/4	1/4	1/4	9/16	5/16	1/2	.06
NSS2416A	.667	.75	16	A2	5/16	—	1/4	—	—	—	.03
NSS2416	.667	.75	16	2	5/16	5/16	1/4	9/16	5/16	35/64	.06
NSS2418A	.750	.83	18	A2	5/16	—	1/4	—	—	—	.03
NSS2418	.750	.83	18	2	5/16	3/8	1/4	9/16	5/16	5/8	.06
NSS2419	.792	.87	19	2	5/16	3/8	1/4	9/16	5/16	21/32	.06
NSS2420	.833	.91	20	2	5/16	3/8	1/4	9/16	5/16	23/32	.06
NSS2421A	.875	.95	21	A2	3/8	—	1/4	—	—	—	.03
NSS2421	.875	.95	21	2	3/8	1/2	1/4	9/16	5/16	3/4	.06
NSS2422	.917	1.00	22	2	3/8	1/2	1/4	9/16	5/16	25/32	.09
NSS2423	.958	1.04	23	2	3/8	1/2	1/4	5/8	3/8	13/16	.09
NSS2424A	1.000	1.08	24	A2	1/2	—	1/4	—	—	—	.06
NSS2424	1.000	1.08	24	2	3/8	1/2	1/4	5/8	3/8	7/8	.13
NSS2425	1.042	1.12	25	2	3/8	9/16	1/4	5/8	3/8	7/8	.13
NSS2426	1.083	1.16	26	2	3/8	9/16	1/4	5/8	3/8	7/8	.13
NSS2427	1.125	1.20	27	2	3/8	9/16	1/4	5/8	3/8	7/8	.13
NSS2428	1.167	1.25	28	2	3/8	5/8	1/4	5/8	3/8	1	.13
NSS2430A	1.250	1.33	30	A2	1/2	—	1/4	—	—	—	.06
NSS2430	1.250	1.33	30	2	3/8	5/8	1/4	5/8	3/8	1	.13
NSS2432	1.333	1.41	32	2	3/8	5/8	1/4	5/8	3/8	1 1/8	.13
NSS2433	1.375	1.45	33	2	3/8	5/8	1/4	5/8	3/8	1 1/8	.13
NSS2436A	1.500	1.58	36	A2	1/2	—	1/4	—	—	—	.06
NSS2436	1.500	1.58	36	2	3/8	5/8	1/4	5/8	3/8	1 1/8	.19
NSS2439	1.625	1.70	39	2	3/8	5/8	1/4	5/8	3/8	1 1/8	.19
NSS2440	1.667	1.75	40	2	3/8	5/8	1/4	5/8	3/8	1 1/8	.19
NSS2442A	1.750	1.83	42	A2	1/2	—	1/4	—	—	—	.13
NSS2442	1.750	1.83	42	2	3/8	5/8	1/4	5/8	3/8	1 1/8	.19
NSS2444	1.833	1.91	44	2	3/8	5/8	1/4	5/8	3/8	1 1/4	.25
NSS2445	1.875	1.95	45	2	3/8	5/8	1/4	5/8	3/8	1 1/4	.25
NSS2448A	2.000	2.08	48	A2	1/2	—	1/4	—	—	—	.19
NSS2448	2.000	2.08	48	2	3/8	5/8	1/4	5/8	3/8	1 1/4	.25
NSS2454	2.250	2.33	54	2	3/8	5/8	1/4	5/8	3/8	1 1/4	.31
NSS2456	2.333	2.41	56	2	3/8	5/8	1/4	5/8	3/8	1 1/4	.38
NSS2460A	2.500	2.58	60	A2	1/2	—	1/4	—	—	—	.31
NSS2460	2.500	2.58	60	2	3/8	5/8	1/4	5/8	3/8	1 1/4	.38
NSS2464	2.667	2.75	64	2	1/2	3/4	1/4	5/8	3/8	1 3/8	.44
NSS2466	2.750	2.83	66	2	1/2	3/4	1/4	5/8	3/8	1 3/8	.5
NSS2470	2.917	3.00	70	2	1/2	3/4	1/4	5/8	3/8	1 3/8	.56
NSS2472A	3.000	3.08	72	A2	1/2	—	1/4	—	—	—	.5
NSS2472	3.000	3.08	72	2	1/2	3/4	1/4	3/4	1/2	1 3/8	.63
NSS2484	3.500	3.58	84	2	1/2	3/4	1/4	3/4	1/2	1 1/2	.81
NSS2496	4.000	4.08	96	2	1/2	3/4	1/4	3/4	13/32	1 1/2	1.0
NSS24120	5.000	5.08	120	2	1/2	3/4	1/4	3/4	13/32	1 1/2	1.5
NSS24144	6.000	6.08	144	2	1/2	7/8	1/4	7/8	17/32	1 5/8	2.3

Note: All of above Gears have One Hollow Head Setscrew in Hub, except type A2 gears which have no hubs and NSS2412 and NSS2414 which have One #35 (.110") Drilled Hole thru one wall of Hub.



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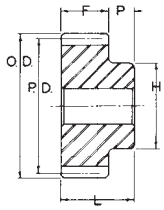

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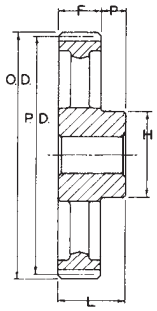

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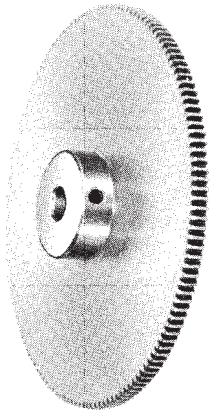


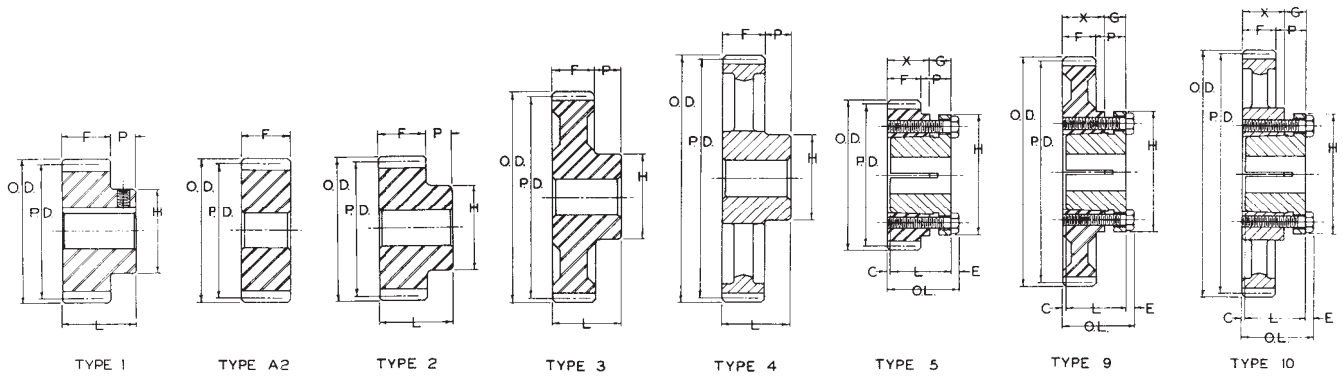
20 Pitch 3/8" Face 14 1/2° Pressure Angle

Table No. 1

Stock Steel Minimum Bore Spur Gears

Part No.	Diameter		No. Teeth	Type	Bore		Dimensions				Wt. Lbs.
	Pitch	Nominal O.D.			Stock	Max.	F	L	P	H	
NSS2011*	.600"	.70"	11	2	5/16"	5/16"	3/8"	3/4"	3/8"	29/64"	**.06**
NSS2012	.600	.70	12	2	5/16	5/16	3/8	3/4	3/8	29/64	**.06**
NSS2013	.650	.75	13	2	5/16	3/8	3/8	3/4	3/8	1/2	**.06**
NSS2014	.700	.80	14	2	5/16	3/8	3/8	3/4	3/8	35/64	**.06**
NSS2015	.750	.85	15	2	3/8	3/8	3/8	3/4	3/8	19/32	**.06**
NSS2016	.800	.90	16	2	3/8	7/16	3/8	3/4	3/8	21/32	**.12**
NSS2017	.850	.95	17	2	3/8	7/16	3/8	3/4	3/8	45/64	**.12**
NSS2018	.900	1.00	18	2	3/8	1/2	3/8	3/4	3/8	3/4	**.12**
NSS2019	.950	1.05	19	2	3/8	1/2	3/8	3/4	3/8	51/64	**.12**
NSS2020	1.000	1.10	20	2	3/8	1/2	3/8	3/4	3/8	27/32	**.12**
NSS2021	1.050	1.15	21	2	3/8	1/2	3/8	3/4	3/8	7/8	**.16**
NSS2022	1.100	1.20	22	2	3/8	9/16	3/8	3/4	3/8	61/64	**.19**
NSS2023	1.150	1.25	23	2	3/8	9/16	3/8	3/4	3/8	61/64	**.13**
NSS2024	1.200	1.30	24	2	3/8	9/16	3/8	3/4	3/8	**1 3/64**	**.13**
NSS2025	1.250	1.35	25	2	3/8	5/8	3/8	3/4	3/8	**1 3/32**	**.19**
NSS2028	1.400	1.50	28	2	3/8	5/8	3/8	3/4	3/8	**1 1/4**	**.25**
NSS2030	1.500	1.60	30	2	3/8	3/4	3/8	3/4	3/8	**1 11/32**	**.31**
NSS2032	1.600	1.70	32	2	3/8	3/4	3/8	7/8	1/2	**1 7/16**	**.38**
NSS2035	1.750	1.85	35	2	3/8	7/8	3/8	7/8	1/2	**1 9/16**	**.44**
NSS2036	1.800	1.90	36	2	3/8	7/8	3/8	7/8	1/2	**1 5/8**	**.5**
NSS2040	2.000	2.10	40	2	3/8	**1**	3/8	7/8	1/2	**1 13/16**	**.56**
NSS2045	2.250	2.35	45	2	3/8	**1**	3/8	7/8	1/2	**1 13/16**	**.63**
NSS2048	2.400	2.50	48	2	3/8	**1**	3/8	7/8	1/2	**1 13/16**	**.81**
NSS2050	2.500	2.60	50	2	3/8	**1**	3/8	7/8	1/2	**1 13/16**	**.88**
NSS2055	2.750	2.85	55	2	3/8	**1**	3/8	7/8	1/2	**1 13/16**	**.94**
NSS2060	3.000	3.10	60	2	3/8	**1**	3/8	7/8	1/2	**1 13/16**	**.94**
NSS2064	3.200	3.30	64	2	3/8	**1**	3/8	7/8	1/2	**1 13/16**	**1.0**
NSS2070	3.500	3.60	70	2	3/8	**1**	3/8	7/8	1/2	**1 13/16**	**1.2**
NSS2072	3.600	3.70	72	2	3/8	**1**	3/8	7/8	1/2	**1 13/16**	**1.3**
NSS2075	3.750	3.85	75	2	3/8	**1**	3/8	7/8	1/2	**1 13/16**	**1.4**
NSS2080	4.000	4.10	80	2	1/2	**1**	3/8	7/8	1/2	**1 13/16**	**1.5**
NSS2084	4.200	4.30	84	2	1/2	**1**	3/8	7/8	1/2	**1 13/16**	**1.8**
NSS2090	4.500	4.60	90	2	1/2	**1**	3/8	7/8	1/2	**1 13/16**	**2.0**
NSS2096	4.800	4.90	96	2	1/2	**1**	3/8	7/8	1/2	**1 13/16**	**2.1**
NSS20100	5.000	5.10	100	2	1/2	**1**	3/8	7/8	1/2	**1 13/16**	**2.3**
NSS20110	5.500	5.60	110	2	1/2	**1**	3/8	7/8	1/2	**1 13/16**	**2.8**
NSS20112	5.600	5.70	112	2	1/2	**1**	3/8	7/8	1/2	**1 13/16**	**2.9**
NSS20120	6.000	6.10	120	2	1/2	**1**	3/8	7/8	1/2	**1 13/16**	**3.4**
NSS20132	6.600	6.70	132	2	1/2	**1**	3/8	7/8	1/2	**1 13/16**	**4.0**
NSS20140	7.000	7.10	140	2	1/2	**1**	3/8	7/8	1/2	**1 13/16**	**4.5**
NSS20144	7.200	7.30	144	2	1/2	**1**	3/8	7/8	1/2	**1 13/16**	**4.6**
NSS20150	7.500	7.60	150	2	1/2	**1**	3/8	1	5/8	**1 13/16**	**5.1**
NSS20156	7.800	7.90	156	2	1/2	**1**	3/8	1	5/8	**1 13/16**	**5.5**
NSS20160	8.000	8.10	160	2	1/2	**1**	3/8	1	5/8	**1 13/16**	**5.8**
NSS20168	8.400	8.50	168	2	1/2	**1**	3/8	1	5/8	**1 13/16**	**6.5**
NSS20180	9.000	9.10	180	2	1/2	**1**	3/8	1	5/8	**1 13/16**	**7.3**
NSS20200	10.000	10.10	200	2	1/2	**1**	3/8	1	5/8	**1 13/16**	**8.6**

***Enlarged Pinion Tooth Form – Pitch Diameter is Special. Use For Calculating Center Distance but not for Ratio.**



16 Pitch 1/2" Face 14 1/2° Pressure Angle

Table No. 1

Stock Steel Finished Bore Spur Gears

Part No.	Diameter		No. Teeth	Type	Stock Bores marked "X"							Dimensions				Wt. Lbs.
	Pitch	Nominal O.D.			5/16"	3/8"	1/2"	5/8"	3/4"	7/8"	1"	F	L	P	H	
NSS16F12	.750"	.87"	12	1	X	—	—	—	—	—	—	1/2"	15/16"	7/16"	9/16"	.09
NSS16F13	.813	.93	13	1	—	X	—	—	—	—	—	1/2	15/16	7/16	5/8	.09
NSS16F14	.875	1.00	14	1	—	X	—	—	—	—	—	1/2	15/16	7/16	11/16	.13
NSS16F15	.938	1.06	15	1	—	X	X	—	—	—	—	1/2	15/16	7/16	3/4	.13
NSS16F16	1.000	1.12	16	1	—	X	X	—	—	—	—	1/2	15/16	7/16	13/16	.19
NSS16F18	1.125	1.25	18	1	—	—	X	—	—	—	—	1/2	15/16	7/16	15/16	.19
NSS16F20	1.250	1.37	20	1	—	—	X	X	—	—	—	1/2	15/16	7/16	1 1/16	.19
NSS16F22	1.375	1.50	22	1	—	—	X	X	—	—	—	1/2	15/16	7/16	1 3/16	.25
NSS16F24	1.500	1.62	24	1	—	—	X	X	X	—	—	1/2	15/16	7/16	1 5/16	.31
NSS16F26	1.625	1.75	26	1	—	—	X	X	X	—	—	1/2	15/16	7/16	1 7/16	.44
NSS16F28	1.750	1.87	28	1	—	—	X	X	X	—	—	1/2	1	1/2	1 1/2	.50
NSS16F30	1.875	2.00	30	1	—	—	X	X	X	—	X	1/2	1	1/2	1 5/8	.50
NSS16F32	2.000	2.12	32	1	—	—	X	X	X	—	X	1/2	1	1/2	1 3/4	.69

***Enlarged Pinion Tooth Form — Pitch Diameter is Special. Use For Calculating Center Distance but not for Ratio.**

All of above Gears are Steel. Furnished with one Hollow Head Setscrew and Standard Keyseat, except 1/2" bore and smaller which have Setscrew only. For standard Keyseats see Page F-8.

Table No. 2

Stock Steel and Cast Iron Minimum Bore Spur Gears

Part No.	Diameter		No. Teeth	Type	Bore		Dimensions				Wt. Lbs.
	Pitch	Nominal O.D.			Stock	Max.	F	L	P	H	
NSS1611*	.750"	.87"	11	2	3/8"	3/8"	1/2"	15/16"	7/16"	9/16"	.06
NSS1612	.750	.87	12	2	3/8	3/8	1/2	15/16	7/16	9/16	.06
NSS1613	.813	.93	13	2	3/8	3/8	1/2	15/16	7/16	5/8	.06
NSS1614	.875	1.00	14	2	3/8	7/16	1/2	15/16	7/16	11/16	.06
NSS1615	.938	1.06	15	2	1/2	1/2	1/2	15/16	7/16	3/4	.09
NSS1616	1.000	1.12	16	2	1/2	1/2	1/2	15/16	7/16	13/16	.09
NSS1617	1.063	1.18	17	2	1/2	1/2	1/2	15/16	7/16	7/8	.09
NSS1618	1.125	1.25	18	2	1/2	9/16	1/2	15/16	7/16	15/16	.13
NSS1619	1.188	1.31	19	2	1/2	9/16	1/2	15/16	7/16	1	.13
NSS1620	1.250	1.37	20	2	1/2	5/8	1/2	15/16	7/16	1 1/16	.13
NSS1621	1.313	1.43	21	2	1/2	5/8	1/2	15/16	7/16	1 1/8	.19
NSS1622	1.375	1.50	22	2	1/2	5/8	1/2	15/16	7/16	1 3/16	.19
NSS1623	1.438	1.56	23	2	1/2	11/16	1/2	15/16	7/16	1 1/4	.25
NSS1624	1.500	1.62	24	2	1/2	3/4	1/2	15/16	7/16	1 5/16	.31
NSS1626	1.625	1.75	26	2	1/2	3/4	1/2	15/16	7/16	1 7/16	.31
NSS1628	1.750	1.87	28	2	1/2	7/8	1/2	1	1/2	1 1/2	.50
NSS1630	1.875	2.00	30	2	1/2	1	1/2	1	1/2	1 5/8	.56
NSS1632	2.000	2.12	32	2	1/2	1	1/2	1	1/2	1 3/4	.63
NSS1634	2.125	2.25	34	2	1/2	1 1/8	1/2	1	1/2	1 7/8	.75
NSS1636	2.250	2.37	36	2	1/2	1 1/4	1/2	1	1/2	2	.81
NSS1638	2.375	2.50	38	2	1/2	1 1/4	1/2	1	1/2	2	.94
NSS1640	2.500	2.62	40	2	1/2	1 1/4	1/2	1	1/2	2	1.0
NSS1644	2.750	2.87	44	2	1/2	1 1/4	1/2	1	1/2	2	1.1
NSS1648	3.000	3.12	48	2	1/2	1 1/4	1/2	1	1/2	2	1.3
NSS1652	3.250	3.37	52	2	1/2	1 1/4	1/2	1	1/2	2	1.5
NSS1654	3.375	3.50	54	2	1/2	1 1/4	1/2	1	1/2	2	1.6
NSS1656	3.500	3.62	56	2	1/2	1 1/4	1/2	1	1/2	2	1.7
NSS1660	3.750	3.87	60	2	1/2	1 1/4	1/2	1 1/8	5/8	2	1.8
NSS1664	4.000	4.12	64	2	5/8	1 1/4	1/2	1 1/8	5/8	2	1.8
NSS1668	4.250	4.37	68	2	5/8	1 1/4	1/2	1 1/8	5/8	2	2.2
NSS1672	4.500	4.62	72	2	5/8	1 1/4	1/2	1 1/8	5/8	2	2.3
NSS1680	5.000	5.12	80	2	5/8	1 1/4	1/2	1 1/8	5/8	2	2.6
NSS1684	5.250	5.37	84	2	5/8	1 1/4	1/2	1 1/8	5/8	2	3.1
NSS1688	5.500	5.62	88	2	5/8	1 1/4	1/2	1 1/8	5/8	2	2.3
NCS1696	6.000	6.12	96	4	5/8	1 1/4	1/2	1 1/8	5/8	2	2.3
NCS16104	6.500	6.62	104	4	5/8	1 1/4	1/2	1 1/8	5/8	2	2.9
NCS16112	7.000	7.12	112	4	5/8	1 1/4	1/2	1 1/8	5/8	2	2.8
NCS16120	7.500	7.62	120	4	5/8	1 1/4	1/2	1 1/8	5/8	2	3.0
NCS16128	8.000	8.12	128	4	5/8	1 1/4	1/2	1 1/8	5/8	2	3.4
NCS16136	8.500	8.62	136	4	5/8	1 1/4	1/2	1 1/8	5/8	2	4.1
NCS16144	9.000	9.12	144	2	5/8	1 1/4	1/2	1 1/4	3/4	2	8.5
NCS16160	10.000	10.12	160	4	5/8	1 1/4	1/2	1 1/4	3/4	2	4.5
NCS16192	12.000	12.12	192	4	5/8	1 1/4	1/2	1 1/4	3/4	2	5.4

***Enlarged Pinion Tooth Form – Pitch Diameter is Special. Use For Calculating Center Distance but not for Ratio.**

All 88 Tooth Gears and smaller are Steel. All larger sizes, Cast Iron.

F

12 Pitch 3/4" Face 14 1/2° Pressure Angle

Table No. 1 Stock Steel Finished Bore Spur Gears

Part No.	Diameter		No. Teeth	Type	Stock Bores Marked "X"					Dimensions				Wt. Lbs.
	Pitch	Nominal O.D.			1/2"	5/8"	3/4"	7/8"	1"	F	L	P	H	
NSS12F11*	1.000"	1.16"	11	1	X	—	—	—	—	3/4"	1 1/4"	1/2"	3/4"	.1
NSS12F12	1.000	1.16	12	1	X	—	—	—	—	3/4	1 1/4	1/2	3/4	.1
NSS12F13	1.083	1.25	13	1	X	—	—	—	—	3/4	1 1/4	1/2	13/16	.2
NSS12F14	1.167	1.33	14	1	X	—	—	—	—	3/4	1 1/4	1/2	29/32	.2
NSS12F15	1.250	1.41	15	1	X	—	—	—	—	3/4	1 1/4	1/2	1	.3
NSS12F16	1.333	1.50	16	1	X	—	—	—	—	3/4	1 1/4	1/2	1 1/16	.3
NSS12F18	1.500	1.66	18	1	—	X	—	—	—	3/4	1 1/4	1/2	1 1/4	.4
NSS12F20	1.667	1.83	20	1	—	X	X	—	—	3/4	1 1/4	1/2	1 13/32	.5
NSS12F21	1.750	1.91	21	1	—	X	X	X	—	3/4	1 1/4	1/2	1 1/2	.6
NSS12F22	1.833	2.00	22	1	—	X	X	X	X	3/4	1 1/4	1/2	1 9/16	.6
NSS12F24	2.000	2.16	24	1	—	X	X	X	X	3/4	1 1/4	1/2	1 3/4	.8

***Enlarged Pinion Tooth Form — Pitch Diameter is Special. Use For Calculating Center Distance but not for Ratio.**
All of above Gears are Steel. Furnished with one Hollow Head Setscrew and Standard Keyseat, except 1/2" bore and smaller which have Setscrew only.
For standard Keyseats see Page F-8.

Table No. 2 Stock Steel and Cast Iron Minimum Bore Spur Gears

Part No.	Diameter		No. Teeth	Type	Bore		Dimensions				Wt. Lbs.
	Pitch	Nominal O.D.			Stock	Max.	F	L	P	H	
NSS1211*	1.000"	1.16"	11	2	1/2"	1/2"	3/4"	1 1/4"	1/2"	3/4"	.1
NSS1212	1.000	1.16	12	2	1/2	1/2	3/4	1 1/4	1/2	3/4	.1
NSS1213	1.083	1.25	13	2	1/2	1/2	3/4	1 1/4	1/2	13/16	.1
NSS1214	1.167	1.33	14	2	1/2	1/2	3/4	1 1/4	1/2	29/32	.1
NSS1215	1.250	1.41	15	2	5/8	5/8	3/4	1 1/4	1/2	1	.2
NSS1216	1.333	1.50	16	2	5/8	5/8	3/4	1 1/4	1/2	1 1/16	.3
NSS1217	1.417	1.58	17	2	5/8	5/8	3/4	1 1/4	1/2	1 1/8	.3
NSS1218	1.500	1.66	18	2	5/8	5/8	3/4	1 1/4	1/2	1 1/4	.4
NSS1219	1.583	1.75	19	2	5/8	11/16	3/4	1 1/4	1/2	1 5/16	.4
NSS1220	1.667	1.83	20	2	5/8	3/4	3/4	1 1/4	1/2	1 13/32	.5
NSS1221	1.750	1.91	21	2	5/8	7/8	3/4	1 1/4	1/2	1 1/2	.5
NSS1222	1.833	2.00	22	2	5/8	1	3/4	1 1/4	1/2	1 9/16	.6
NSS1223	1.917	2.08	23	2	5/8	1	3/4	1 1/4	1/2	1 5/8	.8
NSS1224	2.000	2.16	24	2	5/8	1	3/4	1 1/4	1/2	1 3/4	.8
NSS1225	2.083	2.25	25	2	5/8	1 1/16	3/4	1 1/4	1/2	1 27/32	.9
NSS1226	2.167	2.33	26	2	5/8	1 1/8	3/4	1 3/8	5/8	1 15/16	1.0
NSS1228	2.333	2.50	28	2	5/8	1 3/16	3/4	1 3/8	5/8	2 1/16	1.4
NSS1230	2.500	2.66	30	2	5/8	1 3/8	3/4	1 3/8	5/8	2 1/4	1.5
NSS1232	2.667	2.83	32	2	5/8	1 3/8	3/4	1 3/8	5/8	2 1/4	1.9
NSS1234	2.833	3.00	34	2	5/8	1 1/2	3/4	1 3/8	5/8	2 3/8	2.1
NSS1236	3.000	3.16	36	2	5/8	1 5/8	3/4	1 3/8	5/8	2 1/2	2.4
NSS1238	3.167	3.33	38	2	5/8	1 5/8	3/4	1 3/8	5/8	2 1/2	2.4
NSS1240	3.333	3.50	40	2	5/8	1 5/8	3/4	1 3/8	5/8	2 1/2	2.6
NSS1242	3.500	3.66	42	2	5/8	1 5/8	3/4	1 3/8	5/8	2 1/2	2.6
NSS1244	3.667	3.83	44	2	5/8	1 5/8	3/4	1 3/8	5/8	2 1/2	2.8
NSS1248	4.000	4.16	48	2	3/4	1 5/8	3/4	1 1/2	3/4	2 1/2	3.4
NSS1254	4.500	4.66	54	2	3/4	1 5/8	3/4	1 1/2	3/4	2 1/2	4.1
NSS1256	4.667	4.83	56	2	3/4	1 5/8	3/4	1 1/2	3/4	2 1/2	4.4
NSS1260	5.000	5.16	60	2	3/4	1 5/8	3/4	1 1/2	3/4	2 1/2	5.1
NCS1264	5.333	5.50	64	4	3/4	1 1/2	3/4	1 1/2	3/4	2 1/2	3.8
NCS1266	5.500	5.66	66	4	3/4	1 1/2	3/4	1 1/2	3/4	2 1/2	3.8
NCS1272	6.000	6.16	72	4	3/4	1 1/2	3/4	1 1/2	3/4	2 1/2	3.8
NCS1278	6.500	6.66	78	4	3/4	1 1/2	3/4	1 1/2	3/4	2 1/2	4.6
NCS1284	7.000	7.16	84	4	3/4	1 1/2	3/4	1 1/2	3/4	2 1/2	4.2
NCS1290	7.500	7.66	90	4	3/4	1 1/2	3/4	1 1/2	3/4	2 1/2	5.1
NCS1296	8.000	8.16	96	4	3/4	1 1/2	3/4	1 1/2	3/4	2 1/2	4.8
NCS12102	8.500	8.66	102	4	3/4	1 1/2	3/4	1 1/2	3/4	2 1/2	5.9
NCS12108	9.000	9.16	108	4	3/4	1 1/2	3/4	1 1/2	3/4	2 1/2	5.4
NCS12112	9.333	9.50	112	4	3/4	1 1/2	3/4	1 1/2	3/4	2 1/2	5.8
NCS12120	10.000	10.16	120	4	7/8	1 1/2	3/4	1 1/2	3/4	2 1/2	5.8
NCS12132	11.000	11.16	132	4	7/8	1 1/2	3/4	1 1/2	3/4	2 1/2	8.9
NCS12144	12.000	12.16	144	4	7/8	1 1/2	3/4	1 3/4	1	2 1/2	8.4
NCS12156	13.000	13.16	156	4	7/8	1 1/2	3/4	1 3/4	1	2 1/2	10.5
NCS12168	14.000	14.16	168	4	7/8	1 1/2	3/4	1 3/4	1	2 1/2	10.3
NCS12180	15.000	15.16	180	4	7/8	1 1/2	3/4	1 3/4	1	2 1/2	13.8

***Enlarged Pinion Tooth Form – Pitch Diameter is Special. Use For Calculating Center Distance but not for Ratio.**
All 60 Tooth Gears and smaller are Steel. All larger sizes, Cast Iron.

F

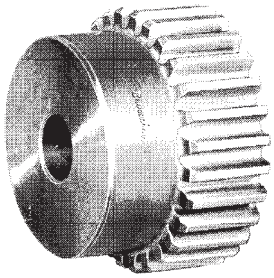
12 Pitch — 3/4" Face — 14 1/2° Pressure Angle

Table No. 1

Stock Steel and Cast Iron Spur Gears with Browning Split Taper® Bushings

Part No.		Diameter		No. Teeth	Type	Dimensions									Wt. Lbs. Less Bush.
Gear	Bush.	Pitch	Nominal O.D.			F	O.L.	L	P	C	H	G	X	E	
NSS12G30	G	2.500"	2.66"	30	6	3/4"	1 3/8"	1"	7/16"	3/16"	2"	—	—	3/16"	.8
NSS12H36	H	3.000	3.16	36	5	3/4	1 1/2	1 1/4	9/16	1/16	2 1/2	7/16"	7/8"	3/16	1.1
NSS12H42	H	3.500	3.66	42	5	3/4	1 1/2	1 1/4	9/16	1/16	2 1/2	7/16	7/8	3/16	1.5
NSS12H48	H	4.000	4.16	48	5	3/4	1 1/2	1 1/4	9/16	1/16	2 1/2	7/16	7/8	3/16	2.3
NSS12H54	H	4.500	4.66	54	5	3/4	1 1/2	1 1/4	9/16	1/16	2 1/2	7/16	7/8	3/16	3.0
NSS12H60	H	5.000	5.16	60	9	3/4	1 1/2	1 1/4	9/16	1/16	2 1/2	7/16	7/8	3/16	2.9
NCS12H72	H	6.000	6.16	72	10	3/4	1 1/2	1 1/4	9/16	1/16	2 1/2	7/16	7/8	3/16	2.9
NCS12H84	H	7.000	7.16	84	10	3/4	1 1/2	1 1/4	9/16	1/16	2 1/2	7/16	7/8	3/16	3.5
NCS12H120	H	10.000	10.16	120	10	3/4	1 1/2	1 1/4	9/16	1/16	2 1/2	7/16	7/8	3/16	5.2
NCS12P144	P1	12.000	12.16	144	16	3/4	2 3/16	1 15/16	1 3/16	—	3	5/8	1 5/16	1/4	8.3

All 60 Tooth Gears and smaller are Steel. All larger sizes, Cast Iron.



Bore Range

Table No. 2

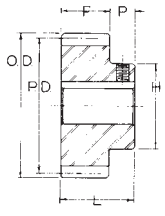
Bushing	Bore Range
G	3/8" — 1"
H	3/8 — 1 1/2
P1	1/2 — 1 3/4

Standard Keyseats

Table No. 3

Bore Range	Keyseat
3/8" — 7/16"	None
1/2 — 9/16	1/8" x 1/16"
5/8 — 7/8	3/16 x 3/32
15/16 — 1 1/4	1/4 x 1/8
1 15/16 — 1 3/8	5/16 x 5/32
1 7/16 — 1 3/4	3/8 x 3/16
1 13/16 — 2 1/4	1/2 x 1/4
2 5/16 — 2 11/16	5/8 x 5/16

1 3/8 Bore Bushings also available with "3/8" x 3/16" Keyseat.



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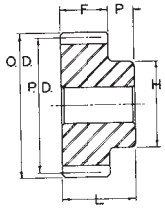

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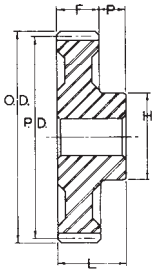

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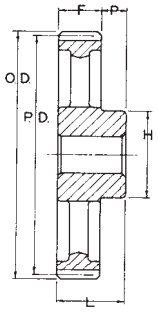

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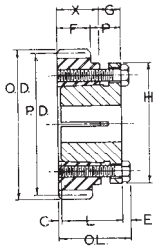

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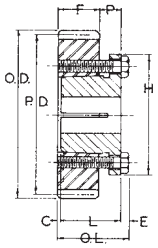

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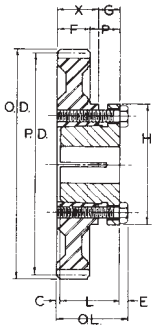

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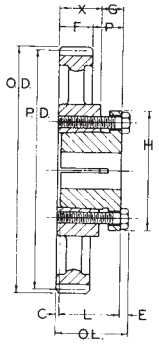

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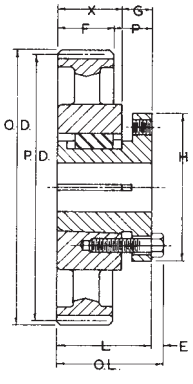


TYPE 16

10 Pitch 1" Face 14 1/2° Pressure Angle

Table No. 1

Stock Steel Finished Bore Spur Gears

Part No.	Diameter		No. Teeth	Type	Stock Bores Marked "X"					Dimensions				Wt. Lbs.
	Pitch	Nominal O.D.			1/2"	5/8"	3/4"	7/8"	1"	F	L	P	H	
NSS10F12	1.200"	1.40"	12	1	X	—	—	—	—	1"	1 5/8"	5/8"	29/32"	.3
NSS10F14	1.400	1.60	14	1	—	X	—	—	—	1	1 5/8	5/8	1 7/64	.4
NSS10F15	1.500	1.70	15	1	—	X	—	—	—	1	1 5/8	5/8	1 7/32	.4
NSS10F16	1.600	1.80	16	1	—	X	X	—	—	1	1 5/8	5/8	1 5/16	.6
NSS10F18	1.800	2.00	18	1	—	—	X	X	—	1	1 5/8	5/8	1 33/64	.7
NSS10F20	2.000	2.20	20	1	—	—	X	X	X	1	1 5/8	5/8	1 23/32	.9
NSS10F24	2.400	2.60	24	1	—	—	X	X	X	1	1 5/8	5/8	2 7/64	1.6

All of above Gears are Steel. Furnished with one Hollow Head Setscrew and Standard Keyseat, except 1/2" bore which has Setscrew only.

Table No. 2

Stock Steel and Cast Iron Minimum Bore Spur Gears

Part No.	Diameter		No. Teeth	Type	Bore		Dimensions				Wt. Lbs.
	Pitch	Nominal O.D.			Stock	Max.	F	L	P	H	
NSS1011*	1.200"	1.40"	11	2	5/8"	5/8"	1"	1 5/8"	5/8"	29/32"	.3
NSS1012	1.200	1.40	12	2	5/8	5/8	1	1 5/8	5/8	29/32	.3
NSS1013	1.300	1.50	13	2	5/8	5/8	1	1 5/8	5/8	1	.3
NSS1014	1.400	1.60	14	2	5/8	5/8	1	1 5/8	5/8	1 7/64	.4
NSS1015	1.500	1.70	15	2	3/4	3/4	1	1 5/8	5/8	1 13/64	.4
NSS1016	1.600	1.80	16	2	3/4	3/4	1	1 5/8	5/8	1 5/16	.4
NSS1017	1.700	1.90	17	2	3/4	3/4	1	1 5/8	5/8	1 3/8	.6
NSS1018	1.800	2.00	18	2	3/4	7/8	1	1 5/8	5/8	1 33/64	.7
NSS1019	1.900	2.10	19	2	3/4	7/8	1	1 5/8	5/8	1 9/16	.9
NSS1020	2.000	2.20	20	2	3/4	1	1	1 5/8	5/8	1 45/64	1.0
NSS1021	2.100	2.30	21	2	3/4	1	1	1 5/8	5/8	1 3/4	1.1
NSS1022	2.200	2.40	22	2	3/4	1 1/8	1	1 5/8	5/8	1 7/8	1.3
NSS1024	2.400	2.60	24	2	3/4	1 1/4	1	1 5/8	5/8	2 7/64	1.5
NSS1025	2.500	2.70	25	2	3/4	1 3/8	1	1 5/8	5/8	2 13/64	1.8
NSS1026	2.600	2.80	26	2	3/4	1 7/16	1	1 5/8	5/8	2 5/16	1.9
NSS1028	2.800	3.00	28	2	3/4	1 5/8	1	1 7/8	7/8	2 1/2	2.6
NSS1030	3.000	3.20	30	2	3/4	1 3/4	1	1 7/8	7/8	2 5/8	3.0
NSS1032	3.200	3.40	32	2	3/4	1 3/4	1	1 7/8	7/8	2 5/8	3.3
NSS1035	3.500	3.70	35	2	3/4	1 3/4	1	1 7/8	7/8	2 5/8	3.8
NSS1036	3.600	3.80	36	2	3/4	1 3/4	1	1 7/8	7/8	2 5/8	3.8
NSS1038	3.800	4.00	38	2	3/4	1 3/4	1	1 7/8	7/8	2 5/8	4.3
NSS1040	4.000	4.20	40	2	7/8	1 3/4	1	1 7/8	7/8	2 5/8	4.5
NSS1042	4.200	4.40	42	2	7/8	1 3/4	1	1 7/8	7/8	2 5/8	4.9
NSS1045	4.500	4.70	45	2	7/8	1 3/4	1	1 7/8	7/8	2 5/8	5.6
NSS1048	4.800	5.00	48	2	7/8	1 3/4	1	1 7/8	7/8	2 5/8	6.7
NSS1050	5.000	5.20	50	2	7/8	1 3/4	1	1 7/8	7/8	2 5/8	6.3
NSS1054	5.400	5.60	54	2	7/8	1 3/4	1	1 7/8	7/8	2 5/8	8.0
NCS1055	5.500	5.70	55	4	7/8	1 9/16	1	1 7/8	7/8	2 5/8	4.7
NCS1060	6.000	6.20	60	4	7/8	1 9/16	1	1 7/8	7/8	2 5/8	5.0
NCS1064	6.400	6.60	64	4	7/8	1 9/16	1	1 7/8	7/8	2 5/8	5.4
NCS1065	6.500	6.70	65	4	7/8	1 9/16	1	1 7/8	7/8	2 5/8	5.5
NCS1070	7.000	7.20	70	4	7/8	1 9/16	1	1 7/8	7/8	2 5/8	5.9
NCS1072	7.200	7.40	72	4	7/8	1 9/16	1	1 7/8	7/8	2 5/8	6.5
NCS1075	7.500	7.70	75	4	7/8	1 9/16	1	1 7/8	7/8	2 5/8	6.3
NCS1080	8.000	8.20	80	4	7/8	1 9/16	1	1 7/8	7/8	2 5/8	6.6
NCS1084	8.400	8.60	84	4	7/8	1 9/16	1	1 7/8	7/8	2 5/8	6.8
NCS1090	9.000	9.20	90	4	7/8	1 9/16	1	1 7/8	7/8	2 5/8	7.3
NCS1096	9.600	9.80	96	4	7/8	1 9/16	1	1 7/8	7/8	2 5/8	8.4
NCS10100	10.000	10.20	100	4	1	1 9/16	1	1 7/8	7/8	2 5/8	8.0
NCS10110	11.000	11.20	110	4	1	1 9/16	1	2	1	2 5/8	10.8
NCS10112	11.200	11.40	112	4	1	1 9/16	1	2	1	2 5/8	10.8
NCS10120	12.000	12.20	120	4	1	1 9/16	1	2	1	2 5/8	11.8
NCS10140	14.000	14.20	140	4	1	1 9/16	1	2	1	2 5/8	15.4
NCS10144	14.400	14.60	144	4	1	1 9/16	1	2	1	2 5/8	15.1
NCS10160	16.000	16.20	160	4	1	1 9/16	1	2	1	2 5/8	17.7
NCS10180	18.000	18.20	180	4	1	1 5/8	1	2	1	2 3/4	19.6

*** Enlarged Pinion Tooth Form — Pitch Diameter is Special. Use for calculating Center Distance but not for Ratio.**
All 54 Tooth Gears and smaller are Steel. All larger sizes, Cast Iron.

F

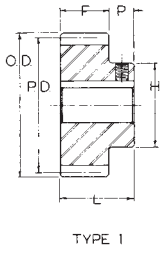
10 Pitch — 1" Face — 14 1/2° Pressure Angle

Table No. 1

Stock Steel and Cast Iron Spur Gears with Browning Split Taper® Bushings

Part No.		Diameter		No. Teeth	Type	Dimensions									Wt. Lbs. Less Bush.
Gear	Bush.	Pitch	Nominal O.D.			F	O.L.	L	P	C	H	G	X	E	
NSS10G25	G	2.500"	2.70"	25	6	1"	1 5/8"	1"	7/16"	7/16"	2"	—	—	3/16"	.9
NSS10H30	H	3.000	3.20	30	6	1	1 5/8	1 1/4	7/16	3/16	2 1/2	—	—	3/16	1.3
NSS10H32	H	3.200	3.40	32	6	1	1 5/8	1 1/4	7/16	3/16	2 1/2	—	—	3/16	1.6
NSS10H35	H	3.500	3.70	35	6	1	1 5/8	1 1/4	7/16	3/16	2 1/2	—	—	3/16	2.0
NSS10H36	H	3.600	3.80	36	6	1	1 5/8	1 1/4	7/16	3/16	2 1/2	—	—	3/16	2.3
NSS10H40	H	4.000	4.20	40	6	1	1 5/8	1 1/4	7/16	3/16	2 1/2	—	—	3/16	2.9
NSS10H45	H	4.500	4.70	45	6	1	1 5/8	1 1/4	7/16	3/16	2 1/2	—	—	3/16	3.8
NSS10H48	H	4.800	5.00	48	6	1	1 5/8	1 1/4	7/16	3/16	2 1/2	7/16"	1"	3/16	4.8
NSS10H50	H	5.000	5.20	50	7	1	1 5/8	1 1/4	7/16	3/16	2 1/2	7/16	1	3/16	3.4
NSS10H54	H	5.400	5.60	54	6	1	1 5/8	1 1/4	7/16	3/16	2 1/2	7/16	1	3/16	6.3
NCS10H55	H	5.500	5.70	55	8	1	1 1/2	1 1/4	5/16	1/16	2 1/2	7/16	7/8	3/16	3.0
NCS10H60	H	6.000	6.20	60	8	1	1 1/2	1 1/4	5/16	1/16	2 1/2	7/16	7/8	3/16	3.8
NCS10H64	H	6.400	6.60	64	8	1	1 1/2	1 1/4	5/16	1/16	2 1/2	7/16	7/8	3/16	3.4
NCS10H70	H	7.000	7.20	70	8	1	1 1/2	1 1/4	5/16	1/16	2 1/2	7/16	7/8	3/16	4.3
NCS10H72	H	7.200	7.40	72	8	1	1 1/2	1 1/4	5/16	1/16	2 1/2	7/16	7/8	3/16	4.8
NCS10H80	H	8.000	8.20	80	8	1	1 1/2	1 1/4	5/16	1/16	2 1/2	7/16	7/8	3/16	5.0
NCS10H90	H	9.000	9.20	90	8	1	1 1/2	1 1/4	5/16	1/16	2 1/2	7/16	7/8	3/16	5.8
NCS10H96	H	9.600	9.80	96	8	1	1 1/2	1 1/4	5/16	1/16	2 1/2	7/16	7/8	3/16	6.4
NCS10H100	H	10.000	10.20	100	8	1	1 1/2	1 1/4	5/16	1/16	2 1/2	7/16	7/8	3/16	6.4
NCS10P120	P1	12.000	12.20	120	16	1	2 3/16	1 15/16	15/16	—	3	5/8	1 5/16	1/4	10.2
NCS10P140	P1	14.000	14.20	140	16	1	2 3/16	1 15/16	15/16	—	3	5/8	1 5/16	1/4	13.0
NCS10P180	P1	18.000	18.20	180	16	1	2 3/16	1 15/16	15/16	—	3	5/8	1 5/16	1/4	19.9
NCS10P200	P1	20.000	20.20	200	16	1	2 3/16	1 15/16	15/16	—	3	5/8	1 5/16	1/4	22.3

All 54 Tooth Gears and smaller are Steel. All larger sizes, Cast Iron.



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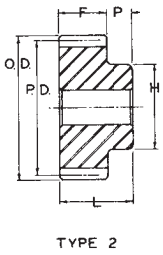

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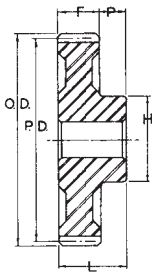

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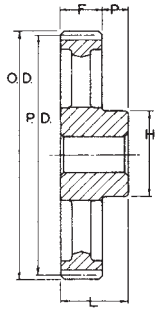

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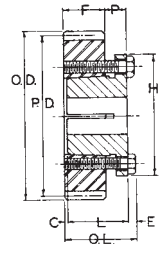

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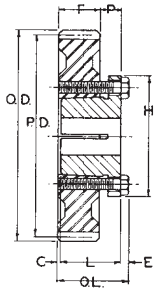

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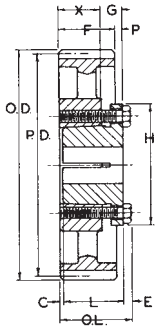

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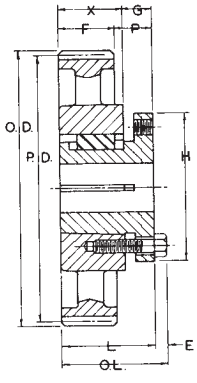


TYPE 16

Browning® Gears with a greater depth of cut and larger radius at bottom of tooth have stronger teeth — a deeper lubrication reservoir and more clearance for dirt removal

Bore Range

Table No. 2

Bushing	Bore Range
G	3/8" — 1"
H	3/8 — 1 1/2
P1	1/2 — 1 3/4

Standard Keyseats

Table No. 3

Bore Range	Keyseat
3/8" — 7/16"	None
1/2 — 9/16	1/8" X 1/16"
5/8 — 7/8	3/16 X 3/32
15/16 — 1 1/4	1/4 X 1/8
1 5/16 — 1 3/8	5/16 X 5/32
1 7/16 — 1 3/4	3/8 X 3/16

1 3/8" Bore Bushings also available with 3/8" x 3/16" Keyseat.

8 Pitch — 1 1/4" Face — 14 1/2° Pressure Angle

Table No. 1

Stock Steel Finished Bore Spur Gears

Part No.	Diameter		No. Teeth	Type	Stock Bores Marked "X"					Dimensions				Wt. Lbs.
	Pitch	Nominal O.D.			5/8"	3/4"	7/8"	1"	1 1/8"	F	L	P	H	
NSS8F12	1.500"	1.75"	12	1	x	—	—	—	—	1 1/4"	2"	3/4"	1 1/8"	.5
NSS8F14	1.750	2.00	14	1	—	x	—	—	—	1 1/4	2	3/4	1 3/8	.8
NSS8F15	1.875	2.12	15	1	—	x	—	—	—	1 1/4	2	3/4	1 1/2	1.0
NSS8F16	2.000	2.25	16	1	—	x	x	x	—	1 1/4	2	3/4	1 5/8	1.2
NSS8F18	2.250	2.50	18	1	—	x	x	x	x	1 1/4	2	3/4	1 7/8	1.6
NSS8F20	2.500	2.75	20	1	—	x	x	x	x	1 1/4	2	3/4	2 1/8	2.2
NSS8F22	2.750	3.00	22	1	—	x	x	x	x	1 1/4	2	3/4	2 3/8	2.6

All Above Gears are Steel. Furnished with one Hollow Head Setscrew and Standard Keyseat.

Table No. 2

Stock Steel and Cast Iron Minimum Bore Spur Gears

Part No.	Diameter		No. of Teeth	Type	Bore		Dimensions				Wt. Lbs.
	Pitch	Nominal O.D.			Stock	Max.	F	L	P	H	
NSS811*	1.500"	1.75"	11	2	3/4"	3/4"	1 1/4 "	2"	3/4"	1 1/8"	.5
NSS812	1.500	1.75	12	2	3/4	3/4	1 1/4	2	3/4	1 1/8	.5
NSS813	1.625	1.87	13	2	3/4	3/4	1 1/4	2	3/4	1 1/4	.8
NSS814	1.750	2.00	14	2	3/4	3/4	1 1/4	2	3/4	1 3/8	1.0
NSS815	1.875	2.12	15	2	7/8	1	1 1/4	2	3/4	1 1/2	.8
NSS816	2.000	2.25	16	2	7/8	1	1 1/4	2	3/4	1 5/8	1.0
NSS817	2.125	2.37	17	2	7/8	1	1 1/4	2	3/4	1 3/4	1.2
NSS818	2.250	2.50	18	2	7/8	1 1/8	1 1/4	2	3/4	1 7/8	1.4
NSS819	2.375	2.62	19	2	7/8	1 1/4	1 1/4	2	3/4	2	1.8
NSS820	2.500	2.75	20	2	7/8	1 1/4	1 1/4	2	3/4	2 1/8	1.9
NSS821	2.625	2.87	21	2	7/8	1 3/8	1 1/4	2	3/4	2 1/4	2.4
NSS822	2.750	3.00	22	2	7/8	1 1/2	1 1/4	2	3/4	2 3/8	2.6
NSS824	3.000	3.25	24	2	7/8	1 3/4	1 1/4	2 1/4	1	2 5/8	3.5
NSS826	3.250	3.50	26	2	7/8	1 3/4	1 1/4	2 1/4	1	2 5/8	4.0
NSS828	3.500	3.75	28	2	7/8	1 3/4	1 1/4	2 1/4	1	2 5/8	4.4
NSS830	3.750	4.00	30	2	7/8	1 3/4	1 1/4	2 1/4	1	2 3/4	5.1
NSS832	4.000	4.25	32	2	1	1 7/8	1 1/4	2 1/4	1	2 7/8	5.7
NSS836	4.500	4.75	36	2	1	2	1 1/4	2 1/4	1	3	7.0
NSS840	5.000	5.25	40	2	1	2	1 1/4	2 1/4	1	3	8.7
NSS842	5.250	5.50	42	2	1	2	1 1/4	2 1/4	1	3	9.8
NSS844	5.500	5.75	44	2	1	2	1 1/4	2 1/4	1	3	10.3
NSS848	6.000	6.25	48	2	1	2	1 1/4	2 1/4	1	3	11.9
NSS852	6.500	6.75	52	2	1	2	1 1/4	2 1/4	1	3	13.9
NSS854	6.750	7.00	54	2	1	2	1 1/4	2 1/4	1	3	15.1
NCS856	7.000	7.25	56	4	1	1 13/16	1 1/4	2 1/4	1	3	8.5
NCS860	7.500	7.75	60	4	1	1 13/16	1 1/4	2 1/4	1	3	9.3
NCS864	8.000	8.25	64	4	1	1 13/16	1 1/4	2 1/4	1	3	9.7
NCS872	9.000	9.25	72	4	1	1 13/16	1 1/4	2 1/4	1	3	11.1
NCS876	9.500	9.75	76	4	1	1 13/16	1 1/4	2 1/4	1	3	11.5
NCS880	10.000	10.25	80	4	1 1/8	1 13/16	1 1/4	2 3/8	1 1/8	3	12.6
NCS884	10.500	10.75	84	4	1 1/8	1 13/16	1 1/4	2 3/8	1 1/8	3	13.3
NCS888	11.000	11.25	88	4	1 1/8	1 13/16	1 1/4	2 3/8	1 1/8	3	14.2
NCS896	12.000	12.25	96	4	1 1/8	2	1 1/4	2 3/8	1 1/8	3 1/4	16.1
NCS8100	12.500	12.75	100	4	1 1/8	2	1 1/4	2 3/8	1 1/8	3 1/4	16.9
NCS8112	14.000	14.25	112	4	1 1/8	2	1 1/4	2 3/8	1 1/8	3 1/4	19.4
NCS8120	15.000	15.25	120	4	1 1/8	2	1 1/4	2 3/8	1 1/8	3 1/4	21.5
NCS8128	16.000	16.25	128	4	1 1/8	2 3/16	1 1/4	2 3/8	1 1/8	3 1/2	26.6
NCS8144	18.000	18.25	144	4	1 1/8	2 3/16	1 1/4	2 3/8	1 1/8	3 1/2	28.6
NCS8160	20.000	20.25	160	4	1 1/8	2 1/4	1 1/4	2 1/2	1 1/4	3 3/4	36.6

***Enlarged Pinion Tooth Form – Pitch Diameter is Special. Use for calculating Center Distance but not for Ratio.**
All 54 Tooth Gears and smaller are Steel. All larger sizes, Cast Iron.

BROWNING® Stock Gears

BROWNING Split Taper® Bushings

8 Pitch — 1 1/4" Face — 14 1/2° Pressure Angle

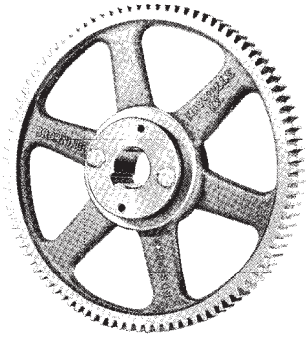
Table No. 1

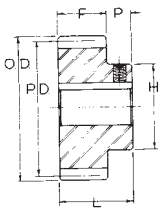
Stock Steel and Cast Iron Spur Gears with Browning Split Taper® Bushings

Part No.		Diameter		No. Teeth	Type	Dimensions									Wt. Lbs. Less Bush.
Gear	Bush.	Pitch	Nominal O.D.			F	O.L.	L	P	C	H	G	X	E	
NSS8H24	H	3.000"	3.25"	24	6	1 1/4"	1 7/8"	1 1/4"	7/16"	7/16"	2 1/2"	—	—	3/16"	1.1
NSS8H28	H	3.500	3.75	28	6	1 1/4	1 7/8	1 1/4	7/16	7/16	2 1/2	—	—	3/16	2.6
NSS8H30	H	3.750	4.00	30	6	1 1/4	1 7/8	1 1/4	7/16	7/16	2 1/2	—	—	3/16	3.0
NSS8H32	H	4.000	4.25	32	6	1 1/4	1 7/8	1 1/4	7/16	7/16	2 1/2	—	—	3/16	3.6
NSS8P36	P1	4.500	4.75	36	14	1 1/4	2 3/16	1 15/16	11/16	—	3	5/8"	1 5/16"	1/4	4.5
NSS8P40	P1	5.000	5.25	40	14	1 1/4	2 3/16	1 15/16	11/16	—	3	5/8	1 5/16	1/4	5.8
NSS8P42	P1	5.250	5.50	42	14	1 1/4	2 3/16	1 15/16	11/16	—	3	5/8	1 5/16	1/4	6.9
NSS8P44	P1	5.500	5.75	44	14	1 1/4	2 3/16	1 15/16	11/16	—	3	5/8	1 5/16	1/4	7.7
NSS8P48	P1	6.000	6.25	48	14	1 1/4	2 3/16	1 15/16	11/16	—	3	5/8	1 5/16	1/4	9.2
NSS8P54	P1	6.750	7.00	54	14	1 1/4	2 3/16	1 15/16	11/16	—	3	5/8	1 5/16	1/4	12.1
NSS8P56	P1	7.000	7.25	56	15	1 1/4	2 3/16	1 15/16	11/16	—	3	5/8	1 5/16	1/4	6.6
NSS8P60	P1	7.500	7.75	60	15	1 1/4	2 3/16	1 15/16	11/16	—	3	5/8	1 5/16	1/4	7.4
NCS8P64	P1	8.000	8.25	64	16	1 1/4	2 3/16	1 15/16	11/16	—	3	5/8	1 5/16	1/4	7.7
NCS8P72	P1	9.000	9.25	72	16	1 1/4	2 3/16	1 15/16	11/16	—	3	5/8	1 5/16	1/4	9.1
NCS8P80	P1	10.000	10.25	80	16	1 1/4	2 3/16	1 15/16	11/16	—	3	5/8	1 5/16	1/4	10.6
NCS8P84	P1	10.500	10.75	84	16	1 1/4	2 3/16	1 15/16	11/16	—	3	5/8	1 5/16	1/4	10.9
NCS8P88	P1	11.000	11.25	88	16	1 1/4	2 3/16	1 15/16	11/16	—	3	5/8	1 5/16	1/4	11.9
NCS8P96	P1	12.000	12.25	96	16	1 1/4	2 3/16	1 15/16	11/16	—	3	5/8	1 5/16	1/4	13.4
NCS8P112	P1	14.000	14.25	112	16	1 1/4	2 3/16	1 15/16	11/16	—	3	5/8	1 5/16	1/4	16.9
NCS8P120	P1	15.000	15.25	120	16	1 1/4	2 3/16	1 15/16	11/16	—	3	5/8	1 5/16	1/4	18.5
NCS8P128	P1	16.000	16.25	128	16	1 1/4	2 3/16	1 15/16	11/16	—	3	5/8	1 5/16	1/4	21.8
NCS8P144	P1	18.000	18.25	144	16	1 1/4	2 3/16	1 15/16	11/16	—	3	5/8	1 5/16	1/4	26.3
NCS8Q160	Q1	20.000	20.25	160	16	1 1/4	2 25/32	2 1/2	1 1/4	—	4 1/8	3/4	1 3/4	9/32	32.2

All 60 Tooth Gears and smaller are Steel. All larger sizes, Cast Iron.

F





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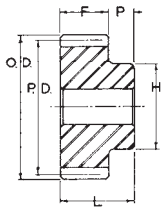

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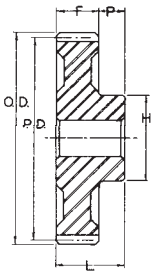

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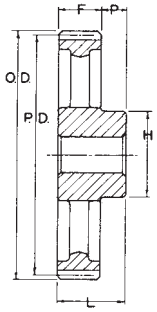
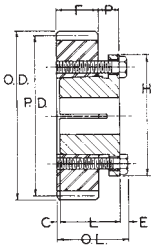


TYPE 4

Browning has All Three
Minimum Bore Gears — Large Hubs for Reboring
Finished Bore Gears — All Steel } **Off the Shelf**
Bushing type — Split Taper Bushings } **Ready to use**



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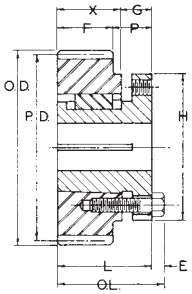

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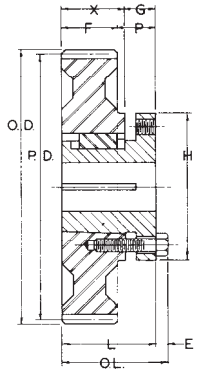

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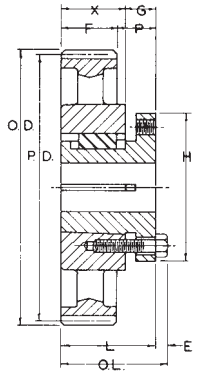


TYPE 16

Bore Range

Table No .2

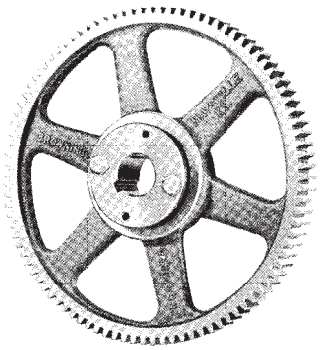
Bushing	Bore Range
H	3/8" to 1 1/2"
P1	1/2 to 1 3/4
Q1	3/4 to 2 11/16

Standard Keyseats

Table No. 3

Bore Range	Keyseat
3/8" — 7/16"	None
1/2 — 9/16	1/8" x 1/16"
5/8 — 7/8	3/16 x 3/32
15/16 — 1 1/4	1/4 x 1/8
1 5/16 — 1 3/8	5/16 x 5/32
1 7/16 — 1 3/4	3/8 x 3/16
1 13/16 — 2 1/4	1/2 x 1/4
2 5/16 — 2 11/16	5/8 x 5/16

1 3/8" Bore Bushings also available with 3/8" x 3/16" Keyseat.



BROWNING® Stock Gears

BROWNING Split Taper® Bushings

Bore Range

Table No. 1

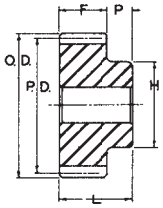
Bushing	Bore Range
P1	1/2" — 1 3/4"
Q1	3/4 — 2 11/16

Standard Keyseats

Table No. 2

Bore Range	Keyseat
3/8" — 7/16"	None
1/2 — 9/16	1/8" x 1/16"
5/8 — 7/8	3/16 x 3/32
15/16 — 1 1/4	1/4 x 1/8
1 5/16 — 1 3/8	5/16 x 5/32
1 7/16 — 1 3/4	3/8 x 3/16
1 13/16 — 2 1/4	1/2 x 1/4
2 5/16 — 2 3/4	5/8 x 5/16

1 3/8" Bore Bushings also available with 3/8" x 3/16" Keyseat.



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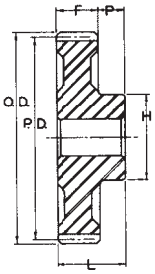

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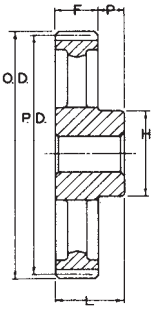
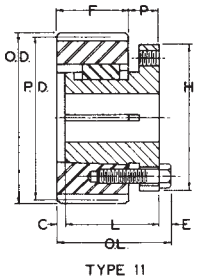


TYPE 4

Browning Gears are all Individually Packaged Easy to Stock Easy to Identify



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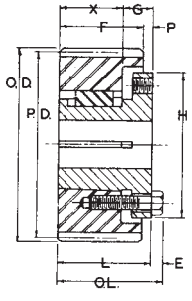

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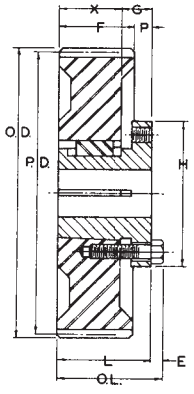

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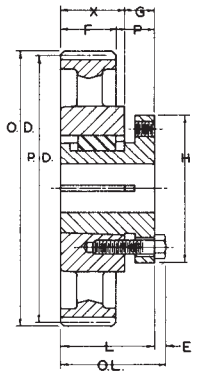
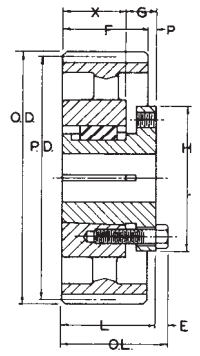


TYPE 16



TYPE 17

6 Pitch — 1 1/2" Face — 14 1/2° Pressure Angle

Table No. 1

Stock Steel and Cast Iron Minimum Bore Spur Gears

Part No.	Diameter		No. of Teeth	Type	Bore		Dimensions				Wt. Lbs.
	Pitch	Nominal O.D.			Stock	Max.	F	L	P	H	
NSS611*	2.000"	2.33"	11	2	1"	1"	1 1/2"	2 3/8"	7/8"	1 1/2"	.9
NSS612	2.000	2.33	12	2	1	1	1 1/2	2 3/8	7/8	1 1/2	1.0
NSS614	2.333	2.66	14	2	1	1 1/8	1 1/2	2 3/8	7/8	1 13/16	1.5
NSS615	2.500	2.83	15	2	1	1 1/4	1 1/2	2 3/8	7/8	2	2.2
NSS616	2.667	3.00	16	2	1	1 3/8	1 1/2	2 3/8	7/8	2 5/32	2.6
NSS618	3.000	3.33	18	2	1	1 5/8	1 1/2	2 3/8	7/8	2 1/2	3.7
NSS620	3.333	3.66	20	2	1	1 3/4	1 1/2	2 3/8	7/8	2 27/32	4.7
NSS621	3.500	3.83	21	2	1	1	1 1/2	2 3/8	7/8	3	5.2
NSS624	4.000	4.33	24	2	1 1/8	2	1 1/2	2 1/2	1	3	6.6
NSS627	4.500	4.83	27	2	1 1/8	2	1 1/2	2 1/2	1	3	8.0
NSS630	5.000	5.33	30	2	1 1/8	2 1/8	1 1/2	2 1/2	1	3 1/8	9.8
NSS632	5.333	5.66	32	2	1 1/8	2 1/8	1 1/2	2 1/2	1	3 1/8	11.0
NSS633	5.500	5.83	33	2	1 1/8	2 1/4	1 1/2	2 1/2	1	3 1/4	11.6
NSS636	6.000	6.33	36	2	1 1/8	2 1/4	1 1/2	2 1/2	1	3 1/4	14.2
NSS640	6.667	7.00	40	2	1 1/8	2 1/4	1 1/2	2 1/2	1	3 1/4	17.0
NSS642	7.000	7.33	42	2	1 1/8	2 1/4	1 1/2	2 1/2	1	3 1/4	17.8
NCS648	8.000	8.33	48	4	1 1/8	2	1 1/2	2 1/2	1	3 1/4	12.6
NCS654	9.000	9.33	54	4	1 1/8	2	1 1/2	2 1/2	1	3 1/4	13.9
NCS660	10.000	10.33	60	4	1 1/4	2	1 1/2	2 3/4	1 1/4	3 1/4	16.0
NCS664	10.667	11.00	64	4	1 1/4	2	1 1/2	2 3/4	1 1/4	3 1/4	17.4
NCS666	11.000	11.33	66	4	1 1/4	2	1 1/2	2 3/4	1 1/4	3 1/4	17.9
NCS672	12.000	12.33	72	4	1 1/4	2	1 1/2	2 3/4	1 1/4	3 1/4	20.3
NCS684	14.000	14.33	84	4	1 1/4	2	1 1/2	2 3/4	1 1/4	3 1/4	22.0
NCS696	16.000	16.33	96	4	1 1/4	2	1 1/2	2 3/4	1 1/4	3 1/4	27.9
NCS6108	18.000	18.33	108	4	1 1/4	2	1 1/2	2 3/4	1 1/4	3 1/4	34.3
NCS6120	20.000	20.33	120	4	1 1/4	2 1/4	1 1/2	3	1 1/2	3 1/2	42.5
NCS6144	24.000	24.33	144	4	1 1/4	2 1/4	1 1/2	3	1 1/2	3 3/4	50.0

*Enlarged Pinion Tooth Form – Pitch Diameter is Special. Use For Calculating Center Distance but not for Ratio.

All 42 Tooth Gears and smaller are Steel. All larger sizes, Cast Iron.

Table No. 2

Stock Steel and Cast Iron Spur Gears with Browning Split Taper® Bushings

Part No.		Diameter		No. Teeth	Type	Dimensions									Wt Lbs. Less Bush.
Gear	Bush.	Pitch	Nominal O.D.			F	O.L.	L	P	C	H	G	X	E	
NSS6P21	P1	3.500"	3.83"	21	11	1 1/2"	2 3/8"	1 15/16"	5/8"	3/16"	3"	—	—	1/4"	2.7
NSS6P24	P1	4.000	4.33	24	11	1 1/2	2 3/8	1 15/16	5/8	3/16	3	—	—	1/4	3.9
NSS6P30	P1	5.000	5.33	30	12	1 1/2	2 3/16	1 15/16	7/16	—	3	5/8	1 5/16	1/4	6.5
NSS6P32	P1	5.333	5.66	32	12	1 1/2	2 3/16	1 15/16	7/16	—	3	5/8	1 5/16	1/4	7.7
NSS6P33	P1	5.500	5.83	33	12	1 1/2	2 3/16	1 15/16	7/16	—	3	5/8	1 5/16	1/4	8.1
NSS6P36	P1	6.000	6.33	36	12	1 1/2	2 3/16	1 15/16	7/16	—	3	5/8	1 5/16	1/4	10.1
NSS6P40	P1	6.667	7.00	40	12	1 1/2	2 3/16	1 15/16	7/16	—	3	5/8	1 5/16	1/4	12.6
NSS6P42	P1	7.000	7.33	42	12	1 1/2	2 3/16	1 15/16	7/16	—	3	5/8	1 5/16	1/4	14.2
NCS6P48	P1	8.000	8.33	48	17	1 1/2	2 3/16	1 15/16	7/16	—	3	5/8	1 5/16	1/4	9.2
NCS6P60	P1	10.000	10.33	60	17	1 1/2	2 3/16	1 15/16	7/16	—	3	5/8	1 5/16	1/4	12.1
NCS6P64	P1	10.667	11.00	64	17	1 1/2	2 3/16	1 15/16	7/16	—	3	5/8	1 5/16	1/4	14.5
NCS6P72	P1	12.000	12.33	72	17	1 1/2	2 3/16	1 15/16	7/16	—	3	5/8	1 5/16	1/4	16.6
NCS6Q84	Q1	14.000	14.33	84	16	1 1/2	2 25/32	2 1/2	1	—	4 1/8	3/4	1 3/4	9/32	22.8
NCS6Q96	Q1	16.000	16.33	96	16	1 1/2	2 25/32	2 1/2	1	—	4 1/8	3/4	1 3/4	9/32	26.8
NCS6Q108	Q1	18.000	18.33	108	16	1 1/2	2 25/32	2 1/2	1	—	4 1/8	3/4	1 3/4	9/32	31.4
NCS6Q120	Q1	20.000	20.33	120	16	1 1/2	2 25/32	2 1/2	1	—	4 1/8	3/4	1 3/4	9/32	44.2
NCS6Q132	Q1	22.000	22.33	132	16	1 1/2	2 25/32	2 1/2	1	—	4 1/8	3/4	1 3/4	9/32	39.1
NCS6Q144	Q1	24.000	24.33	144	16	1 1/2	2 25/32	2 1/2	1	—	4 1/8	3/4	1 3/4	9/32	44.8

All 42 Tooth Gears and smaller are Steel. All larger sizes, Cast Iron.

All Browning® Gears are made to AGMA Standards
Each gear is individually marked and packaged
Gear charting equipment is used to check and help provide high quality stock gears at low cost

F

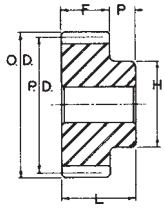
5 Pitch — 1 3/4" Face — 14 1/2° Pressure Angle

Table No. 1

Stock Steel and Cast Iron Minimum Bore Spur Gears

Part No.	Diameter		No. Teeth	Type	Bore		Dimensions				Wt. Lbs.
	Pitch	Nominal O.D.			Stock	Max.	F	L	P	H	
NSS511*	2.400"	2.80"	11	2	1 1/16"	1 1/16"	1 3/4"	2 5/8"	7/8"	1 13/16"	2.0
NSS512	2.400	2.80	12	2	1 1/16	1 1/16	1 3/4	2 5/8	7/8	1 13/16	2.9
NSS514	2.800	3.20	14	2	1 1/16	1 3/8	1 3/4	2 5/8	7/8	2 3/16	3.1
NSS515	3.000	3.40	15	2	1 1/16	1 1/2	1 3/4	2 5/8	7/8	2 3/8	3.6
NSS516	3.200	3.60	16	2	1 1/16	1 3/4	1 3/4	2 5/8	7/8	2 5/8	4.4
NSS518	3.600	4.00	18	2	1 1/16	2	1 3/4	2 5/8	7/8	3	5.9
NSS520	4.000	4.40	20	2	1 1/16	2 3/8	1 3/4	2 5/8	7/8	3 3/8	7.6
NSS524	4.800	5.20	24	2	1 1/16	2 3/8	1 3/4	3	1 1/4	3 3/8	11.1
NSS525	5.000	5.40	25	2	1 1/16	2 3/8	1 3/4	3	1 1/4	3 3/8	12.1
NSS530	6.000	6.40	30	2	1 1/16	2 3/8	1 3/4	3	1 1/4	3 3/8	16.3
NSS535	7.000	7.40	35	2	1 3/16	2 3/8	1 3/4	3	1 1/4	3 3/8	22.0
NCS540	8.000	8.40	40	4	1 3/16	2 1/8	1 3/4	3	1 1/4	3 3/8	15.6
NCS545	9.000	9.40	45	4	1 3/16	2 1/8	1 3/4	3	1 1/4	3 3/8	17.9
NCS550	10.000	10.40	50	4	1 3/16	2 1/4	1 3/4	3	1 1/4	3 3/4	21.3
NCS555	11.000	11.40	55	4	1 3/16	2 1/4	1 3/4	3	1 1/4	3 3/4	24.5
NCS560	12.000	12.40	60	4	1 3/16	2 1/4	1 3/4	3	1 1/4	3 3/4	26.8
NCS570	14.000	14.40	70	4	1 3/16	2 1/4	1 3/4	3	1 1/4	3 3/4	31.5
NCS580	16.000	16.40	80	4	1 3/16	2 1/4	1 3/4	3	1 1/4	3 3/4	36.1
NCS5100	20.000	20.40	100	4	1 5/16	2 3/4	1 3/4	3 1/4	1 1/2	4 1/2	52.0
NCS5120	24.000	24.40	120	4	1 5/16	2 3/4	1 3/4	3 1/4	1 1/2	4 1/2	59.5

***Enlarged Pinion Tooth Form – Pitch Diameter is Special. Use for calculating Center Distance but not for Ratio.**
All 35 Tooth Gears and smaller are Steel. All larger sizes, Cast Iron.



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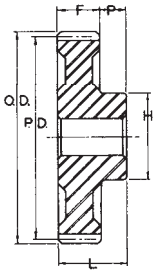

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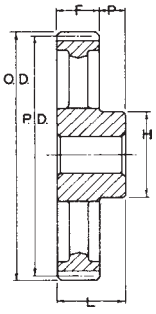

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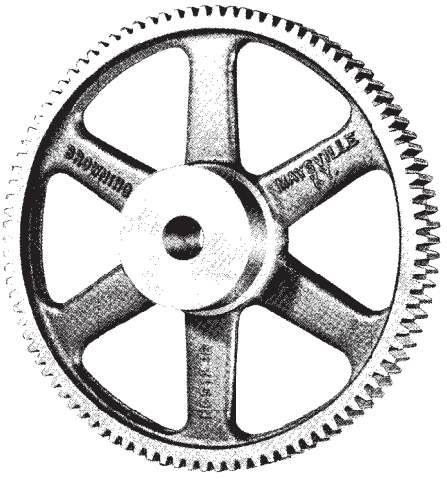
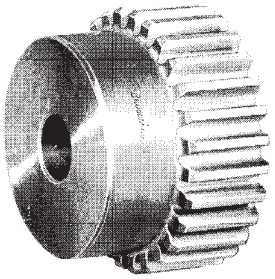




Steel and Cast Iron Gears

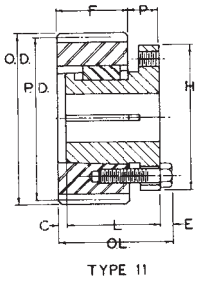
5 Pitch — 1 3/4" Face — 14 1/2° Pressure Angle

Table No. 1

Stock Steel and Cast Iron Spur Gears with Browning Split Taper® Bushings

Part No.		Diameter		No. Teeth.	Type	Dimensions									Wt. Lbs. Less Bush.
Gear	Bush.	Pitch	Nominal O.D.			F	O.L.	L	P	C	H	G	X	E	
NSS5P18	P1	3.600"	4.00"	18	11	1 3/4"	2 5/8"	1 15/16"	5/8"	7/16"	3"	—	—	1/4"	3.4
NSS5P20	P1	4.000	4.40	20	11	1 3/4	2 5/8	1 15/16	5/8	7/16	3	—	—	1/4	4.5
NSS5P24	P1	4.800	5.20	24	12	1 3/4	2 3/16	1 15/16	3/16	—	3	5/8"	1 5/16"	1/4	6.4
NSS5P30	P1	6.000	6.40	30	12	1 3/4	2 3/16	1 15/16	3/16	—	3	5/8	1 5/16	1/4	10.6
NSS5P35	P1	7.000	7.40	35	12	1 3/4	2 3/16	1 15/16	3/16	—	3	5/8	1 5/16	1/4	14.9
NCS5Q40	Q1	8.000	8.40	40	16	1 3/4	2 25/32	2 1/2	3/4	—	4 1/8	3/4	1 3/4	9/32	14.7
NCS5Q45	Q1	9.000	9.40	45	16	1 3/4	2 25/32	2 1/2	3/4	—	4 1/8	3/4	1 3/4	9/32	17.4
NCS5Q50	Q1	10.000	10.40	50	16	1 3/4	2 25/32	2 1/2	3/4	—	4 1/8	3/4	1 3/4	9/32	17.4
NCS5Q60	Q1	12.000	12.40	60	16	1 3/4	2 25/32	2 1/2	3/4	—	4 1/8	3/4	1 3/4	9/32	21.6
NCS5Q70	Q1	14.000	14.40	70	16	1 3/4	2 25/32	2 1/2	3/4	—	4 1/8	3/4	1 3/4	9/32	28.0
NCS5Q80	Q1	16.000	16.40	80	16	1 3/4	2 25/32	2 1/2	3/4	—	4 1/8	3/4	1 3/4	9/32	33.5
NCS5Q90	Q1	18.000	18.40	90	16	1 3/4	2 25/32	2 1/2	3/4	—	4 1/8	3/4	1 3/4	9/32	36.5
NCS5Q120	Q1	24.000	24.40	120	16	1 3/4	2 25/32	2 1/2	3/4	—	4 1/8	3/4	1 3/4	9/32	52.0

All 35 Tooth Gears and smaller are Steel. All larger sizes, Cast Iron



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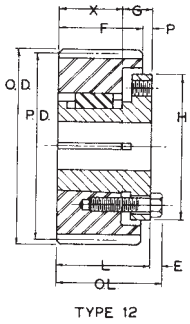

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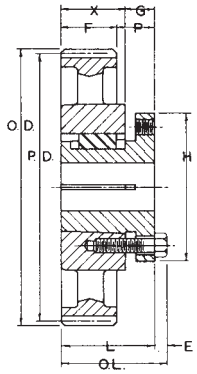


TYPE 16

Bore Range

Table No .2

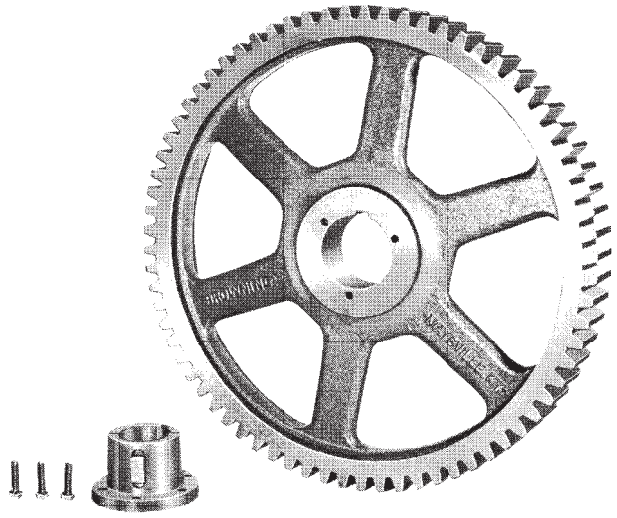
Bushing	Bore Range
P1	1/2" — 1 3/4"
Q1	3/4 — 2 11/16

Standard Keyseats

Table No .3

Bore Range	Keyseat
1/2" — 9/16"	1/8" x 1/16"
5/8 — 7/8	3/16 x 3/32
15/16 — 1 1/4	1/4 x 1/8
1 15/16 — 1 3/8	5/16 x 5/32
1 7/16 — 1 3/4	3/8 x 3/16
1 13/16 — 2 1/4	1/2 x 1/4
2 5/16 — 2 11/16	5/8 x 5/16
2 13/16 — 3 1/4	3/4 x 3/8

1 3/8" Bore Bushing also available with 3/8" x 3/16" Keyseat.



Browning® Bushed Gears hold the shaft with Clamp Fit and eliminate costly reworking on replacement gears.

F

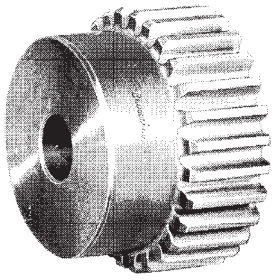
4 Pitch 2" Face 14 1/2° Pressure Angle

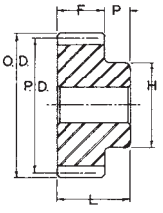
Table No. 1

Stock Steel and Cast Iron Minimum Bore Spur Gears

Part No.	Diameter		No. Teeth	Type	Bore		Dimensions				Wt. Lbs.
	Pitch	Nominal O.D.			Stock	Max.	F	L	P	H	
NSS411*	3.000"	3.50"	11	2	1 1/8"	1 3/8"	2"	2 7/8"	7/8"	2 1/4"	3.8
NSS412	3.000	3.50	12	2	1 1/8	1 3/8	2	2 7/8	7/8	2 1/4	4.1
NSS414	3.500	4.00	14	2	1 1/8	1 7/8	2	2 7/8	7/8	2 3/4	5.8
NSS415	3.750	4.25	15	2	1 1/8	2	2	2 7/8	7/8	3	6.8
NSS416	4.000	4.50	16	2	1 1/8	2 1/4	2	2 7/8	7/8	3 1/4	8.3
NSS418	4.500	5.00	18	2	1 1/8	2 5/8	2	2 7/8	7/8	3 3/4	10.7
NSS420	5.000	5.50	20	2	1 1/8	3	2	2 7/8	7/8	4 1/4	13.6
NSS422	5.500	6.00	22	2	1 1/8	3 3/8	2	2 7/8	7/8	4 3/4	16.8
NSS424	6.000	6.50	24	2	1 1/8	3 3/8	2	3 1/2	1 1/2	4 3/4	22.4
NSS428	7.000	7.50	28	2	1 1/4	3 3/8	2	3 1/2	1 1/2	4 3/4	28.1
NCS430	7.500	8.00	30	3	1 1/4	2 5/8	2	3 1/2	1 1/2	4 1/4	24.6
NCS432	8.000	8.50	32	3	1 1/4	2 5/8	2	3 1/2	1 1/2	4 1/4	25.6
NCS436	9.000	9.50	36	3	1 1/4	2 5/8	2	3 1/2	1 1/2	4 1/4	30.9
NCS440	10.000	10.50	40	4	1 1/4	2 5/8	2	3 1/2	1 1/2	4 1/4	29.0
NCS442	10.500	11.00	42	4	1 1/4	2 5/8	2	3 1/2	1 1/2	4 1/4	30.2
NCS444	11.000	11.50	44	4	1 1/4	2 5/8	2	3 1/2	1 1/2	4 1/4	32.5
NCS448	12.000	12.50	48	4	1 1/4	2 3/4	2	3 1/2	1 1/2	4 1/2	37.5
NCS454	13.500	14.00	54	4	1 1/4	2 3/4	2	3 1/2	1 1/2	4 1/2	41.8
NCS456	14.000	14.50	56	4	1 1/4	2 3/4	2	3 1/2	1 1/2	4 1/2	40.6
NCS460	15.000	15.50	60	4	1 1/4	2 3/4	2	3 1/2	1 1/2	4 1/2	45.9
NCS464	16.000	16.50	64	4	1 1/4	2 3/4	2	3 1/2	1 1/2	4 1/2	48.3
NCS472	18.000	18.50	72	4	1 1/4	2 3/4	2	3 1/2	1 1/2	4 3/4	59.5
NCS480	20.000	20.50	80	4	1 3/8	2 3/4	2	3 1/2	1 1/2	4 3/4	63.0
NCS488	22.000	22.50	88	4	1 3/8	2 3/4	2	3 3/4	1 3/4	4 3/4	70.5
NCS496	24.000	24.50	96	4	1 3/8	3	2	3 3/4	1 3/4	5	78.0
NCS4120	30.000	30.50	120	4	1 3/8	3	2	3 3/4	1 3/4	5	112.0
NCS4144	36.000	36.50	144	4	1 3/8	3	2	3 3/4	1 3/4	5	161.0

***Enlarged Pinion Tooth Form – Pitch Diameter is Special. Use for calculating Center Distance but not for Ratio.**
All 28 Tooth Gears and smaller are Steel. All larger sizes, Cast Iron.





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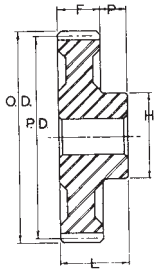

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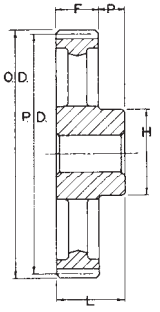


TYPE 4

For High Torque, Shock Applications Use Browning® Bushed Gears

In Stock Ready to Ship

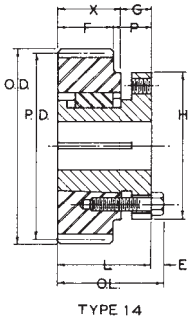
4Pitch 2”Face 14 1/2° Pressure Angle

Table No. 1

Stock Steel and Cast Iron Spur Gears with Browning Split Taper® Bushings

Part No.		Diameter		No. Teeth	Type	Dimensions								Wt. Lbs. Less Bush.
Gear	Bush.	Pitch	Nominal O.D.			F	O.L.	L	P	H	G	X	E	
NSS4P15	P2	3.750”	4.25”	15	14	2”	3 3/16”	2 15/16”	15/16”	3”	5/8”	2 5/16”	1/4”	4.7
NSS4P16	P2	4.000	4.50	16	14	2	3 3/16	2 15/16	15/16	3	5/8	2 5/16	1/4	5.6
NSS4P20	P2	5.000	5.50	20	14	2	3 3/16	2 15/16	15/16	3	5/8	2 5/16	1/4	9.6
NSS4P24	P2	6.000	6.50	24	14	2	3 3/16	2 15/16	15/16	3	5/8	2 5/16	1/4	14.4
NSS4P28	P2	7.000	7.50	28	14	2	3 3/16	2 15/16	15/16	3	5/8	2 5/16	1/4	20.4
NCS4Q30	Q1	7.500	8.00	30	17	2	2 25/32	2 1/2	1/2	4 1/8	3/4	1 3/4	9/32	18.1
NCS4Q32	Q1	8.000	8.50	32	17	2	2 25/32	2 1/2	1/2	4 1/8	3/4	1 3/4	9/32	16.2
NCS4Q36	Q1	9.000	9.50	36	17	2	2 25/32	2 1/2	1/2	4 1/8	3/4	1 3/4	9/32	19.5
NCS4Q40	Q1	10.000	10.50	40	17	2	2 25/32	2 1/2	1/2	4 1/8	3/4	1 3/4	9/32	25.6
NCS4Q44	Q1	11.000	11.50	44	17	2	2 25/32	2 1/2	1/2	4 1/8	3/4	1 3/4	9/32	24.9
NCS4Q48	Q1	12.000	12.50	48	17	2	2 25/32	2 1/2	1/2	4 1/8	3/4	1 3/4	9/32	27.8
NCS4Q54	Q1	13.500	14.00	54	17	2	2 25/32	2 1/2	1/2	4 1/8	3/4	1 3/4	9/32	31.1
NCS4Q56	Q1	14.000	14.50	56	17	2	2 25/32	2 1/2	1/2	4 1/8	3/4	1 3/4	9/32	32.3
NCS4Q60	Q1	15.000	15.50	60	17	2	2 25/32	2 1/2	1/2	4 1/8	3/4	1 3/4	9/32	35.9
NCS4Q64	Q1	16.000	16.50	64	17	2	2 25/32	2 1/2	1/2	4 1/8	3/4	1 3/4	9/32	39.9
NCS4Q72	Q1	18.000	18.50	72	17	2	2 25/32	2 1/2	1/2	4 1/8	3/4	1 3/4	9/32	43.3
NCS4R80	R1	20.000	20.50	80	16	2	3 5/32	2 7/8	7/8	5 3/8	7/8	2	9/32	52.5
NCS4R88	R1	22.000	22.50	88	16	2	3 5/32	2 7/8	7/8	5 3/8	7/8	2	9/32	60.3
NCS4R96	R1	24.000	24.50	96	16	2	3 5/32	2 7/8	7/8	5 3/8	7/8	2	9/32	65.5
NCS4R120	R1	30.000	30.50	120	16	2	3 5/32	2 7/8	7/8	5 3/8	7/8	2	9/32	96.5
NCS4R144	R1	36.000	36.50	144	16	2	3 5/32	2 7/8	7/8	5 3/8	7/8	2	9/32	127

All 28 Tooth Gears and smaller are Steel. All larger sizes, Cast Iron.



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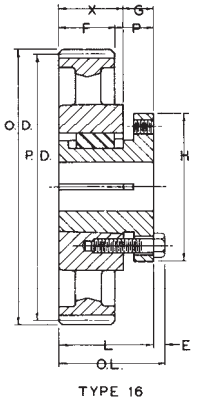

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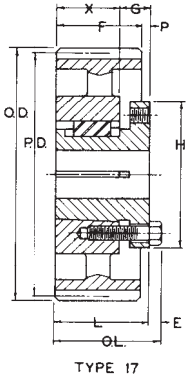

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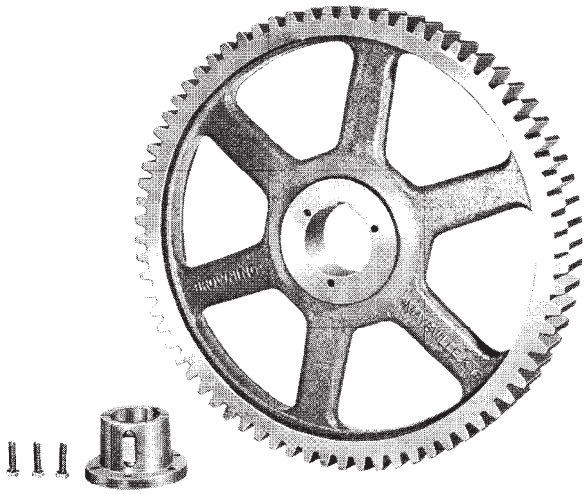


Bore Range

Table No. 2

Bushing	Bore Range
P2	3/4” to 1 3/4”
Q1	3/4 to 2 11/16
R1	1 1/8 to 3 3/4

Standard Keyseats

Table No. 3

Bore Range	Keyseat
3/4” to 7/8”	3/16” x 3/32”
15/16 to 1 1/4	1/4 x 1/8
1 5/16 & 1 3/8	5/16 x 5/32
1 7/16 to 1 3/4	3/8 x 3/16
1 13/16 to 2 1/4	1/2 x 1/4
2 5/16 to 2 3/4	5/8 x 5/16
2 13/16 to 3 1/4	3/4 x 3/8
3 3/8 to 3 3/4	7/8 x 7/16

1 3/8” Bore Bushings also available with 3/8” x 3/16” Ks.

Precision Inspected

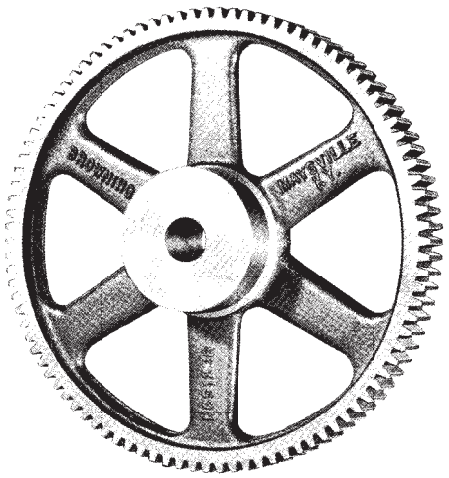
3 Pitch 3" Face 14 1/2° Pressure Angle

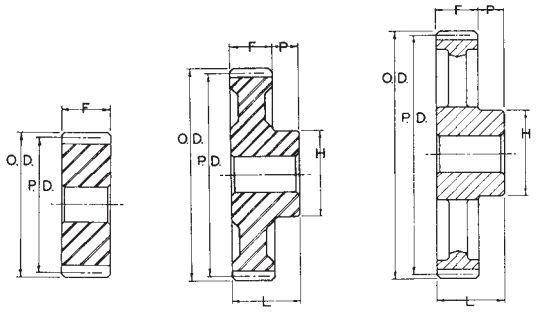
Table No. 1

Stock Steel and Cast Iron Minimum Bore Spur Gears

Part No.	Diameter		No. Teeth	Type	Bore		Dimensions				Wt. Lbs.
	Pitch	Nominal O.D.			Stock	Max.	F	L	P	H	
NSS311A*	4.000"	4.66"	11	A2	1 5/16"	1 7/16"	4"	4"	—	—	11.7
NSS312A	4.000	4.66	12	A2	1 5/16	1 7/16	4	4	—	—	11.8
NSS314A	4.667	5.33	14	A2	1 5/16	2	3	3	—	—	12.6
NSS315A	5.000	5.66	15	A2	1 5/16	2 1/4	3	3	—	—	14.8
NSS316A	5.333	6.00	16	A2	1 5/16	2 3/8	3	3	—	—	17.0
NSS318A	6.000	6.66	18	A2	1 5/16	3	3	3	—	—	22.0
NSS320A	6.667	7.33	20	A2	1 5/16	3 5/8	3	3	—	—	27.8
NSS321A	7.000	7.66	21	A2	1 5/16	3 15/16	3	3	—	—	30.6
NSS324	8.000	8.66	24	3	1 7/16	3 1/4	3	4 1/4	1 1/4"	4 1/2"	41.0
NCS330	10.000	10.66	30	3	1 7/16	3 1/4	3	4 1/4	1 1/4"	5 1/4	53.5
NCS336	12.000	12.66	36	3	1 7/16	3 1/4	3	4 3/4	1 3/4	5 1/4	69.0
NCS342	14.000	14.66	42	4	1 7/16	3 1/4	3	4 3/4	1 3/4	5 1/4	73.5
NCS348	16.000	16.66	48	4	1 9/16	3 1/4	3	4 3/4	1 3/4	5 1/4	84.0
NCS354	18.000	18.66	54	4	1 9/16	3 1/4	3	4 3/4	1 3/4	5 1/4	95.0
NCS360	20.000	20.66	60	4	1 9/16	3 1/4	3	4 3/4	1 3/4	5 1/4	104
NCS372	24.000	24.66	72	4	1 11/16	3 3/8	3	4 3/4	1 3/4	5 3/4	142
NCS384	28.000	28.66	84	4	1 11/16	3 3/8	3	4 3/4	1 3/4	5 3/4	169
NCS396	32.000	32.66	96	4	1 15/16	3 3/8	3	4 3/4	1 3/4	5 3/4	183
NCS3108	36.000	36.66	108	4	1 15/16	3 3/8	3	4 3/4	1 3/4	5 3/4	219
NCS3120	40.000	40.66	120	4	1 15/16	3 5/8	3	4 3/4	1 3/4	6	240

*Enlarged Pinion Tooth Form – Pitch Diameter is Special. Use for calculating Center Distance but not for Ratio.
All 24 Tooth Gears and smaller are Steel. All larger sizes, Cast Iron.





Distribution Nation - Wide and in Canada

All Browning® Gears are made to AGMA Standards
Each gear is individually marked and packaged
Gear charting equipment is used to check and help provide high quality stock gears at low cost

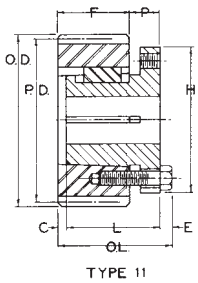
3 Pitch — 3" Face — 14 1/2° Pressure Angle

Table No. 1

Stock Steel and Cast Iron Spur Gears with Browning Split Taper® Bushings

Part No.		Diameter		No. Teeth	Type	Dimensions									Wt. Lbs. Less Bush.
Gear	Bush.	Pitch	Nominal O.D.			F	O.L.	L	P	C	H	G	X	E	
NSS3Q15	Q2	5.000"	5.66"	15	11	3"	4 1/32"	3 1/2"	3/4"	1/4"	4 1/8"	—	—	9/32"	10.5
NSS3Q18	Q2	6.000	6.66	18	11	3	4 1/32"	3 1/2	3/4	1/4	4 1/8	—	—	9/32	17.8
NSS3Q20	Q2	6.667	7.33	20	12	3	3 25/32	3 1/2	1/2	—	4 1/8	3/4"	2 3/4"	9/32	22.6
NSS3Q21	Q2	7.000	7.66	21	12	3	3 25/32	3 1/2	1/2	—	4 1/8	3/4	2 3/4	9/32	25.9
NSS3R24	R1	8.000	8.66	24	12	3	3 5/32	2 7/8	1/8*	—	5 3/8	7/8	2	9/32	25.4
NCS3R30	R1	10.000	10.66	30	18	3	3 5/32	2 7/8	1/8	—	5 3/8	7/8	2	9/32	40.0
NCS3R36	R1	12.000	12.66	36	18	3	3 5/32	2 7/8	1/8	—	5 3/8	7/8	2	9/32	50.5
NCS3R42	R1	14.000	14.66	42	18	3	3 5/32	2 7/8	1/8	—	5 3/8	7/8	2	9/32	56.0
NCS3R48	R1	16.000	16.66	48	18	3	3 5/32	2 7/8	1/8	—	5 3/8	7/8	2	9/32	65.5
NCS3R54	R1	18.000	18.66	54	18	3	3 5/32	2 7/8	1/8	—	5 3/8	7/8	2	9/32	77.0
NCS3R60	R1	20.000	20.66	60	18	3	3 5/32	2 7/8	1/8	—	5 3/8	7/8	2	9/32	87.0
NCS3R72	R1	24.000	24.66	72	18	3	3 5/32	2 7/8	1/8	—	5 3/8	7/8	2	9/32	114
NCS3S84	S1	28.000	28.66	84	16	3	4 3/4	4 3/8	1 3/8	—	6 3/8	1 1/16	3 5/16	3/8	151
NCS3S96	S1	32.000	32.66	96	16	3	4 3/4	4 3/8	1 3/8	—	6 3/8	1 1/16	3 5/16	3/8	180
NCS3S108	S1	36.000	36.66	108	16	3	4 3/4	4 3/8	1 3/8	—	6 3/8	1 1/16	3 5/16	3/8	198
NCS3S120	S1	40.000	40.66	120	16	3	4 3/4	4 3/8	1 3/8	—	6 3/8	1 1/16	3 5/16	3/8	244

All 24 Tooth Gears and smaller are Steel. All larger sizes, Cast Iron. *Face of bushing flange is under rim by amount shown.



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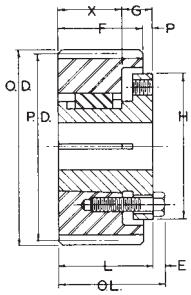

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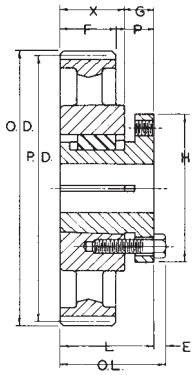

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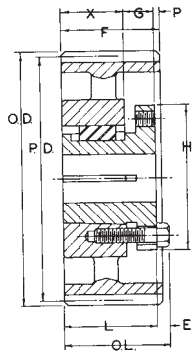


TYPE 18

Bore Range

Table No. 2

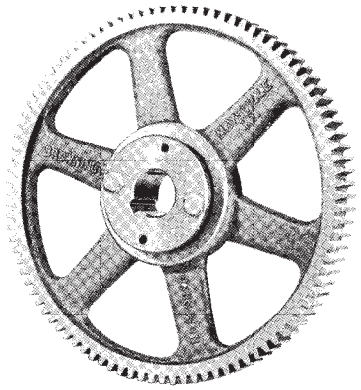
Bushing	Bore Range
Q2	1" — 2 5/8"
R1	1 1/8 — 3 3/4
S1	1 11/16 — 4 1/4

Standard Keyseats

Table No. 3

Bore Range	Keyseat
1" — 1 1/4"	1/4" X 1/8"
1 5/16 — 1 3/8	5/16 X 5/32
1 7/16 — 1 3/4	3/8 X 3/16
1 13/16 — 2 1/4	1/2 X 1/4
2 5/16 — 2 3/4	5/8 X 5/16
2 13/16 — 3 1/4	3/4 X 3/8
3 5/16 — 3 3/4	7/8 X 7/16
3 13/16 — 4 3/8	1 X 1/2

1 3/8" Bore Bushings also available with 3/8" x 3/16" Ks.



Browning® Bushed Gears hold the shaft with Clamp Fit and eliminate costly reworking on replacement gears.

20 Pitch 1/2" Face 20° Pressure Angle

Table No. 1

Stock Steel and Cast Iron Minimum Bore Spur Gears

Part No.	Diameter		No. Teeth	Type	Bore		Dimensions				Wt. Lbs.
	Pitch	Nominal O.D.			Stock	Max.	F	L	P	H	
YSS2012	.600"	.70"	12	2	5/16"	5/16"	1/2"	15/16"	7/16"	29/64"	.1
YSS2014	.700	.80	14	2	5/16	3/8	1/2	15/16	7/16	9/16	.1
YSS2015	.750	.85	15	2	3/8	3/8	1/2	15/16	7/16	39/64	.1
YSS2016	.800	.90	16	2	3/8	7/16	1/2	15/16	7/16	21/32	.1
YSS2018	.900	1.00	18	2	3/8	1/2	1/2	15/16	7/16	3/4	.1
YSS2020	1.000	1.10	20	2	1/2	1/2	1/2	15/16	7/16	55/64	.1
YSS2024	1.200	1.30	24	2	1/2	9/16	1/2	15/16	7/16	1 1/16	.2
YSS2025	1.250	1.35	25	2	1/2	5/8	1/2	15/16	7/16	1 7/64	.3
YSS2030	1.500	1.60	30	2	1/2	3/4	1/2	15/16	7/16	1 23/64	.4
YSS2035	1.750	1.85	35	2	1/2	7/8	1/2	1	1/2	1 9/16	.6
YSS2040	2.000	2.10	40	2	1/2	1	1/2	1	1/2	1 13/16	.8
YSS2045	2.250	2.35	45	2	1/2	1 1/4	1/2	1	1/2	2 1/16	1.0
YSS2050	2.500	2.60	50	2	1/2	1 1/4	1/2	1	1/2	2 1/16	1.1
YSS2060	3.000	3.10	60	2	1/2	1 1/4	1/2	1	1/2	2 1/16	1.4
YSS2070	3.500	3.60	70	2	1/2	1 1/4	1/2	1	1/2	2 1/16	1.8
YSS2080	4.000	4.10	80	2	5/8	1 1/4	1/2	1 1/8	5/8	2 1/16	1.9
YSS2084	4.200	4.30	84	2	5/8	1 1/4	1/2	1 1/8	5/8	2 1/16	2.6
YSS2090	4.500	4.60	90	2	5/8	1 1/4	1/2	1 1/8	5/8	2 1/16	2.1
YSS20100	5.000	5.10	100	2	5/8	1 1/4	1/2	1 1/8	5/8	2 1/16	2.5
YCS20120	6.000	6.10	120	4	5/8	1 1/4	1/2	1 1/8	5/8	2	2.5
YCS20140	7.000	7.10	140	4	5/8	1 1/4	1/2	1 1/8	5/8	2	2.9
YCS20160	8.000	8.10	160	4	5/8	1 1/4	1/2	1 1/8	5/8	2	3.3
YCS20180	9.000	9.10	180	4	5/8	1 1/4	1/2	1 1/4	3/4	2	3.9
YCS20200	10.000	10.10	200	4	5/8	1 1/4	1/2	1 1/4	3/4	2	4.3

All 100 Tooth Gears and smaller are Steel. All larger gears are Cast Iron.

F

20° P.A. Gears will not Mesh with 14 1/2° P.A. Gears

Bore Range

Table No. 2

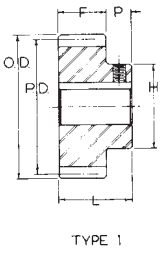
Bushing	Bore Range
G	3/8" to 1"
H	3/8 to 1 1/2
P1	1/2 to 1 3/4

Standard Keyseats

Table No. 3

Bore Range	Keyseat
3/8" & 7/16"	None
1/2 & 9/16	1/8" x 1/16"
5/8 to 7/8	3/16 x 3/32
15/16 to 1 1/4	1/4 x 1/8
1 5/16 & 1 3/8	5/16 x 5/32
1 7/16 to 1 3/4	3/8 x 3/16

1 3/8" Bore Bushings also available with 3/8" x 3/16" Ks.



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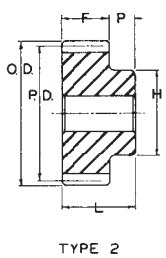

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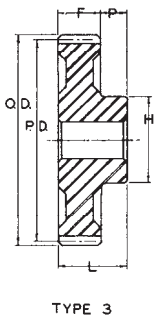

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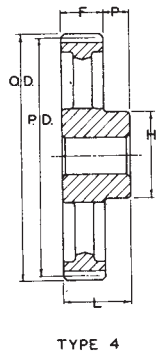

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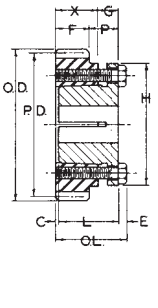

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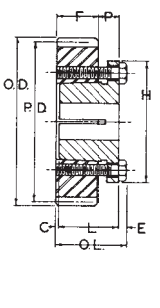

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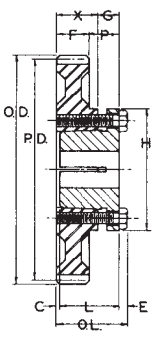

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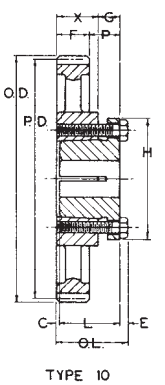

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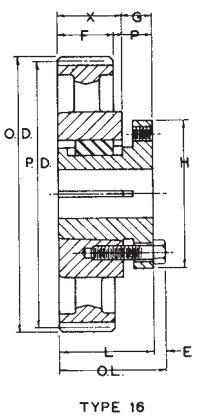


TYPE 16

16 Pitch 3/4" Face 20° Pressure Angle

Table No. 1

Stock Steel Finished Bore Spur Gears

Part No.	Diameter		No. Teeth	Type	Stock bores Marked "X"							Dimensions				Wt. Lbs.
	Pitch	Nominal O.D.			5/16"	3/8"	1/2"	5/8"	3/4"	7/8"	1"	F	L	P	H	
YSS16F12	.750"	.87"	12	1	X	—	—	—	—	—	—	3/4"	1 1/4"	1/2"	9/16"	.1
YSS16F14	.875	1.00	14	1	—	X	—	—	—	—	—	3/4	1 1/4	1/2	11/16	.1
YSS16F15	.938	1.06	15	1	—	X	X	—	—	—	—	3/4	1 1/4	1/2	3/4	.2
YSS16F16	1.000	1.12	16	1	—	X	X	—	—	—	—	3/4	1 1/4	1/2	13/16	.2
YSS16F18	1.125	1.25	18	1	—	—	X	—	—	—	—	3/4	1 1/4	1/2	15/16	.2
YSS16F20	1.250	1.37	20	1	—	—	X	X	—	—	—	3/4	1 1/4	1/2	1 1/16	.3
YSS16F24	1.500	1.62	24	1	—	—	X	X	X	—	—	3/4	1 1/4	1/2	1 5/16	.4
YSS16F28	1.750	1.87	28	1	—	—	—	X	X	—	—	3/4	1 1/4	1/2	1 1/2	.6
YSS16F30	1.875	2.00	30	1	—	—	—	X	X	X	—	3/4	1 1/4	1/2	1 5/8	.8
YSS16F32	2.000	2.12	32	1	—	—	—	X	X	X	X	3/4	1 1/4	1/2	1 3/4	.8

All of above Gears are Steel. Furnished with one Hollow Head Setscrew and Standard Keyseat except 1/2" bore and smaller which have Setscrew only.

Table No. 2

Stock Steel and Cast Iron Minimum Bore Spur Gears

Part No.	Diameter		No. Teeth	Type	Bore		Dimensions				Wt. Lbs.
	Pitch	Nominal O.D.			Stock	Max.	F	L	P	H	
YSS1612	.750"	.87"	12	2	3/8"	3/8"	3/4"	1 1/4"	1/2"	9/16"	.1
YSS1614	.875	1.00	14	2	3/8	7/16	3/4	1 1/4	1/2	11/16	.1
YSS1615	.938	1.06	15	2	3/8	1/2	3/4	1 1/4	1/2	3/4	.1
YSS1616	1.000	1.12	16	2	1/2	1/2	3/4	1 1/4	1/2	13/16	.1
YSS1618	1.125	1.25	18	2	1/2	9/16	3/4	1 1/4	1/2	15/16	.2
YSS1620	1.250	1.37	20	2	5/8	5/8	3/4	1 1/4	1/2	1 1/16	.3
YSS1624	1.500	1.62	24	2	5/8	3/4	3/4	1 1/4	1/2	1 5/16	.4
YSS1628	1.750	1.87	28	2	5/8	7/8	3/4	1 1/4	1/2	1 1/2	.6
YSS1630	1.875	2.00	30	2	5/8	1	3/4	1 1/4	1/2	1 5/8	.7
YSS1632	2.000	2.12	32	2	5/8	1	3/4	1 1/4	1/2	1 3/4	.8
YSS1636	2.250	2.37	36	2	5/8	1 1/4	3/4	1 1/4	1/2	2	1.1
YSS1640	2.500	2.62	40	2	5/8	1 3/8	3/4	1 3/8	5/8	2 1/4	1.5
YSS1648	3.000	3.12	48	2	5/8	1 3/8	3/4	1 3/8	5/8	2 1/4	2.2
YSS1656	3.500	3.62	56	2	5/8	1 3/8	3/4	1 3/8	5/8	2 1/4	2.6
YSS1660	3.750	3.87	60	2	5/8	1 3/8	3/4	1 3/8	5/8	2 1/4	2.9
YSS1664	4.000	4.12	64	2	3/4	1 3/8	3/4	1 1/2	3/4	2 1/2	3.3
YSS1672	4.500	4.62	72	2	3/4	1 5/8	3/4	1 1/2	3/4	2 1/2	3.7
YSS1680	5.000	5.12	80	2	3/4	1 5/8	3/4	1 1/2	3/4	2 1/2	4.2
YCS1696	6.000	6.12	96	4	3/4	1 1/2	3/4	1 1/2	3/4	2 1/2	3.7
YCS16112	7.000	7.12	112	4	3/4	1 1/2	3/4	1 1/2	3/4	2 1/2	4.3
YCS16128	8.000	8.12	128	4	3/4	1 1/2	3/4	1 1/2	3/4	2 1/2	5.0
YCS16144	9.000	9.12	144	4	3/4	1 1/2	3/4	1 1/2	3/4	2 1/2	5.4
YCS16160	10.000	10.12	160	4	7/8	1 1/2	3/4	1 1/2	3/4	2 1/2	6.0
YCS16192	12.000	12.12	192	4	7/8	1 1/2	3/4	1 3/4	1	2 1/2	7.9

All 80 Tooth Gears and smaller are Steel. All larger sizes, Cast Iron.

Table No. 3

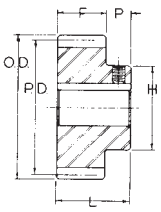
Stock Steel and Cast Iron Spur Gears with Browning Split Taper® Bushings

Part No.		Diameter		No. Teeth	Type	Dimensions									Wt. Lbs. Less Bush.
Gear	Bush.	Pitch	Nominal O.D.			F	O.L.	L	P	C	H	G	X	E	
YSS16G36	G	2.250"	2.37"	36	6	3/4"	1 3/8"	1"	7/16"	3/16"	2"	—	—	3/16"	.6
YSS16G40	G	2.500	2.62	40	6	3/4	1 3/8	1	7/16	3/16	2	—	—	3/16	.8
YSS16H48	H	3.000	3.12	48	5	3/4	1 1/2	1 1/4	9/16	1/16	2 1/2	7/16"	7/8"	3/16	1.0
YSS16H56	H	3.500	3.62	56	5	3/4	1 1/2	1 1/4	9/16	1/16	2 1/2	7/16	7/8	3/16	1.7
YSS16H64	H	4.000	4.12	64	5	3/4	1 1/2	1 1/4	9/16	1/16	2 1/2	7/16	7/8	3/16	2.3
YSS16H80	H	5.000	5.12	80	9	3/4	1 1/2	1 1/4	9/16	1/16	2 1/2	7/16	7/8	3/16	3.0
YCS16H96	H	6.000	6.12	96	10	3/4	1 1/2	1 1/4	9/16	1/16	2 1/2	7/16	7/8	3/16	3.0

All 80 Tooth Gears and smaller are Steel. All larger, Cast Iron.

12 Pitch **1" Face** **20° Pressure Angle**

Note: 20° Pressure Angle Gears will not Mesh with 14 1/2° Pressure Angle Gears



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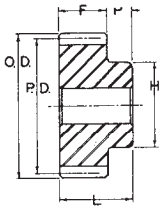

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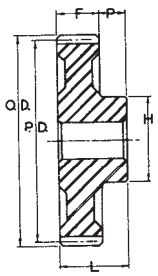

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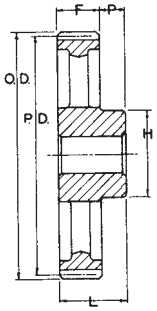

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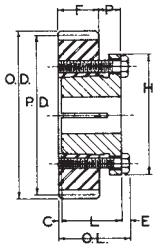

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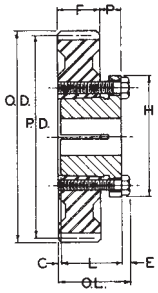

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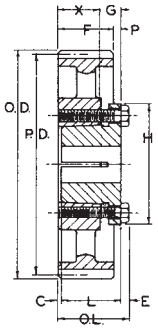

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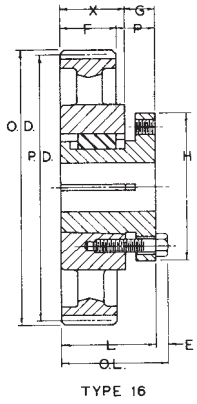


TYPE 16

Bore Range

Table No. 1

Bushing	Bore Range
G	3/8" to 1"
H	3/8 to 1 1/2
P1	1/2 to 1 3/4

Standard Keyseats

Table No. 2

Bore Range	Keyseat
3/8" & 7/16"	None
1/2 & 9/16	1/8" x 1/16"
5/8 to 7/8	3/16 x 3/32
15/16 to 1 1/4	1/4 x 1/8
1 5/6 & 1 3/8	5/16 x 5/32
1 7/16 to 1 3/4	3/8 x 3/16

1 3/8" Bore Bushings also available with 3/8" x 3/16" Ks.

For Engineering See Pages F-48 to F-71

12 Pitch 1" Face 20° Pressure Angle

Table No. 1

Stock Steel and Cast Iron Minimum Bore Spur Gears

Part No.	Diameter		No. Teeth	Type	Bore		Dimensions				Wt. Lbs.
	Pitch	Nominal O.D.			Stock	Max.	F	L	P	H	
YSS1212	1.000"	1.16"	12	2	1/2"	1/2"	1"	1 5/8"	5/8"	3/4"	.2
YSS1213	1.083	1.25	13	2	5/8	5/8	1	1 5/8	5/8	13/16	.2
YSS1214	1.167	1.33	14	2	5/8	5/8	1	1 5/8	5/8	29/32	.2
YSS1215	1.250	1.41	15	2	5/8	5/8	1	1 5/8	5/8	1	.3
YSS1216	1.333	1.50	16	2	5/8	5/8	1	1 5/8	5/8	1 1/16	.4
YSS1218	1.500	1.66	18	2	3/4	3/4	1	1 5/8	5/8	1 1/4	.4
YSS1220	1.667	1.83	20	2	3/4	3/4	1	1 5/8	5/8	1 13/32	.6
YSS1221	1.750	1.91	21	2	3/4	7/8	1	1 5/8	5/8	1 1/2	.7
YSS1224	2.000	2.16	24	2	3/4	1	1	1 5/8	5/8	1 3/4	1.0
YSS1228	2.333	2.50	28	2	3/4	1 1/4	1	1 5/8	5/8	2 1/16	1.3
YSS1230	2.500	2.66	30	2	3/4	1 3/8	1	1 5/8	5/8	2 1/4	1.8
YSS1236	3.000	3.16	36	2	3/4	1 5/8	1	1 7/8	7/8	2 1/2	3.0
YSS1242	3.500	3.66	42	2	3/4	1 5/8	1	1 7/8	7/8	2 1/2	3.6
YSS1248	4.000	4.16	48	2	7/8	1 5/8	1	1 7/8	7/8	2 1/2	4.5
YSS1254	4.500	4.66	54	2	7/8	1 5/8	1	1 7/8	7/8	2 1/2	5.4
YSS1260	5.000	5.16	60	2	7/8	1 5/8	1	1 7/8	7/8	2 1/2	5.2
YCS1266	5.500	5.66	66	4	7/8	1 9/16	1	1 7/8	7/8	2 5/8	4.6
YCS1272	6.000	6.16	72	4	7/8	1 9/16	1	1 7/8	7/8	2 5/8	5.0
YCS1284	7.000	7.16	84	4	7/8	1 9/16	1	1 7/8	7/8	2 5/8	5.8
YCS1296	8.000	8.16	96	4	7/8	1 9/16	1	1 7/8	7/8	2 5/8	6.6
YCS12108	9.000	9.16	108	4	7/8	1 9/16	1	1 7/8	7/8	2 5/8	7.1
YCS12120	10.000	10.16	120	4	1	1 9/16	1	1 7/8	7/8	2 5/8	7.8
YCS12132	11.000	11.16	132	4	1	1 9/16	1	2	1	2 5/8	10.9
YCS12144	12.000	12.16	144	4	1	1 9/16	1	2	1	2 5/8	11.8
YCS12168	14.000	14.16	168	4	1	1 9/16	1	2	1	2 5/8	13.7
YCS12192	16.000	16.16	192	4	1	1 9/16	1	2	1	2 5/8	17.3
YCS12216	18.000	18.16	216	4	1	1 5/8	1	2	1	2 3/4	21.0

All 60 Tooth Gears and smaller are Steel. All larger sizes, Cast Iron.

Table No. 2

Stock Steel and Cast Iron Spur Gears with Browning Split Taper® Bushings

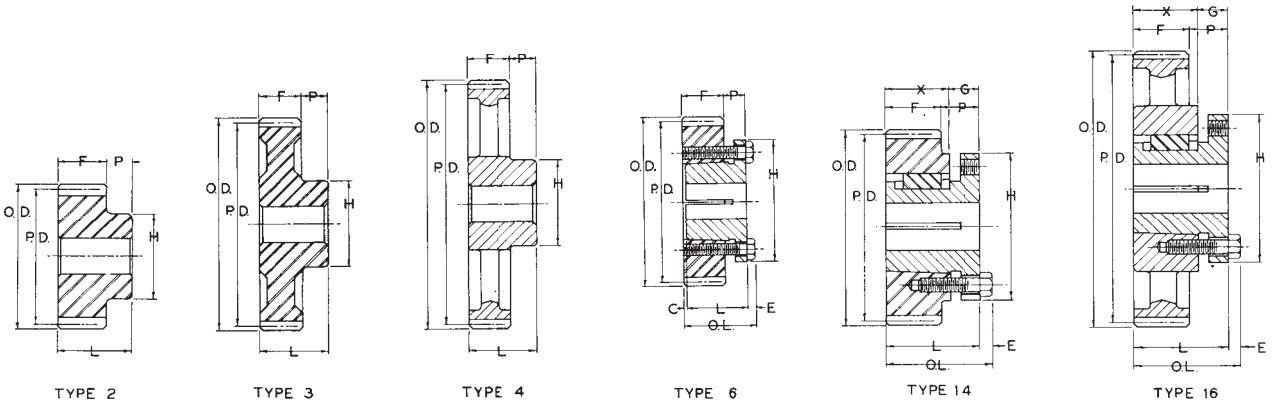
Part No.		Diameter		No. Teeth	Type	Dimensions									Wt. Lbs. Less Bush.
Gear	Bush.	Pitch	Nominal O.D.			F	O.L.	L	P	C	H	G	X	E	
YSS12H36	H	3.000"	3.16"	36	6	1"	1 5/8"	1 1/4"	7/16"	3/16"	2 1/2"	—	—	3/16"	1.4
YSS12H42	H	3.500	3.66	42	6	1	1 5/8	1 1/4	7/16	3/16	2 1/2	—	—	3/16	2.0
YSS12H48	H	4.000	4.16	48	6	1	1 5/8	1 1/4	7/16	3/16	2 1/2	—	—	3/16	3.0
YSS12H60	H	5.000	5.16	60	7	1	1 5/8	1 1/4	7/16	3/16	2 1/2	—	—	3/16	3.5
YCS12H72	H	6.000	6.16	72	8	1	1 1/2	1 1/4	5/16	1/16	2 1/2	7/16"	7/8"	3/16	3.4
YCS12H84	H	7.000	7.16	84	8	1	1 1/2	1 1/4	5/16	1/16	2 1/2	7/16	7/8	3/16	4.5
YCS12H96	H	8.000	8.16	96	8	1	1 1/2	1 1/4	5/16	1/16	2 1/2	7/16	7/8	3/16	5.2
YCS12H108	H	9.000	9.16	108	8	1	1 1/2	1 1/4	5/16	1/16	2 1/2	7/16	7/8	3/16	5.8
YCS12P144	P1	12.000	12.16	144	16	1	2 3/16	1 15/16	15/16	—	3	5/8	1 5/16	1/4	10.5

All 60 Tooth Gears and smaller are Steel. All larger sizes, Cast Iron.

F

10 Pitch **1 1/4" Face** **20° Pressure Angle**

BROWNING® Gears — The most complete line of Stock Gears in Finished Bore, Minimum Bore and Bushing Types.



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Steel and Cast Iron Gears of best quality accurately machined and inspected.

Bore Range

Table No. 1

Bushing	Bore Range
H	3/8" to 1 1/2"
P1	1/2 to 1 3/4
Q1	3/4 to 2 11/16

Standard Keyseats

Table No. 2

Bore Range	Keyseat
3/8" & 7/16"	None
1/2 & 9/16	1/8" x 1/16"
5/8 to 7/8	3/16 x 3/32
15/16 to 1 1/4	1/4 x 1/8
1 5/16 & 1 3/8	5/16 x 5/32
1 7/16 to 1 3/4	3/8 x 3/16
1 13/16 to 2 1/4	1/2 x 1/4
2 5/16 to 2 11/16	5/8 x 5/16

1 3/8" Bore Bushings also available with 3/8" x 3/16" Ks.

10 Pitch — 1 1/4" Face — 20° Pressure Angle

Table No. 1

Stock Steel and Cast Iron Minimum Bore Spur Gears

Part No.	Diameter		No. Teeth	Type	Bore		Dimensions				Wt. Lbs.
	Pitch	Nominal O.D.			Stock	Max.	F	L	P	H	
YSS1012	1.200"	1.40"	12	2	5/8"	5/8"	1 1/4"	1 7/8"	5/8"	29/32"	.4
YSS1014	1.400	1.60	14	2	5/8	5/8	1 1/4	1 7/8	5/8	1 7/64	.6
YSS1015	1.500	1.70	15	2	3/4	3/4	1 1/4	1 7/8	5/8	1 7/32	.6
YSS1016	1.600	1.80	16	2	3/4	3/4	1 1/4	1 7/8	5/8	1 5/16	.7
YSS1018	1.800	2.00	18	2	3/4	7/8	1 1/4	1 7/8	5/8	1 33/64	.9
YSS1020	2.000	2.20	20	2	7/8	1	1 1/4	1 7/8	5/8	1 23/32	1.0
YSS1024	2.400	2.60	24	2	7/8	1 1/4	1 1/4	1 7/8	5/8	2 7/64	1.8
YSS1025	2.500	2.70	25	2	7/8	1 3/8	1 1/4	1 7/8	5/8	2 7/32	2.0
YSS1028	2.800	3.00	28	2	7/8	1 5/8	1 1/4	1 7/8	5/8	2 1/2	2.8
YSS1030	3.000	3.20	30	2	7/8	1 3/4	1 1/4	2 1/4	1	2 5/8	3.7
YSS1035	3.500	3.70	35	2	7/8	1 3/4	1 1/4	2 1/4	1	2 5/8	4.5
YSS1040	4.000	4.20	40	2	1	1 3/4	1 1/4	2 1/4	1	2 5/8	5.4
YSS1045	4.500	4.70	45	2	1	1 3/4	1 1/4	2 1/4	1	2 5/8	6.7
YSS1048	4.800	5.00	48	2	1	1 3/4	1 1/4	2 1/4	1	2 5/8	7.4
YSS1050	5.000	5.20	50	2	1	2	1 1/4	2 1/4	1	3	8.5
YSS1055	5.500	5.70	55	2	1	2	1 1/4	2 1/4	1	3	10.4
YSS1060	6.000	6.20	60	2	1	2	1 1/4	2 1/4	1	3	12.0
YCS1070	7.000	7.20	70	4	1	1 13/16	1 1/4	2 1/4	1	3	8.7
YCS1080	8.000	8.20	80	4	1	1 13/16	1 1/4	2 1/4	1	3	9.8
YCS1090	9.000	9.20	90	4	1	1 13/16	1 1/4	2 1/4	1	3	10.9
YCS10100	10.000	10.20	100	4	1 1/8	1 13/16	1 1/4	2 3/8	1 1/8	3	13.1
YCS10120	12.000	12.20	120	4	1 1/8	2	1 1/4	2 3/8	1 1/8	3 1/4	15.7
YCS10140	14.000	14.20	140	4	1 1/8	2	1 1/4	2 3/8	1 1/8	3 1/4	19.5
YCS10160	16.000	16.20	160	4	1 1/8	2 1/4	1 1/4	2 3/8	1 1/8	3 1/2	25.1
YCS10180	18.000	18.20	180	4	1 1/8	2 1/4	1 1/4	2 3/8	1 1/8	3 1/2	29.6
YCS10200	20.000	20.20	200	4	1 1/8	2 1/4	1 1/4	2 1/2	1 1/4	3 3/4	34.8

All 60 Tooth Gears and smaller are Steel. All larger sizes, Cast Iron.

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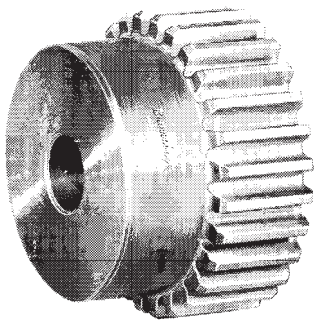
Table No. 2

Stock Steel and Cast Iron Spur Gears with Browning Split Taper® Bushings

Part No.		Diameter		No. Teeth	Type	Dimensions									Wt. Lbs. Less Bush.
Gear	Bush.	Pitch	Nominal O.D.			F	O.L.	L	P	C	H	G	X	E	
YSS10H30	H	3.000"	3.20"	30	6	1 1/4"	1 7/8"	1 1/4"	7/16"	7/16"	2 1/2"	—	—	3/16"	2.8
YSS10H35	H	3.500	3.70	35	6	1 1/4	1 7/8	1 1/4	7/16	7/16	2 1/2	—	—	3/16	2.6
YSS10H40	H	4.000	4.20	40	6	1 1/4	1 7/8	1 1/4	7/16	7/16	2 1/2	—	—	3/16	3.6
YSS10P45	P1	4.500	4.70	45	14	1 1/4	2 3/16	1 15/16	11/16	—	3	5/8"	1 5/16"	1/4	4.5
YSS10P55	P1	5.500	5.70	55	14	1 1/4	2 3/16	1 15/16	11/16	—	3	5/8	1 5/16	1/4	6.8
YSS10P60	P1	6.000	6.20	60	14	1 1/4	2 3/16	1 15/16	11/16	—	3	5/8	1 5/16	1/4	9.5
YCS10P70	P1	7.000	7.20	70	16	1 1/4	2 3/16	1 15/16	11/16	—	3	5/8	1 5/16	1/4	6.8
YCS10P80	P1	8.000	8.20	80	16	1 1/4	2 3/16	1 15/16	11/16	—	3	5/8	1 5/16	1/4	7.9
YCS10P100	P1	10.000	10.20	100	16	1 1/4	2 3/16	1 15/16	11/16	—	3	5/8	1 5/16	1/4	10.6
YCS10P110	P1	11.000	11.20	110	16	1 1/4	2 3/16	1 15/16	11/16	—	3	5/8	1 5/16	1/4	12.4
YCS10P140	P1	14.000	14.20	140	16	1 1/4	2 3/16	1 15/16	11/16	—	3	5/8	1 5/16	1/4	15.6
YCS10P180	P1	18.000	18.20	180	16	1 1/4	2 3/16	1 15/16	11/16	—	3	5/8	1 5/16	1/4	25.6

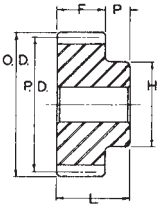
All 60 Tooth Gears and smaller are Steel. All larger sizes, Cast Iron.



For Bushing Details see Page A-1.

8 Pitch — 1 1/2" Face — 20° Pressure Angle

Browning has All Three
Finished Bore Gears — All Steel
Bushing Type — Browning Split Taper® Bushings
Minimum Bore Gears — Large Hubs for Reboring
} Off the Shelf Ready to Use



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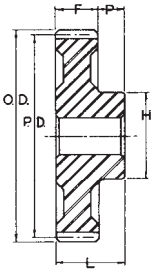

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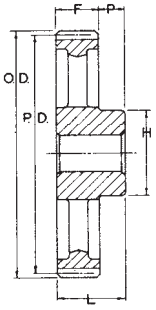

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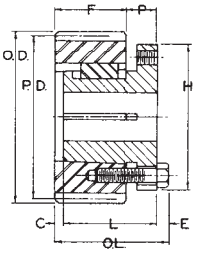

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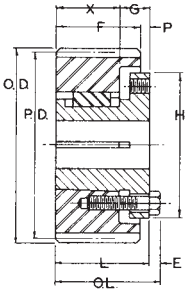

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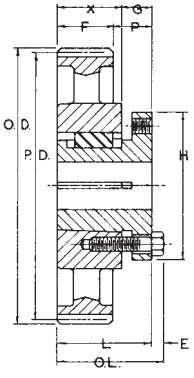

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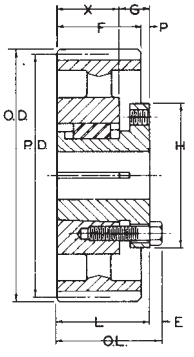

TYPE 17

All Gears Individually Packaged and Clearly Labeled for Easy Identification

Bore Range

Table No. 1

Bushing	Bore Range
P1	1/2" to 1 3/4"
Q1	3/4 to 2 11/16

Standard Keyseats

Table No. 2

Bore Range	Keyseat
1/2" & 9/16"	1/8" x 1/16"
5/8 to 7/8	3/16 x 3/32
15/16 to 1 1/4	1/4 x 1/8
1 5/16 & 1 3/8	5/16 x 5/32
1 7/16 to 1 3/4	3/8 x 3/16
1 13/16 to 2 1/4	1/2 x 1/4
2 5/16 to 2 11/16	5/8 x 5/16

1 3/8" Bore Bushings also available with 3/8" x 3/16" Ks.

8 Pitch — 1 1/2" Face — 20° Pressure Angle

Table No. 1

Stock Steel and Cast Iron Minimum Bore Spur Gears

Part No.	Diameter		No. Teeth	Type	Bore		Dimensions				Wt. Lbs.
	Pitch	Nominal O.D.			Stock	Max.	F	L	P	H	
YSS812	1.500"	1.75"	12	2	3/4"	3/4"	1 1/2"	2 1/4"	3/4"	1 1/8"	.6
YSS814	1.750	2.00	14	2	3/4	3/4	1 1/2	2 1/4	3/4	1 3/8	1.0
YSS815	1.875	2.12	15	2	3/4	7/8	1 1/2	2 1/4	3/4	1 1/2	1.2
YSS816	2.000	2.25	16	2	7/8	1	1 1/2	2 3/8	7/8	1 5/8	1.4
YSS818	2.250	2.50	18	2	7/8	1 1/8	1 1/2	2 3/8	7/8	1 7/8	1.9
YSS820	2.500	2.75	20	2	7/8	1 1/4	1 1/2	2 3/8	7/8	2 1/8	2.5
YSS822	2.750	3.00	22	2	7/8	1 1/2	1 1/2	2 3/8	7/8	2 3/8	3.0
YSS824	3.000	3.25	24	2	7/8	1 3/4	1 1/2	2 3/8	7/8	2 5/8	3.9
YSS828	3.500	3.75	28	2	7/8	2 1/8	1 1/2	2 3/8	7/8	3 1/8	5.4
YSS832	4.000	4.25	32	2	1	2 1/8	1 1/2	2 1/2	1	3 1/8	6.9
YSS836	4.500	4.75	36	2	1	2 1/8	1 1/2	2 1/2	1	3 1/8	8.3
YSS840	5.000	5.25	40	2	1	2 1/8	1 1/2	2 1/2	1	3 1/8	9.9
YSS844	5.500	5.75	44	2	1	2 1/4	1 1/2	2 1/2	1	3 1/4	12.5
YSS848	6.000	6.25	48	2	1	2 1/4	1 1/2	2 1/2	1	3 1/4	14.5
YSS856	7.000	7.25	56	2	1	2 1/4	1 1/2	2 1/2	1	3 1/4	19.0
YSS860	7.500	7.75	60	2	1	2 1/4	1 1/2	2 1/2	1	3 1/4	21.1
YCS864	8.000	8.25	64	4	1	2	1 1/2	2 1/2	1	3 1/4	12.9
YCS872	9.000	9.25	72	4	1	2	1 1/2	2 1/2	1	3 1/4	14.3
YCS880	10.000	10.25	80	4	1 1/8	2	1 1/2	2 3/4	1 1/4	3 1/4	16.6
YCS888	11.000	11.25	88	4	1 1/8	2	1 1/2	2 3/4	1 1/4	3 1/4	17.8
YCS896	12.000	12.25	96	4	1 1/8	2	1 1/2	2 3/4	1 1/4	3 1/4	20.1
YCS8112	14.000	14.25	112	4	1 1/8	2	1 1/2	2 3/4	1 1/4	3 1/4	25.1
YCS8120	15.000	15.25	120	4	1 1/8	2	1 1/2	2 3/4	1 1/4	3 1/4	26.7
YCS8128	16.000	16.25	128	4	1 1/8	2	1 1/2	2 3/4	1 1/4	3 1/4	28.6
YCS8144	18.000	18.25	144	4	1 1/8	2	1 1/2	2 3/4	1 1/4	3 1/4	34.9
YCS8160	20.000	20.25	160	4	1 1/4	2 1/4	1 1/2	3	1 1/2	3 1/2	42.1

All 60 Tooth Gears and smaller are Steel. All larger sizes, Cast Iron.

Table No. 2

Stock Steel and Cast Iron Spur Gears with Browning Split Taper® Bushings

Part No.		Diameter		No. Teeth	Type	Dimensions									Wt. Lbs. Less Bush.
Gear	Bush.	Pitch	Nominal O.D.			F	O.L.	L	P	C	H	G	X	E	
YSS8P28	P1	3.500"	3.75"	28	11	1 1/2"	2 3/8"	1 15/16"	5/8"	3/16"	3"	—	—	1/4"	2.8
YSS8P32	P1	4.000	4.25	32	11	1 1/2	2 3/8	1 15/16	5/8	3/16	3	—	—	1/4	3.9
YSS8P36	P1	4.500	4.75	36	12	1 1/2	2 3/16	1 15/16	7/16	—	3	5/8"	1 5/16"	1/4	5.1
YSS8P40	P1	5.000	5.25	40	12	1 1/2	2 3/16	1 15/16	7/16	—	3	5/8	1 5/16	1/4	6.4
YSS8P44	P1	5.500	5.75	44	12	1 1/2	2 3/16	1 15/16	7/16	—	3	5/8	1 5/16	1/4	8.0
YSS8P48	P1	6.000	6.25	48	12	1 1/2	2 3/16	1 15/16	7/16	—	3	5/8	1 5/16	1/4	10.1
YSS8P56	P1	7.000	7.25	56	12	1 1/2	2 3/16	1 15/16	7/16	—	3	5/8	1 5/16	1/4	14.0
YSS8P60	P1	7.500	7.75	60	12	1 1/2	2 3/16	1 15/16	7/16	—	3	5/8	1 5/16	1/4	15.8
YCS8P64	P1	8.000	8.25	64	17	1 1/2	2 3/16	1 15/16	7/16	—	3	5/8	1 5/16	1/4	9.8
YCS8P72	P1	9.000	9.25	72	17	1 1/2	2 3/16	1 15/16	7/16	—	3	5/8	1 5/16	1/4	10.9
YCS8P80	P1	10.000	10.25	80	17	1 1/2	2 3/16	1 15/16	7/16	—	3	5/8	1 5/16	1/4	12.3
YCS8Q112	Q1	14.000	14.25	112	16	1 1/2	2 25/32	2 1/2	1	—	4 1/8	3/4	1 3/4	9/32	21.9
YCS8Q120	Q1	15.000	15.25	120	16	1 1/2	2 25/32	2 1/2	1	—	4 1/8	3/4	1 3/4	9/32	24.8

All 60 Tooth Gears and smaller are Steel. All larger sizes, Cast Iron.

Note: 20° Pressure Angle Gears will not Mesh with 14 1/2° Pressure Angle Gears

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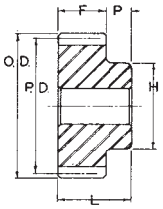
6 Pitch **2" Face** **20° Pressure Angle**

For Engineering Data See Pages F-48 to F-71.



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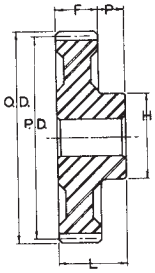

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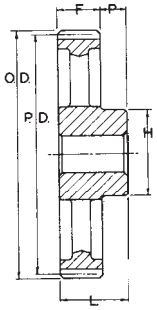

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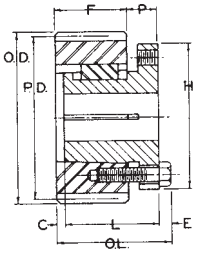

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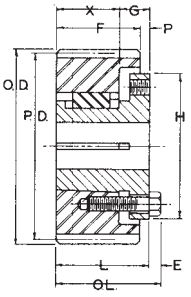

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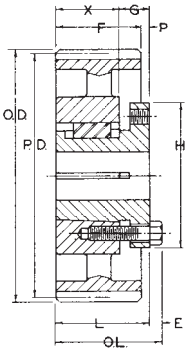

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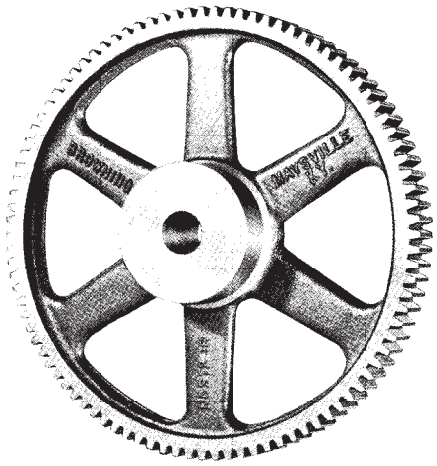


Bore Range

Table No. 1

Bushing	Bore Range
P1	1/2" to 1 3/4"
Q1	3/4 to 2 11/16

For Bushing Details see Page A-1.

Standard Keyseats

Table No. 2

Bore Range	Keyseat
1/2" & 9/16"	1/8" x 1/16"
5/8 to 7/8	3/16 x 3/32
15/16 to 1 1/4	1/4 x 1/8
1 5/16 & 1 3/8	5/16 x 5/32
1 7/16 to 1 3/4	3/8 x 3/16
1 13/16 to 2 1/4	1/2 x 1/4
2 5/16 to 2 3/4	5/8 x 5/16
2 13/16 to 3 3/16	3/4 x 3/8

1 3/8" Bore Bushings also available with 3/8" x 3/16" Ks.

6 Pitch 2" Face 20° Pressure Angle

Table No. 1

Stock Steel and Cast Iron Minimum Bore Spur Gears

Part No.	Diameter		No. Teeth	Type	Bore		Dimensions				Wt. Lbs.
	Pitch	Nominal O.D.			Stock	Max.	F	L	P	H	
YSS612	2.000"	2.33"	12	2	1"	1"	2"	2 7/8"	7/8"	1 1/2"	1.5
YSS614	2.333	2.66	14	2	1	1 1/8	2	2 7/8	7/8	1 13/16	2.4
YSS615	2.500	2.83	15	2	1	1 1/4	2	2 7/8	7/8	2	2.8
YSS616	2.667	3.00	16	2	1	1 3/8	2	2 7/8	7/8	2 5/32	3.2
YSS618	3.000	3.33	18	2	1	1 5/8	2	2 7/8	7/8	2 1/2	4.4
YSS621	3.500	3.83	21	2	1	2	2	2 7/8	7/8	3	6.5
YSS624	4.000	4.33	24	2	1 1/8	2	2	3 1/2	1 1/2	3	9.1
YSS627	4.500	4.83	27	2	1 1/8	2	2	3 1/2	1 1/2	3	10.8
YSS630	5.000	5.33	30	2	1 1/8	2 1/8	2	3 1/2	1 1/2	3 1/8	13.3
YSS633	5.500	5.83	33	2	1 1/8	2 1/4	2	3 1/2	1 1/2	3 1/4	15.8
YSS636	6.000	6.33	36	2	1 1/8	2 5/16	2	3 1/2	1 1/2	3 3/8	19.4
YSS642	7.000	7.33	42	2	1 1/4	2 5/16	2	3 1/2	1 1/2	3 3/8	25.2
YCS648	8.000	8.33	48	4	1 1/4	2 1/8	2	3 1/2	1 1/2	3 3/8	18.1
YCS654	9.000	9.33	54	4	1 1/4	2 1/8	2	3 1/2	1 1/2	3 3/8	19.8
YCS660	10.000	10.33	60	4	1 1/4	2 1/4	2	3 1/2	1 1/2	3 3/4	24.0
YCS666	11.000	11.33	66	4	1 1/4	2 1/4	2	3 1/2	1 1/2	3 3/4	26.1
YCS672	12.000	12.33	72	4	1 1/4	2 1/4	2	3 1/2	1 1/2	3 3/4	29.3
YCS684	14.000	14.33	84	4	1 1/4	2 1/4	2	3 1/2	1 1/2	3 3/4	35.9
YCS696	16.000	16.33	96	4	1 1/4	2 1/4	2	3 1/2	1 1/2	3 3/4	40.0
YCS6108	18.000	18.33	108	4	1 1/4	2 1/4	2	3 1/2	1 1/2	3 3/4	45.9
YCS6120	20.000	20.33	120	4	1 3/8	2 3/4	2	3 1/2	1 1/2	4 1/2	56.0

All 42 Tooth Gears and smaller are Steel. All larger sizes, Cast Iron.

Table No. 2

Stock Steel and Cast Iron Spur Gears with Browning Split Taper® Bushings

Part No.		Diameter		No. Teeth	Type	Dimensions									Wt. Lbs. Less Bush.
Gear	Bush.	Pitch	Nominal O.D.			F	O.L.	L	P	C	H	G	X	E	
YSS6P24	P1	4.000"	4.33"	24	11	2"	2 7/8"	1 15/16"	5/8"	11/16"	3"	—	—	1/4"	5.2
YSS6P30	P1	5.000	5.33	30	12	2	2 3/16	1 15/16	1/16U	—	3	5/8"	1 5/16"	1/4	7.7
YSS6P33	P1	5.500	5.83	33	12	2	2 3/16	1 15/16	1/16U	—	3	5/8	1 5/16	1/4	9.3
YSS6P36	P1	6.000	6.33	36	12	2	2 3/16	1 15/16	1/16U	—	3	5/8	1 5/16	1/4	11.2
YSS6P42	P1	7.000	7.33	42	12	2	2 3/16	1 15/16	1/16U	—	3	5/8	1 5/16	1/4	15.5
YCS6Q48	Q1	8.000	8.33	48	17	2	2 25/32	2 1/2	1/2	—	4 1/8	3/4	1 3/4	9/32	15.9
YCS6Q54	Q1	9.000	9.33	54	17	2	2 25/32	2 1/2	1/2	—	4 1/8	3/4	1 3/4	9/32	18.7
YCS6Q60	Q1	10.000	10.33	60	17	2	2 25/32	2 1/2	1/2	—	4 1/8	3/4	1 3/4	9/32	18.8
YCS6Q66	Q1	11.000	11.33	66	17	2	2 25/32	2 1/2	1/2	—	4 1/8	3/4	1 3/4	9/32	22.9
YCS6Q72	Q1	12.000	12.33	72	17	2	2 25/32	2 1/2	1/2	—	4 1/8	3/4	1 3/4	9/32	23.8
YCS6Q96	Q1	16.000	16.33	96	17	2	2 25/32	2 1/2	1/2	—	4 1/8	3/4	1 3/4	9/32	35.0
YCS6Q108	Q1	18.000	18.33	108	17	2	2 25/32	2 1/2	1/2	—	4 1/8	3/4	1 3/4	9/32	40.0
YCS6Q120	Q1	20.000	20.33	120	17	2	2 25/32	2 1/2	1/2	—	4 1/8	3/4	1 3/4	9/32	52.5

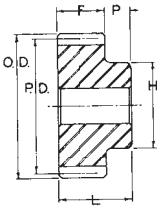
All 42 Tooth Gears and smaller are Steel. All larger sizes, Cast Iron.
NOTE - "U" after "P" dimension indicates bushing flange under rim by amount shown.

BROWNING® Gears— The most complete line of Stock Gears in Finished Bore, Minimum Bore and Bushing Types.

5 Pitch **2 1/2" Face** **20° Pressure Angle**

Precision Inspected

Distribution Nation - Wide and in Canada



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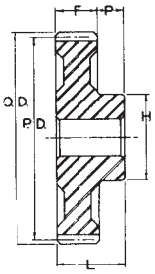

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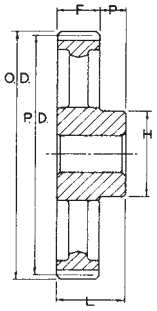

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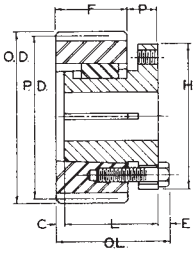

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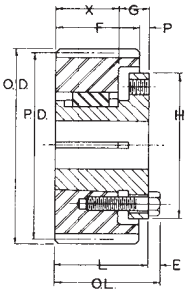

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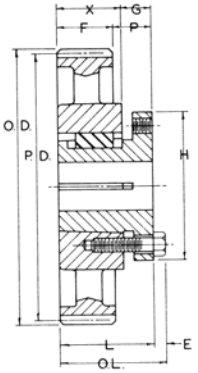

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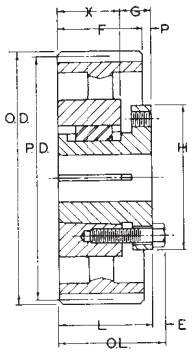


TYPE 17

F

Bore Range

Table No. 1

Bushing	Bore Range
P2	3/4" to 1 3/4"
Q1	3/4 to 2 11/16
R1	1 1/8 to 3 3/4
S1	1 11/16 to 4 1/4

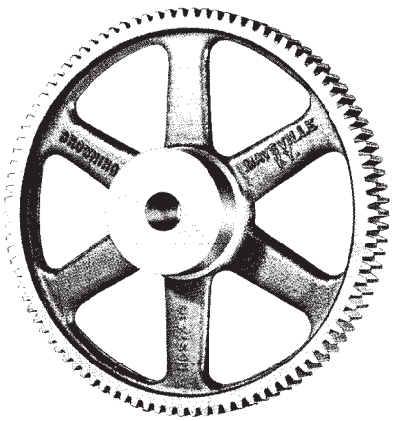
Standard Keyseats

Table No. 2

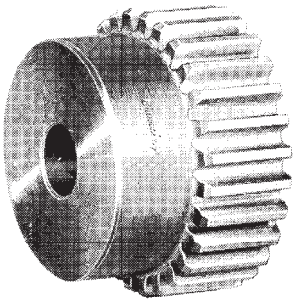
Bore Range	Keyseat
3/4" to 7/8"	3/16" x 3/32"
15/16 to 1 1/4	1/4 x 1/8
1 5/16 to 1 3/8	5/16 x 5/32
1 7/16 to 1 3/4	3/8 x 3/16
1 13/16 to 2 1/4	1/2 x 1/4
2 5/16 to 2 3/4	5/8 x 5/16
2 13/16 to 3 1/4	3/4 x 3/8
3 5/16 to 3 3/4	7/8 x 7/16
3 3/16 to 4 1/4	1 x 1/2

1 3/8" Bore Bushings also available with 3/8" x 3/16" Ks.

All Items Individually Packaged



For Bushing Details See Page A-1



5 Pitch — 2 1/2" Face — 20° Pressure Angle

Table No. 1

Stock Steel and Cast Iron Minimum Bore Spur Gears

Part No.	Diameter		No. Teeth	Type	Bore		Dimensions				Wt. Lbs.
	Pitch	Nominal O.D.			Stock	Max.	F	L	P	H	
YSS512	2.400"	2.80"	12	2	1 1/8"	1 1/8"	2 1/2"	3 3/8"	7/8"	1 13/16"	2.8
YSS514	2.800	3.20	14	2	1 1/8	1 3/8	2 1/2	3 3/8	7/8	2 3/16	4.2
YSS515	3.000	3.40	15	2	1 1/8	1 1/2	2 1/2	3 3/8	7/8	2 3/8	5.0
YSS516	3.200	3.60	16	2	1 1/8	1 3/4	2 1/2	3 3/8	7/8	2 5/8	5.9
YSS518	3.600	4.00	18	2	1 1/8	2	2 1/2	3 3/8	7/8	3	7.8
YSS520	4.000	4.40	20	2	1 1/8	2 3/8	2 1/2	3 3/8	7/8	3 3/8	10.0
YSS524	4.800	5.20	24	2	1 1/8	2 3/8	2 1/2	3 3/4	1 1/4	3 3/4	15.5
YSS525	5.000	5.40	25	2	1 1/8	3	2 1/2	3 3/4	1 1/4	4 1/4	17.8
YSS528	5.600	6.00	28	2	1 1/8	3	2 1/2	3 3/4	1 1/4	4 1/4	21.4
YSS530	6.000	6.40	30	2	1 1/8	3	2 1/2	3 3/4	1 1/4	4 1/4	24.0
YSS535	7.000	7.40	35	2	1 1/4	3	2 1/2	3 3/4	1 1/4	4 1/4	31.9
YCS540	8.000	8.40	40	3	1 1/4	2 5/8	2 1/2	3 3/4	1 1/4	4 1/4	30.0
YCS545	9.000	9.40	45	3	1 1/4	2 5/8	2 1/2	3 3/4	1 1/4	4 1/4	30.3
YCS550	10.000	10.40	50	4	1 1/4	2 5/8	2 1/2	3 3/4	1 1/4	4 1/4	33.3
YCS560	12.000	12.40	60	4	1 3/8	2 3/4	2 1/2	4	1 1/2	4 1/2	45.7
YCS570	14.000	14.40	70	4	1 3/8	2 3/4	2 1/2	4	1 1/2	4 1/2	49.0
YCS580	16.000	16.40	80	4	1 3/8	2 3/4	2 1/2	4	1 1/2	4 1/2	56.5
YCS590	18.000	18.40	90	4	1 3/8	2 3/4	2 1/2	4	1 1/2	4 3/4	65.5

All 35 Tooth Gears and smaller are Steel. All larger sizes, Cast Iron.

F

Table No. 2

Stock Steel and Cast Iron Spur Gears with Browning Split Taper® Bushings

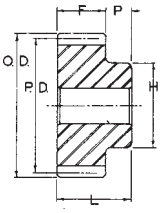
Part No.		Diameter		No. Teeth	Type	Dimensions									Wt. Lbs. Less Bush.
Gear	Bush.	Pitch	Nominal O.D.			F	O.L.	L	P	C	H	G	X	E	
YSS5P18	P2	3.600"	4.00"	18	11	2 1/2"	3 3/8"	2 15/16"	5/8"	3/16"	3"	—	—	1/4"	4.9
YSS5P20	P2	4.000	4.40	20	11	2 1/2	3 3/8	2 15/16	5/8	3/16	3	—	—	1/4	6.7
YSS5P35	P2	7.000	7.40	35	12	2 1/2	3 3/16	2 15/16	7/16	—	3	5/8"	2 5/16"	1/4	24.0
YCS5Q40	Q1	8.000	8.40	40	17	2 1/2	2 25/32	2 1/2	0	—	4 1/8	3/4	1 3/4	9/32	18.6
YCS5Q45	Q1	9.000	9.40	45	17	2 1/2	2 25/32	2 1/2	0	—	4 1/8	3/4	1 3/4	9/32	22.2
YCS5Q60	Q1	12.000	12.40	60	17	2 1/2	2 25/32	2 1/2	0	—	4 1/8	3/4	1 3/4	9/32	32.9
YCS5Q70	Q1	14.000	14.40	70	17	2 1/2	2 25/32	2 1/2	0	—	4 1/8	3/4	1 3/4	9/32	35.9
YCS5Q80	Q1	16.000	16.40	80	17	2 1/2	2 25/32	2 1/2	0	—	4 1/8	3/4	1 3/4	9/32	47.1
YCS5Q90	Q1	18.000	18.40	90	17	2 1/2	2 25/32	2 1/2	0	—	4 1/8	3/4	1 3/4	9/32	52.0
YCS5R100	R1	20.000	20.40	100	17	2 1/2	3 5/32	2 7/8	3/8	—	5 3/8	7/8	2	9/32	60.0
YCS5R120	R1	24.000	24.40	120	17	2 1/2	3 5/32	2 7/8	3/8	—	5 3/8	7/8	2	9/32	77.0
YCS5S140	S1	28.000	28.40	140	16	2 1/2	4 3/4	4 3/8	1 7/8	—	6 3/8	1 1/16	3 5/16	3/8	141

All 35 Tooth Gears and smaller are Steel. All larger sizes, Cast Iron.

Steel and Cast Iron High Quality Gears, with Split Taper Bushings — For Combined Strength and Economy.

4 Pitch **3 1/2" Face** **20° Pressure Angle**

BROWNING® Gears — The most complete line of Stock Gears in Finished Bore, Minimum Bore and Bushing Types.



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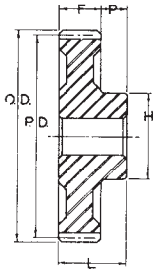

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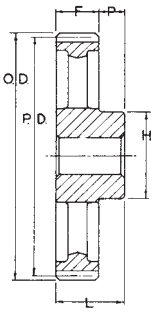

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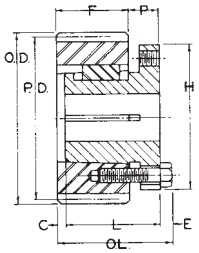

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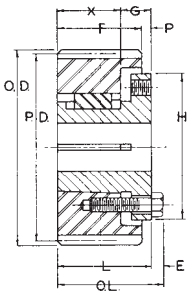

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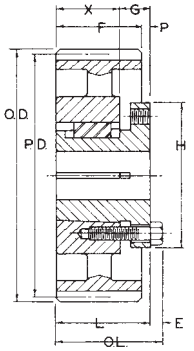

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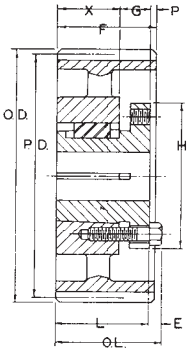


TYPE 18

For Engineering Data See Pages F-48 to F-71

Bore Range

Table No. 1

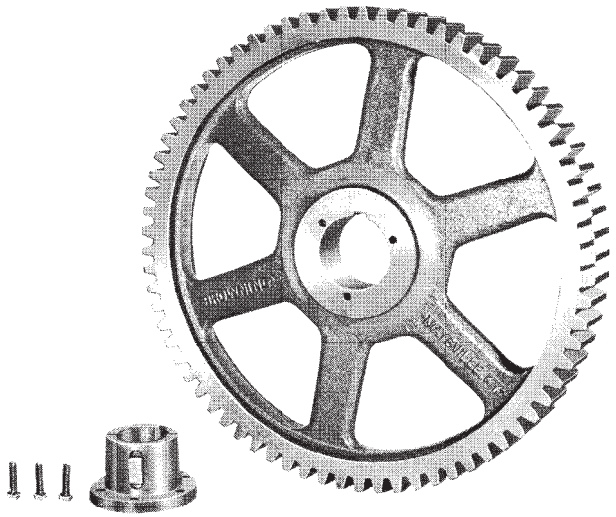
Bushing	Bore Range
Q2	1" to 2 5/8"
R1	1 1/8 to 3 3/4
S1	1 11/16 to 4 1/4

Standard Keyseats

Table No. 2

Bore Range	Keyseat
1" to 1 1/4"	1/4" x 1/8"
1 5/16 to 1 3/8	5/16 x 5/32
1 7/16 to 1 3/4	3/8 x 3/16
1 13/16 to 2 1/4	1/2 x 1/4
2 5/16 to 2 3/4	5/8 x 5/16
2 13/16 to 3 1/4	3/4 x 3/8
3 5/16 to 3 3/4	7/8 x 7/16
3 13/16 to 4 1/4	1 x 1/2

1 3/8" Bore Bushings also available with 3/8" x 3/16" Ks.



For Bushing Details See Page A-1.

4 Pitch — 3 1/2" Face — 20° Pressure Angle

Table No. 1

Stock Steel and Cast Iron Minimum Bore Spur Gears

Part No.	Diameter		No. Teeth	Type	Bore		Dimensions				Wt. Lbs.
	Pitch	Nominal O.D.			Stock	Max	F	L	P	H	
YSS412	3.000"	3.50"	12	2	1 1/16"	1 3/8"	3 1/2"	4 1/2"	1"	2 1/4"	6.6
YSS414	3.500	4.00	14	2	1 1/16	1 7/8	3 1/2	4 1/2	1	2 3/4	9.8
YSS415	3.750	4.25	15	2	1 1/16	2	3 1/2	4 1/2	1	3	11.5
YSS416	4.000	4.50	16	2	1 5/16	2 1/4	3 1/2	4 1/2	1	3 1/4	12.7
YSS418	4.500	5.00	18	2	1 5/16	2 3/8	3 1/2	4 1/2	1	3 3/4	16.8
YSS420	5.000	5.50	20	2	1 5/16	3	3 1/2	4 1/2	1	4 1/4	21.4
YSS424	6.000	6.50	24	2	1 5/16	3 1/2	3 1/2	4 1/2	1	5 1/4	32.2
YSS428	7.000	7.50	28	2	1 5/16	4 1/2	3 1/2	4 1/2	1	6 1/4	45.3
YSS432	8.000	8.50	32	2	1 7/16	2 3/4	3 1/2	4 3/4	1 1/4	4 1/2	47.3
YCS436	9.000	9.50	36	3	1 7/16	2 3/4	3 1/2	4 3/4	1 1/4	4 1/2	52.5
YCS440	10.000	10.50	40	3	1 7/16	3 1/4	3 1/2	4 3/4	1 1/4	5 1/4	59.9
YCS444	11.000	11.50	44	3	1 7/16	3 1/4	3 1/2	4 3/4	1 1/4	5 1/4	69.8
YCS448	12.000	12.50	48	3	1 7/16	3 1/4	3 1/2	5 1/4	1 3/4	5 1/4	78.5
YCS456	14.000	14.50	56	4	1 7/16	3 1/4	3 1/2	5 1/4	1 3/4	5 1/4	84.8
YCS460	15.000	15.50	60	4	1 9/16	3 1/4	3 1/2	5 1/4	1 3/4	5 1/4	91.0
YCS464	16.000	16.50	64	4	1 9/16	3 1/4	3 1/2	5 1/4	1 3/4	5 1/4	93.8
YCS472	18.000	18.50	72	4	1 9/16	3 1/4	3 1/2	5 1/4	1 3/4	5 1/4	107.0
YCS480	20.000	20.50	80	4	1 9/16	3 1/4	3 1/2	5 1/4	1 3/4	5 1/4	114.0

All 32 Tooth Gears and smaller are Steel. All larger sizes, Cast Iron.

Table No. 2

Stock Steel and Cast Iron Spur Gears with Browning Split Taper® Bushings

Part No.		Diameter		No. Teeth	Type	Dimensions									Wt. Lbs. Less Bush.
Gear	Bush.	Pitch	Nominal O.D.			F	O.L.	L	P	C	H	G	X	E	
YSS4Q20	Q2	5.000"	5.50"	20	11	3 1/2"	4 17/32"	3 1/2"	3/4"	3/4"	4 1/8"	—	—	9/32"	12.9
YSS4Q24	Q2	6.000	6.50	24	11	3 1/2	4 17/32	3 1/2	3/4	3/4	4 1/8	—	—	9/32	21.5
YSS4Q28	Q2	7.000	7.50	28	12	3 1/2	3 25/32	3 1/2	0	—	4 1/8	3/4"	2 3/4"	9/32	29.4
YSS4R32	R1	8.000	8.50	32	12	3 1/2	3 1/2	2 7/8	5/8*	—	5 3/8	7/8	2	9/32	28.5
YCS4R40	R1	10.000	10.50	40	18	3 1/2	3 1/2	2 7/8	5/8	—	5 3/8	7/8	2	9/32	42.7
YCS4R44	R1	11.000	11.50	44	18	3 1/2	3 1/2	2 7/8	5/8	—	5 3/8	7/8	2	9/32	47.8
YCS4R60	R1	15.000	15.50	60	18	3 1/2	3 1/2	2 7/8	5/8	—	5 3/8	7/8	2	9/32	67.5
YCS4R64	R1	16.000	16.50	64	18	3 1/2	3 1/2	2 7/8	5/8	—	5 3/8	7/8	2	9/32	73.8
YCS4R72	R1	18.000	18.50	72	18	3 1/2	3 1/2	2 7/8	5/8	—	5 3/8	7/8	2	9/32	84.0
YCS4R80	R1	20.000	20.50	80	18	3 1/2	3 1/2	2 7/8	5/8	—	5 3/8	7/8	2	9/32	96.5
YCS4R96	R1	24.000	24.50	96	18	3 1/2	3 1/2	2 7/8	5/8	—	5 3/8	7/8	2	9/32	124
YCS4S112	S1	28.000	28.50	112	17	3 1/2	4 3/4	4 3/8	7/8	—	6 3/8	1 1/16	3 5/16	3/8	166
YCS4S128	S1	32.000	32.50	128	17	3 1/2	4 3/4	4 3/8	7/8	—	6 3/8	1 1/16	3 5/16	3/8	199
YCS4S160	S1	40.000	40.50	160	17	3 1/2	4 3/4	4 3/8	7/8	—	6 3/8	1 1/16	3 5/16	3/8	250

All 32 Tooth Gears and smaller are Steel. All larger sizes, Cast Iron. *Face of bushing flange is under rim by amount shown.

Minimum Bore Gears are furnished without Keyseats or Setscrews. They can be re-bored to suit, Keyseated and Setscrewed. They have large machined hubs for easy reboring and wide bore range. For Shaft Ready Gears at lower Cost use Browning® Bushed Gears.

20 Pitch — 3/8" Face — 14 1/2° Pressure Angle

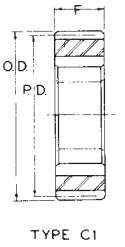
Table No. 1

Specifications — Stock Steel Change Gears

Part No.	Diameter		No. Teeth	Type	Bore		F	Wt. Lbs	Part No.	Diameter		No. Teeth	Type	Bore		F	Wt. Lbs.
	Pitch	Nominal O.D.			Gear	Bush				Pitch	Nominal O.D.			Gear	Bush.		
NCG2020	1.000"	1.10"	20	C1	5/8"	7/16"	3/8"	.06	NCG2070	3.500"	3.60"	70	C1	5/8"	7/16"	3/8"	1.0
NCG2021	1.050	1.15	21	C1	5/8	7/16	3/8	.06	NCG2071	3.550	3.65	71	C1	5/8	7/16	3/8	1.0
NCG2022	1.100	1.20	22	C1	5/8	7/16	3/8	.06	NCG2072	3.600	3.70	72	C1	5/8	7/16	3/8	1.0
NCG2023	1.150	1.25	23	C1	5/8	7/16	3/8	.06	NCG2073	3.650	3.75	73	C1	5/8	7/16	3/8	1.1
NCG2024	1.200	1.30	24	C1	5/8	7/16	3/8	.09	NCG2074	3.700	3.80	74	C1	5/8	7/16	3/8	1.1
NCG2025	1.250	1.35	25	C1	5/8	7/16	3/8	.09	NCG2075	3.750	3.85	75	C1	5/8	7/16	3/8	1.1
NCG2026	1.300	1.40	26	C1	5/8	7/16	3/8	.09	NCG2076	3.800	3.90	76	C1	5/8	7/16	3/8	1.2
NCG2027	1.350	1.45	27	C1	5/8	7/16	3/8	.09	NCG2077	3.850	3.95	77	C1	5/8	7/16	3/8	1.2
NCG2028	1.400	1.50	28	C1	5/8	7/16	3/8	.13	NCG2078	3.900	4.00	78	C1	5/8	7/16	3/8	1.3
NCG2029	1.450	1.55	29	C1	5/8	7/16	3/8	.13	NCG2079	3.950	4.05	79	C1	5/8	7/16	3/8	1.3
NCG2030	1.500	1.60	30	C1	5/8	7/16	3/8	.13	NCG2080	4.000	4.10	80	C1	5/8	7/16	3/8	1.3
NCG2031	1.550	1.65	31	C1	5/8	7/16	3/8	.13	NCG2081	4.050	4.15	81	C1	5/8	7/16	3/8	1.3
NCG2032	1.600	1.70	32	C1	5/8	7/16	3/8	.13	NCG2082	4.100	4.20	82	C1	5/8	7/16	3/8	1.4
NCG2033	1.650	1.75	33	C1	5/8	7/16	3/8	.19	NCG2083	4.150	4.25	83	C1	5/8	7/16	3/8	1.4
NCG2034	1.700	1.80	34	C1	5/8	7/16	3/8	.19	NCG2084	4.200	4.30	84	C1	5/8	7/16	3/8	1.4
NCG2035	1.750	1.85	35	C1	5/8	7/16	3/8	.19	NCG2085	4.250	4.35	85	C1	5/8	7/16	3/8	1.4
NCG2036	1.800	1.90	36	C1	5/8	7/16	3/8	.19	NCG2086	4.300	4.40	86	C1	5/8	7/16	3/8	1.5
NCG2037	1.850	1.95	37	C1	5/8	7/16	3/8	.19	NCG2087	4.350	4.45	87	C1	5/8	7/16	3/8	1.5
NCG2038	1.900	2.00	38	C1	5/8	7/16	3/8	.25	NCG2088	4.400	4.50	88	C1	5/8	7/16	3/8	1.6
NCG2039	1.950	2.05	39	C1	5/8	7/16	3/8	.25	NCG2089	4.450	4.55	89	C1	5/8	7/16	3/8	1.6
NCG2040	2.000	2.10	40	C1	5/8	7/16	3/8	.25	NCG2090	4.500	4.60	90	C1	5/8	7/16	3/8	1.6
NCG2041	2.050	2.15	41	C1	5/8	7/16	3/8	.25	NCG2091	4.550	4.65	91	C1	5/8	7/16	3/8	1.7
NCG2042	2.100	2.20	42	C1	5/8	7/16	3/8	.31	NCG2092	4.600	4.70	92	C1	5/8	7/16	3/8	1.8
NCG2043	2.150	2.25	43	C1	5/8	7/16	3/8	.31	NCG2093	4.650	4.75	93	C1	5/8	7/16	3/8	1.8
NCG2044	2.200	2.30	44	C1	5/8	7/16	3/8	.31	NCG2094	4.700	4.80	94	C1	5/8	7/16	3/8	1.8
NCG2045	2.250	2.35	45	C1	5/8	7/16	3/8	.31	NCG2095	4.750	4.85	95	C1	5/8	7/16	3/8	1.8
NCG2046	2.300	2.40	46	C1	5/8	7/16	3/8	.31	NCG2096	4.800	4.90	96	C1	5/8	7/16	3/8	1.9
NCG2047	2.350	2.45	47	C1	5/8	7/16	3/8	.38	NCG2097	4.850	4.95	97	C1	5/8	7/16	3/8	2.0
NCG2048	2.400	2.50	48	C1	5/8	7/16	3/8	.38	NCG2098	4.900	5.00	98	C1	5/8	7/16	3/8	2.0
NCG2049	2.450	2.55	49	C1	5/8	7/16	3/8	.38	NCG2099	4.950	5.05	99	C1	5/8	7/16	3/8	2.0
NCG2050	2.500	2.60	50	C1	5/8	7/16	3/8	.44	NCG20100	5.000	5.10	100	C1	5/8	7/16	3/8	2.0
NCG2051	2.550	2.65	51	C1	5/8	7/16	3/8	.44	NCG20101	5.050	5.15	101	C1	5/8	7/16	3/8	2.0
NCG2052	2.600	2.70	52	C1	5/8	7/16	3/8	.50	NCG20102	5.100	5.20	102	C1	5/8	7/16	3/8	2.1
NCG2053	2.650	2.75	53	C1	5/8	7/16	3/8	.50	NCG20103	5.150	5.25	103	C1	5/8	7/16	3/8	2.2
NCG2054	2.700	2.80	54	C1	5/8	7/16	3/8	.50	NCG20104	5.200	5.30	104	C1	5/8	7/16	3/8	2.2
NCG2055	2.750	2.85	55	C1	5/8	7/16	3/8	.56	NCG20105	5.250	5.35	105	C1	5/8	7/16	3/8	2.3
NCG2056	2.800	2.90	56	C1	5/8	7/16	3/8	.56	NCG20106	5.300	5.40	106	C1	5/8	7/16	3/8	2.3
NCG2057	2.850	2.95	57	C1	5/8	7/16	3/8	.56	NCG20107	5.350	5.45	107	C1	5/8	7/16	3/8	2.3
NCG2058	2.900	3.00	58	C1	5/8	7/16	3/8	.63	NCG20108	5.400	5.50	108	C1	5/8	7/16	3/8	2.4
NCG2059	2.950	3.05	59	C1	5/8	7/16	3/8	.63	NCG20109	5.450	5.55	109	C1	5/8	7/16	3/8	2.5
NCG2060	3.000	3.10	60	C1	5/8	7/16	3/8	.69	NCG20110	5.500	5.60	110	C1	5/8	7/16	3/8	2.5
NCG2061	3.050	3.15	61	C1	5/8	7/16	3/8	.69	NCG20111	5.550	5.65	111	C1	5/8	7/16	3/8	2.5
NCG2062	3.100	3.20	62	C1	5/8	7/16	3/8	.69	NCG20112	5.600	5.70	112	C1	5/8	7/16	3/8	2.5
NCG2063	3.150	3.25	63	C1	5/8	7/16	3/8	.69	NCG20113	5.650	5.75	113	C1	5/8	7/16	3/8	2.6
NCG2064	3.200	3.30	64	C1	5/8	7/16	3/8	.75	NCG20114	5.700	5.80	114	C1	5/8	7/16	3/8	2.8
NCG2065	3.250	3.35	65	C1	5/8	7/16	3/8	.75	NCG20115	5.750	5.85	115	C1	5/8	7/16	3/8	2.8
NCG2066	3.300	3.40	66	C1	5/8	7/16	3/8	.81	NCG20116	5.800	5.90	116	C1	5/8	7/16	3/8	2.8
NCG2067	3.350	3.45	67	C1	5/8	7/16	3/8	.81	NCG20117	5.850	5.95	117	C1	5/8	7/16	3/8	2.8
NCG2068	3.400	3.50	68	C1	5/8	7/16	3/8	.88	NCG20118	5.900	6.00	118	C1	5/8	7/16	3/8	2.9
NCG2069	3.450	3.55	69	C1	5/8	7/16	3/8	.94	NCG20119	5.950	6.05	119	C1	5/8	7/16	3/8	2.9
									NCG20120	6.000	6.10	120	C1	5/8	7/16	3/8	3.0

These Change Gears can be used interchangeably with Spur Gears shown on Page F-5 for intermediate ratios.

See page A-7 for Steel Hubs for reworking these gears.

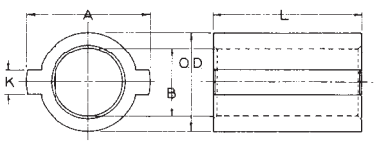


TYPE C1

Table No. 2

Change Gear Bushing

Part No.	Dimensions					Wt. Lbs.
	O.D.	A	B	L	K	
CGB20	5/8"	47/64"	7/16"	3/4"	1/8"	.1



All Browning® Change Gears Are Steel

16 Pitch — 1/2" Face — 14 1/2° Pressure Angle

Table No. 1

Specifications — Stock Steel Change Gears

Part No.	Diameter		No. Teeth	Type	Bore		F	Wt. Lbs	Part No.	Diameter		No. Teeth	Type	Bore		F	Wt. Lbs.
	Pitch	Nominal O.D.			Gear	Bush.				Pitch	Nominal O.D.			Gear	Bush.		
NCG1620	1.250"	1.37"	20	C1	3/4"	1/2"	1/2"	.09	NCG1675	4.688"	4.81"	75	C1	3/4"	1/2"	1/2"	2.5
NCG1621	1.313	1.43	21	C1	3/4	1/2	1/2	.09	NCG1676	4.750	4.87	76	C1	3/4	1/2	1/2	2.7
NCG1622	1.375	1.50	22	C1	3/4	1/2	1/2	.09	NCG1677	4.813	4.93	77	C1	3/4	1/2	1/2	2.8
NCG1623	1.438	1.56	23	C1	3/4	1/2	1/2	.13	NCG1678	4.875	5.00	78	C1	3/4	1/2	1/2	2.8
NCG1624	1.500	1.62	24	C1	3/4	1/2	1/2	.13	NCG1679	4.938	5.06	79	C1	3/4	1/2	1/2	2.8
NCG1625	1.563	1.68	25	C1	3/4	1/2	1/2	.19	NCG1680	5.000	5.12	80	C1	3/4	1/2	1/2	3.0
NCG1626	1.625	1.75	26	C1	3/4	1/2	1/2	.19	NCG1681	5.063	5.18	81	C1	3/4	1/2	1/2	3.0
NCG1627	1.688	1.81	27	C1	3/4	1/2	1/2	.25	NCG1682	5.125	5.25	82	C1	3/4	1/2	1/2	3.0
NCG1628	1.750	1.87	28	C1	3/4	1/2	1/2	.25	NCG1683	5.188	5.31	83	C1	3/4	1/2	1/2	3.2
NCG1629	1.813	1.93	29	C1	3/4	1/2	1/2	.25	NCG1684	5.250	5.37	84	C1	3/4	1/2	1/2	3.3
NCG1630	1.875	2.00	30	C1	3/4	1/2	1/2	.31	NCG1685	5.313	5.43	85	C1	3/4	1/2	1/2	3.3
NCG1631	1.938	2.06	31	C1	3/4	1/2	1/2	.31	NCG1686	5.375	5.50	86	C1	3/4	1/2	1/2	3.3
NCG1632	2.000	2.12	32	C1	3/4	1/2	1/2	.38	NCG1687	5.438	5.56	87	C1	3/4	1/2	1/2	3.5
NCG1633	2.063	2.18	33	C1	3/4	1/2	1/2	.38	NCG1688	5.500	5.62	88	C1	3/4	1/2	1/2	3.5
NCG1634	2.125	2.25	34	C1	3/4	1/2	1/2	.38	NCG1689	5.563	5.68	89	C1	3/4	1/2	1/2	3.6
NCG1635	2.188	2.31	35	C1	3/4	1/2	1/2	.44	NCG1690	5.625	5.75	90	C1	3/4	1/2	1/2	3.8
NCG1636	2.250	2.37	36	C1	3/4	1/2	1/2	.44	NCG1691	5.688	5.81	91	C1	3/4	1/2	1/2	3.8
NCG1637	2.313	2.43	37	C1	3/4	1/2	1/2	.50	NCG1692	5.750	5.87	92	C1	3/4	1/2	1/2	3.8
NCG1638	2.375	2.50	38	C1	3/4	1/2	1/2	.50	NCG1693	5.813	5.93	93	C1	3/4	1/2	1/2	3.9
NCG1639	2.438	2.56	39	C1	3/4	1/2	1/2	.56	NCG1694	5.875	6.00	94	C1	3/4	1/2	1/2	4.1
NCG1640	2.500	2.62	40	C1	3/4	1/2	1/2	.56	NCG1695	5.938	6.06	95	C1	3/4	1/2	1/2	4.1
NCG1641	2.563	2.68	41	C1	3/4	1/2	1/2	.63	NCG1696	6.000	6.12	96	C1	3/4	1/2	1/2	4.3
NCG1642	2.625	2.75	42	C1	3/4	1/2	1/2	.68	NCG1697	6.063	6.18	97	C1	3/4	1/2	1/2	4.3
NCG1643	2.688	2.81	43	C1	3/4	1/2	1/2	.75	NCG1698	6.125	6.25	98	C1	3/4	1/2	1/2	4.3
NCG1644	2.750	2.87	44	C1	3/4	1/2	1/2	.75	NCG1699	6.188	6.31	99	C1	3/4	1/2	1/2	4.4
NCG1645	2.813	2.93	45	C1	3/4	1/2	1/2	.75	NCG16100	6.250	6.37	100	C1	3/4	1/2	1/2	4.6
NCG1646	2.875	3.00	46	C1	3/4	1/2	1/2	.81	NCG16101	6.313	6.43	101	C1	3/4	1/2	1/2	4.8
NCG1647	2.938	3.06	47	C1	3/4	1/2	1/2	.81	NCG16102	6.375	6.50	102	C1	3/4	1/2	1/2	4.8
NCG1648	3.000	3.12	48	C1	3/4	1/2	1/2	.94	NCG16103	6.438	6.56	103	C1	3/4	1/2	1/2	4.9
NCG1649	3.063	3.18	49	C1	3/4	1/2	1/2	.94	NCG16104	6.500	6.62	104	C1	3/4	1/2	1/2	5.1
NCG1650	3.125	3.25	50	C1	3/4	1/2	1/2	1.00	NCG16105	6.563	6.68	105	C1	3/4	1/2	1/2	5.1
NCG1651	3.188	3.31	51	C1	3/4	1/2	1/2	1.00	NCG16106	6.625	6.75	106	C1	3/4	1/2	1/2	5.2
NCG1652	3.250	3.37	52	C1	3/4	1/2	1/2	1.00	NCG16107	6.688	6.81	107	C1	3/4	1/2	1/2	5.2
NCG1653	3.313	3.43	53	C1	3/4	1/2	1/2	1.10	NCG16108	6.750	6.87	108	C1	3/4	1/2	1/2	5.3
NCG1654	3.375	3.50	54	C1	3/4	1/2	1/2	1.10	NCG16109	6.813	6.93	109	C1	3/4	1/2	1/2	5.4
NCG1655	3.438	3.56	55	C1	3/4	1/2	1/2	1.30	NCG16110	6.875	7.00	110	C1	3/4	1/2	1/2	5.5
NCG1656	3.500	3.62	56	C1	3/4	1/2	1/2	1.30	NCG16111	6.938	7.06	111	C1	3/4	1/2	1/2	5.5
NCG1657	3.563	3.68	57	C1	3/4	1/2	1/2	1.40	NCG16112	7.000	7.12	112	C1	3/4	1/2	1/2	5.8
NCG1658	3.625	3.75	58	C1	3/4	1/2	1/2	1.50	NCG16113	7.063	7.18	113	C1	3/4	1/2	1/2	5.8
NCG1659	3.688	3.81	59	C1	3/4	1/2	1/2	1.50	NCG16114	7.125	7.25	114	C1	3/4	1/2	1/2	6.0
NCG1660	3.750	3.87	60	C1	3/4	1/2	1/2	1.60	NCG16115	7.188	7.31	115	C1	3/4	1/2	1/2	6.3
NCG1661	3.813	3.93	61	C1	3/4	1/2	1/2	1.60	NCG16116	7.250	7.37	116	C1	3/4	1/2	1/2	6.3
NCG1662	3.875	4.00	62	C1	3/4	1/2	1/2	1.80	NCG16117	7.313	7.43	117	C1	3/4	1/2	1/2	6.3
NCG1663	3.938	4.06	63	C1	3/4	1/2	1/2	1.80	NCG16118	7.375	7.50	118	C1	3/4	1/2	1/2	6.4
NCG1664	4.000	4.12	64	C1	3/4	1/2	1/2	1.80	NCG16119	7.438	7.56	119	C1	3/4	1/2	1/2	6.4
NCG1665	4.063	4.18	65	C1	3/4	1/2	1/2	2.00	NCG16120	7.500	7.62	120	C1	3/4	1/2	1/2	6.5
NCG1666	4.125	4.25	66	C1	3/4	1/2	1/2	2.00	NCG16121	7.563	7.68	121	C1	3/4	1/2	1/2	6.8
NCG1667	4.188	4.31	67	C1	3/4	1/2	1/2	2.00	NCG16122	7.625	7.75	122	C1	3/4	1/2	1/2	6.8
NCG1668	4.250	4.37	68	C1	3/4	1/2	1/2	2.10	NCG16123	7.688	7.81	123	C1	3/4	1/2	1/2	7.0
NCG1669	4.313	4.43	69	C1	3/4	1/2	1/2	2.10	NCG16124	7.750	7.87	124	C1	3/4	1/2	1/2	7.0
NCG1670	4.375	4.50	70	C1	3/4	1/2	1/2	2.30	NCG16125	7.813	7.93	125	C1	3/4	1/2	1/2	7.2
NCG1671	4.438	4.56	71	C1	3/4	1/2	1/2	2.30	NCG16126	7.875	8.00	126	C1	3/4	1/2	1/2	7.2
NCG1672	4.500	4.62	72	C1	3/4	1/2	1/2	2.50	NCG16127	7.938	8.06	127	C1	3/4	1/2	1/2	7.4
NCG1673	4.563	4.68	73	C1	3/4	1/2	1/2	2.50	NCG16128	8.000	8.12	128	C1	3/4	1/2	1/2	7.4
NCG1674	4.625	4.75	74	C1	3/4	1/2	1/2	2.50	NCG16129	8.063	8.18	129	C1	3/4	1/2	1/2	7.5

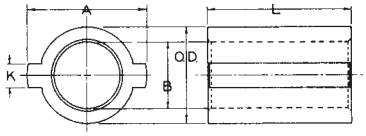
These Change Gears can be used interchangeably with Spur Gears shown on Page F-6 for intermediate ratios.

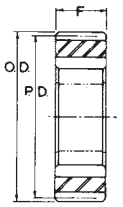
See page A-7 for Steel Hubs for reworking these gears.

Table No. 2

Change Gear Bushing

Part No.	Dimensions					Wt. Lbs.
	O.D.	A	B	L	K	
CGB16	3/4"	29/32"	1/2"	1"	3/16"	.1





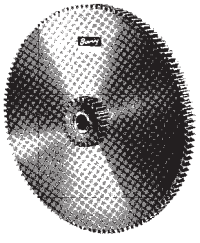
TYPE C1

12 Pitch — 3/4" Face — 14 1/2° Pressure Angle

Table No. 1

Specifications — Stock Steel Change Gears

Part No.	Diameter		No. Teeth	Type	Bore		F	Wt. Lbs.	Part No.	Diameter		No. Teeth	Type	Bore		F	Wt. Lbs.
	Pitch	Nominal O.D.			Gear	Bush.				Pitch	Nominal O.D.			Gear	Bush.		
NCG1220	1.667"	1.83"	20	C1	1"	3/4"	3/4"	.2	NCG1270	5.833"	6.00"	70	C1	1"	3/4"	3/4"	6.8
NCG1221	1.750	1.91	21	C1	1	3/4	3/4	.2	NCG1271	5.917	6.08	71	C1	1	3/4	3/4	7.0
NCG1222	1.833	2.00	22	C1	1	3/4	3/4	.3	NCG1272	6.000	6.16	72	C1	1	3/4	3/4	7.3
NCG1223	1.917	2.08	23	C1	1	3/4	3/4	.3	NCG1273	6.083	6.25	73	C1	1	3/4	3/4	7.4
NCG1224	2.000	2.16	24	C1	1	3/4	3/4	.4	NCG1274	6.167	6.33	74	C1	1 1/4	3/4	3/4	7.6
NCG1225	2.083	2.25	25	C1	1	3/4	3/4	.4	NCG1275	6.250	6.41	75	C1	1	3/4	3/4	7.6
NCG1226	2.167	2.33	26	C1	1	3/4	3/4	.5	NCG1276	6.333	6.50	76	C1	1	3/4	3/4	8.0
NCG1227	2.250	2.41	27	C1	1	3/4	3/4	.5	NCG1277	6.417	6.58	77	C1	1	3/4	3/4	8.1
NCG1228	2.333	2.50	28	C1	1	3/4	3/4	.6	NCG1278	6.500	6.66	78	C1	1	3/4	3/4	8.4
NCG1229	2.417	2.58	29	C1	1	3/4	3/4	.8	NCG1279	6.583	6.75	79	C1	1	3/4	3/4	8.7
NCG1230	2.500	2.66	30	C1	1	3/4	3/4	.8	NCG1280	6.667	6.83	80	C1	1	3/4	3/4	8.7
NCG1231	2.583	2.75	31	C1	1	3/4	3/4	.8	NCG1281	6.750	6.91	81	C1	1	3/4	3/4	8.8
NCG1232	2.667	2.83	32	C1	1	3/4	3/4	1.0	NCG1282	6.833	7.00	82	C1	1	3/4	3/4	8.9
NCG1233	2.750	2.91	33	C1	1	3/4	3/4	1.1	NCG1283	6.917	7.08	83	C1	1	3/4	3/4	9.2
NCG1234	2.833	3.00	34	C1	1	3/4	3/4	1.1	NCG1284	7.000	7.16	84	C1	1	3/4	3/4	9.4
NCG1235	2.917	3.08	35	C1	1	3/4	3/4	1.3	NCG1285	7.083	7.25	85	C1	1	3/4	3/4	9.5
NCG1236	3.000	3.16	36	C1	1	3/4	3/4	1.3	NCG1286	7.167	7.33	86	C1	1	3/4	3/4	9.8
NCG1237	3.083	3.25	37	C1	1	3/4	3/4	1.4	NCG1287	7.250	7.41	87	C1	1	3/4	3/4	10.0
NCG1238	3.167	3.33	38	C1	1	3/4	3/4	1.5	NCG1288	7.333	7.50	88	C1	1	3/4	3/4	10.2
NCG1239	3.250	3.41	39	C1	1	3/4	3/4	1.6	NCG1289	7.417	7.58	89	C1	1	3/4	3/4	10.5
NCG1240	3.333	3.50	40	C1	1	3/4	3/4	1.6	NCG1290	7.500	7.66	90	C1	1	3/4	3/4	10.5
NCG1241	3.417	3.58	41	C1	1	3/4	3/4	1.8	NCG1291	7.583	7.75	91	C1	1	3/4	3/4	11.2
NCG1242	3.500	3.66	42	C1	1	3/4	3/4	1.8	NCG1292	7.667	7.83	92	C1	1	3/4	3/4	11.2
NCG1243	3.583	3.75	43	C1	1	3/4	3/4	2.0	NCG1293	7.750	7.91	93	C1	1	3/4	3/4	11.6
NCG1244	3.667	3.83	44	C1	1	3/4	3/4	2.1	NCG1294	7.833	8.00	94	C1	1	3/4	3/4	11.8
NCG1245	3.750	3.91	45	C1	1	3/4	3/4	2.1	NCG1295	7.917	8.08	95	C1	1	3/4	3/4	12.0
NCG1246	3.833	4.00	46	C1	1	3/4	3/4	2.3	NCG1296	8.000	8.16	96	C1	1	3/4	3/4	12.1
NCG1247	3.917	4.08	47	C1	1	3/4	3/4	2.4	NCG1297	8.083	8.25	97	C1	1	3/4	3/4	12.5
NCG1248	4.000	4.16	48	C1	1	3/4	3/4	2.6	NCG1298	8.167	8.33	98	C1	1	3/4	3/4	12.6
NCG1249	4.083	4.25	49	C1	1	3/4	3/4	2.8	NCG1299	8.250	8.41	99	C1	1	3/4	3/4	12.9
NCG1250	4.167	4.33	50	C1	1	3/4	3/4	2.8	NCG12100	8.333	8.50	100	C1	1	3/4	3/4	13.1
NCG1251	4.250	4.41	51	C1	1	3/4	3/4	2.8	NCG12101	8.417	8.58	101	C1	1	3/4	3/4	13.1
NCG1252	4.333	4.50	52	C1	1	3/4	3/4	3.0	NCG12102	8.500	8.66	102	C1	1	3/4	3/4	13.4
NCG1253	4.417	4.58	53	C1	1	3/4	3/4	3.2	NCG12103	8.583	8.75	103	C1	1	3/4	3/4	13.7
NCG1254	4.500	4.66	54	C1	1	3/4	3/4	3.3	NCG12104	8.667	8.83	104	C1	1	3/4	3/4	13.9
NCG1255	4.583	4.75	55	C1	1	3/4	3/4	3.4	NCG12105	8.750	8.91	105	C1	1	3/4	3/4	14.3
NCG1256	4.667	4.83	56	C1	1	3/4	3/4	3.5	NCG12106	8.833	9.00	106	C1	1	3/4	3/4	14.5
NCG1257	4.750	4.91	57	C1	1	3/4	3/4	3.7	NCG12107	8.917	9.08	107	C1	1	3/4	3/4	14.7
NCG1258	4.833	5.00	58	C1	1	3/4	3/4	3.8	NCG12108	9.000	9.16	108	C1	1	3/4	3/4	14.7
NCG1259	4.917	5.08	59	C1	1	3/4	3/4	3.8	NCG12109	9.083	9.25	109	C1	1	3/4	3/4	15.2
NCG1260	5.000	5.16	60	C1	1	3/4	3/4	4.0	NCG12110	9.167	9.33	110	C1	1	3/4	3/4	15.5
NCG1261	5.083	5.25	61	C1	1	3/4	3/4	4.2	NCG12111	9.250	9.41	111	C1	1	3/4	3/4	15.6
NCG1262	5.167	5.33	62	C1	1	3/4	3/4	4.3	NCG12112	9.333	9.50	112	C1	1	3/4	3/4	16.1
NCG1263	5.250	5.41	63	C1	1	3/4	3/4	4.5	NCG12113	9.417	9.58	113	C1	1	3/4	3/4	16.2
NCG1264	5.333	5.50	64	C1	1	3/4	3/4	4.5	NCG12114	9.500	9.66	114	C1	1	3/4	3/4	16.5
NCG1265	5.417	5.58	65	C1	1	3/4	3/4	4.9	NCG12115	9.583	9.75	115	C1	1	3/4	3/4	17.2
NCG1266	5.500	5.66	66	C1	1	3/4	3/4	5.0	NCG12116	9.667	9.83	116	C1	1	3/4	3/4	17.6
NCG1267	5.583	5.75	67	C1	1	3/4	3/4	5.3	NCG12117	9.750	9.91	117	C1	1	3/4	3/4	17.7
NCG1268	5.667	5.83	68	C1	1	3/4	3/4	5.3	NCG12118	9.833	10.00	118	C1	1	3/4	3/4	18.0
NCG1269	5.750	5.91	69	C1	1	3/4	3/4	5.5	NCG12119	9.917	10.08	119	C1	1	3/4	3/4	18.2
									NCG12120	10.000	10.16	120	C1	1	3/4	3/4	18.3



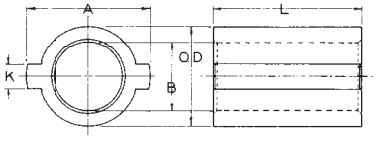
These Change Gears can be used interchangeably with Spur Gears shown on Page F-7 and F-8 for intermediate ratios.

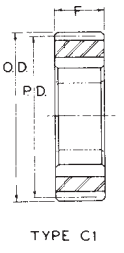
See page A-7 for Steel Hubs for reworking these gears.

Table No. 2

Change Gear Bushing

Part No.	Dimensions					Wt. Lbs.
	O.D.	A	B	L	K	
CGB12	1"	1 7/32"	3/4"	1 1/2"	1/4"	.2





TYPE C1

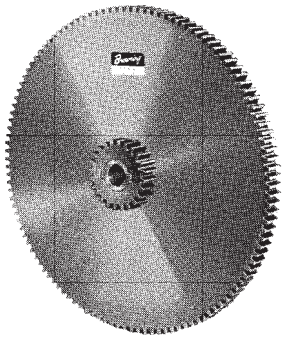
All Browning® Change Gears Are Steel

10 Pitch 1" Face 14 1/2° Pressure Angle

Table No. 1

Specifications — Stock Steel Change Gears

Part No.	Diameter		No. Teeth	Type	Bore		F	Wt. Lbs.	Part No.	Diameter		No. Teeth	Type	Bore		F	Wt. Lbs.
	Pitch	Nominal O.D.			Gear	Bush.				Pitch	Nominal O.D.			Gear	Bush.		
NCG1020	2.000"	2.20"	20	C1	1 1/4"	1"	1"	.4	NCG1060	6.000"	6.20"	60	C1	1 1/4"	1"	1"	8.0
NCG1021	2.100	2.30	21	C1	1 1/4	1	1	.5	NCG1061	6.100	6.30	61	C1	1 1/4	1	1	8.3
NCG1022	2.200	2.40	22	C1	1 1/4	1	1	.7	NCG1062	6.200	6.40	62	C1	1 1/4	1	1	8.6
NCG1023	2.300	2.50	23	C1	1 1/4	1	1	.8	NCG1063	6.300	6.50	63	C1	1 1/4	1	1	8.8
NCG1024	2.400	2.60	24	C1	1 1/4	1	1	.9	NCG1064	6.400	6.60	64	C1	1 1/4	1	1	9.0
NCG1025	2.500	2.70	25	C1	1 1/4	1	1	.9	NCG1065	6.500	6.70	65	C1	1 1/4	1	1	9.4
NCG1026	2.600	2.80	26	C1	1 1/4	1	1	1.0	NCG1066	6.600	6.80	66	C1	1 1/4	1	1	9.7
NCG1027	2.700	2.90	27	C1	1 1/4	1	1	1.2	NCG1067	6.700	6.90	67	C1	1 1/4	1	1	10.2
NCG1028	2.800	3.00	28	C1	1 1/4	1	1	1.4	NCG1068	6.800	7.00	68	C1	1 1/4	1	1	10.3
NCG1029	2.900	3.10	29	C1	1 1/4	1	1	1.5	NCG1069	6.900	7.10	69	C1	1 1/4	1	1	10.6
NCG1030	3.000	3.20	30	C1	1 1/4	1	1	1.6	NCG1070	7.000	7.20	70	C1	1 1/4	1	1	11.0
NCG1031	3.100	3.30	31	C1	1 1/4	1	1	1.8	NCG1071	7.100	7.30	71	C1	1 1/4	1	1	11.2
NCG1032	3.200	3.40	32	C1	1 1/4	1	1	1.8	NCG1072	7.200	7.40	72	C1	1 1/4	1	1	11.9
NCG1033	3.300	3.50	33	C1	1 1/4	1	1	1.9	NCG1073	7.300	7.50	73	C1	1 1/4	1	1	12.1
NCG1034	3.400	3.60	34	C1	1 1/4	1	1	2.1	NCG1074	7.400	7.60	74	C1	1 1/4	1	1	12.4
NCG1035	3.500	3.70	35	C1	1 1/4	1	1	2.3	NCG1075	7.500	7.70	75	C1	1 1/4	1	1	12.5
NCG1036	3.600	3.80	36	C1	1 1/4	1	1	2.4	NCG1076	7.600	7.80	76	C1	1 1/4	1	1	12.9
NCG1037	3.700	3.90	37	C1	1 1/4	1	1	2.6	NCG1077	7.700	7.90	77	C1	1 1/4	1	1	13.7
NCG1038	3.800	4.00	38	C1	1 1/4	1	1	2.7	NCG1078	7.800	8.00	78	C1	1 1/4	1	1	13.9
NCG1039	3.900	4.10	39	C1	1 1/4	1	1	2.9	NCG1079	7.900	8.10	79	C1	1 1/4	1	1	14.2
NCG1040	4.000	4.20	40	C1	1 1/4	1	1	3.0	NCG1080	8.000	8.20	80	C1	1 1/4	1	1	14.5
NCG1041	4.100	4.30	41	C1	1 1/4	1	1	3.4	NCG1081	8.100	8.30	81	C1	1 1/4	1	1	14.7
NCG1042	4.200	4.40	42	C1	1 1/4	1	1	3.5	NCG1082	8.200	8.40	82	C1	1 1/4	1	1	15.1
NCG1043	4.300	4.50	43	C1	1 1/4	1	1	3.6	NCG1083	8.300	8.50	83	C1	1 1/4	1	1	15.7
NCG1044	4.400	4.60	44	C1	1 1/4	1	1	3.8	NCG1084	8.400	8.60	84	C1	1 1/4	1	1	16.1
NCG1045	4.500	4.70	45	C1	1 1/4	1	1	4.1	NCG1085	8.500	8.70	85	C1	1 1/4	1	1	16.4
NCG1046	4.600	4.80	46	C1	1 1/4	1	1	4.1	NCG1086	8.600	8.80	86	C1	1 1/4	1	1	16.7
NCG1047	4.700	4.90	47	C1	1 1/4	1	1	4.5	NCG1087	8.700	8.90	87	C1	1 1/4	1	1	17.1
NCG1048	4.800	5.00	48	C1	1 1/4	1	1	4.7	NCG1088	8.800	9.00	88	C1	1 1/4	1	1	17.3
NCG1049	4.900	5.10	49	C1	1 1/4	1	1	4.9	NCG1089	8.900	9.10	89	C1	1 1/4	1	1	18.2
NCG1050	5.000	5.20	50	C1	1 1/4	1	1	5.6	NCG1090	9.000	9.20	90	C1	1 1/4	1	1	18.3
NCG1051	5.100	5.30	51	C1	1 1/4	1	1	5.7	NCG1091	9.100	9.30	91	C1	1 1/4	1	1	19.1
NCG1052	5.200	5.40	52	C1	1 1/4	1	1	6.0	NCG1092	9.200	9.40	92	C1	1 1/4	1	1	19.6
NCG1053	5.300	5.50	53	C1	1 1/4	1	1	6.1	NCG1093	9.300	9.50	93	C1	1 1/4	1	1	20.1
NCG1054	5.400	5.60	54	C1	1 1/4	1	1	6.6	NCG1094	9.400	9.60	94	C1	1 1/4	1	1	20.6
NCG1055	5.500	5.70	55	C1	1 1/4	1	1	6.6	NCG1095	9.500	9.70	95	C1	1 1/4	1	1	20.9
NCG1056	5.600	5.80	56	C1	1 1/4	1	1	7.1	NCG1096	9.600	9.80	96	C1	1 1/4	1	1	21.6
NCG1057	5.700	5.90	57	C1	1 1/4	1	1	7.2	NCG1097	9.700	9.90	97	C1	1 1/4	1	1	22.0
NCG1058	5.800	6.00	58	C1	1 1/4	1	1	7.5	NCG1098	9.800	10.00	98	C1	1 1/4	1	1	22.2
NCG1059	5.900	6.10	59	C1	1 1/4	1	1	7.7	NCG1099	9.900	10.10	99	C1	1 1/4	1	1	22.4
									NCG10100	10.000	10.20	100	C1	1 1/4	1	1	22.5



These Change Gears can be used interchangeably with Spur Gears shown on Page F-9 and F-10 for intermediate ratios.

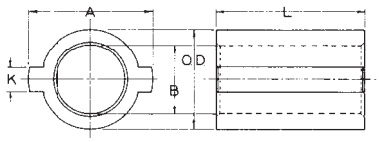
See page A-7 for Steel Hubs for reworking these gears.

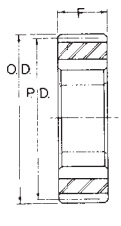
All Browning® Change Gears Are Steel.

Table No. 2

Change Gear Bushing

Part No.	Dimensions					Wt. Lbs.
	O.D.	A	B	L	K	
CGB10	1 1/4"	1 33/64"	1"	2"	5/16"	.3





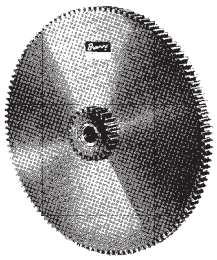
TYPE C1

8 Pitch — 1 1/4" Face — 14 1/2° Pressure Angle

Table No. 1

Specifications - Stock Steel Change Gears

Part No.	Diameter		No. Teeth	Type	Bore		F	Wt. Lbs.	Part No.	Diameter		No. Teeth	Type	Bore		F	Wt. Lbs.
	Pitch	Nominal O.D.			Gear	Bush.				Pitch	Nominal O.D.			Gear	Bush.		
NCG820	2.500"	2.75"	20	C1	1 3/8"	1 1/8"	1 1/4"	1.1	NCG860	7.500"	7.75"	60	C1	1 3/8"	1 1/8"	1 1/4"	15.4
NCG821	2.625	2.87	21	C1	1 3/8	1 1/8	1 1/4	1.3	NCG861	7.625	7.87	61	C1	1 3/8	1 1/8	1 1/4	15.8
NCG822	2.750	3.00	22	C1	1 3/8	1 1/8	1 1/4	1.4	NCG862	7.750	8.00	62	C1	1 3/8	1 1/8	1 1/4	16.5
NCG823	2.875	3.12	23	C1	1 3/8	1 1/8	1 1/4	1.6	NCG863	7.875	8.12	63	C1	1 3/8	1 1/8	1 1/4	16.9
NCG824	3.000	3.25	24	C1	1 3/8	1 1/8	1 1/4	1.8	NCG864	8.000	8.25	64	C1	1 3/8	1 1/8	1 1/4	17.7
NCG825	3.125	3.37	25	C1	1 3/8	1 1/8	1 1/4	2.0	NCG865	8.125	8.37	65	C1	1 3/8	1 1/8	1 1/4	18.1
NCG826	3.250	3.50	26	C1	1 3/8	1 1/8	1 1/4	2.3	NCG866	8.250	8.50	66	C1	1 3/8	1 1/8	1 1/4	18.6
NCG827	3.375	3.62	27	C1	1 3/8	1 1/8	1 1/4	2.5	NCG867	8.375	8.62	67	C1	1 3/8	1 1/8	1 1/4	19.3
NCG828	3.500	3.75	28	C1	1 3/8	1 1/8	1 1/4	2.7	NCG868	8.500	8.75	68	C1	1 3/8	1 1/8	1 1/4	19.7
NCG829	3.625	3.87	29	C1	1 3/8	1 1/8	1 1/4	2.8	NCG869	8.625	8.87	69	C1	1 3/8	1 1/8	1 1/4	20.8
NCG830	3.750	4.00	30	C1	1 3/8	1 1/8	1 1/4	3.3	NCG870	8.750	9.00	70	C1	1 3/8	1 1/8	1 1/4	21.5
NCG831	3.875	4.12	31	C1	1 3/8	1 1/8	1 1/4	3.6	NCG871	8.875	9.12	71	C1	1 3/8	1 1/8	1 1/4	22.2
NCG832	4.000	4.25	32	C1	1 3/8	1 1/8	1 1/4	3.8	NCG872	9.000	9.25	72	C1	1 3/8	1 1/8	1 1/4	22.6
NCG833	4.125	4.37	33	C1	1 3/8	1 1/8	1 1/4	4.0	NCG873	9.125	9.37	73	C1	1 3/8	1 1/8	1 1/4	23.3
NCG834	4.250	4.50	34	C1	1 3/8	1 1/8	1 1/4	4.3	NCG874	9.250	9.50	74	C1	1 3/8	1 1/8	1 1/4	24.0
NCG835	4.375	4.62	35	C1	1 3/8	1 1/8	1 1/4	4.6	NCG875	9.375	9.62	75	C1	1 3/8	1 1/8	1 1/4	25.4
NCG836	4.500	4.75	36	C1	1 3/8	1 1/8	1 1/4	4.9	NCG876	9.500	9.75	76	C1	1 3/8	1 1/8	1 1/4	25.6
NCG837	4.625	4.87	37	C1	1 3/8	1 1/8	1 1/4	5.3	NCG877	9.625	9.87	77	C1	1 3/8	1 1/8	1 1/4	26.5
NCG838	4.750	5.00	38	C1	1 3/8	1 1/8	1 1/4	5.6	NCG878	9.750	10.00	78	C1	1 3/8	1 1/8	1 1/4	26.8
NCG839	4.875	5.12	39	C1	1 3/8	1 1/8	1 1/4	5.9	NCG879	9.875	10.12	79	C1	1 3/8	1 1/8	1 1/4	27.5
NCG840	5.000	5.25	40	C1	1 3/8	1 1/8	1 1/4	6.3	NCG880	10.000	10.25	80	C1	1 3/8	1 1/8	1 1/4	28.1
NCG841	5.125	5.37	41	C1	1 3/8	1 1/8	1 1/4	7.3	NCG881	10.125	10.37	81	C1	1 3/8	1 1/8	1 1/4	29.3
NCG842	5.250	5.50	42	C1	1 3/8	1 1/8	1 1/4	7.3	NCG882	10.250	10.50	82	C1	1 3/8	1 1/8	1 1/4	30.1
NCG843	5.375	5.62	43	C1	1 3/8	1 1/8	1 1/4	7.8	NCG883	10.375	10.62	83	C1	1 3/8	1 1/8	1 1/4	30.9
NCG844	5.500	5.75	44	C1	1 3/8	1 1/8	1 1/4	8.1	NCG884	10.500	10.75	84	C1	1 3/8	1 1/8	1 1/4	31.2
NCG845	5.625	5.87	45	C1	1 3/8	1 1/8	1 1/4	8.6	NCG885	10.625	10.87	85	C1	1 3/8	1 1/8	1 1/4	32.5
NCG846	5.750	6.00	46	C1	1 3/8	1 1/8	1 1/4	9.0	NCG886	10.750	11.00	86	C1	1 3/8	1 1/8	1 1/4	32.9
NCG847	5.875	6.12	47	C1	1 3/8	1 1/8	1 1/4	9.4	NCG887	10.875	11.12	87	C1	1 3/8	1 1/8	1 1/4	33.5
NCG848	6.000	6.25	48	C1	1 3/8	1 1/8	1 1/4	9.7	NCG888	11.000	11.25	88	C1	1 3/8	1 1/8	1 1/4	33.8
NCG849	6.125	6.37	49	C1	1 3/8	1 1/8	1 1/4	10.0	NCG889	11.125	11.37	89	C1	1 3/8	1 1/8	1 1/4	34.8
NCG850	6.250	6.50	50	C1	1 3/8	1 1/8	1 1/4	10.7	NCG890	11.250	11.50	90	C1	1 3/8	1 1/8	1 1/4	36.6
NCG851	6.375	6.62	51	C1	1 3/8	1 1/8	1 1/4	11.0	NCG891	11.375	11.62	91	C1	1 3/8	1 1/8	1 1/4	36.9
NCG852	6.500	6.75	52	C1	1 3/8	1 1/8	1 1/4	11.7	NCG892	11.500	11.75	92	C1	1 3/8	1 1/8	1 1/4	37.8
NCG853	6.625	6.87	53	C1	1 3/8	1 1/8	1 1/4	11.9	NCG893	11.625	11.87	93	C1	1 3/8	1 1/8	1 1/4	38.6
NCG854	6.750	7.00	54	C1	1 3/8	1 1/8	1 1/4	12.3	NCG894	11.750	12.00	94	C1	1 3/8	1 1/8	1 1/4	40.2
NCG855	6.875	7.12	55	C1	1 3/8	1 1/8	1 1/4	13.1	NCG895	11.875	12.12	95	C1	1 3/8	1 1/8	1 1/4	40.5
NCG856	7.000	7.25	56	C1	1 3/8	1 1/8	1 1/4	13.3	NCG896	12.000	12.25	96	C1	1 3/8	1 1/8	1 1/4	41.0
NCG857	7.125	7.37	57	C1	1 3/8	1 1/8	1 1/4	13.9	NCG897	12.125	12.37	97	C1	1 3/8	1 1/8	1 1/4	41.6
NCG858	7.250	7.50	58	C1	1 3/8	1 1/8	1 1/4	14.6	NCG898	12.250	12.50	98	C1	1 3/8	1 1/8	1 1/4	43.9
NCG859	7.375	7.62	59	C1	1 3/8	1 1/8	1 1/4	15.2	NCG899	12.375	12.62	99	C1	1 3/8	1 1/8	1 1/4	44.2
									NCG8100	12.500	12.75	100	C1	1 3/8	1 1/8	1 1/4	45.5



These Change Gears can be used interchangeably with Spur Gears shown on Page F-11 and F-12 for intermediate ratios.

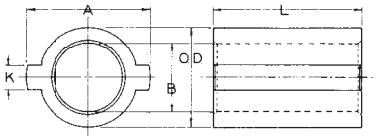
See page A-7 for Steel Hubs for reworking these gears.

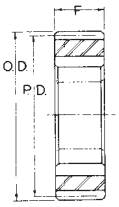
All Browning® Change Gears Are Steel.

Table No. 2

Change Gear Bushing

Part No.	Dimensions					Wt. Lbs.
	O.D.	A	B	L	K	
CGB8	1 3/8"	1 45/64"	1 1/8"	2 1/2"	3/8"	.4





TYPE C1

14 1/2° Pressure Angle

Will not operate with 20° Gears

Table No. 1

Stock Steel Rack

Part No.	Stock Lengths	Pitch	Dimensions			Wt. Lbs.
			W	T	B	
4NSR32x3/16	4 Ft.	32	3/16"	3/16"	.156"	.5
6NSR32x3/16	6 Ft.	32	3/16	3/16	.156	1.2
2NSR24x1/4	2 Ft.	24	1/4	1/4	.208	.5
4NSR24x1/4	4 Ft.	24	1/4	1/4	.208	1.1
6NSR24x1/4	6 Ft.	24	1/4	1/4	.208	1.5
2NSR20x3/8	2 Ft.	20	3/8	3/8	.325	.9
4NSR20x3/8	4 Ft.	20	3/8	3/8	.325	1.8
6NSR20x3/8	6 Ft.	20	3/8	3/8	.325	3.0
4NSR16x5/16	4 Ft.	16	5/16	5/16	.250	1.4
6NSR16x5/16	6 Ft.	16	5/16	5/16	.250	2.0
4NSR16x1/2	4 Ft.	16	1/2	1/2	.438	3.3
6NSR16x1/2	6 Ft.	16	1/2	1/2	.438	4.8
12NSR16x1/2	12 Ft.	16	1/2	1/2	.438	10.0
4NSR12x1/2	4 Ft.	12	3/4	1/2	.417	4.5
6NSR12x1/2	6 Ft.	12	3/4	1/2	.417	6.8
4NSR12x3/4	4 Ft.	12	3/4	3/4	.667	7.1
6NSR12x3/4	6 Ft.	12	3/4	3/4	.667	10.6
12NSR12x3/4	12 Ft.	12	3/4	3/4	.667	22.0
4NSR10x5/8	4 Ft.	10	1	5/8	.525	7.6
6NSR10x5/8	6 Ft.	10	1	5/8	.525	11.4
12NSR10x5/8	12 Ft.	10	1	5/8	.525	22.0
4NSR10x1	4 Ft.	10	1	1	.900	12.8
6NSR10x1	6 Ft.	10	1	1	.900	19.1
12NSR10x1	12 Ft.	10	1	1	.900	40.0
4NSR8x3/4	4 Ft.	8	1 1/4	3/4	.625	11.0
6NSR8x3/4	6 Ft.	8	1 1/4	3/4	.625	16.5
12NSR8x3/4	12 Ft.	8	1 1/4	3/4	.625	33.0
4NSR8x1 1/4	4 Ft.	8	1 1/4	1 1/4	1.125	19.3
6NSR8x1 1/4	6 Ft.	8	1 1/4	1 1/4	1.125	29.3
12NSR8x1 1/4	12 Ft.	8	1 1/4	1 1/4	1.125	60.0
4NSR6x1	4 Ft.	6	1 1/2	1	.833	16.9
6NSR6x1	6 Ft.	6	1 1/2	1	.833	25.7
4NSR6x1 1/2	4 Ft.	6	1 1/2	1 1/2	1.333	27.5
6NSR6x1 1/2	6 Ft.	6	1 1/2	1 1/2	1.333	41.3
4NSR5x1 1/4	4 Ft.	5	1 3/4	1 1/4	1.050	31.3
6NSR5x1 1/4	6 Ft.	5	1 3/4	1 1/4	1.050	47.8
4NSR5x1 1/2	4 Ft.	5	1 3/4	1 1/2	1.300	25.0
6NSR5x1 1/2	6 Ft.	5	1 3/4	1 1/2	1.300	37.9
4NSR4x1 1/2	4 Ft.	4	2	1 1/2	1.250	34.1
6NSR4x1 1/2	6 Ft.	4	2	1 1/2	1.250	50.8
4NSR4x2	4 Ft.	4	2	2	1.750	48.0
6NSR4x2	6 Ft.	4	2	2	1.750	71.5
4NSR3x1 1/2	4 Ft.	3	3	1 1/2	1.167	47.3
6NSR3x1 1/2	6 Ft.	3	3	1 1/2	1.167	70.5

Furnished only in stock lengths shown. Other lengths available on special order. Price on application.

20° Pressure Angle

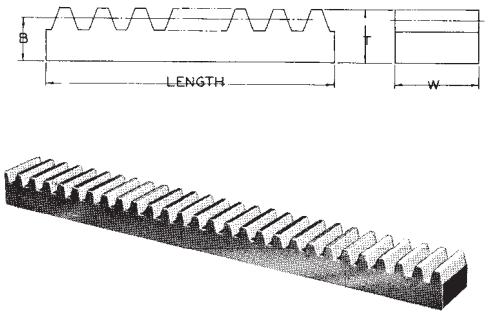
Will not operate with 14 1/2° Gears

Table No. 2

Stock Steel Rack

Part No.	Stock Lengths	Pitch	Dimensions			Wt. Lbs.
			W	T	B	
4YSR20x1/2	4 Ft.	20	1/2"	1/2"	.450"	3.4
6YSR20x1/2	6 Ft.	20	1/2	1/2	.450	5.0
4YSR16x3/4	4 Ft.	16	3/4	3/4	.688	7.3
6YSR16x3/4	6 Ft.	16	3/4	3/4	.688	11.1
4YSR12x1	4 Ft.	12	1	1	.917	13.0
6YSR12x1	6 Ft.	12	1	1	.917	19.6
4YSR10x1 1/4	4 Ft.	10	1 1/4	1 1/4	1.150	20.0
6YSR10x1 1/4	6 Ft.	10	1 1/4	1 1/4	1.150	30.0
4YSR8x1 1/2	4 Ft.	8	1 1/2	1 1/2	1.375	28.0
6YSR8x1 1/2	6 Ft.	8	1 1/2	1 1/2	1.375	42.0
4YSR6x1 1/2	4 Ft.	6	2	1 1/2	1.333	36.9
6YSR6x1 1/2	6 Ft.	6	2	1 1/2	1.333	55.0
4YSR5x1 1/2	4 Ft.	5	2 1/2	1 1/2	1.300	44.9
6YSR5x1 1/2	6 Ft.	5	2 1/2	1 1/2	1.300	66.8
4YSR4x2	4 Ft.	4	3 1/2	2	1.750	83.0
6YSR4x2	6 Ft.	4	3 1/2	2	1.750	125

Furnished only in stock lengths shown. Other lengths available on special order. Price on application.



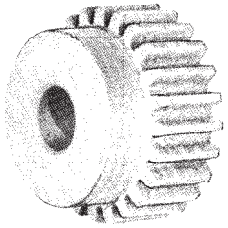
STOCK LENGTHS ARE EXTRA LONG TO ALLOW FOR CUTTING AND MATCHING.

F

BROWNING® Non-Metallic Spur Gears are made of laminated Phenolic material having high impact strength. This material has excellent qualities of resistance to moisture and wear

Non-metallic Gears are usually employed as driving pinions with steel or cast iron mating gears, where the reduction of noise is of primary importance and where pitch line velocities exceed 1000 FPM. These Gears prove more effective at high speeds but are not recommended for continual low speed high torque applications.

These Gears should be well lubricated, same as metallic Gears, for increased life, and they should not be used where temperatures exceed 350° F.



16Pitch 1/2"Face 14 1/2° Pressure Angle

Table No. 1

Stock Non-Metallic Minimum Bore Spur Gears

Part No.	Diameter		No. Teeth	Type	Bore		Dimensions				Wt. Lbs.
	Pitch	Nominal O.D.			Stock	Max.	F	L	P	H	
NFS1616	1.000"	1.12"	16	N1	3/8"	3/8"	1/2"	1"	1/2"	13/16"	.06
NFS1620	1.250	1.37	20	N1	3/8	9/16	1/2	1	1/2	1 1/16	.09
NFS1624	1.500	1.62	24	N1	1/2	3/4	1/2	1	1/2	1 5/16	.13
NFS1632	2.000	2.12	32	N1	1/2	1	1/2	1	1/2	1 13/16	.13
NFS1640A	2.500	2.62	40	N2	1/2	—	1/2	1/2	—	—	.13
NFS1648A	3.000	3.12	48	N2	1/2	—	1/2	1/2	—	—	.19
NFS1656A	3.500	3.62	56	N2	1/2	—	1/2	1/2	—	—	.25
NFS1664A	4.000	4.12	64	N2	1/2	—	1/2	1/2	—	—	.31
NFS1680A	5.000	5.12	80	N2	1/2	—	1/2	1/2	—	—	.44
NFS1696A	6.000	6.12	96	N2	1/2	—	1/2	1/2	—	—	.69

12Pitch 3/4"Face 14 1/2° Pressure Angle

Table No. 2

Stock Non-Metallic Minimum Bore Spur Gears

Part No.	Diameter		No. Teeth	Type	Bore		Dimensions				Wt. Lbs.
	Pitch	Nominal O.D.			Stock	Max.	F	L	P	H	
NFS1215	1.250"	1.41"	15	N1	1/2"	1/2"	3/4"	1 1/4"	1/2"	1"	.06
NFS1218	1.500	1.66	18	N1	1/2	5/8	3/4	1 1/4	1/2	1 1/4	.09
NFS1221	1.750	1.91	21	N1	1/2	3/4	3/4	1 1/4	1/2	1 1/2	.13
NFS1224	2.000	2.16	24	N1	5/8	1	3/4	1 1/4	1/2	1 3/4	.19
NFS1230	2.500	2.66	30	N1	5/8	1 1/2	3/4	1 1/4	1/2	2 1/4	.25
NFS1236A	3.000	3.16	36	N2	5/8	—	3/4	3/4	—	—	.25
NFS1242A	3.500	3.66	42	N2	5/8	—	3/4	3/4	—	—	.38
NFS1248A	4.000	4.16	48	N2	5/8	—	3/4	3/4	—	—	.44
NFS1254A	4.500	4.66	54	N2	3/4	—	3/4	3/4	—	—	.56
NFS1260A	5.000	5.16	60	N2	3/4	—	3/4	3/4	—	—	.69
NFS1272A	6.000	6.16	72	N2	3/4	—	3/4	3/4	—	—	1.0

10Pitch 1"Face 14 1/2° Pressure Angle

Table No. 3

Stock Non-Metallic Minimum Bore Spur Gears

Part No.	Diameter		No. Teeth	Type	Bore		Dimensions				Wt. Lbs.
	Pitch	Nominal O.D.			Stock	Max.	F	L	P	H	
NFS1015	1.500"	1.70"	15	N1	5/8"	5/8"	1"	1 5/8"	5/8"	1 3/16"	.13
NFS1016	1.600	1.80	16	N1	5/8	5/8	1	1 5/8	5/8	1 19/64	.19
NFS1018	1.800	2.00	18	N1	5/8	3/4	1	1 5/8	5/8	1 1/2	.19
NFS1020	2.000	2.20	20	N1	3/4	7/8	1	1 5/8	5/8	1 11/16	.25
NFS1025	2.500	2.70	25	N1	3/4	1 3/8	1	1 5/8	5/8	2 3/16	.38
NFS1030	3.000	3.20	30	N1	3/4	1 3/4	1	1 5/8	5/8	2 11/16	.50
NFS1035A	3.500	3.70	35	N2	3/4	—	1	1	—	—	.56
NFS1040A	4.000	4.20	40	N2	3/4	—	1	1	—	—	.69
NFS1045A	4.500	4.70	45	N2	3/4	—	1	1	—	—	.75
NFS1050A	5.000	5.20	50	N2	3/4	—	1	1	—	—	1.1
NFS1060A	6.000	6.20	60	N2	3/4	—	1	1	—	—	1.5

8 Pitch — 1 1/4" Face — 14 1/2° Pressure Angle

Table No. 1

Stock Non-Metallic Minimum Bore Spur Gears

Part No.	Diameter		No. Teeth	Type	Bore		Dimensions				Wt. Lbs.
	Pitch	Nominal O.D.			Stock	Max.	F	L	P	H	
NFS816	2.000"	2.25"	16	N1	3/4"	7/8"	1 1/4"	2"	3/4"	1 5/8"	.25
NFS818	2.250	2.50	18	N1	3/4	1 1/8	1 1/4	2	3/4	1 7/8	.38
NFS820	2.500	2.75	20	N1	7/8	1 3/8	1 1/4	2	3/4	2 1/8	.38
NFS824	3.000	3.25	24	N1	7/8	1 3/4	1 1/4	2	3/4	2 5/8	.63
NFS828	3.500	3.75	28	N1	7/8	2 1/4	1 1/4	2	3/4	3 1/8	.81
NFS832A	4.000	4.25	32	N2	1	—	1 1/4	1 1/4	—	—	.81
NFS836A	4.500	4.75	36	N2	1	—	1 1/4	1 1/4	—	—	1.0
NFS840A	5.000	5.25	40	N2	1	—	1 1/4	1 1/4	—	—	1.2
NFS848A	6.000	6.25	48	N2	1	—	1 1/4	1 1/4	—	—	1.6

6 Pitch — 1 3/4" Face — 14 1/2° Pressure Angle

Table No. 2

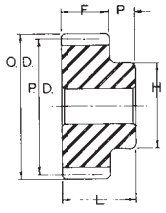
Stock Non-Metallic Minimum Bore Spur Gears

Part No.	Diameter		No. Teeth	Type	Bore		Dimensions				Wt. Lbs.
	Pitch	Nominal O.D.			Stock	Max.	F	L	P	H	
NFS612A	2.000"	2.33"	12	N2	1"	—	1 3/4"	1 3/4"	—	—	.25
NFS614A	2.333	2.66	14	N2	1	—	1 3/4	1 3/4	—	—	.38
NFS615A	2.500	2.83	15	N2	1	—	1 3/4	1 3/4	—	—	.44
NFS616A	2.667	3.00	16	N2	1	—	1 3/4	1 3/4	—	—	.50
NFS617A	2.833	3.16	17	N2	1	—	1 3/4	1 3/4	—	—	.50
NFS618A	3.000	3.33	18	N2	1	—	1 3/4	1 3/4	—	—	.50
NFS620A	3.333	3.66	20	N2	1	—	1 3/4	1 3/4	—	—	.69
NFS624A	4.000	4.33	24	N2	1	—	1 3/4	1 3/4	—	—	1.0
NFS630A	5.000	5.33	30	N2	1	—	1 3/4	1 3/4	—	—	1.8
NFS636A	6.000	6.33	36	N2	1	—	1 3/4	1 3/4	—	—	2.5

5 Pitch — 2" Face — 14 1/2° Pressure Angle

Table No. 3

Part No.	Diameter		No. Teeth	Type	Bore		Dimensions				Wt. Lbs.
	Pitch	Nominal O.D.			Stock	Max.	F	L	P	H	
NFS515A	3.000	3.40	15	N2	1 1/8	—	2	2	—	—	.63
NFS516A	3.200	3.60	16	N2	1 1/8	—	2	2	—	—	.75
NFS517A	3.400	3.80	17	N2	1 1/8	—	2	2	—	—	.81
NFS520A	4.000	4.40	20	N2	1 1/8	—	2	2	—	—	1.3
NFS521A	4.200	4.60	21	N2	1 1/8	—	2	2	—	—	1.3
NFS525A	5.000	5.40	25	N2	1 1/8	—	2	2	—	—	1.8



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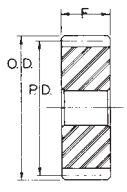

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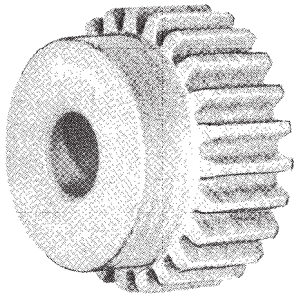

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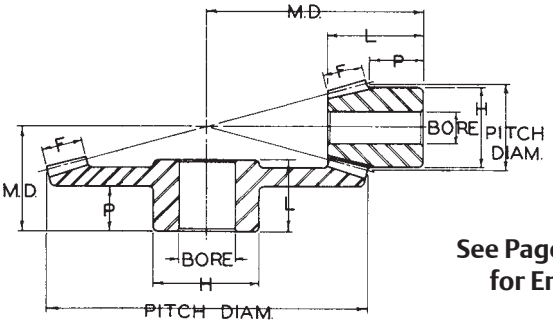

See Page F-72 to F-74 for Engineering

Steel Bevel Gears

20° Pressure Angle

Table No. 1

Specifications — Unhardened Steel Bevel Gears

Part No.	Pitch	Pitch Diam.	No. Teeth	Bore		MD Dim.	Mat'l.	Dimensions				Wt. Lbs.
				Stock	Max.			F	L	P	H	
YSB20B20-20	20	1.000"	20	3/8"	3/8"	.688"	Stl.	.170"	29/64"	5/16"	3/4"	.1
YSB20B10-20	20	.500	10	3/16	3/16	.750	Stl.	.170	27/64	1/4	13/32	.1
YSB16B24-15	16	1.500	24	1/2	9/16	1.188	Stl.	.250	3/4	9/16	1 1/8	.2
YSB16B16-15	16	1.000	16	3/8	7/16†	1.250	Stl.	.250	47/64	7/16	13/16	.1
YSB16B24-20	16	1.500	24	1/2	1/2	1.000	Stl.	.190	5/8	7/16	1	.2
YSB16B12-20	16	.750	12	3/8	3/8	1.125	Stl.	.190	37/64	11/32	21/32	.1
YSB16B32-20	16	2.000	32	1/2	9/16	1.188	Stl.	.350	49/64	1/2	1 1/8	.2
YSB16B16-20	16	1.000	16	3/8	7/16†	1.500	Stl.	.350	27/32	7/16	13/16	.1
YSB16B48-30	16	3.000	48	5/8	13/16	1.313	Stl.	.420	7/8	9/16	1 1/2	.8
YSB16B16-30	16	1.000	16	7/16†	7/16†	2.000	Stl.	.420	59/64	15/32	7/8	.1
YSB16B64-40	16	4.000	64	5/8	1 3/8	1.375	Stl.	.480	57/64	9/16	2 1/4	1.6
YSB16B16-40	16	1.000	16	1/2	1/2	2.500	Stl.	.480	63/64	15/32	13/16	.1
YSB16B96-60	16	6.000	96	5/8	1	1.688	Stl.	.610	1 1/4	7/8	1 3/4	3.0
YSB16B16-60	16	1.000	16	1/2	1/2	3.750	Stl.	.610	1 3/8	23/32	15/16	.1
YSB14B28-20	14	2.000	28	1/2	7/8	1.375	Stl.	.350	15/16	21/32	1 5/8	.5
YSB14B14-20	14	1.000	14	1/2	1/2	1.625	Stl.	.350	31/32	9/16	13/16	.1
YSB12B27-15	12	2.250	27	1/2	13/16	1.750	Stl.	.410	1 1/8	25/32	1 1/2	.6
YSB12B18-15	12	1.500	18	1/2	9/16	1.875	Stl.	.410	1 1/8	21/32	1 1/4	.2
YSB12B36-20 ▲	12	3.000	36	5/8	1 5/16	1.875	Stl.	.530	1 17/64	7/8	2 1/8	1.4
YSB12B18-20 ▲	12	1.500	18	1/2	5/8	2.375	Stl.	.530	1 3/8	13/16	1 5/16	.4
YSB12F36-20x1 ▲	12	3.000	36	1*	—	1.875	Stl.	.530	1 17/64	7/8	2 1/8	1.2
YSB12F18-20x3/4 ▲	12	1.500	18	3/4 ●	—	2.375	Stl.	.530	1 3/8	13/16	1 5/16	.3
YSBF12B36-20	12	3.000	36	5/8	3/4	1.500	Stl.	.460	7/8	1/2	1 7/16	.7
YSBF12B18-20	12	1.500	18	1/2	9/16	2.250	Stl.	.460	1 13/64	11/16	1 1/4	.3
YSB12B48-20	12	4.000	48	5/8	7/8	2.000	Stl.	.590	1 11/64	3/4	1 5/8	1.5
YSB12B24-20	12	2.000	24	1/2	13/16	2.875	Stl.	.590	1 7/16	3/4	1 1/2	.8
YSB12B54-30	12	4.500	54	5/8	1	1.750	Stl.	.600	1 1/16	3/4	1 3/4	1.7
YSB12B18-30	12	1.500	18	1/2	9/16	3.000	Stl.	.600	1 11/32	11/16	1 1/4	.4
YSB12B72-40	12	6.000	72	3/4	1 1/4	2.000	Stl.	.600	1 5/16	61/64	2	3.1
YSB12B18-40	12	1.500	18	1/2	9/16	3.750	Stl.	.600	1 23/64	23/32	1 1/4	.4
YSB12B72-60	12	6.000	72	3/4	1 1/4	1.750	Stl.	.740	1 5/16	61/64	2	3.1
YSB12B12-60	12	1.000	12	1/2	1/2	3.750	Stl.	.740	1 31/64	23/32	15/16	.2
YSB10B30-15	10	3.000	30	3/4	1 1/2	2.250	Stl.	.570	1 7/16	1	2 1/2	1.7
YSB10B20-15	10	2.000	20	3/4	15/16	2.500	Stl.	.570	1 33/64	29/32	1 3/4	.8
YSB10B40-20	10	4.000	40	7/8	2	2.500	Stl.	.710	1 11/16	1 3/16	3	3.7
YSB10B20-20	10	2.000	20	3/4	15/16	3.125	Stl.	.710	1 51/64	1 1/16	1 3/4	.9
YSB10B50-20	10	5.000	50	3/4	1 1/4	2.625	Stl.	.700	1 19/32	1	2	3.6
YSB10B25-20	10	2.500	25	3/4	1 1/4	3.375	Stl.	.700	1 35/64	3/4	2	1.2
YSB10B60-30 ▲	10	6.000	60	7/8	2	2.750	Stl.	.780	1 55/64	1 3/8	3	6.3
YSB10B20-30 ▲	10	2.000	20	3/4	1	4.375	Stl.	.780	2 5/32	1 5/16	1 3/4	1.2
YSB10F60-30x1 ▲	10	6.000	60	1*	—	2.750	Stl.	.780	1 55/64	1 3/8	3	5.9
YSB10F20-30x7/8 ▲	10	2.000	20	7/8*	—	4.375	Stl.	.780	2 5/32	1 5/16	1 3/4	1.2

* With Standard Keyway and Setscrew. ● With Setscrew only.
▲ Bracketed groups—Any pinion may be used with any gear.
† No Keyway or Setscrew.

Installation Data

Browning® Bevel and Miter Gears will give smooth quiet operation if properly mounted and lubricated. The following requirements must be considered:

1. All Stock Bevel and Miter Gears must be accurately mounted at 90° angle for proper tooth bearing.
2. Mounting Distance (MD) is the distance from the end of the hub of one gear to the center line of the mating gear. It is very important that this dimension be correct to provide proper backlash and tooth contact.
3. Since all Bevel and Miter Gears develop axial as well as radial thrust, adequate bearing support must be provided.
4. Lubrication with mineral oil is generally recommended for straight Bevel and Miter Gears. Heavily loaded gears and those subjected to shock will require Extreme Pressure lubricants. Oil temperature should not exceed 150° F. for continuous normal duty, although temperature up to 200° F. may be satisfactory for short periods of operation.

Steel Bevel Gears

20° Pressure Angle

Table No. 1

Specifications — Unhardened Steel Bevel Gears

Part No.	Pitch	Pitch Diam.	No. Teeth	Bore		MD Dim.	Mat'l.	Dimensions				Wt. Lbs.
				Stock	Max.			F	L	P	H	
YSB10B60-40	10	6.000"	60	7/8"	1 5/8"	2.250"	Stl.	.720"	1 5/8"	1 1/8"	2 1/2"	4.6
YSB10B15-40	10	1.500	15	5/8	3/4	3.875	Stl.	.720	1 39/64	27/32	1 7/16	.6
YSB10B90-60	10	9.000	90	1	1 13/16	2.500	Stl.	.860	1 13/16	1 5/16	2 3/4	9.8
YSB10B15-60	10	1.500	15	5/8	3/4	5.500	Stl.	.860	1 55/64	31/32	1 7/16	.6
YSB8B40-20 ▲	8	5.000	40	1	2	2.875	Stl.	.820	1 27/32	1 1/4	3	5.0
YSB8B20-20 ▲	8	2.500	20	7/8	1 1/4	4.000	Stl.	.820	2 9/32	1 13/32	2 1/8	2.0
YSB8F40-20x1 ▲	8	5.000	40	1*	-	2.875	Stl.	.820	1 27/32	1 1/4	3	5.0
YSB8F20-20x1 ▲	8	2.500	20	1*	-	4.000	Stl.	.820	2 9/32	1 13/32	2 1/8	1.8
YSB8B48-30	8	6.000	48	7/8	1 13/16	2.375	Stl.	.840	1 5/8	1	2 3/4	5.3
YSB8B16-30	8	2.000	16	3/4	1	4.250	Stl.	.840	2 5/64	1 3/16	1 3/4	1.2
YSB8B64-40	8	8.000	64	1	1 13/16	2.750	Stl.	.840	1 7/8	1 1/4	2 3/4	9.7
YSB8B16-40	8	2.000	16	7/8	1 1/8	5.250	Stl.	.840	2 3/32	1 7/32	1 7/8	1.3
YSB8B72-40	8	9.000	72	1 1/8	2	3.250	Stl.	1.220	2 5/16	1 11/16	3	12.3
YSB8B18-40	8	2.250	18	7/8	1 1/4	5.750	Stl.	1.220	2 15/32	1 7/32	2 1/8	1.9
YSB6B36-20 ▲	6	6.000	36	1 1/8	2 1/4	3.500	Stl.	1.060	2 1/4	1 1/2	3 1/4	8.4
YSB6B18-20 ▲	6	3.000	18	1	1 7/16	4.750	Stl.	1.060	2 49/64	1 19/32	2 1/2	3.4
YSB6F36-20x1 1/8 ▲	6	6.000	36	1 1/8*	-	3.500	Stl.	1.060	2 1/4	1 1/2	3 1/4	8.6
YSB6F18-20x1 1/8 ▲	6	3.000	18	1 1/8*	-	4.750	Stl.	1.060	2 49/64	1 19/32	2 1/2	3.1
YSB6B42-20	6	7.000	42	1 1/8	2 1/4	3.750	Stl.	1.050	2 19/64	1 1/2	3 1/2	11.4
YSB6B21-20	6	3.500	21	1	1 5/8	5.000	Stl.	1.050	2 33/64	1 1/4	2 1/2	3.8
YSB6B48-20	6	8.000	48	1 1/8	2 1/4	3.438	Stl.	1.170	1 57/64	1	3 1/4	11.8
YSB6B24-20	6	4.000	24	1	1 3/4	5.438	Stl.	1.170	2 35/64	1 1/4	2 5/8	4.9
YSB6B45-30	6	7.500	45	1 1/8	2 1/4	3.000	Stl.	1.070	2 1/8	1 1/4	3 1/4	10.6
YSB6B15-30	6	2.500	15	7/8	1 1/4	5.250	Stl.	1.070	2 9/16	1 7/16	2 1/8	2.3
YSB6B60-40	6	10.000	60	1 1/8	2 1/4	3.250	Stl.	1.210	2 1/4	1 3/8	3 1/4	17.6
YSB6B15-40	6	2.500	15	1	1 3/8	6.750	Stl.	1.210	2 31/32	1 3/4	2 1/2	3.3
YSB5B30-20	5	6.000	30	1 1/8	2 1/4	3.500	Stl.	1.040	2 1/4	1 3/8	3 1/4	8.9
YSB5B15-20	5	3.000	15	1	1 3/8	4.375	Stl.	1.040	2 25/64	1 9/32	2 5/8	3.1
YSB5B45-30	5	9.000	45	1 1/4	2 1/4	3.750	Stl.	1.310	2 1/2	1 11/16	3 3/4	17.1
YSB5B15-30	5	3.000	15	1	1 1/2	5.875	Stl.	1.310	2 11/16	1 5/16	2 5/8	3.6
YSB5B60-40	5	12.000	60	1 1/4	2 3/8	3.750	Stl.	1.700	2 5/8	1 9/16	4	31.2
YSB5B15-40	5	3.000	15	1	1 9/16	7.500	Stl.	1.700	3 13/64	1 7/16	3	5.0
YSB4B32-20	4	8.000	32	1 1/8	2 1/4	4.250	Stl.	1.400	2 11/16	1 9/16	3 3/4	17.6
YSB4B16-20	4	4.000	16	1 1/8	1 7/8	6.000	Stl.	1.400	3 11/32	1 13/16	3 1/4	7.5
YSB4B42-30	4	10.500	42	1 1/8	2 1/4	4.000	Stl.	1.420	2 11/16	1 1/2	3 3/4	26.4
YSB4B14-30	4	3.500	14	1 1/8	1 13/16	7.250	Stl.	1.420	3 27/64	1 15/16	3 1/4	7.0
YSB4B56-40	4	14.000	56	1 1/4	2 5/8	4.250	Stl.	1.690	2 7/8	1 5/8	4 1/4	48.7
YSB4B14-40	4	3.500	14	1 1/8	1 7/8	9.000	Stl.	1.690	3 45/64	1 15/16	3 1/4	7.6
YSB3B30-20	3	10.000	30	1 1/4	3	5.500	Stl.	1.870	3 19/32	2	5	39.9
YSB3B15-20	3	5.000	15	1 1/8	2	7.250	Stl.	1.870	4 1/32	1 15/16	3 3/4	13.7

* With Standard Keyway and Setscrew.

▲ Bracketed groups—Any pinion may be used with any gear

F

Straight Tooth

20° Pressure Angle

Table No. 1

Specifications — Unhardened Steel Miter Gears

Part No.	Pitch	Pitch Diam.	No. Teeth	Bore		MD Dim.	Dimensions				Wt. Lbs.
				Stock	Max.		F	L	P	H	
YSM32B16	32	.500"	16	3/16"	3/16"	.500"	.120"	11/32"	13/64"	13/32"	.1
YSM32B24	32	.750	24	3/16	3/16	.688	.140	27/64	1/4	1/2	.1
YSM24B18	24	.750	18	1/4	1/4	.813	.156	9/16	3/8	5/8	.1
YSM24B24	24	1.000	24	1/4	1/4	.906	.200	9/16	9/32	5/8	.1
YSM20B12	20	.600	12	1/4	1/4	.671	.120	31/64	5/16	1/2	.1
YSM20B18	20	.900	18	5/16	5/16	.953	.140	5/8	13/32	5/8	.1
YSM20B20	20	1.000	20	3/8	3/8	1.125	.234	13/16	1/2	3/4	.1
YSM20B25	20	1.250	25	3/8	1/2	1.188	.250	3/4	7/16	1	.1
YSM16B12	16	.750	12	5/16	5/16	.813	.160	37/64	3/8	5/8	.1
YSM16B16	16	1.000	16	3/8	3/8	1.063	.220	3/4	7/16	3/4	.1
YSM16B20	16	1.250	20	7/16	1/2	1.250	.270	27/32	1/2	1	.2
YSM16B24	16	1.500	24	1/2	1/2	1.375	.310	7/8	1/2	1	.2
YSM14B14	14	1.000	14	3/8	7/16	1.063	.190	47/64	1/2	7/8	.1
x YSM14F14x7/16	14	1.000	14	7/16	7/16	1.063	.190	47/64	1/2	7/8	.1
YSM12B15	12	1.250	15	3/8	1/2	1.250	.270	55/64	1/2	1	.1
YSM12B15x7/16	12	1.250	15	7/16	1/2	1.250	.270	55/64	1/2	1	.1
YSM12B15x1/2	12	1.250	15	1/2	1/2	1.250	.270	55/64	1/2	1	.1
x YSM12F15x1/2	12	1.250	15	1/2	1/2	1.250	.270	55/64	1/2	1	.1
YSM12B18	12	1.500	18	1/2	5/8	1.500	.320	1 1/64	5/8	1 1/4	.3
YSM12B18x5/8	12	1.500	18	5/8	5/8	1.500	.320	1 1/64	5/8	1 1/4	.2
° YSM12F18x5/8	12	1.500	18	5/8	5/8	1.500	.320	1 1/64	5/8	1 1/4	.2
YSM12B21	12	1.750	21	1/2	3/4	1.750	.390	1 3/16	11/16	1 3/8	.4
YSM12B21x5/8	12	1.750	21	5/8	3/4	1.750	.390	1 3/16	11/16	1 3/8	.4
° YSM12F21x5/8	12	1.750	21	5/8	3/4	1.750	.390	1 3/16	11/16	1 3/8	.4
YSM12B21x3/4	12	1.750	21	3/4	3/4	1.750	.390	1 3/16	11/16	1 3/8	.4
° YSM12F21x3/4	12	1.750	21	3/4	3/4	1.750	.390	1 3/16	11/16	1 3/8	.4
YSM12B24	12	2.000	24	1/2	5/8	1.875	.430	1 7/32	11/16	1 5/16	.5
YSM12B30	12	2.500	30	5/8	7/8	2.313	.540	1 31/64	27/32	1 5/8	.9
YSM10B20	10	2.000	20	1/2	7/8	2.000	.440	1 23/64	13/16	1 5/8	.7
YSM10B20x5/8	10	2.000	20	5/8	7/8	2.000	.440	1 23/64	13/16	1 5/8	.7
° YSM10F20x5/8	10	2.000	20	5/8	7/8	2.000	.440	1 23/64	13/16	1 5/8	.7
YSM10B20x3/4	10	2.000	20	3/4	7/8	2.000	.440	1 23/64	13/16	1 5/8	.6
° YSM10F20x3/4	10	2.000	20	3/4	7/8	2.000	.440	1 23/64	13/16	1 5/8	.6
YSM10B25	10	2.500	25	3/4	1 1/4	2.438	.550	1 5/8	15/16	2	1.3
YSM10B25x7/8	10	2.500	25	7/8	1 1/4	2.438	.550	1 5/8	15/16	2	1.2
° YSM10F25x7/8	10	2.500	25	7/8	1 1/4	2.438	.550	1 5/8	15/16	2	1.2
YSM10B25x1	10	2.500	25	1	1 1/4	2.438	.550	1 5/8	15/16	2	1.1
° YSM10F25x1	10	2.500	25	1	1 1/4	2.438	.550	1 5/8	15/16	2	1.1
YSM8B24	8	3.000	24	3/4	1	2.563	.640	1 37/64	13/16	1 3/4	1.4
YSM8B24x1	8	3.000	24	1	1 3/8	2.750	.640	1 49/64	1 1/16	2 1/4	1.8
° YSM8F24x1	8	3.000	24	1	1 3/8	2.750	.640	1 49/64	1 1/16	2 1/4	1.8
YSM8B24x1 1/4	8	3.000	24	1 1/4	1 5/8	2.750	.640	1 49/64	1	2 1/2	1.8
° YSM8F24x1 1/4	8	3.000	24	1 1/4	1 5/8	2.750	.640	1 49/64	1	2 1/2	1.8
° YSM8F28x1 3/16	8	3.500	28	1 3/16	1 5/8	3.250	.750	2 3/32	1 1/4	2 1/2	2.7
° YSM8F28x1 1/4	8	3.500	28	1 1/4	1 5/8	3.250	.750	2 3/32	1 1/4	2 1/2	2.7
YSM8B32x7/8	8	4.000	32	7/8	1 1/2	3.438	.840	2 3/32	15/16	2 3/8	3.8
YSM8B32	8	4.000	32	1	2	3.625	.840	2 9/32	1 1/8	3	4.7
YSM6B24x1	6	4.000	24	1	2	3.625	.860	2 5/16	1 5/16	3	4.6
YSM6B24	6	4.000	24	1 1/4	2	3.625	.860	2 5/16	1 5/16	3	4.4
YSM6B24x1 1/2	6	4.000	24	1 1/2	2	3.625	.860	2 5/16	1 5/16	3	4.1
° YSM6F24x1 1/2	6	4.000	24	1 1/2	2	3.625	.860	2 5/16	1 5/16	3	4.1
YSM6B27	6	4.500	27	1 1/4	2 3/16	4.125	.960	2 5/8	1 1/2	3 1/4	6.3
YSM5B25	5	5.000	25	1 3/8	2 1/4	4.625	1.100	3	1 3/4	3 1/2	8.8
° YSM5F25x1 1/2	5	5.000	25	1 1/2	2 1/4	4.625	1.100	3	1 3/4	3 1/2	8.4
° YSM5F25x1 3/4	5	5.000	25	1 3/4	2 1/4	4.625	1.100	3	1 3/4	3 1/2	7.8
YSM4B24	4	6.000	24	1 1/2	2 3/8	5.500	1.330	3 9/16	1 15/16	4	14.5
° YSM4F24x1 3/4	4	6.000	24	1 3/4	2 3/8	5.500	1.330	3 9/16	1 15/16	4	14.0
YSM4B28	4	7.000	28	2	3	6.000	1.430	3 5/8	1 15/16	5	21.5

x - With Setscrews only.
o - With Standard Keyway and Setscrew

Browning® Miter Gears are available in both Hardened and Unhardened types. For Engineering see Pages F-72 to F-74.

Straight Tooth

20° Pressure Angle

Table No. 1

Specifications — Hardened Steel Miter Gears

Part No.	Pitch	Pitch Diam.	No. Teeth	Bore	MD Dim.	Dimensions				Wt. Lbs.
						F	L	P	H	
YSM16F16Hx3/8	16	1.000"	16	3/8"	1 1/16"	.22"	3/4"	7/16"	3/4"	.1
YSM12F15Hx1/2	12	1.250	15	1/2	1 1/4	.27	55/64	1/2	1	.1
YSM12F18Hx5/8	12	1.500	18	5/8	1 1/2	.32	1 1/64	5/8	1 1/4	.2
YSM12F21Hx5/8	12	1.750	21	5/8	1 3/4	.39	1 3/16	11/16	1 3/8	.4
YSM12F30Hx5/8	12	2.500	30	5/8	2 5/16	.54	1 31/64	27/32	1 5/8	.8
YSM10F20Hx5/8	10	2.000	20	5/8	2	.44	1 23/64	13/16	1 5/8	.6
YSM10F20Hx3/4	10	2.000	20	3/4	2	.44	1 23/64	13/16	1 5/8	.6
YSM10F25Hx3/4	10	2.500	25	3/4	2 7/16	.55	1 5/8	15/16	2	1.3
YSM10F25Hx7/8	10	2.500	25	7/8	2 7/16	.55	1 5/8	15/16	2	1.2
YSM10F25Hx1	10	2.500	25	1	2 7/16	.55	1 5/8	15/16	2	1.2
YSM8F24Hx3/4	8	3.000	24	3/4	2 9/16	.64	1 37/64	13/16	1 3/4	1.4
YSM8F24Hx1	8	3.000	24	1	2 3/4	.64	1 49/64	1 1/16	2 1/4	1.8
YSM8F24Hx1 1/4	8	3.000	24	1 1/4	2 3/4	.64	1 49/64	1	2 1/2	1.8
YSM8F28Hx1	8	3.500	28	1	3 1/4	.75	2 3/32	1 1/4	2 1/2	2.9
YSM8F28Hx1 3/16	8	3.500	28	1 3/16	3 1/4	.75	2 3/32	1 1/4	2 1/2	2.8
YSM8F28Hx1 1/4	8	3.500	28	1 1/4	3 1/4	.75	2 3/32	1 1/4	2 1/2	2.7
YSM8F32Hx1	8	4.000	32	1	3 5/8	.84	2 9/32	1 1/8	3	4.8
YSM6F24Hx1 1/4	6	4.000	24	1 1/4	3 5/8	.86	2 5/16	1 5/16	3	4.5
YSM6F24Hx1 1/2	6	4.000	24	1 1/2	3 5/8	.86	2 5/16	1 5/16	3	4.0
YSM5F25Hx1 3/8	5	5.000	25	1 3/8	4 5/8	1.10	3	1 3/4	3 1/2	8.6
YSM5F25Hx1 3/4	5	5.000	25	1 3/4	4 5/8	1.10	3	1 3/4	3 1/2	7.9
YSM4F24Hx1 3/4	4	6.000	24	1 3/4	5 1/2	1.33	3 9/16	1 15/16	4	13.8

All of above have Standard Keyway and Setscrew.

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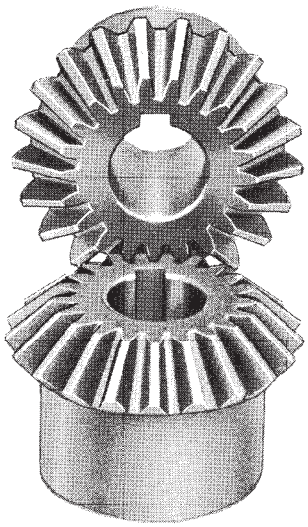
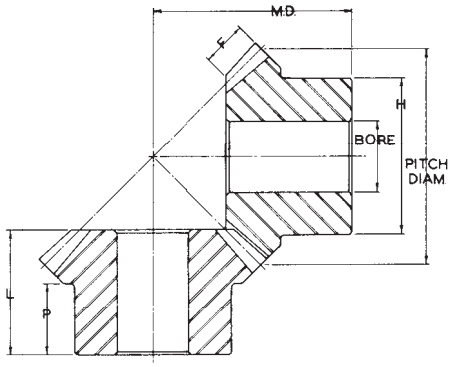


Standard Keyseats

Table No. 2

Bore Range	Keyseat
3/8"	3/32" x 3/64"
1/2	1/8 x 1/16
5/8 to 7/8	3/16 x 3/32
15/16 to 1 1/4	1/4 x 1/8
1 3/8 to 1 3/4	3/8 x 3/16



Miter Gears must be run in sets of two or more Gears with the same Pitch, Pressure Angle and number of Teeth.

Spiral Bevel and Miter Gears have continuous pitch line contact and therefore run more smoothly and quietly than straight tooth gears. They must be run in sets of mating gears with opposite hand spiral. In Browning® stock spiral bevel gear sets the pinion has left hand spiral and the gear has right hand spiral.

Table No. 1

Specifications — Hardened Steel Spiral Bevel Gears

Part No.	Pitch	Pitch Dia.	No. Teeth	Bore	Keyseat	MD Dim.	DIMENSIONS				Wt. Lbs.
							F	L	P	H	
YSBS14F16LH-20x1/2	14	1.143	16	1/2	1/8 x 1/16	1.625	.380	27/32	29/64	1	.2
YSBS14F32RH-20x7/8	14	2.285	32	7/8	3/16 x 3/32	1.375	.380	27/32	9/16	1 5/8	.6
YSBS10F17LH-20x5/8	10	1.700	17	5/8	3/16 x 3/32	2.375	.570	1 7/32	5/8	1 1/2	.6
YSBS10F34RH-20x1 3/16	10	3.400	34	1 3/16	1/4 x 1/8	1.875	.570	1 1/8	3/4	2	1.5
YSBS8F17LH-20x3/4	8	2.125	17	3/4	3/16 x 3/32	3.125	.710	1 11/16	15/16	1 7/8	1.5
YSBS8F34RH-20x1 1/2	8	4.250	34	1 1/2	3/8 x 3/16	2.500	.710	1 9/16	1 1/16	2 7/8	3.2

All sizes are furnished with Keyseat and Setscrew.

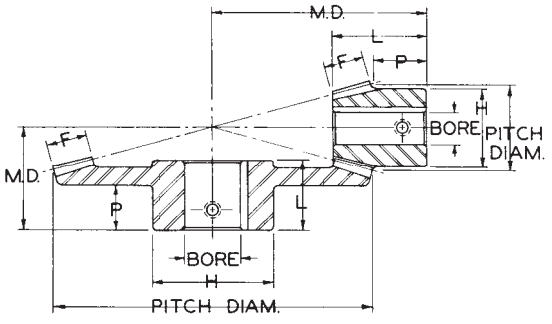
Table No. 2

Specifications — Hardened Steel Spiral Miter Gears

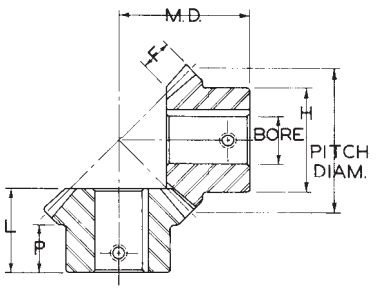
Part No.	Pitch	Pitch Dia.	No. Teeth	Bore	Keyseat	MD Dim.	DIMENSIONS				Wt. Lbs.
							F	L	P	H	
YSMS12F15RHx1/2	12	1.250	15	1/2	1/8 x 1/16	1.250	.270	27/32	1/2	1	.2
YSMS12F15LHx1/2	12	1.250	15	1/2	1/8 x 1/16	1.250	.270	27/32	1/2	1	.2
YSMS12F18RHx5/8	12	1.500	18	5/8	3/16 x 3/32	1.500	.320	1	5/8	1 1/4	.3
YSMS12F18LHx5/8	12	1.500	18	5/8	3/16 x 3/32	1.500	.320	1	5/8	1 1/4	.3
YSMS10F20RHx3/4	10	2.000	20	3/4	3/16 x 3/32	2.000	.440	1 11/32	13/16	1 5/8	.7
YSMS10F20LHx3/4	10	2.000	20	3/4	3/16 x 3/32	2.000	.440	1 11/32	13/16	1 5/8	.7
YSMS10F25RHx7/8	10	2.500	25	7/8	3/16 x 3/32	2.437	.570	1 5/8	15/16	2	1.4
YSMS10F25LHx7/8	10	2.500	25	7/8	3/16 x 3/32	2.437	.570	1 5/8	15/16	2	1.4
YSMS8F28RHx1 3/16	8	3.500	28	1 3/16	1/4 x 1/8	3.250	.780	2 3/32	1 1/4	2 1/2	2.8
YSMS8F28LHx1 3/16	8	3.500	28	1 3/16	1/4 x 1/8	3.250	.780	2 3/32	1 1/4	2 1/2	2.8
YSMS7F21RHx1	7	3.000	21	1	1/4 x 1/8	2.750	.680	1 25/32	7/8	2 1/4	2.1
YSMS7F21LHx1	7	3.000	21	1	1/4 x 1/8	2.750	.680	1 25/32	7/8	2 1/4	2.1
YSMS6F24RHx1 1/4 ▲	6	4.000	24	1 1/4	1/4 x 1/8	3.625	.890	2 5/16	1 5/16	3	4.3
YSMS6F24LHx1 1/4 ▲	6	4.000	24	1 1/4	1/4 x 1/8	3.625	.890	2 5/16	1 5/16	3	4.3
YSMS6F24RHx1 1/2	6	4.000	24	1 1/2	3/8 x 3/16	3.625	.890	2 5/16	1 5/16	3	4.0
YSMS6F24LHx1 1/2	6	4.000	24	1 1/2	3/8 x 3/16	3.625	.890	2 5/16	1 5/16	3	4.0
YSMS5F25RHx1 3/8	5	5.000	25	1 3/8	5/16 x 5/32	4.625	1.140	3	1 3/4	3 1/2	8.7
YSMS5F25LHx1 3/8	5	5.000	25	1 3/8	5/16 x 5/32	4.625	1.140	3	1 3/4	3 1/2	8.7

▲ **These gears will run together to give selection of bore combinations.**
All sizes are furnished with Keyseat and Setscrew.

For Engineering Data, See Page F-75



Spiral Bevel Gears



Spiral Miter Gears

GENERAL

Spur gearing is the most widely used type for power transmission, offering uniform ratio and positive shaft locations. Two or more spur gears may be used in a gear train for positively connecting shafts rotating at a constant speed ratio. The relative speed of rotation is governed by the gear ratio, or number of teeth in the driven gear divided by the number of teeth in the driver. Additional gears in a train may offer other shaft speeds as well as opposite shaft rotation.

Spur gears are strong and efficient, and when properly used, will give long and satisfactory service. For higher speed applications, where noise is a factor, a non-metallic gear of laminated phenolic may be used in the gear train. While 14 1/2° Pressure Angle involute tooth form is most widely used, 20° Pressure Angle is also a standard type. Gears using 14 1/2° and 20° pressure angles will not operate together. The 20° type is desired for heavy shock loads.

For many high speed applications, Helical Gears have superseded spur gears due to quieter operation. Helical Gears give maximum smoothness and quietness when used on parallel shafts. Since these gears develop end thrust, it is necessary to provide suitable counteracting thrust washers or bearings.

Helical Gears are also known as Spiral Gears when used on right angle shaft applications. They are used for low ratios and where little horsepower is required, but smoothness of operation is desired.

Bevel and Miter Gears are used for right angle drives where shafts intersect. Miter Gear sets give 1:1 ratio. Bevel Gear set stock ratios range from 1 1/2:1 to 6:1. Bevel and Miter Gears are subject to the same limitations of speed and operating conditions as are Spur Gears. They develop end thrust which must be counteracted by suitable washers or bearings.

Bushed Miter Gears using stock Browning Split Taper® Bushings are also available. Use of the Tapered Bushing eliminates the requirement for thrust washers or bearings.

Worm Gearing is used for higher speed ratios and is the smoothest and quietest form of gearing when correctly designed and properly lubricated. They develop end thrust which must be counteracted by suitable washers or bearings.

Horsepower ratings govern gear selection for safe operation based on beam strength alone. This does not take wear into account. Hardened teeth will improve life as will the correct type of lubrication.

LUBRICATION

Since all types of gears operate more smoothly, quietly and with longer life expectancy if properly lubricated, it is an important consideration in the design of gear drives. Lubrication may be by drip, splash, immersion or pressure, depending on the type of gear, speed in terms of pitch-line velocity, hardness of material and combination of materials.

The most common types of gear lubricants used to hold gear tooth wear to a minimum and to minimize rubbing and sliding friction between metallic teeth are generally of mineral origin. Vegetable and animal as well as some synthetic lubricants are also occasionally used. Mineral oils, paraffin or asphaltic base are recommended for most gear applications. These oils are suitable for gears of all materials, including non-metallic materials.

Worm gearing is subjected entirely to sliding friction rather than combined sliding and rolling friction encountered with involute spur gears. The best result in worm gear lubrication is obtained with a steam cylinder oil or an oil containing a small percentage of acid-free tallow.

The pour point of any lubricant should be below the lowest expected operating temperature. Where heavy loads are expected, mild extreme-pressure lubricant should be used, with viscosity the same as for mineral oil. The extreme-pressure lubricants should not be used for bronze gears

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RATINGS

BROWNING® Gears are rated in accordance with AGMA and Industrial Standards, and are based on 8-10 hours operation per day, no shock load and oil bath lubrication. The ratings, except worms and worm gears, are based primarily on the Lewis Formula, Barth Revision, which takes into consideration beam strength, but not wear. Worm and worm gear ratings are according to AGMA Standards including strength and wear considerations. Material stress values are shown in Table No. 1. Gear life is largely dependent on the type of service, care in installation and method of lubrication. **BROWNING** suggests using Service Factors shown in Tables No. 2 and 3 for better design of all gear drives.

Material Stress Values

Table No. 1

Type Gear	Material	Stress PSI
Spur	Hardened Steel	30000
Spur	Unhardened Steel	20000
Spur	Cast Iron	12000
Spur	Non-Metallic	6000
Bevel	Unhardened Steel	16000
Miter	Hardened Steel	25000
Miter	Unhardened Steel	16000

SERVICE FACTORS

Type Load

Table No. 2

Hours Operation per Day	Service Factors		
	No Shock	Light Shock	Heavy Shock
8-10	1.0	1.2	1.4
11-16	1.1	1.3	1.5
17-24	1.2	1.4	1.6

Type Lubrication

Table No. 3

Type Lubrication	Service Factor
Intermittent	.7
Grease	.4
Oil, Drip	.2
Oil, Bath	.0

Spur Gears

BROWNING® Spur Gears are made to Standard Diametral Pitch and are available in 14 1/2° and 20° pressure angles. The Diametral Pitch of a gear refers to the number of teeth per inch of Pitch Diameter.

The Center Distance between two spur gears is one-half the sum of their Pitch Diameters. BROWNING Spur Gears are cut to run at standard center distance with proper backlash to provide for lubrication and misalignment.

Tables of gear specifications and of Horsepower Ratings at a variety of speeds are given for currently available sizes. Fine pitch gears, primarily used to transmit motion rather than power, are not shown in Horsepower Tables. Horsepower Ratings are based on tooth strength, for normal 8 hour operation, with proper lubrication, and at a pitch line velocity not over 1000 feet per minute for 14 1/2° P.A. gears and 1200 feet per minute for 20° P.A. gears. For more severe service additional horsepower capacity must be provided.

The following Diametral Pitch Formulae are used in the design of BROWNING Spur Gears:

DIAMETRAL PITCH IS THE NUMBER OF TEETH PER EACH INCH OF PITCH DIAMETER

Table No. 1

To Obtain	Having	Formulae
Diametral Pitch	Circular Pitch	Divide 3.1416 by the Circular Pitch.
	Number of Teeth and Pitch Dia.	Divide the Number of Teeth by the Pitch Diameter.
	Number of Teeth and Outside Dia.	Divide No. of Teeth plus 2 by the Outside Diameter.
Pitch Diameter	Number of Teeth and Diametral Pitch	Divide the Number of Teeth by the Diametral Pitch.
	Number of Teeth and Outside Dia.	Divide the product of the number of Teeth and the Outside Diameter by the Number of Teeth plus 2.
	Outside Diameter and Diametral Pitch	From the Outside Diameter subtract the quotient of 2 divided by the Diametral Pitch.
Number of Teeth	Pitch Diameter and Diametral Pitch	Multiply the Pitch Diameter by the Diametral Pitch.
Tooth Thickness on the Pitch Line	Diametral Pitch	Divide 1.5708 by the Diametral Pitch.
Addendum	Diametral Pitch	Divide 1 by the Diametral Pitch.
Outside Diameter	Pitch Diameter and Addendum	Add 2 Addendums to the Pitch Diameter.
Minimum Whole Depth (Hobbed)	Diametral Pitch	Coarser than 24 D.P. = $\frac{2.35}{D.P.}$
Clearance	Whole Depth and Addendum	From the Whole Depth subtract 2 Addendums
Center Distance	Driver P.D.	Driver P.D. + Driven P.D.
	Driven P.D.	2

BROWNING Spur Gear of 14 1/2° and 20° Pressure Angle are available in several types as indicated on pages F-3 to F-34. The 14 1/2° Change Gear offer many additional ratios since they can be modified with Stock Steel Hubs for use as Spur Gears, and are available with any number of teeth between the smallest and largest stock sizes.

Spur Gear Drives, for acceptable operation, should have a basic minimum number of teeth as shown in Table No. 2

below. For smooth operation and an economical drive select the finest pitch gears of suitable capacity. Because 20° P.A. Spur Gears have a greater horsepower capacity than comparable 14 1/2° P. A. gears, using 20° P. A. gears will normally give a finer pitch, smoother running, and less expensive gear drive.

The rating of both the driving pinion and the driven gear must be equal to or greater than the required design horsepower of the drive, including all Service Factors.

Table No. 2

Pressure Angle	Min. No. of Teeth in Pinion	Preferred Min. No. of Teeth in Pinion	Min. Total No. of Teeth in Mating Pair
14 1/2°	16	20	40
20°	14	18	28

WARNING — Less than optimum performance, i.e., high noise, less life, etc. may be expected if gears below minimums indicated are used.

⚠WARNING **See Table No. 2, Page F-49 for Minimum Recommended Gear Sizes**

14 1/2° SPUR GEAR
PITCH SELECTION CHARTS

Table No. 1

Design H.P.	16 Teeth							18 Teeth							20 Teeth						
	R.P.M. Small Gear							R.P.M. Small Gear							R.P.M. Small Gear						
	50	100	300	600	900	1200	1800	50	100	300	600	900	1200	1800	50	100	300	600	900	1200	1800
.05	16	20	24	32	32	32	32	16	20	24	32	32	32	32	16	20	24	32	32	32	32
.10	12	16	20	24	24	32	32	12	16	20	24	32	32	32	12	16	24	24	32	32	32
1/4	10	12	16	20	20	24	24	10	12	16	20	20	24	24	10	12	16	20	24	24	24
1/3	8	10	16	16	20	20	24	10	12	16	20	20	20	24	10	12	16	20	20	24	24
1/2	8	10	12	16	16	20	20	8	10	12	16	16	20	20	8	10	12	16	20	20	20
3/4	6	8	12	12	16	16	16	6	10	12	12	16	16	20	8	10	12	16	16	16	20
1	6	8	10	12	12	16	16	6	8	12	12	12	16	16	6	8	12	12	16	16	16
1 1/2	5	6	10	12	12	12	12	5	6	10	12	12	12	12	6	8	10	12	12	12	16
2	4	6	8	10	12	12	12	5	6	8	10	12	12	12	5	6	10	10	12	12	12
3	4	5	8	8	10	10	10	4	5	8	10	10	10	12	4	6	8	10	10	10	12
5	3	4	6	8	8	8	10	3	4	6	8	8	8	10	4	5	6	8	8	10	10
7 1/2	3	3	5	6	6	6	8	3	4	5	6	6	8	8	3	4	6	6	8	8	—
10	3	3	4	5	6	6	—	3	3	5	6	6	6	6	3	3	5	6	6	—	—
15	—	3	4	4	5	—	—	—	—	4	5	5	5	6	—	3	4	5	5	—	—
20	—	—	3	4	4	—	—	—	—	3	4	5	—	—	—	3	4	4	5	—	—
25	—	—	3	3	4	—	—	—	—	3	4	—	—	—	—	—	3	4	—	—	—
30	—	—	3	3	—	—	—	—	—	3	3	—	—	—	—	—	3	—	—	—	—
40	—	—	—	3	—	—	—	—	—	3	3	—	—	—	—	—	3	—	—	—	—
50	—	—	—	3	—	—	—	—	—	—	3	—	—	—	—	—	—	—	—	—	—

Table No. 2

Design H.P.	22 Teeth							24 Teeth							26 Teeth						
	R.P.M. Small Gear							R.P.M. Small Gear							R.P.M. Small Gear						
	50	100	300	600	900	1200	1800	50	100	300	600	900	1200	1800	50	100	300	600	900	1200	1800
.05	20	20	32	32	32	32	32	20	24	32	32	32	32	32	20	24	32	32	32	32	32
.10	12	16	24	24	32	32	32	16	20	24	32	32	32	32	16	20	24	32	32	32	32
1/4	10	12	20	20	24	24	24	12	12	20	20	24	24	24	12	12	20	24	24	24	32
1/3	10	12	16	20	20	24	24	10	12	16	20	20	24	24	10	12	16	20	24	24	24
1/2	10	10	16	16	20	20	20	10	12	16	16	20	20	24	10	12	16	20	20	20	24
3/4	8	10	12	16	16	16	20	8	10	12	16	16	20	20	8	10	12	16	16	20	20
1	6	8	12	12	16	16	16	8	10	12	12	16	16	16	8	10	12	16	16	16	20
1 1/2	6	8	10	12	12	12	16	6	8	10	12	12	12	16	6	8	12	12	12	16	16
2	5	6	10	12	12	12	12	6	6	10	12	12	12	12	6	8	10	12	12	12	—
3	4	6	8	10	10	12	12	5	6	8	10	10	12	12	5	6	8	10	12	12	—
5	4	5	6	8	8	10	—	4	5	6	8	10	10	—	4	5	8	8	10	10	—
7 1/2	3	4	6	6	8	8	—	3	4	6	6	8	8	—	4	5	6	8	8	—	—
10	3	4	5	6	6	6	—	—	4	5	6	6	8	—	3	4	6	6	6	—	—
15	—	3	4	5	6	—	—	—	3	4	5	6	—	—	—	3	5	6	—	—	—
20	—	3	4	4	—	—	—	—	—	4	5	—	—	—	—	—	4	5	—	—	—
25	—	—	3	4	—	—	—	—	—	3	4	—	—	—	—	—	4	—	—	—	—
30	—	—	3	4	—	—	—	—	—	3	4	—	—	—	—	—.	3	—	—	—	—

Table No. 3

Design H.P.	28 Teeth							30 Teeth							32 Teeth						
	R.P.M. Small Gear							R.P.M. Small Gear							R.P.M. Small Gear						
	50	100	300	600	900	1200	1800	50	100	300	600	900	1200	1800	50	100	300	600	900	1200	1800
.05	20	24	32	32	32	32	32	20	24	32	32	32	32	32	20	24	32	32	32	32	32
.10	16	20	24	32	32	32	32	16	20	24	32	32	32	32	16	20	24	32	32	32	32
1/4	12	16	20	24	24	24	32	12	16	20	24	24	24	32	12	16	20	24	24	24	32
1/3	12	12	20	20	24	24	24	12	12	20	20	24	24	24	12	12	20	20	24	24	24
1/2	10	12	16	20	20	20	24	10	12	16	20	20	20	24	10	12	16	20	20	24	24
3/4	8	10	12	16	20	20	20	8	10	12	16	20	20	20	8	12	16	16	20	20	20
1	8	10	12	16	16	16	20	8	10	12	16	16	16	20	8	10	12	16	16	20	20
1 1/2	6	8	12	12	12	16	16	6	8	12	12	16	16	16	6	8	12	12	16	16	16
2	6	8	10	12	12	12	16	6	8	10	12	12	12	16	6	8	10	12	12	12	16
3	5	6	10	10	12	12	—	5	6	10	10	12	12	—	5	6	10	12	12	12	—
5	4	5	8	8	10	—	—	3	6	8	10	10	—	—	4	6	8	10	10	—	—
7 1/2	4	5	6	8	8	—	—	3	5	6	8	8	—	—	3	5	6	8	8	—	—
10	3	4	6	6	8	—	—	3	3	6	6	8	—	—	3	3	6	6	8	—	—
15	—	3	5	6	—	—	—	—	3	5	6	—	—	—	—	3	5	6	—	—	—
20	—	—	4	5	—	—	—	—	3	3	5	—	—	—	—	3	3	—	—	—	—
25	—	—	4	—	—	—	—	—	—	3	—	—	—	—	—	—	3	—	—	—	—
30	—	—	3	—	—	—	—	—	—	3	—	—	—	—	—	—	3	—	—	—	—

F

Spur Gears

BROWNING® Spur Gear Horsepower Tables when used in conjunction with "Pitch Selection Charts," Pages F-50 and F-55 and "Ratio and Center Distance Charts," Pages F-59 to F-71, greatly simplify the selection of a Spur Gear Drive, including those using change gears and non-metallic spur gears.

All BROWNING spur Gears, steel, cast iron and non-metallic have the proper amount of backlash incorporated in them so that mounting on centers of one-half the sum of the pitch diameters is the correct setting. Closer mounting removes the backlash, causing crowding and rapid destruction of the involute profiles generated in the gear teeth. Bearings of ample size should be mounted adjacent to each gear to prevent shaft deflection.

Table No. 1

Ratings for 14 1/2° Steel Spur and Change Gears

Number of Teeth	HORSEPOWER AT VARIOUS R.P.M.																						
	32 D.P.							24 D.P.							20 D.P.								
	100	200	300	600	900	1200	1800	100	200	300	600	900	1200	1800	100	200	300	600	900	1200	1800		
11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.04	.07	.10	.19	.27	.34	.46		
12	—	—	—	—	—	—	—	.02	.03	.05	.09	.13	.17	.22	.04	.07	.10	.19	.27	.34	.46		
13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.04	.08	.12	.22	.30	.38	.50		
14	—	—	—	—	—	—	—	.02	.04	.06	.12	.17	.21	.28	.05	.09	.13	.24	.33	.41	.55		
15	.011	.021	.030	.057	.081	.103	.141	.03	.05	.07	.13	.18	.23	.31	.06	.10	.15	.27	.38	.47	.61		
16	.012	.023	.033	.063	.089	.112	.153	.03	.05	.08	.14	.20	.25	.33	.06	.11	.16	.30	.41	.51	.66		
17	—	—	—	—	—	—	—	.03	.06	.09	.16	.22	.27	.36	.07	.12	.18	.32	.45	.55	.71		
18	.014	.027	.040	.074	.104	.131	.176	.03	.06	.09	.17	.23	.29	.38	.07	.14	.19	.35	.47	.59	.75		
19	—	—	—	—	—	—	—	.04	.07	.10	.18	.25	.31	.40	.07	.14	.21	.37	.50	.62	.79		
20	.016	.031	.046	.084	.119	.148	.198	.04	.07	.11	.19	.26	.33	.42	.08	.16	.22	.40	.55	.67	.85		
21	—	—	—	—	—	—	—	.04	.08	.11	.20	.28	.34	.45	.09	.16	.24	.42	.57	.70	.89		
22	.018	.034	.051	.094	.132	.164	.218	.04	.08	.12	.21	.29	.36	.46	.09	.18	.25	.45	.60	.73	.93		
23	—	—	—	—	—	—	—	.05	.09	.13	.22	.30	.37	.48	.10	.19	.27	.47	.63	.77	.97		
24	.019	.039	.056	.104	.144	.178	.235	.05	.09	.13	.23	.32	.39	.50	.10	.19	.28	.49	.65	.78	.94		
25	—	—	—	—	—	—	—	.05	.10	.14	.25	.33	.40	.52	.11	.20	.29	.51	.68	.82	1.02		
26	.022	.043	.063	.114	.158	.195	.254	.05	.10	.14	.26	.35	.42	.53	—	—	—	—	—	—	—		
27	—	—	—	—	—	—	—	.06	.11	.15	.27	.36	.44	.55	—	—	—	—	—	—	—		
28	.024	.047	.068	.124	.171	.210	.272	.06	.11	.16	.28	.37	.45	.57	.12	.23	.33	.58	.76	.90	1.13		
30	.027	.051	.074	.134	.184	.224	.289	.06	.12	.17	.30	.40	.48	.60	.13	.25	.36	.62	.81	.96	1.18		
32	.029	.055	.079	.142	.194	.236	.303	.07	.13	.18	.32	.42	.50	.63	.14	.27	.38	.65	.85	1.00	1.23		
33	—	—	—	—	—	—	—	.07	.13	.19	.33	.43	.52	.64	—	—	—	—	—	—	—		
35	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.16	.30	.42	.70	.91	1.07	1.30		
36	—	—	—	—	—	—	—	.08	.15	.21	.36	.47	.55	.68	.16	.31	.43	.73	.94	1.10	1.33		
39	—	—	—	—	—	—	—	.09	.16	.22	.38	.50	.59	.72	—	—	—	—	—	—	—		
40	.037	.071	.101	.178	.238	.286	.358	.09	.16	.23	.39	.51	.60	.73	.19	.35	.48	.80	1.03	1.19	1.43		
42	—	—	—	—	—	—	—	.09	.17	.24	.41	.53	.62	.75	—	—	—	—	—	—	—		
44	—	—	—	—	—	—	—	.10	.18	.25	.43	.55	.64	.77	—	—	—	—	—	—	—		
45	—	—	—	—	—	—	—	.10	.19	.26	.43	.56	.65	.78	.21	.39	.54	.88	1.11	1.28	1.51		
48	.045	.086	.122	.210	.276	.328	.403	.11	.20	.28	.46	.59	.68	.81	.23	.41	.57	.92	1.16	1.33	1.56		
50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.24	.43	.59	.95	1.19	1.36	1.59		
54	—	—	—	—	—	—	—	.12	.22	.30	.50	.63	.72	.85	—	—	—	—	—	—	—		
55	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.26	.47	.64	1.01	1.26	1.43	1.65		
56	.054	.100	.141	.238	.308	.362	.438	.13	.23	.32	.52	.65	.75	.87	—	—	—	—	—	—	—		
60	—	—	—	—	—	—	—	.13	.24	.33	.54	.67	.77	.90	.28	.50	.68	1.07	1.31	1.48	1.70		
64	.062	.113	.159	.263	.337	.392	.469	.14	.26	.36	.56	.70	.80	.93	.30	.53	.72	1.11	1.35	1.52	—		
66	—	—	—	—	—	—	—	.15	.26	.36	.57	.71	.80	.93	—	—	—	—	—	—	—		
70	—	—	—	—	—	—	—	.16	.28	.38	.60	.73	.83	.96	.33	.58	.78	1.19	1.44	1.61	—		
72	—	—	—	—	—	—	—	.16	.29	.39	.61	.74	.84	—	.34	.59	.80	1.21	1.46	1.62	—		
75	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.35	.61	.82	1.23	1.48	1.65	—		
80	.076	.139	.205	.307	.385	.441	.515	—	—	—	—	—	—	—	.37	.64	.85	1.27	1.52	1.68	—		
84	—	—	—	—	—	—	—	.18	.32	.43	.66	.80	.89	—	.39	.67	.88	1.30	1.55	—	—		
90	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.41	.71	.93	1.36	1.61	—	—		
96	.091	.163	.222	.346	.425	.481	.552	.21	.36	.48	.72	.86	.95	—	.44	.74	.97	1.40	1.64	—	—		
100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.46	.77	1.01	1.44	1.69	—	—		
110	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.49	.83	1.07	1.50	1.74	—	—		
112	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.50	.84	1.08	1.51	1.75	—	—		
120	—	—	—	—	—	—	—	.25	.43	.56	.80	.94	—	—	.53	.88	1.12	1.56	1.79	—	—		
128	.118	.206	.274	.408	.487	.539	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
132	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.57	.93	1.18	1.61	—	—	—		
140	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.60	.97	1.22	1.65	—	—	—		
144	—	—	—	—	—	—	—	.30	.49	.63	.87	1.00	—	—	.61	.98	1.24	1.66	—	—	—		
150	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.64	1.02	1.28	1.71	—	—	—		
156	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.66	1.05	1.30	1.73	—	—	—		
160	.143	.244	.318	.456	.532	—	—	—	—	—	—	—	—	—	.67	1.06	1.32	1.74	—	—	—		
168	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.69	1.09	1.35	1.78	—	—	—		
180	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.73	1.13	1.39	1.81	—	—	—		
192	.167	.277	.354	.492	.566	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
200	.173	.285	.364	.501	—	—	—	—	—	—	—	—	—	—	.78	1.20	1.46	1.88	—	—	—		

Ratings below Heavy Line are not recommended as Pitch Line Velocity exceeds 1000 feet per minute; they are published for interpolation purposes only. Interpolate for intermediate sizes and speeds.

⚠WARNING **See Table No. 2, Page F-49 for Minimum Recommended Gear Sizes**

Table No. 1

Ratings for 14 1/2° Steel and Cast Iron Spur Gears and Steel Change Gears

Number of Teeth	HORSEPOWER AT VARIOUS R.P.M.																						
	16 D.P.							12 D.P.							10 D.P.								
	100	200	300	600	900	1200	1800	100	200	300	600	900	1200	1800	100	200	300	600	900	1200	1800		
11	.08	.15	.21	.39	.55	.68	.89	.20	.38	.55	.99	1.34	1.64	2.09	.38	.72	1.04	1.83	2.45	2.95	3.71		
12	.08	.15	.21	.39	.55	.68	.89	.20	.38	.55	.99	1.34	1.64	2.09	.38	.72	1.04	1.83	2.45	2.95	3.71		
13	.09	.17	.24	.44	.61	.75	.98	.21	.43	.62	1.11	1.49	1.81	2.30	.43	.81	1.16	2.03	2.70	3.24	4.04		
14	.10	.18	.26	.48	.66	.81	1.05	.25	.47	.68	1.20	1.61	1.94	2.45	.48	.90	1.28	2.21	2.92	3.49	4.16		
15	.11	.22	.31	.55	.75	.94	1.18	.28	.55	.80	1.38	1.84	2.21	2.76	.54	1.03	1.47	2.50	3.29	3.92	4.87		
16	.13	.24	.33	.60	.81	1.00	1.27	.32	.60	.86	1.50	2.01	2.39	2.96	.61	1.12	1.63	2.69	3.56	4.22	5.13		
17	.13	.25	.36	.64	.87	1.06	1.35	.34	.66	.93	1.61	2.13	2.54	3.14	.65	1.23	1.73	2.93	3.81	4.48	5.43		
18	.15	.29	.39	.69	.93	1.13	1.43	.37	.71	1.02	1.73	2.27	2.71	3.31	.76	1.40	1.94	3.24	4.16	4.86	5.83		
19	.15	.29	.42	.73	.98	1.19	1.49	.40	.75	1.07	1.82	2.38	2.82	3.45	.76	1.41	1.97	3.29	4.24	4.94	5.93		
20	.17	.32	.45	.79	1.06	1.27	1.59	.44	.82	1.15	1.95	2.54	2.99	3.64	.83	1.53	2.13	3.53	4.52	5.25	6.28		
21	.18	.34	.48	.85	1.13	1.35	1.68	.47	.87	1.23	2.07	2.68	3.14	3.81	.88	1.62	2.26	3.72	4.73	5.48	6.52		
22	.19	.36	.51	.88	1.17	1.40	1.73	.49	.92	1.28	2.15	2.78	3.25	3.92	.93	1.71	2.38	3.88	4.93	5.69	6.73		
23	.20	.37	.53	.92	1.21	1.45	1.78	.52	.96	1.34	2.23	2.87	3.35	4.02	—	—	—	—	—	—	—		
24	.21	.39	.56	.96	1.26	1.49	1.84	.55	1.01	1.41	2.33	2.99	3.47	4.15	1.03	1.87	2.59	4.17	5.25	6.02	7.07		
25	—	—	—	—	—	—	—	.57	1.05	1.47	2.42	3.08	3.58	4.25	1.08	1.97	2.71	4.35	5.45	6.24	7.29		
26	.23	.43	.61	1.04	1.36	1.60	1.95	.60	1.11	1.54	2.52	3.20	3.70	4.38	1.13	2.06	2.83	4.51	5.63	6.42	7.49		
28	.25	.47	.66	1.11	1.44	1.70	2.05	.66	1.20	1.66	2.69	3.39	3.90	4.59	1.24	2.24	3.06	4.82	5.97	6.77	—		
30	.28	.51	.72	1.20	1.54	1.80	2.17	.72	1.30	1.79	2.88	3.60	4.12	4.82	1.35	2.42	3.28	5.12	6.29	7.11	—		
32	.30	.55	.77	1.27	1.63	1.89	2.26	.77	1.39	1.91	3.03	3.77	4.29	4.98	1.44	2.57	3.47	5.36	6.55	7.36	—		
34	.32	.58	.81	1.33	1.70	1.96	2.33	.82	1.47	2.01	3.16	3.90	4.43	5.12	—	—	—	—	—	—	—		
35	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.59	2.81	3.77	5.74	6.95	7.76	—		
36	.34	.62	.86	1.40	1.78	2.05	2.42	.87	1.57	2.13	3.32	4.08	4.61	5.27	1.64	2.89	3.87	5.87	7.08	—	—		
38	.36	.66	.91	1.46	1.84	2.12	2.48	.92	1.65	2.23	3.44	4.20	4.74	—	1.74	3.05	4.06	6.10	7.33	—	—		
40	.38	.69	.96	1.53	1.92	2.20	2.57	.98	1.74	2.35	3.60	4.38	4.91	—	1.84	3.20	4.25	6.32	7.55	—	—		
42	—	—	—	—	—	—	—	1.04	1.83	2.46	3.74	4.52	5.06	—	1.93	3.35	4.43	6.54	7.77	—	—		
44	.42	.76	1.04	1.65	2.05	2.33	2.70	1.09	1.91	2.56	3.86	4.65	5.17	—	—	—	—	—	—	—	—		
45	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.08	3.57	4.70	6.85	8.09	—	—		
48	.46	.82	1.12	1.75	2.15	2.43	2.79	1.18	2.06	2.73	4.06	4.85	5.37	—	2.24	3.76	4.91	7.09	8.31	—	—		
50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.30	3.89	5.07	7.27	8.49	—	—		
52	.50	.88	1.19	1.84	2.24	2.52	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
54	.52	.92	1.24	1.89	2.30	2.57	—	1.32	2.27	2.99	4.36	5.15	—	—	2.46	4.13	5.33	7.54	—	—	—		
55	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.50	2.51	3.24	4.57	—	—	—		
56	.53	.94	1.27	1.93	2.33	2.61	—	1.37	2.34	3.07	4.45	5.23	—	—	—	—	—	—	—	—	—		
60	.57	1.00	1.34	2.01	2.42	2.69	—	1.46	2.47	3.21	4.60	5.38	—	—	1.62	2.68	3.43	4.77	—	—	—		
64	.61	1.06	1.41	2.09	2.50	2.77	—	.93	1.56	2.02	2.86	3.32	—	—	1.71	2.81	3.57	4.90					
65	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.73	2.84	3.61	4.95	—	—	—		
66	—	—	—	—	—	—	—	.96	1.60	2.07	2.92	3.38	—	—	—	—	—	—	—	—	—		
68	.64	1.12	1.48	2.17	2.58	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.85	3.00	3.78	5.12	—	—	—		
72	.68	1.16	1.53	2.23	2.63	—	—	1.03	1.71	2.18	3.03	3.48	—	—	1.90	3.06	3.85	5.19	—	—	—		
75	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.96	3.14	3.94	5.26	—	—	—		
78	—	—	—	—	—	—	—	1.10	1.81	2.30	3.15	—	—	—	—	—	—	—	—	—	—		
80	.74	1.26	1.64	2.35	2.75	—	—	—	—	—	—	—	—	—	2.06	3.27	4.07	5.39	—	—	—		
84	.77	1.30	1.69	2.40	2.80	—	—	1.17	1.89	2.39	3.23	—	—	—	2.14	3.38	4.19	5.49	—	—	—		
85	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.17	3.41	4.21	5.52	—	—	—		
88	.48	.81	1.05	1.48	1.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
90	—	—	—	—	—	—	—	1.24	1.98	2.49	3.32	—	—	—	2.27	3.54	4.35	5.65	—	—	—		
95	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.37	3.66	4.48	5.76	—	—	—		
96	.53	.87	1.12	1.55	1.78	—	—	1.31	2.08	2.58	3.41	—	—	—	2.38	3.68	4.50	5.77	—	—	—		
100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.46	3.78	4.59	5.85	—	—	—		
102	—	—	—	—	—	—	—	1.37	2.16	2.67	3.50	—	—	—	—	—	—	—	—	—	—		
104	.56	.92	1.17	1.60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
105	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.55	3.88	4.69	5.93	—	—	—		
108	—	—	—	—	—	—	—	1.43	2.23	2.75	3.56	—	—	—	—	—	—	—	—	—	—		
110	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.64	3.98	4.80	6.02	—	—	—		
112	.59	.96	1.21	1.64	—	—	—	1.47	2.28	2.79	3.60	—	—	—	2.67	4.02	4.83	—	—	—	—		
114	—	—	—	—	—	—	—	1.49	2.30	2.81	3.62	—	—	—	—	—	—	—	—	—	—		
120	.63	1.00	1.26	1.68	—	—	—	1.54	2.37	2.88	3.67	—	—	—	2.80	4.17	4.98	—	—	—	—		
126	—	—	—	—	—	—	—	1.61	2.44	2.96	3.74	—	—	—	—	—	—	—	—	—	—		
128	.66	1.05	1.31	1.74	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
130	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.96	4.35	5.15	—	—	—	—		
132	—	—	—	—	—	—	—	1.66	2.50	3.02	3.79	—	—	—	—	—	—	—	—	—	—		
136	.69	1.09	1.35	1.77	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
140	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.11	4.52	5.31	—	—	—	—		
144	.72	1.13	1.39	1.80	—	—	—	1.76	2.62	3.13	3.89	—	—	—	3.17	4.57	5.36	—	—	—	—		
150	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.26	4.67	5.45	—	—	—	—		
152	.75	1.16	1.42	1.83	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
156	—	—	—	—	—	—	—	1.87	2.74	3.25	—	—	—	—	—	—	—	—	—	—	—		
160	.78	1.20	1.45	1.86	—	—	—	—	—	—	—	—	—	—	3.41	4.80	—	—	—	—	—		
168	.81	1.23	1.48	1.88	—	—	—	1.96	2.84	3.33	—	—	—	—	—	—	—	—	—	—	—		
170	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.51	4.92	—	—	—	—	—		
176	.84	1.27	1.53	1.93	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
180	—	—	—	—	—	—	—	2.04	2.93	3.42	—	—	—	—	3.64	5.05	—	—	—	—	—		
192	.89	1.35	1.60	1.97	—	—	—	2.12	3.00	3.48	—	—	—	—	—	—	—	—	—	—	—		
198	—	—	—	—	—	—	—	2.17	3.06	3.54	—	—	—	—	—	—	—	—	—	—	—		
200	.92	1.36	1.61	—	—	—	—	—	—	—	—	—	—	—	3.87	5.27	—	—	—	—	—		

Ratings above Heavy Dash Line are for Steel Spur Gears and Change Gears. Ratings below this line are for Cast Iron Spur Gears. For Change Gears multiply ratings below this line by 1.66. Interpolate sizes and speeds.

Ratings below Heavy Solid Line are not recommended as Pitch Line Velocity exceeds 1000 feet per minute. they are published for interpolation purposes only.

⚠WARNING See Table No. 2, Page F-49 for Minimum Recommended Gear Sizes

Table No. 1 **Ratings for 14 1/2° Steel and Cast Iron Spur Gears and Steel Change Gears**

Number of Teeth	HORSEPOWER AT VARIOUS R.P.M.																						
	8 D.P.							6 D.P.							5 D.P.								
	100	200	300	600	900	1200	1800	100	200	300	600	900	1200	1800	100	200	300	600	900	1200	1800		
11	.73	1.38	1.95	3.35	4.40	5.23	6.43	1.53	2.83	3.96	6.55	8.39	9.75	11.65	2.53	4.63	6.39	10.31	12.97	14.88	17.46		
12	.73	1.38	1.95	3.35	4.40	5.23	6.43	1.53	2.83	3.96	6.55	8.39	9.75	11.65	2.53	4.63	6.39	10.31	12.97	14.88	17.46		
13	.82	1.54	2.19	3.71	4.85	5.73	6.98	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
14	.88	1.84	2.32	3.91	5.08	5.95	7.21	1.97	3.47	4.80	7.77	9.80	11.27	13.27	3.13	5.65	7.71	12.16	15.06	17.09	19.76		
15	1.07	1.91	2.75	4.67	5.89	6.88	8.34	2.20	4.04	5.35	8.82	11.02	12.74	14.69	3.60	6.51	8.74	13.72	16.80	19.03	21.94		
16	1.19	2.14	3.00	5.00	6.06	7.38	8.80	2.41	4.44	5.97	9.52	11.81	13.58	15.62	3.91	7.10	9.41	14.74	17.94	20.25	—		
17	1.26	2.32	3.23	5.32	6.77	7.83	9.30	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
18	1.43	2.53	3.54	5.73	7.17	8.35	9.78	2.83	5.13	6.88	10.80	13.39	14.98	17.27	4.54	8.31	11.31	16.82	20.22	22.48	—		
19	1.45	2.66	3.67	5.93	7.46	8.58	10.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
20	1.58	2.88	3.96	6.35	7.96	9.11	10.64	3.27	5.79	7.81	11.98	14.58	16.35	—	5.36	9.33	12.38	18.43	22.01	24.38	—		
21	1.68	3.05	4.19	6.67	8.32	9.48	11.03	3.48	6.14	8.25	12.55	15.19	16.97	—	—	—	—	—	—	—	—		
22	1.77	3.20	4.38	6.93	8.59	9.76	11.31	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
24	1.96	3.52	4.79	7.47	9.18	10.37	—	4.03	7.02	9.32	13.88	16.54	18.35	—	6.55	11.18	14.62	21.09	24.74	—	—		
25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.89	11.69	15.22	21.82	25.50	—	—		
26	2.16	3.85	5.19	8.01	9.76	10.97	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
27	—	—	—	—	—	—	—	4.65	7.98	10.49	15.31	18.07	—	—	—	—	—	—	—	—	—		
28	2.37	4.18	5.62	8.55	10.35	11.56	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
30	2.56	4.48	5.99	9.01	10.83	12.05	—	5.14	8.84	11.51	16.49	19.27	—	—	8.45	14.00	17.92	24.88	28.58	—	—		
32	2.73	4.76	6.32	9.41	11.24	12.45	—	5.57	9.37	12.13	17.19	19.97	—	—	—	—	—	—	—	—	—		
33	—	—	—	—	—	—	—	5.70	9.60	12.37	17.42	20.18	—	—	—	—	—	—	—	—	—		
35	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.82	15.92	20.07	27.14	—	—	—		
36	3.09	5.32	6.99	10.19	12.03	—	—	6.26	10.37	13.28	18.44	21.18	—	—	—	—	—	—	—	—	—		
40	3.46	5.86	7.64	10.94	12.79	—	—	6.97	11.37	14.41	19.66	—	—	—	6.72	10.68	13.29	17.58	—	—	—		
42	3.64	6.14	7.96	11.31	13.16	—	—	7.32	11.86	14.95	29.23	—	—	—	—	—	—	—	—	—	—		
44	3.81	6.39	8.24	11.62	13.47	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
45	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.49	11.69	14.37	18.65	—	—	—		
48	4.13	6.84	8.76	12.16	13.97	—	—	4.94	7.85	9.77	12.92	—	—	—	—	—	—	—	—	—	—		
50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.17	12.54	15.25	19.44	—	—	—		
52	4.42	7.23	9.19	12.60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
54	4.58	7.46	9.44	12.85	—	—	—	5.45	8.50	10.45	13.56	—	—	—	—	—	—	—	—	—	—		
55	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.80	13.28	16.00	20.11	—	—	—		
56	2.84	4.61	5.81	7.86	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
60	3.01	4.84	6.06	8.10	—	—	—	5.93	9.10	11.08	14.12	—	—	—	9.40	13.99	16.70	20.72	—	—	—		
64	3.17	5.04	6.27	8.29	—	—	—	6.22	9.44	11.29	14.44	—	—	—	—	—	—	—	—	—	—		
66	—	—	—	—	—	—	—	6.39	9.65	11.62	14.57	—	—	—	—	—	—	—	—	—	—		
68	3.35	5.26	6.51	8.53	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10.51	15.24	17.89	—	—	—	—		
72	3.49	5.45	6.70	8.69	—	—	—	6.82	10.15	12.12	15.03	—	—	—	—	—	—	—	—	—	—		
76	3.64	5.63	6.89	8.86	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
80	3.79	5.81	7.07	9.00	—	—	—	—	—	—	—	—	—	—	11.47	16.26	18.88	—	—	—	—		
84	3.93	5.98	7.23	9.16	—	—	—	7.58	11.00	12.93	—	—	—	—	—	—	—	—	—	—	—		
88	4.06	6.13	7.39	9.31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
90	—	—	—	—	—	—	—	—	—	—	—	—	—	—	12.36	17.17	19.72	—	—	—	—		
92	4.19	6.30	7.55	9.44	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
96	4.33	6.45	7.70	—	—	—	—	8.30	11.76	13.66	—	—	—	—	—	—	—	—	—	—	—		
100	4.45	6.59	7.84	—	—	—	—	—	—	—	—	—	—	—	13.21	18.01	—	—	—	—	—		
108	—	—	—	—	—	—	—	8.93	12.40	14.24	—	—	—	—	—	—	—	—	—	—	—		
110	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13.92	18.69	—	—	—	—	—		
112	4.82	6.99	8.22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
120	5.04	7.22	8.44	—	—	—	—	9.50	12.96	—	—	—	—	—	14.60	19.31	—	—	—	—	—		
128	5.25	7.44	8.64	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
132	—	—	—	—	—	—	—	10.02	13.51	—	—	—	—	—	—	—	—	—	—	—	—		
144	5.64	7.84	9.00	—	—	—	—	10.51	13.90	—	—	—	—	—	—	—	—	—	—	—	—		
160	6.00	8.18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
168	6.15	8.33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		

Ratings above Heavy Dash Line are for Steel Spur Gears and Change Gears (8 pitch). Ratings below this line are for Cast Iron Spur Gears. For 8 Pitch Change Gears multiply ratings below this line by 1.66. Interpolate for intermediate sizes and speeds. Ratings below Heavy Solid Line are not recommended as Pitch Line Velocity exceeds 1000 feet per minute.

⚠WARNING **See Table No. 2, Page F-49 for Minimum Recommended Gear Sizes**

Table No.1

Ratings for 14 1/2° Steel and Cast Iron Spur Gears

Number of teeth	HORSEPOWER AT VARIOUS R.P.M.													
	4 D.P.							3 D.P.						
	50	100	200	300	600	900	1200	25	50	100	200	300	600	900
11	2.35	4.42	7.92	10.77	16.80	20.65	23.33	3.19	6.13	11.35	19.75	26.25	39.04	46.52
12	2.35	4.42	7.92	10.77	16.80	20.65	23.33	3.19	6.13	11.35	19.75	26.25	39.04	46.52
14	2.91	5.44	9.48	12.89	19.62	23.75	26.54	3.97	7.60	13.92	23.81	31.21	45.26	50.25
15	3.60	6.37	11.27	14.69	22.04	26.45	29.63	4.90	8.82	16.16	26.94	34.10	51.11	58.78
16	3.81	6.86	11.93	15.83	23.61	28.18	31.23	5.08	10.31	17.33	28.95	39.24	53.83	62.46
18	4.32	8.10	13.76	18.08	26.45	31.31	—	5.94	11.34	20.51	34.01	43.18	59.92	69.09
20	5.07	9.23	15.65	20.38	29.20	34.12	—	6.96	13.03	23.13	37.75	47.83	65.22	—
21	—	—	—	—	—	—	—	7.46	13.93	24.61	39.86	50.27	67.99	—
22	5.68	10.26	17.20	22.20	31.28	36.24	—	—	—	—	—	—	—	—
24	6.28	11.25	18.64	23.86	33.14	38.17	—	5.22	9.71	16.86	28.02	33.48	44.38	—
28	7.57	13.37	21.66	27.31	36.94	—	—	—	—	—	—	—	—	—
30	4.91	8.61	13.81	17.30	23.13	—	—	6.87	12.51	21.22	32.53	39.58	50.50	—
32	5.26	9.15	14.53	18.08	23.92	—	—	—	—	—	—	—	—	—
36	5.95	10.22	15.94	19.59	25.42	—	—	8.39	15.04	24.90	37.06	44.27	—	—
40	6.65	11.27	17.29	21.03	—	—	—	—	—	—	—	—	—	—
42	7.00	11.80	17.95	21.73	—	—	—	9.95	17.57	28.48	41.28	48.56	—	—
44	7.33	12.28	18.55	22.34	—	—	—	—	—	—	—	—	—	—
48	7.87	12.81	19.29	23.38	—	—	—	11.32	19.77	31.59	44.65	51.81	—	—
54	8.79	14.32	20.89	24.67	—	—	—	12.68	21.79	33.97	47.20	—	—	—
56	9.09	14.73	21.36	25.13	—	—	—	—	—	—	—	—	—	—
60	9.63	15.46	22.15	25.88	—	—	—	14.00	23.73	36.41	49.68	—	—	—
64	10.14	16.10	22.82	26.50	—	—	—	—	—	—	—	—	—	—
72	11.19	17.45	24.23	27.83	—	—	—	16.46	27.26	40.58	53.62	—	—.	—
80	12.12	18.59	25.35	—	—	—	—	—	—	—	—	—	—	—
84	12.57	19.13	25.87	—	—	—	—	18.72	32.47	43.98	56.70	—	—	—
88	13.01	19.64	26.36	—	—	—	—	—	—	—	—	—	—	—
96	13.87	20.64	27.30	—	—	—	—	20.88	33.17	47.02	59.36	—	—	—
108	—	—	—	—	—	—	—	22.89	35.70	49.59	—	—	—	—
120	16.12	23.11	29.43	—	—	—	—	24.74	37.96	51.78	—	—	—	—
144	18.06	25.09	—	—	—	—	—	—	—	—	—	—	—	—

Ratings above Heavy Dash Line are for Steel Spur Gears; those below are for Cast Iron Spur Gears. Interpolate for intermediate sizes and speeds.
Ratings below Heavy Solid Line are not recommended as Pitch Line Velocity exceeds 1000 feet per minute; they are published for interpolation purposes only.

F

EXAMPLES

A drive is desired for 2 H.P., 300 R.P.M. drive shaft to 100 R.P.M. driven shaft to operate on approximately 4 inch centers, 11-16 hours per day, with light shock load and with drip lubrication. Driving shaft is 7/8" diameter with 3/16" x 3/32" keyseat. Driven shaft is 1 7/16" diameter with 3/8" x 3/16" keyseat.

EXAMPLE 1, using 14 1/2° P.A. Gears

A. Overload Service Factor, Tables 2 and 3 Page F-48.
11-1 6 hours operation—light shock = 1.3
Drip lubrication = .2
Service Factor = 1 .5

B. Required horsepower: 1 .5 x 2 = 3.0

C. Ratio is $\frac{300}{100} = 3.00$

D. Refer to Table No. 1, Page F-69 under 3.000 ratio and gear combination having suitable minimum number of teeth in pinion and giving 4.000" centers. This table indicates 8 pitch, 16 teeth or 10 pitch, 20 teeth to be within required limits.

E. Refer to Pitch Selection Chart, Table No. 1, Page F-50 for 3 H.P. at 300 R.P.M. This shows the 8 pitch, 16 tooth gear to be suitable.

F. Check H.P. capacity in Rating Table No. 1, Page F-53 which shows 3.00 H.P. for driver at 300 R.P.M., and 4.13 H.P. for driven at 100 R.P.M.

G. Select gears from Table No. 1 and Table No. 2 Page F-11 and Table No. 1,Page F-12.

EXAMPLE 2, using 20° P.A. Gears

A. Overload Service Factor, Tables 2 and 3 Page F-48.
11-1 6 hours operation—light shock = 1 .3
Drip lubrication = .2
Service Factor = 1.5

B. Required horsepower: 1 .5 x 2 = 3.0

C. Ratio is $\frac{300}{100} = 3.00$

D. Refer to Table No. 1, Page F-69 under 3.000 ratio and gear combination having suitable minimum number of teeth in pinion and giving 4.000" centers. This table indicates 8 pitch, 16 teeth or 10 pitch, 20 teeth to be within required limits.

E. Refer fo Pitch Selection Chart, Tables No. 1 and 2, Page F-55 for 3 H.P. at 300 R.P.M. These show the 10 pitch, 20 tooth gear to be desirable as the finer pitch.

F. Check H.P. capacity in Rating Table No. 2, Page F-56 which shows 3.02 H.P. for driver at 300 R.P.M., and 3.97 H.P. for driven at 100 R.P.M.

G. Select gears from Table No. 1, and Table No. 2, Page F-26.

20° SPUR GEAR
PITCH SELECTION CHARTS

Table No. 1

Design H.P.	14 Teeth R.P.M. Small Gear							16 Teeth R.P.M. Small Gear							18 Teeth R.P.M. Small Gear						
	50	100	300	600	900	1200	1800	50	100	300	600	900	1200	1800	50	100	300	600	900	1200	1800
.05	16	20	20	20	20	20	20	16	20	20	20	20	20	20	20	20	20	20	20	20	20
.10	12	16	20	20	20	20	20	12	16	20	20	20	20	20	16	20	20	20	20	20	20
1/4	10	12	16	20	20	20	20	10	12	20	20	20	20	20	12	16	20	20	20	20	20
1/3	10	12	16	20	20	20	20	10	12	16	20	20	20	20	10	12	16	20	20	20	20
1/2	8	10	12	16	20	20	20	8	10	16	16	20	20	20	10	12	16	20	20	20	20
3/4	6	8	12	16	16	16	20	8	10	12	16	16	20	20	8	10	12	16	16	20	20
1	6	8	12	12	16	16	16	6	8	12	16	16	16	20	6	10	12	16	16	16	20
1 1/2	6	6	10	12	12	12	16	6	8	10	12	12	16	16	6	8	12	12	16	16	16
2	5	6	8	10	12	12	12	5	6	10	12	12	12	16	6	6	10	12	12	12	16
3	4	6	8	10	10	12	12	5	6	8	10	12	12	12	5	6	8	10	12	12	12
5	4	5	6	8	8	10	10	4	5	6	8	10	10	10	4	5	6	8	10	10	12
7 1/2	—	4	6	6	8	8	8	4	4	6	6	8	8	10	4	5	6	8	8	8	10
10	—	4	5	6	6	6	8	—	4	5	6	6	8	8	—	4	6	6	6	8	8
15	—	—	4	5	6	6	6	—	—	5	5	6	6	—	—	4	5	6	6	6	—
20	—	—	4	5	5	5	6	—	—	4	5	5	6	—	—	—	4	5	6	6	—
25	—	—	4	4	5	5	—	—	—	4	4	5	5	—	—	—	4	5	5	5	—
30	—	—	—	4	4	4	—	—	—	4	4	4	5	—	—	—	4	4	5	5	—
40	—	—	—	4	4	4	—	—	—	—	4	4	—	—	—	—	—	4	4	—	—
50	—	—	—	—	4	4	—	—	—	—	—	4	—	—	—	—	—	4	4	—	—

Table No. 2

Design H.P.	20 Teeth R.P.M. Small Gear							22 Teeth R.P.M. Small Gear							24 Teeth R.P.M. Small Gear						
	50	100	300	600	900	1200	1800	50	100	300	600	900	1200	1800	50	100	300	600	900	1200	1800
.05	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
.10	16	20	20	20	20	20	20	16	20	20	20	20	20	20	16	20	20	20	20	20	20
1/4	12	16	20	20	20	20	20	12	16	20	20	20	20	20	12	16	20	20	20	20	20
1/3	12	12	20	20	20	20	20	12	12	20	20	20	20	20	12	16	20	20	20	20	20
1/2	10	12	16	20	20	20	20	10	12	16	20	20	20	20	10	12	16	20	20	20	20
3/4	8	10	16	16	20	20	20	8	10	16	16	20	20	20	8	12	16	16	20	20	20
1	8	10	12	16	16	20	20	8	10	12	16	16	20	20	8	10	12	16	16	20	20
1 1/2	6	8	12	12	16	16	16	6	8	12	16	16	16	16	6	8	12	16	16	16	16
2	6	8	10	12	12	16	16	6	8	10	12	16	16	16	6	8	12	12	16	16	16
3	5	6	10	10	12	12	12	5	6	10	12	12	12	16	6	6	10	12	12	12	16
5	4	5	8	10	10	10	12	4	6	8	10	10	10	12	5	6	8	10	10	12	12
7 1/2	4	5	6	8	8	8	10	4	5	6	8	8	10	10	4	5	6	8	8	10	10
10	4	4	6	6	8	8	8	4	4	6	6	8	8	—	4	5	6	8	8	8	—
15	—	4	5	6	6	6	—	—	4	5	6	6	6	—	—	4	5	6	6	6	—
20	—	—	5	5	6	6	—	—	4	5	5	6	6	—	—	4	5	6	6	—	—
25	—	—	4	5	5	6	—	—	—	4	5	5	6	—	—	—	4	5	6	—	—
30	—	—	4	4	5	—	—	—	—	4	5	5	—	—	—	—	4	5	5	—	—
40	—	—	4	4	4	—	—	—	—	4	4	—	—	—	—	—	4	4	5	—	—
50	—	—	—	4	—	—	—	—	—	—	4	—	—	—	—	—	—	4	—	—	—

Table No. 3

Design H.P.	26 Teeth R.P.M. Small Gear							28 Teeth R.P.M. Small Gear							30 Teeth R.P.M. Small Gear						
	50	100	300	600	900	1200	1800	50	100	300	600	900	1200	1800	50	100	300	600	900	1200	1800
.05	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
.10	16	20	20	20	20	20	20	16	20	20	20	20	20	20	16	20	20	20	20	20	20
1/4	12	16	20	20	20	20	20	12	16	20	20	20	20	20	12	16	20	20	20	20	20
1/3	12	16	20	20	20	20	20	12	16	20	20	20	20	20	12	16	20	20	20	20	20
1/2	10	12	20	20	20	20	20	12	12	16	20	20	20	20	12	12	20	20	20	20	20
3/4	10	12	16	20	20	20	20	10	12	16	20	20	20	20	10	12	16	20	20	20	20
1	8	10	16	16	20	20	20	8	12	16	16	20	20	20	8	12	16	16	20	20	20
1 1/2	6	10	12	16	16	16	20	8	10	12	16	16	16	20	8	10	12	16	16	16	20
2	6	8	12	12	16	16	16	6	8	12	12	16	16	16	6	8	12	16	16	16	16
3	6	6	10	12	12	12	16	6	8	10	12	12	12	16	6	8	10	12	12	16	16
5	5	6	8	10	10	12	12	5	6	8	10	12	12	12	5	6	8	10	12	12	12
7 1/2	4	5	6	8	10	10	10	4	5	8	8	10	10	—	4	6	8	8	10	10	—
10	4	5	6	8	8	8	10	4	5	6	8	8	8	—	4	5	6	8	8	10	—
15	—	4	5	6	6	6	—	—	4	6	6	6	8	—	—	4	6	6	6	8	—
20	—	4	5	6	6	6	—	—	4	5	6	6	—	—	—	4	5	6	6	—	—
25	—	—	5	5	6	—	—	—	4	5	5	6	—	—	—	4	5	5	6	—	—
30	—	—	4	5	5	—	—	—	—	4	5	—	—	—	—	—	4	5	—	—	—
40	—	—	4	4	5	—	—	—	—	4	4	—	—	—	—	—	4	4	—	—	—
50	—	—	—	4	—	—	—	—	—	4	4	—	—	—	—	—	4	4	—	—	—

F

Table No. 1

Ratings for 20º Steel and Cast Iron Spur Gears

Number of Teeth	HORSEPOWER AT VARIOUS R.P.M																						
	20 D.P.							16 D.P.							12 D.P.								
	100	200	300	600	900	1200	1800	100	200	300	600	900	1200	1800	100	200	300	600	900	1200	1800		
12	.06	.11	.16	.30	.43	.53	.71	.13	.26	.37	.69	.96	1.18	1.55	.31	.60	.86	1.54	2.09	2.55	3.27		
13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.36	.68	.98	1.75	2.36	2.86	3.64		
14	.07	.14	.21	.39	.54	.67	.89	.17	.32	.48	.87	1.19	1.46	1.83	.41	.77	1.11	1.96	2.63	3.17	4.00		
15	.09	.15	.23	.44	.60	.74	.97	.20	.37	.53	.98	1.33	1.61	2.08	.45	.86	1.23	2.16	2.88	3.46	4.34		
16	.09	.18	.25	.46	.64	.79	1.04	.21	.40	.58	1.04	1.42	1.73	2.21	.49	.93	1.33	2.31	3.07	3.68	4.57		
18	.11	.20	.30	.53	.73	.90	1.16	.25	.47	.67	1.19	1.61	1.95	2.46	.57	1.08	1.53	2.63	3.46	4.11	5.05		
20	.12	.23	.34	.60	.82	1.00	1.28	.28	.54	.77	1.34	1.80	2.16	2.70	.66	1.23	1.74	2.95	3.84	4.52	5.50		
21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.70	1.31	1.85	3.11	4.04	4.74	5.73		
24	.15	.29	.41	.73	.98	1.18	1.48	.35	.66	.94	1.61	2.12	2.52	3.10	.82	1.51	2.11	3.50	4.48	5.21	6.22		
25	.16	.31	.44	.77	1.02	1.23	1.54	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
28	—	—	—	—	—	—	—	.43	.80	1.12	1.89	2.44	2.87	3.47	.99	1.80	2.50	4.05	5.10	5.86	6.90		
30	.20	.38	.53	.92	1.21	1.43	1.76	.46	.86	1.20	2.01	2.59	3.02	3.63	1.07	1.94	2.67	4.29	5.37	6.15	7.18		
32	—	—	—	—	—	—	—	.50	.93	1.29	2.14	2.74	3.19	3.81	—	—	—	—	—	—	—		
35	.24	.45	.63	1.07	1.38	1.63	1.97	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
36	—	—	—	—	—	—	—	.58	1.06	1.46	2.38	3.01	3.47	4.10	1.32	2.37	3.22	5.03	6.18	6.98	8.02		
40	.28	.52	.73	1.21	1.55	1.80	2.16	.65	1.18	1.63	2.62	3.28	3.75	4.38	—	—	—	—	—	—	—		
42	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.58	2.79	3.74	5.69	6.89	7.70	8.73		
45	.33	.60	.83	1.35	1.71	1.97	2.32	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
48	—	—	—	—	—	—	—	.80	1.43	1.95	3.04	3.73	4.22	4.84	1.82	3.18	4.22	6.28	7.50	8.30	—		
50	.36	.66	.91	1.46	1.83	2.10	2.45	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
54	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.05	3.53	4.64	6.77	7.99	8.78	—		
56	—	—	—	—	—	—	—	.94	1.66	2.23	3.39	4.10	4.59	5.21	—	—	—	—	—	—	—		
60	.44	.79	1.08	1.68	2.07	2.34	2.69	1.01	1.77	2.36	3.55	4.27	4.75	—	2.28	3.88	5.05	7.23	8.45	—	—		
64	—	—	—	—	—	—	—	1.08	1.88	2.50	3.72	4.45	4.92	—	—	—	—	—	—	—	—		
66	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.51	2.53	3.27	4.60	5.33	—	—		
70	.52	.92	1.23	1.87	2.27	2.53	2.86	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
72	—	—	—	—	—	—	—	1.21	2.08	2.73	3.98	4.70	5.17	—	1.63	2.70	3.46	4.8	5.51	—	—		
80	.59	1.03	1.37	2.03	2.43	2.69	—	1.34	2.27	2.95	4.23	4.95	—	—	—	—	—	—	—	—	—		
84	.62	1.07	1.41	2.08	2.47	2.73	—	—	—	—	—	—	—	—	1.87	3.02	3.81	5.15	5.81	—	—		
90	.66	1.13	1.48	2.16	2.55	2.81	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
96	—	—	—	—	—	—	—	.94	1.56	1.99	2.77	3.18	—	—	2.08	3.31	4.12	5.45	—	—	—		
100	.73	1.23	1.60	2.30	2.68	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
108	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.30	3.59	4.41	5.72	—	—	—		
112	—	—	—	—	—	—	—	1.07	1.74	2.19	2.96	3.37	—	—	—	—	—	—	—	—	—		
120	.51	.85	1.09	1.50	1.73	—	—	—	—	—	—	—	—	—	2.50	3.83	4.66	5.97	—	—	—		
128	—	—	—	—	—	—	—	1.20	1.91	2.37	3.14	—	—	—	—	—	—	—	—	—	—		
132	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.68	4.05	4.88	6.12	—	—	—		
140	.58	.94	1.19	1.61	1.83	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
144	—	—	—	—	—	—	—	1.32	2.06	2.54	3.29	—	—	—	2.86	4.26	5.09	6.33	—	—	—		
160	.65	1.03	1.28	1.70	—	—	—	1.43	2.19	2.67	3.40	—	—	—	—	—	—	—	—	—	—		
168	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.18	4.61	5.42	6.57	—	—	—		
180	.71	1.11	1.37	1.77	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
192	—	—	—	—	—	—	—	1.64	2.44	2.92	3.58	—	—	—	3.49	4.95	5.75	—	—	—	—		
200	.78	1.19	1.45	1.85	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
216	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.76	5.22	5.99	—	—	—	—		
240	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.97	5.42	6.13	—	—	—	—		

Ratings above Heavy Dash Line are for Steel Spur Gears; those below are for Cast Iron Spur Gears.
Ratings below Heavy Solid Line are not recommended as Pitch Line Velocity exceeds 1200 feet per minute.

⚠WARNING **See Table No. 2, Page F-49 for Minimum Recommended Gear Sizes.**

Table No. 2

Ratings for 20º Steel Spur Gears

Number of Teeth	HORSEPOWER AT VARIOUS R.P.M																						
	10 D.P.							8 D.P.							6 D.P.								
	100	200	300	600	900	1200	1800	100	200	300	600	900	1200	1800	100	200	300	600	900	1200	1800		
12	.56	1.06	1.51	2.66	3.57	4.30	5.40	1.03	1.93	2.74	4.71	6.19	7.35	9.04	2.38	4.41	6.16	10.20	13.06	15.19	18.14		
14	.72	1.37	1.94	3.37	4.45	5.31	6.57	1.34	2.49	3.51	5.91	7.66	9.00	10.89	3.09	5.65	7.82	12.68	15.98	18.38	21.63		
15	.81	1.52	2.16	3.70	4.87	5.78	7.10	1.49	2.77	3.88	6.49	8.36	9.76	11.73	3.45	6.29	8.64	13.86	17.35	19.86	23.20		
16	.88	1.64	2.32	3.96	5.17	6.11	7.47	1.61	2.99	4.17	6.91	8.85	10.29	12.29	3.73	6.77	9.26	14.71	18.30	20.84	24.20		
18	1.02	1.90	2.67	4.49	5.80	6.79	8.20	1.88	3.45	4.78	7.78	9.85	11.36	13.41	4.32	7.75	10.53	16.42	20.19	22.81	26.20		
20	1.17	2.16	3.02	5.00	6.40	7.44	8.89	2.15	3.91	5.38	8.63	10.81	12.37	14.45	—	—	—	—	—	—	—		
21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.25	9.27	12.45	18.95	22.94	25.63	29.06		
22	—	—	—	—	—	—	—	2.41	4.36	5.96	9.42	11.68	13.27	15.38	—	—	—	—	—	—	—		
24	1.45	2.65	3.65	5.89	7.41	8.50	9.97	2.65	4.75	6.46	10.08	12.39	13.99	16.07	6.05	10.54	13.99	20.83	24.88	27.55	—		
25	1.53	2.78	3.83	6.15	7.70	8.81	10.30	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.94	11.93	15.68	22.88	27.01	29.69	—		
28	1.74	3.14	4.29	6.77	8.38	9.51	11.00	3.18	5.61	7.54	11.47	13.89	15.52	17.60	—	—	—	—	—	—	—		
30	1.88	3.38	4.59	7.16	8.80	9.94	11.42	—	—	—	—	—	—	—	7.77	13.18	17.17	24.60	28.74	—	—		
32	—	—	—	—	—	—	—	3.71	6.46	8.58	12.76	15.24	16.88	—	—	—	—	—	—	—	—		
33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.62	14.45	18.64	26.28	30.44	—	—		

Ratings below Heavy Solid Line are not recommended as Pitch Line Velocity exceeds 1200 feet per minute.

⚠WARNING **See Table No. 2, Page F-49 for Minimum Recommended Gear Sizes.**

Table No. 1

Ratings for 20° Steel and Cast Iron Spur Gears

Number of Teeth	HORSE POWER AT VARIOUS R.P.M																						
	10 D.P.							8 D.P.							6 D.P.								
	100	200	300	600	900	1200	1800	100	200	300	600	900	1200	1800	100	200	300	600	900	1200	1800		
35	2.25	3.98	5.34	8.13	9.84	10.99	12.46	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
36	—	—	—	—	—	—	—	4.22	7.25	9.53	13.89	15.41	18.03	—	9.48	15.70	20.10	27.92	32.06	—	—		
40	2.62	4.56	6.06	9.02	10.77	11.93	—	4.74	8.04	10.46	15.00	17.52	—	—	—	—	—	—	—	—	—		
42	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.15	18.06	22.77	30.81	34.40	—	—		
44	—	—	—	—	—	—	—	5.25	8.80	11.35	16.00	18.53	—	—	—	—	—	—	—	—	—		
45	2.98	5.12	6.73	9.82	11.59	12.74	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
48	3.19	5.43	7.10	10.25	12.02	—	—	5.73	9.49	12.15	16.87	19.33	—	—	7.63	12.11	15.07	19.93	—	—	—		
50	3.32	5.63	7.34	10.51	12.28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
54	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.48	13.23	16.26	21.10	—	—	—		
55	3.65	6.11	7.89	11.12	12.88	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
56	—	—	—	—	—	—	—	6.64	10.76	13.56	18.34	20.74	—	—	—	—	—	—	—	—	—		
60	3.97	6.58	8.42	11.69	13.43	—	—	7.08	11.36	14.22	19.01	—	—	—	9.31	14.27	17.36	22.14	—	—	—		
64	—	—	—	—	—	—	—	4.48	7.16	8.87	11.74	—	—	—	—	—	—	—	—	—	—		
66	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10.12	15.28	18.41	23.09	—	—	—		
70	2.75	4.46	5.62	7.61	8.60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
72	—	—	—	—	—	—	—	4.95	7.76	9.50	12.41	—	—	—	10.78	16.05	19.17	23.77	—	—	—		
80	3.09	4.91	6.11	8.08	—	—	—	5.45	8.35	10.16	12.90	—	—	—	—	—	—	—	—	—	—		
84	—	—	—	—	—	—	—	—	—	—	—	—	—	—	12.10	17.53	20.78	24.96	—	—	—		
88	—	—	—	—	—	—	—	5.84	8.82	10.62	13.36	—	—	—	—	—	—	—	—	—	—		
90	3.39	5.29	6.51	8.44	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
96	—	—	—	—	—	—	—	6.23	9.27	11.08	13.77	—	—	—	13.24	18.77	21.80	—	—	—	—		
100	3.70	5.67	6.90	8.80	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
108	—	—	—	—	—	—	—	—	—	—	—	—	—	—	14.33	19.90	22.86	—	—	—	—		
110	3.97	6.00	7.23	9.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
112	—	—	—	—	—	—	—	6.97	10.11	11.89	—	—	—	—	—	—	—	—	—	—	—		
120	4.24	6.31	7.53	9.37	—	—	—	7.32	10.49	12.25	—	—	—	—	15.32	20.89	23.72	—	—	—	—		
128	—	—	—	—	—	—	—	7.63	10.81	12.55	—	—	—	—	—	—	—	—	—	—	—		
132	—	—	—	—	—	—	—	—	—	—	—	—	—	—	16.19	21.74	—	—	—	—	—		
140	4.72	6.84	8.05	9.75	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
144	—	—	—	—	—	—	—	8.24	11.45	13.15	—	—	—	—	17.04	22.54	—	—	—	—	—		
160	5.16	7.31	8.49	—	—	—	—	8.77	11.96	13.61	—	—	—	—	—	—	—	—	—	—	—		
176	—	—	—	—	—	—	—	9.29	12.47	—	—	—	—	—	—	—	—	—	—	—	—		
180	5.57	7.73	8.88	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
192	—	—	—	—	—	—	—	9.77	12.93	—	—	—	—	—	—	—	—	—	—	—	—		
200	5.95	8.11	9.14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		

Table No. 2

Ratings for 20° Steel and Cast Iron Spur Gears

Number of Teeth	HORSE POWER AT VARIOUS R.P.M													
	5 D.P.							4 D.P.						
	100	200	300	600	900	1200	1800	50	100	200	300	600	900	1200
12	4.22	7.72	10.65	17.19	21.61	24.80	29.09	4.79	9.03	16.17	21.98	34.29	42.16	47.62
14	5.46	9.85	13.46	21.22	26.27	29.83	34.49	6.23	11.64	20.55	27.59	41.98	50.82	56.79
15	6.08	10.90	14.82	23.11	28.42	32.10	36.87	6.96	12.93	22.67	30.27	45.55	54.75	60.90
16	6.57	11.71	15.84	24.45	29.86	33.37	38.35	7.54	13.95	24.29	32.25	48.00	57.34	63.50
18	7.60	13.39	17.94	27.17	32.79	36.58	—	8.76	16.09	27.63	36.33	53.00	62.57	68.76
20	8.65	15.06	19.99	29.75	35.54	39.36	—	10.02	18.24	30.93	40.27	57.71	67.43	—
24	10.58	18.04	23.57	34.01	39.90	43.68	—	12.38	22.18	36.74	47.03	65.31	75.01	—
25	11.14	18.89	24.60	35.25	41.18	—	—	—	—	—	—	—	—	—
28	12.57	21.01	27.07	38.04	43.98	—	—	14.84	26.21	42.47	53.54	72.43	82.11	—
30	13.51	22.37	28.63	39.76	45.67	—	—	—	—	—	—	—	—	—
32	—	—	—	—	—	—	—	17.23	30.01	47.68	59.32	78.50	—	—
35	15.91	25.79	32.51	43.98	49.98	—	—	—	—	—	—	—	—	—
36	—	—	—	—	—	—	—	11.82	20.30	31.67	38.94	50.52	—	—
40	10.96	17.41	21.65	28.64	—	—	—	13.27	22.51	34.53	42.00	53.57	—	—
44	—	—	—	—	—	—	—	14.70	24.63	37.20	44.81	56.37	—	—
45	12.29	19.18	23.58	30.59	—	—	—	—	—	—	—	—	—	—
48	—	—	—	—	—	—	—	16.05	26.58	39.55	47.25	58.50	—	—
50	13.53	20.75	25.24	32.19	—	—	—	—	—	—	—	—	—	—
56	—	—	—	—	—	—	—	18.51	30.12	43.67	51.36	62.24	—	—
60	15.79	23.50	28.07	34.83	—	—	—	19.46	31.81	45.57	53.25	—	—	—
64	—	—	—	—	—	—	—	21.10	33.52	47.51	55.10	—	—	—
70	17.84	25.86	30.42	36.76	—	—	—	—	—	—	—	—	—	—
72	—	—	—	—	—	—	—	23.23	36.23	50.32	57.79	—	—	—
80	19.65	27.85	32.34	—	—	—	—	25.41	38.98	53.16	60.20	—	—	—
90	21.18	29.42	33.79	—	—	—	—	—	—	—	—	—	—	—
96	—	—	—	—	—	—	—	29.07	43.27	57.23	—	—	—	—
100	22.68	30.93	35.19	—	—	—	—	—	—	—	—	—	—	—
110	23.97	32.17	—	—	—	—	—	—	—	—	—	—	—	—
112	—	—	—	—	—	—	—	32.53	47.16	60.84	—	—	—	—
120	25.23	33.37	—	—	—	—	—	—	—	—	—	—	—	—
128	—	—	—	—	—	—	—	35.58	50.43	63.68	—	—	—	—
140	27.39	35.34	—	—	—	—	—	—	—	—	—	—	—	—
160	29.24	36.96	—	—	—	—	—	40.93	55.83	68.25	—	—	—	—
180	30.94	38.14	—	—	—	—	—	—	—	—	—	—	—	—

Ratings above Heavy Dash Line are for Steel Spur Gears; those below are for Cast Iron Spur Gears.
Ratings below Heavy Solid Line are not recommended as Pitch Line Velocity exceeds 1200 feet per minute.

⚠WARNING See Table No. 2, Page F-49 for Minimum Recommended Gear Sizes.

Table No. 1

Ratings for 14 1/2° Non-Metallic Spur Gears

Number of Teeth	HORSE POWER AT VARIOUS R.P.M.																				
	16 D.P.							12 D.P.							10 D.P.						
	200	300	600	900	1200	1800	3600	200	300	600	900	1200	1800	3600	200	300	600	900	1200	1800	3600
15	—	—	—	—	—	—	—	.13	.20	.34	.45	.56	.72	1.15	.27	.38	.63	.83	1.00	1.31	2.08
16	.06	.09	.15	.20	.25	.32	.52	.16	.22	.37	.49	.60	.78	1.28	.30	.41	.68	.89	1.08	1.42	2.35
18	.07	.10	.17	.23	.28	.37	.59	.19	.26	.43	.56	.68	.90	1.44	.33	.47	.78	1.02	1.24	1.63	2.60
20	.09	.12	.20	.26	.32	.42	.69	.22	.30	.48	.63	.77	1.01	1.69	.40	.54	.88	1.15	1.39	1.85	3.12
21	—	—	—	—	—	—	—	.23	.31	.50	.66	.81	1.06	1.80	—	—	—	—	—	—	—
22	.10	.13	.22	.28	.35	.46	.76	.24	.33	.53	.70	.89	1.12	1.90	—	—	—	—	—	—	—
24	.11	.15	.24	.31	.38	.50	.82	.27	.36	.58	.76	.92	1.22	2.07	—	—	—	—	—	—	—
25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.51	.67	1.09	1.42	1.73	2.32	4.00
30	—	—	—	—	—	—	—	.34	.44	.73	.95	1.14	1.56	2.64	.62	.81	1.29	1.69	2.07	2.80	4.89
32	.14	.19	.31	.40	.49	.65	1.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—
35	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.71	.95	1.49	1.98	2.42	3.30	—
36	—	—	—	—	—	—	—	.40	.52	.82	1.13	1.36	1.83	3.18	—	—	—	—	—	—	—
40	.18	.24	.38	.49	.62	.82	1.41	—	—	—	—	—	—	—	.80	1.02	1.63	2.16	2.65	3.65	—
42	—	—	—	—	—	—	—	.47	.62	.97	1.29	1.57	2.16	—	—	—	—	—	—	—	—
44	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
45	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.88	1.19	1.90	2.46	3.07	4.14	—
48	.21	.28	.44	.60	.72	.96	1.65	.51	.66	1.05	1.39	1.7	2.33	—	—	—	—	—	—	—	—
50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.95	1.27	2.03	2.70	3.36	4.65	—
54	—	—	—	—	—	—	—	.56	.76	1.21	1.57	1.95	2.65	—	—	—	—	—	—	—	—
56	.24	.32	.50	.67	.81	1.11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
60	—	—	—	—	—	—	—	.60	.80	1.29	1.72	2.13	2.95	—	1.11	1.44	2.34	3.15	3.94	5.47	—
64	.26	.34	.54	.72	.88	1.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
72	.29	.39	.62	.80	1.00	1.37	—	.71	.92	1.49	2.00	2.51	3.48	—	—	—	—	—	—	—	—
80	.31	.41	.66	.88	1.09	1.51	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
96	.36	.47	.76	1.03	1.28	1.77	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

⚠WARNING **See Table No. 2, Page F-49 for Minimum Recommended Gear Sizes.**

Table No. 2

Ratings for 14 1/2° Non-Metallic Spur Gears

Number of Teeth	HORSE POWER AT VARIOUS R.P.M.																				
	8 D.P.							6 D.P.							5 D.P.						
	200	300	600	900	1200	1800	3600	200	300	600	900	1200	1800	3600	200	300	600	900	1200	1800	3600
12	—	—	—	—	—	—	—	.84	1.17	1.91	2.43	3.12	4.00	6.75	1.46	1.91	3.12	4.09	5.05	6.62	11.43
13	—	—	—	—	—	—	—	.94	1.31	2.00	2.61	3.38	4.37	7.30	1.56	2.00	3.21	4.27	5.20	6.85	12.25
14	—	—	—	—	—	—	—	1.02	1.41	2.27	2.88	3.68	4.86	7.75	1.65	2.14	3.45	4.65	5.63	7.34	12.58
15	—	—	—	—	—	—	—	1.20	1.59	2.57	3.30	4.12	5.49	9.43	1.88	2.47	3.88	5.35	6.41	8.54	14.70
16	.56	.76	1.23	1.61	1.96	2.60	4.39	1.29	1.69	2.67	3.65	4.50	5.87	10.10	2.07	2.68	4.26	5.78	6.87	9.44	—
17	—	—	—	—	—	—	—	1.41	1.84	2.94	4.00	4.82	6.34	10.90	2.22	2.98	4.52	6.20	7.46	10.45	—
18	.61	.88	1.41	1.84	2.25	3.00	4.71	1.51	1.98	3.12	4.30	5.15	6.95	11.80	2.40	3.11	4.93	6.55	8.04	10.92	—
19	—	—	—	—	—	—	—	1.61	2.16	3.34	4.52	5.48	7.23	—	2.48	3.23	5.20	6.86	8.35	11.32	—
20	.74	.99	1.59	2.08	2.54	3.40	5.84	1.84	2.42	3.80	5.07	6.24	8.52	—	2.65	3.40	5.43	7.20	8.80	12.12	—
21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.76	3.66	5.88	7.74	9.55	12.80	—
24	.90	1.19	1.90	2.50	3.06	4.13	7.22	2.03	2.61	4.17	5.53	6.76	9.26	—	—	—	—	—	—	—	—
25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.27	4.35	6.96	9.28	11.55	16.00	—
28	1.06	1.38	2.20	2.91	3.57	4.86	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	2.52	3.36	5.37	7.17	8.90	12.40	—	—	—	—	—	—	—	—
32	1.18	1.52	2.43	3.22	3.94	5.40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
36	1.30	1.77	2.83	3.66	4.56	6.00	—	3.02	3.84	6.34	8.52	10.68	14.60	—	—	—	—	—	—	—	—
40	1.43	1.91	3.06	4.07	5.06	7.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
48	1.71	2.17	3.58	4.83	6.04	8.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

⚠WARNING **See Table No. 2, Page F-49 for Minimum Recommended Gear Sizes.**

Table No. 3

Ratings for 20° Non-Metallic Spur Gears

Number of Teeth	HORSE POWER AT VARIOUS R.P.M.													
	16 D.P.							12 D.P.						
	200	300	600	900	1200	1800	3600	200	300	600	900	1200	1800	3600
15	**.10**	**.15**	**.24**	**.33**	**.40**	**.51**	**.83**	**.22**	**.32**	**.55**	**.72**	**.87**	**1.11**	**1.88**
16	**.11**	**.16**	**.27**	**.36**	**.43**	**.55**	**.91**	**.25**	**.35**	**.61**	**.78**	**.93**	**1.24**	**2.05**
18	**.12**	**.18**	**.30**	**.40**	**.48**	**.62**	**1.04**	**.29**	**.40**	**.66**	**.86**	**1.02**	**1.40**	**2.26**
20	**.14**	**.20**	**.34**	**.45**	**.54**	**.69**	**1.17**	**.32**	**.45**	**.74**	**.94**	**1.15**	**1.52**	**2.51**
24	**.18**	**.25**	**.41**	**.53**	**.62**	**.86**	**1.39**	**.39**	**.54**	**.87**	**1.11**	**1.43**	**1.83**	**3.09**

Table No. 4

Ratings for 20° Non-Metallic Spur Gears

Number of Teeth	HORSE POWER AT VARIOUS R.P.M.													
	10 D.P.							8 D.P.						
	200	300	600	900	1200	1800	3600	200	300	600	900	1200	1800	3600
15	**.41**	**.56**	**.93**	**1.22**	**1.43**	**1.97**	**3.19**	**.72**	**1.01**	**1.63**	**2.11**	**2.70**	**3.48**	**5.85**
16	**.44**	**.60**	**1.04**	**1.29**	**1.57**	**2.08**	**3.41**	**.76**	**1.06**	**1.73**	**2.19**	**2.82**	**3.62**	**6.11**
18	**.51**	**.69**	**1.13**	**1.48**	**1.85**	**2.40**	**4.00**	**.87**	**1.21**	**1.94**	**2.42**	**3.15**	**4.09**	**6.69**
20	**.55**	**.77**	**1.23**	**1.58**	**2.04**	**2.62**	**4.42**	**1.01**	**1.33**	**2.16**	**2.77**	**3.46**	**4.61**	**7.92**
24	**.68**	**.91**	**1.49**	**1.89**	**2.39**	**3.05**	**5.42**	**1.21**	**1.59**	**2.50**	**3.44**	**4.12**	**5.56**	**9.45**

Table No. 1

RATIO AND CENTER DISTANCE — SPUR GEARS

1.000-1.063 RATIO

GEAR COMBINATIONS No. Teeth		RATIO	CENTER DISTANCE Diametral Pitch											
Driver	Driven		48	32	24	20	16	12	10	8	6	5	4	3
11	11	1.000	.229†	.344†	.458†	.600†	.750†	1.000†	1.200†	1.500†	2.000†	2.400†	3.000†	4.000†
12	12	1.000	.250†	.375†	.500†	.600	.750	1.000	1.200	1.500	2.000	2.400	3.000	4.000†
13	13	1.000	—	.406†	.542†	.650†	.813†	1.083	1.300†	1.625†	—	—	—	—
14	14	1.000	.292†	.438†	.583†	.700	.875	1.167	1.400	1.750	2.333	2.800	3.500	4.667†
15	15	1.000	.313†	.469†	.625†	.750	.938	1.250	1.500	1.875	2.500	3.000	3.750	5.000†
16	16	1.000	.333†	.500†	.667†	.800	1.000	1.333	1.600	2.000	2.667	3.200	4.000	5.333†
17	17	1.000	—	—	.708†	.850†	1.063†	1.417†	1.700†	2.125†	—	—	—	—
18	18	1.000	.375†	.563†	.750†	.900	1.125	1.500	1.800	2.250	3.000	3.600	4.500	6.000†
19	19	1.000	—	—	.792†	.950†	1.188†	1.583†	1.900†	2.375†	—	—	—	—
20	20	1.000	.417†	.625†	.833†	1.000	1.250	1.667	2.000	2.500	3.333†	4.000	5.000	6.667†
21	21	1.000	—	—	.875†	1.050†	1.313†	1.750	2.100†	2.625†	3.500	—	—	7.000†
22	22	1.000	.458†	.688†	.917†	1.100†	1.375†	1.833†	2.200†	2.750	—	—	5.500†	—
23	23	1.000	—	—	.958†	1.150†	1.438†	1.917†	—	—	—	—	—	—
24	24	1.000	.500†	.750†	1.000†	1.200	1.500	2.000	2.400	3.000	4.000	4.800	6.000	8.000†
25	25	1.000	—	.781†	1.042†	1.250	—	2.083†	2.500	—	—	5.000	—	—
26	26	1.000	.542†	.813†	1.083†	—	1.625†	2.167†	2.600†	3.250†	—	—	—	—
27	27	1.000	—	—	1.125†	—	—	—	—	—	4.500	—	—	—
28	28	1.000	.583†	.875†	1.167†	1.400†	1.750	2.333	2.800	3.500	—	5.600*	7.000	—
30	30	1.000	—	.938†	1.250†	1.500	1.875	2.500	3.000	3.750†	5.000	6.000	7.500†	10.000†
32	32	1.000	.667†	1.000†	1.333†	1.600†	2.000	2.667†	3.200†	4.000	5.333†	—	8.000	—
33	33	1.000	—	—	1.375†	—	—	—	—	—	5.500	—	—	—
34	34	1.000	—	—	—	—	2.125†	2.833†	—	—	—	—	—	—
35	35	1.000	—	—	—	1.750	—	—	3.500	—	—	7.000	—	—
36	36	1.000	.750†	1.125†	1.500†	1.800†	2.250	3.000	3.600†	4.500	6.000	—	9.000	12.000†
38	38	1.000	—	—	—	—	2.375†	3.167†	3.800†	—	—	—	—	—
39	39	1.000	—	—	1.625†	—	—	—	—	—	—	—	—	—
40	40	1.000	.833†	1.250†	1.667†	2.000	2.500	3.333†	4.000	5.000	6.667†	8.000	10.000	—
42	42	1.000	—	—	1.750†	—	—	3.500	4.200†	5.250†	7.000	—	10.500†	14.000†
44	44	1.000	.917†	1.375†	1.833†	—	2.750†	3.667†	—	5.500	—	—	11.000	—
45	45	1.000	—	—	1.875†	2.250	—	—	4.500	—	—	9.000	—	—
48	48	1.000	1.000†	1.500†	2.000†	2.400†	3.000	4.000	4.800	6.000	8.000	—	12.000	16.000†
50	50	1.000	—	1.563†	—	2.500	—	—	5.000	—	—	10.000	—	—
52	52	1.000	1.083†	1.625†	—	—	3.250†	—	—	6.500†	—	—	—	—
54	54	1.000	1.125†	—	2.250†	—	3.375†	4.500	5.400†	6.750†	9.000	—	13.500†	18.000†
55	55	1.000	—	—	—	2.750†	—	—	5.500	—	—	11.000†	—	—
56	56	1.000	1.167†	1.750†	2.333†	—	3.500	4.667†	—	7.000	—	—	14.000	—
60	60	1.000	1.250†	1.875†	2.500†	3.000	3.750	5.000	6.000	7.500	10.000	12.000	15.000	20.000†
64	64	1.000	—	2.000†	2.667†	3.200†	4.000	5.333†	6.400†	8.000	10.667†	—	16.000	—
65	65	1.000	—	—	—	—	—	—	6.500†	—	—	—	—	—
66	66	1.000	1.375†	—	2.750†	—	—	5.500	—	—	11.000	—	—	—
68	68	1.000	—	—	—	—	4.250†	—	—	8.500†	—	—	—	—
70	70	1.000	—	2.188†	2.917†	3.500	—	—	7.000	—	—	14.000	—	—
72	72	1.000	1.500†	2.250†	3.000†	3.600†	4.500	6.000	7.200†	9.000	12.000	—	18.000	24.000†
75	75	1.000	—	2.344†	—	3.750†	—	—	7.500†	—	—	—	—	—
76	76	1.000	—	—	—	—	—	—	—	9.500†	—	—	—	—
78	78	1.000	—	—	—	—	—	6.500†	—	—	—	—	—	—
80	80	1.000	1.667†	2.500†	—	4.000	5.000	—	8.000	10.000	—	16.000	20.000	—
84	84	1.000	1.750†	—	3.500†	4.200	5.250†	7.000	8.400†	10.500†	14.000	—	21.000†	28.000†
64	65	1.016	—	—	—	—	—	—	6.450†	—	—	—	—	—
54	55	1.019	—	—	—	—	—	—	5.450†	—	—	—	—	—
44	45	1.023	—	—	1.854†	—	—	—	—	—	—	—	—	—
39	40	1.026	—	—	1.646†	—	—	—	—	—	—	—	—	—
35	36	1.029	—	—	—	1.775†	—	—	3.550†	—	—	—	—	—
70	72	1.029	—	2.219†	2.958†	3.550†	—	—	7.100†	—	—	—	—	—
32	33	1.031	—	—	1.354†	—	—	—	—	—	5.417†	—	—	—
64	66	1.031	—	—	2.708†	—	—	5.417†	—	—	10.833†	—	—	—
27	28	1.037	—	—	1.146†	—	—	—	—	—	—	—	—	—
54	56	1.037	1.146†	—	2.292†	—	3.438†	4.583†	—	6.875†	—	—	13.750†	—
26	27	1.038	—	—	1.104†	—	—	—	—	—	—	—	—	—
52	54	1.038	1.104†	—	—	—	3.313†	—	—	6.625†	—	—	—	—
25	26	1.040	—	.797†	1.063†	—	—	2.125†	2.550†	—	—	—	—	—
50	52	1.040	—	1.594†	—	—	—	—	—	—	—	—	—	—
24	25	1.042	—	.766†	1.021†	1.225	—	2.042†	2.450	—	—	4.900	—	—
48	50	1.042	—	1.531†	—	2.450†	—	—	4.900	—	—	—	—	—
72	75	1.042	—	2.297†	—	3.675†	—	—	7.350†	—	—	—	—	—
23	24	1.043	—	—	.979†	1.175†	1.469†	1.958†	—	—	—	—	—	—
22	23	1.045	—	—	.938†	1.125†	1.406†	1.875†	—	—	—	—	—	—
21	22	1.048	—	—	.896†	1.075†	1.344†	1.792†	2.150†	2.688†	—	—	—	—
42	44	1.048	—	—	1.792†	—	—	3.583†	—	5.375†	—	—	10.750†	—
20	21	1.050	—	—	.854†	1.025†	1.281†	1.708	2.050†	2.563†	3.417†	—	—	6.833†
40	42	1.050	—	—	1.708†	—	—	3.417†	4.100†	5.125†	6.833†	—	10.250†	—
80	84	1.050	1.708†	—	—	4.100	5.125†	—	8.200†	10.250†	—	—	20.500†	—
19	20	1.053	—	—	.813†	.975†	1.219†	1.625†	1.950†	2.438†	—	—	—	—
38	40	1.053	—	—	—	—	2.438†	3.250†	3.900†	—	—	—	—	—
76	80	1.053	—	—	—	—	—	—	—	9.750†	—	—	—	—
18	19	1.056	—	—	.771†	.925†	1.156†	1.542†	1.850†	2.313†	—	—	—	—
36	38	1.056	—	—	—	—	2.313†	3.083†	3.700†	—	—	—	—	—
72	76	1.056	—	—	—	—	—	—	—	9.250†	—	—	—	—
17	18	1.059	—	—	.729†	.875†	1.094†	1.458†	1.750†	2.188†	—	—	—	—
34	36	1.059	—	—	—	—	2.188†	2.917†	—	—	—	—	—	—
68	72	1.059	—	—	—	—	4.375†	—	—	8.750†	—	—	—	—
66	70	1.061	—	—	2.833†	—	—	—	—	—	—	—	—	—
16	17	1.063	—	—	.688†	.825†	1.031†	1.375†	1.650†	2.063†	—	—	—	—
32	34	1.063	—	—	—	—	2.063†	2.750†	—	—	—	—	—	—
64	68	1.063	—	—	—	—	4.125†	—	—	8.250†	—	—	—	—

† = 14 1/2° * = 20° only.

WARNING See Table No. 2, Page F-49 for Minimum Recommended Gear Sizes.

Table No. 1

RATIO AND CENTER DISTANCE — SPUR GEARS

1.067-1.158 RATIO

GEAR COMBINATIONS No. Teeth		RATIO	CENTER DISTANCE Diametral Pitch											
Driver	Driven		48	32	24	20	16	12	10	8	6	5	4	3
15	16	1.067	.323†	.484†	.646†	.775	.969	1.292	1.550	1.938	2.583	3.100	3.875	5.167†
30	32	1.067	—	.969†	1.292†	1.550†	1.938	2.583†	3.100†	3.875†	5.167†	—	7.750†	—
45	48	1.067	—	—	1.938†	2.325†	—	—	4.650	—	—	—	—	—
60	64	1.067	—	1.938†	2.583†	3.100†	3.875	5.167†	6·200†	7.750	10.333†	—	15.500	—
75	80	1.067	—	2.422†	—	3.875†	—	—	7.750†	—	—	—	—	—
14	15	1.071	.302†	.453†	.604†	.725	.906	1.208	1.450	1.813	2.417	2.900	3.625	4.833†
28	30	1.071	—	.906†	1.208†	1.450†	1.813	2.417	2.900	3.625†	—	5.800*	7.250†	—
42	45	1.071	—	—	1.813†	—	—	—	4.350†	—	—	—	—	—
56	60	1.071	1.208†	1.813†	2.417†	—	3.625	4.833†	—	7.250	—	—	14.500	—
70	75	1.071	—	2.266†	—	3.625†	—	—	7.250†	—	—	—	—	—
13	14	1.077	—	.422†	.563†	.675†	.844†	1.125	1.350†	1.688†	—	—	—	—
26	28	1.077	.563†	.844†	1.125†	—	1.688†	2.250†	2.700†	3.375†	—	—	—	—
39	42	1.077	—	—	1.688†	—	—	—	—	—	—	—	—	—
52	56	1.077	1.125†	1.688†	—	—	3.375†	—	—	6.750†	—	—	—	—
65	70	1.077	—	—	—	—	—	—	6.750†	—	—	—	—	—
78	84	1.077	—	—	—	—	—	6.750†	—	—	—	—	—	—
25	27	1.080	—	—	1.083†	—	—	—	—	—	—	—	—	—
50	54	1.080	—	—	—	—	—	—	5.200†	—	—	—	—	—
12	13	1.083	—	.391†	.521†	.625†	.781†	1.042	1.250†	1.563†	—	—	—	—
24	26	1.083	.521†	.781†	1.042†	—	1.563†	2.083†	2.500†	3.125†	—	—	—	—
36	39	1.083	—	—	1.563†	—	—	—	—	—	—	—	—	—
48	52	1.083	1.042†	1.563†	—	—	3.125†	—	—	6.250†	—	—	—	—
60	65	1.083	—	—	—	—	—	—	6.250†	—	—	—	—	—
72	78	1.083	—	—	—	—	—	6.250†	—	—	—	—	—	—
35	38	1.086	—	—	—	—	—	—	3.650†	—	—	—	—	—
23	25	1.087	—	—	1.000†	1.200†	—	2.000†	—	—	—	—	—	—
11	12	1.091	.204†	.359†	.479†	.600†	.750†	1.000†	1.200†	1.500†	2.000†	2.400†	3.000†	4.000†
22	24	1.091	.479†	.719†	.958†	1.150†	1.438†	1.917†	2.300†	2.875	—	—	5.750†	—
33	36	1.091	—	—	1.438†	—	—	—	—	—	5.750	—	—	—
44	48	1.091	.958†	1.438†	1.917†	—	2.875†	3.833†	—	5.750	—	—	11.500	—
55	60	1.091	—	—	—	2.875†	—	—	5.750	—	—	11.500†	—	—
66	72	1.091	1.438†	—	2.875†	—	—	5.750	—	—	11.500	—	—	—
32	35	1.094	—	—	—	1.675†	—	—	3.350†	—	—	—	—	—
64	70	1.094	—	2.094†	2.792†	3.350†	—	—	6.700†	—	—	—	—	—
21	23	1.095	—	—	.917†	1.100†	1.375†	1.833†	—	—	—	—	—	—
20	22	1.100	.438†	.656†	.875†	1.050†	1.313†	1.750†	2.100†	2.625	—	—	5.250†	—
30	33	1.100	—	—	1.313†	—	—	—	—	—	5.250	—	—	—
40	44	1.100	.875†	1.313†	1.750†	—	2.625†	3.500†	—	5.250	—	—	10.500	—
50	55	1.100	—	—	—	2.625†	—	—	5.250	—	—	10.500†	—	—
60	66	1.100	1.313†	—	2.625†	—	—	5.250	—	—	10.500	—	—	—
19	21	1.105	—	—	.833†	1.000†	1.250†	1.667†	2.000†	2.500†	—	—	—	—
38	42	1.105	—	—	—	—	—	3.333†	4.000†	—	—	—	—	—
76	84	1.105	—	—	—	—	—	—	—	10.000†	—	—	—	—
65	72	1.108	—	—	—	—	—	—	6.850†	—	—	—	—	—
18	20	1.111	.396†	.594†	.792†	.950	1.188	1.583	1.900	2.375	3.167†	3.800	4.750	6.333†
27	30	1.111	—	—	1.188†	—	—	—	—	—	4.750	—	—	—
36	40	1.111	.792†	1.188†	1.583†	1.900†	2.375	3.167†	3.800†	4.750	6.333†	—	9.500	—
45	50	1.111	—	—	—	2.375	—	—	4.750	—	—	9.500	—	—
54	60	1.111	1.188†	—	2.375†	—	3.563†	4.750	5.700†	7.125†	9.500	—	14.250†	19.000†
72	80	1.111	1.583†	2.375†	—	3.800†	4.750	—	7.600†	9.500	—	—	19.000	—
17	19	1.118	—	—	.750†	.900†	1.125†	1.500†	1.800†	2.250†	—	—	—	—
34	38	1.118	—	—	—	—	2.250†	3.000†	—	—	—	—	—	—
68	76	1.118	—	—	—	—	—	—	—	9.000†	—	—	—	—
25	28	1.120	—	.828†	1.104†	1.325†	—	2.208†	2.650	—	—	5.300*	—	—
50	56	1.120	—	1.656†	—	—	—	—	—	—	—	—	—	—
75	84	1.120	—	—	—	3.975†	—	—	7.950†	—	—	—	—	—
16	18	1.125	.354†	.531†	.708†	.850	1.063	1.417	1.700	2.125	2.833	3.400	4.250	5.667†
24	27	1.125	—	—	1.063†	—	—	—	—	—	4.250	—	—	—
32	36	1.125	.708†	1.063†	1.417†	1.700†	2.125	2.833†	3.400†	4.250	5.667†	—	8.500	—
40	45	1.125	—	—	1.771†	2.125	—	—	4.250	—	—	8.500	—	—
48	54	1.125	1.063†	—	2.125†	—	3.188†	4.250	5.100†	6.375†	8.500	—	12.750†	17.000†
64	72	1.125	—	2.125†	2.833†	3.400†	4.250	5.667†	6.800†	8.500	11.333†	—	17.000	—
39	44	1.128	—	—	1.729†	—	—	—	—	—	—	—	—	—
23	26	1.130	—	—	1.021†	—	1.531†	2.042†	—	—	—	—	—	—
15	17	1.133	—	—	.667†	.800†	1.000†	1.333†	1.600†	2.000†	—	—	—	—
30	34	1.133	—	—	—	—	2.000†	2.667†	—	—	—	—	—	—
60	68	1.133	—	—	—	—	4.000†	—	—	8.000†	—	—	—	—
22	25	1.136	—	.734†	.979†	1.175†	—	1.958†	2.350†	—	—	—	—	—
44	50	1.136	—	1.469†	—	—	—	—	—	—	—	—	—	—
14	16	1.143	.313†	.469†	.625†	.750	.938	1.250	1.500	1.875	2.500	3.000	3.750	5.000†
21	24	1.143	—	—	.938†	1.125†	1.406†	1.875	2.250†	2.813†	3.750	—	—	7.500†
28	32	1.143	.625†	.938†	1.250†	1.500†	1.875	2.500†	3.000†	3.750	—	—	7.500	—
35	40	1.143	—	—	—	1.875	—	—	3.750	—	—	7.500	—	—
42	48	1.143	—	—	1.875†	—	—	3.750	4.500†	5.625†	7.500	—	11.250†	15.000†
56	64	1.143	—	—	2.500†	—	3.750	5.000†	—	7.500	—	—	15.000	—
70	80	1.143	—	2.344†	—	3.750	—	—	7.500	—	—	15.000	—	—
48	55	1.146	—	—	—	2.575†	—	—	5.150	—	—	—	—	—
20	23	1.150	—	—	.896†	1.075†	1.344†	1.792†	—	—	—	—	—	—
13	15	1.154	—	.438†	.583†	.700†	.875†	1.167	1.400†	1.750†	—	—	—	—
26	30	1.154	—	.875†	1.167†	—	1.750†	2.333†	2.800†	3.500†	—	—	—	—
39	45	1.154	—	—	1.750†	—	—	—	—	—	—	—	—	—
52	60	1.154	1.167†	1.750†	—	—	3.500*	—	—	7.000†	—	—	—	—
65	75	1.154	—	—	—	—	—	—	7.000†	—	—	—	—	—
19	22	1.158	—	—	.854†	1.025†	1.281†	1.708†	2.050†	2.563†	—	—	—	—
38	44	1.158	—	—	—	—	2.563†	3.417†	—	—	—	—	—	—

† = 14 1/2° only * = 20° only.

WARNING See Table No. 2, Page F-49 for Minimum Recommended Gear Sizes.

F

1.164-1.267 RATIO

Table No. 1

RATIO AND CENTER DISTANCE — SPUR GEARS

GEAR COMBINATIONS No. Teeth		RATIO	CENTER DISTANCE Diametral Pitch											
Driver	Driven		48	32	24	20	16	12	10	8	6	5	4	3
55	64	1.164	—	—	—	2.975†	—	—	5.950†	—	—	—	—	—
12	14	1.167	.271†	.406†	.542†	.650	.813	1.083	1.300	1.625	2.167	2.600	3.250	4.333†
18	21	1.167	—	—	.813†	.975†	1.219†	1.625	1.950†	2.438†	3.250	—	—	6.500†
24	28	1.167	.542†	.813†	1.083†	1.300†	1.625	2.167	2.600	3.250	—	5.200*	6.500	—
30	35	1.167	—	—	—	1.625	—	—	3.250	—	—	6.500	—	—
36	42	1.167	—	—	1.625†	—	—	3.250	3.900†	4.875†	6.500	—	9.750†	13.000†
48	56	1.167	1.083†	1.625†	2.166†	—	3.250	4.333†	—	6.500	—	—	13.000	—
60	70	1.167	—	2.031†	2.708†	3.250	—	—	6.500	—	—	13.000	—	—
72	84	1.167	1.625†	—	3.250†	3.900†	4.875†	6.500	7.800†	9.750†	13.000	—	19.500†	26.000†
64	75	1.172	—	2.172†	—	3.475†	—	—	6.950†	—	—	—	—	—
23	27	1.174	—	—	1.042†	—	—	—	—	—	—	—	—	—
17	20	1.176	—	—	.771†	.925†	1.156†	1.542†	1.850†	2.313†	—	—	—	—
34	40	1.176	—	—	—	—	2.313†	3.083†	—	—	—	—	—	—
68	80	1.176	—	—	—	—	4.625†	—	—	9.250†	—	—	—	—
28	33	1.179	—	—	1.271†	—	—	—	—	—	—	—	—	—
56	66	1.179	1.271†	—	2.542†	—	—	5.083†	—	—	—	—	—	—
11	13	1.182	—	.375†	.500†	.625†	.781†	1.042†	1.250†	1.563†	—	—	—	—
22	26	1.182	.500†	.750†	1.000†	—	1.500†	2.000†	2.400†	3.00†	—	—	—	—
33	39	1.182	—	—	1.500†	—	—	—	—	—	—	—	—	—
44	52	1.182	1.000†	1.500†	—	—	3.000†	—	—	6.000†	—	—	—	—
55	65	1.182	—	—	—	—	—	—	6.000†	—	—	—	—	—
66	78	1.182	—	—	—	—	—	6.000†	—	—	—	—	—	—
38	45	1.184	—	—	—	—	—	—	4.150†	—	—	—	—	—
27	32	1.185	—	—	1.229†	—	—	—	—	—	4.917†	—	—	—
54	64	1.185	—	—	2.458†	—	3.688†	4.917†	5.900†	7.375†	9.833†	—	14.750†	—
16	19	1.188	—	—	.729†	.875†	1.094†	1.458†	1.750†	2.188†	—	—	—	—
32	38	1.188	—	—	—	—	2.188†	2.917†	3.500†	—	—	—	—	—
64	76	1.188	—	—	—	—	—	—	—	8.750†	—	—	—	—
21	25	1.190	—	—	.958†	1.150†	—	1.917†	2.300†	—	—	—	—	—
42	50	1.190	—	—	—	—	—	—	4.600†	—	—	—	—	—
15	18	1.200	.344†	.516†	.688†	.825	1.031	1.375	1.650	2.063	2.750	3.300	4.125	5.500†
20	24	1.200	.458†	.688†	.917†	1.100	1.375	1.833	2.200	2.750	3.667†	4.400	5.500	7.333†
25	30	1.200	—	.859†	1.146†	1.375	—	2.292†	2.750	—	—	5.500	—	—
30	36	1.200	—	1.031†	1.375†	1.650†	2.063	2.750	3.300†	4.125†	5.500	—	8.250†	11.000†
35	42	1.200	—	—	—	—	—	—	3.850†	—	—	—	—	—
40	48	1.200	.917†	1.375†	1.833†	2.200†	2.750	3.667†	4.400	5.500	7.333†	—	11.000	—
45	54	1.200	—	—	2.063†	—	—	—	4.950†	—	—	—	—	—
50	60	1.200	—	1.719†	—	2.750	—	—	5.500	—	—	11.000	—	—
60	72	1.200	1.375†	2.063†	2.750†	3.300†	4.125	5.500	6.600†	8.250	11.000	—	16.500	22.000†
70	84	1.200	—	—	3.208†	3.850	—	—	7.700†	—	—	—	—	—
54	65	1.204	—	—	—	—	—	—	5.950†	—	—	—	—	—
19	23	1.211	—	—	.875†	1.050†	1.313†	1.750†	—	—	—	—	—	—
33	40	1.212	—	—	1.521†	—	—	—	—	—	6.083†	—	—	—
66	80	1.212	1.521†	—	—	—	—	—	—	—	—	—	—	—
14	17	1.214	—	—	.646†	.775†	.969†	1.292†	1.550†	1.938†	—	—	—	—
28	34	1.214	—	—	—	—	1.938†	2.583†	—	—	—	—	—	—
56	68	1.214	—	—	—	—	3.875†	—	—	7.750†	—	—	—	—
23	28	1.217	—	—	1.063†	1.275†	1.594†	2.125†	—	—	—	—	—	—
32	39	1.219	—	—	1.479†	—	—	—	—	—	—	—	—	—
64	78	1.219	—	—	—	—	—	5.917†	—	—	—	—	—	—
18	22	1.222	.417†	.625†	.833†	1.000†	1.250†	1.667†	2.000†	2.500	—	—	5.000†	—
27	33	1.222	—	—	1.250†	—	—	—	—	—	5.000	—	—	—
36	44	1.222	.833†	1.250†	1.667†	—	2.500†	3.333†	—	5.000	—	—	10.000	—
45	55	1.222	—	—	—	2.500†	—	—	5.000	—	—	10.000†	—	—
54	66	1.222	1.250†	—	2.500†	—	—	5.000	—	—	10.000	—	—	—
22	27	1.227	—	—	1.021†	—	—	—	—	—	—	—	—	—
44	54	1.227	1.021†	—	2.042†	—	3.063†	4.083†	—	6.125†	—	—	12.250†	—
13	16	1.231	—	.453†	.604†	.725†	.906†	1.208	1.450†	1.813†	—	—	—	—
26	32	1.231	.604†	.906†	1.208†	—	1.813†	2.417†	2.900†	3.625†	—	—	—	—
39	48	1.231	—	—	1.813†	—	—	—	—	—	—	—	—	—
52	64	1.231	—	1.813†	—	—	3.625†	—	—	7.250†	—	—	—	—
65	80	1.231	—	—	—	—	—	—	7.250†	—	—	—	—	—
17	21	1.235	—	—	.792†	.950†	1.188†	1.583†	1.900†	2.375†	—	—	—	—
34	42	1.235	—	—	—	—	—	3.167†	—	—	—	—	—	—
68	84	1.235	—	—	—	—	4.750†	—	—	9.500†	—	—	—	—
21	26	1.238	—	—	.979†	—	1.469†	1.958†	2.350†	2.938†	—	—	—	—
42	52	1.238	—	—	—	—	—	—	—	5.875†	—	—	—	—
45	56	1.244	—	—	2.104†	—	—	—	—	—	—	—	—	—
12	15	1.250	.281†	.422†	.563†	.675	.844	1.125	1.350	1.688	2.2500	2.700	3.376	4.500†
16	20	1.250	.375†	.563†	.750†	.900	1.125	1.500	1.800	2.250	3.000†	3.600	4.500	6.000†
20	25	1.250	—	.703†	.938†	1.125	—	1.875†	2.250	—	—	4.500	—	—
24	30	1.250	—	.844†	1.125†	1.350	1.688	2.250	2.700	3.375†	4.500	5.400	6.750†	9.000†
28	35	1.250	—	—	—	1.575†	—	—	3.150	—	—	6.300*	—	—
32	40	1.250	.750†	1.125†	1.500†	1.8001	2.250	3.000†	3.600†	4.500	6.000†	—	9.000	—
36	45	1.250	—	—	1.688†	2.025†	—	—	4.050†	—	—	—	—	—
40	50	1.250	—	1.406†	—	2.250	—	—	4.500	—	—	9.000	—	—
48	60	1.250	1.125	1.688†	2.250†	2.700†	3.375	4.500	5.400	6.750	9.000	—	13.500	18.000†
56	70	1.250	—	1.969†	2.625†	—	—	—	—	—	—	—	—	—
60	75	1.250	—	2.109†	—	3.375†	—	—	6.750†	—	—	—	—	—
64	80	1.250	—	2.250†	—	3.600†	4.500	—	7.200†	9.000	—	—	18.000	—
54	68	1.259	—	—	—	—	3.813†	—	—	7.625†	—	—	—	—
19	24	1.263	—	—	.896†	1.075†	1.344†	1.792†	2.150†	2.688†	—	—	—	—
38	48	1.263	—	—	—	—	2.688†	3.583†	4.300†	—	—	—	—	—
15	19	1.267	—	—	.708†	.850†	1.063†	1.417†	1.700†	2.125†	—	—	—	—
30	38	1.267	—	—	—	—	2.125†	2.833†	3.400†	—	—	—	—	—

† = 14 1/2° only * = 20° only.

⚠WARNING **See Table No. 2, Page F-49 for Minimum Recommended Gear Sizes.**

Table No. 1

RATIO AND CENTER DISTANCE — SPUR GEARS

1.267-1.391 RATIO

GEAR COMBINATIONS No. Teeth		RATIO	CENTER DISTANCE Diametral Pitch											
Driver	Driven		48	32	24	20	16	12	10	8	6	5	4	3
60	76	1.267	—	—	—	—	—	—	—	8.500†	—	—	—	—
26	33	1.269	—	—	1.229†	—	—	—	—	—	—	—	—	—
52	66	1.269	1.229†	—	—	—	—	—	—	—	—	—	—	—
11	14	1.273	.260†	.391†	.521†	.650†	.813†	1.083†	1.300†	1.625†	2.167†	2.600†	3.250†	4.333†
22	28	1.273	.521†	.781†	1.042†	1.250†	1.563†	2.083†	2.500†	3.125	—	—	6.250†	—
33	42	1.273	—	—	1.563†	—	—	—	—	—	6.250	—	—	—
44	56	1.273	1.042†	1.563†	2.083†	—	3.125†	4.167†	—	6.250	—	—	12.500†	—
55	70	1.273	—	—	—	3.125†	—	—	6.250	—	—	12.500†	—	—
66	84	1.273	1.563†	—	3.125†	—	—	6.250	—	—	12.500	—	—	—
18	23	1.278	—	—	.854†	1.025†	1.281†	1.708†	—	—	—	—	—	—
25	32	1.280	—	.891†	1.188†	1.425†	—	2.375†	2.850†	—	—	—	—	—
50	64	1.280	—	1.781†	—	2.850†	—	—	5.700†	—	—	—	—	—
14	18	1.286	.333†	.500†	.667†	.800	1.000	1.333	1.600	2.000	2.667	3.200	4.000	5.333†
21	27	1.286	—	—	1.000†	—	—	—	—	—	4.000	—	—	—
28	36	1.286	.667†	1.000†	1.333†	1.600†	2.000	2.667	3.200†	4.000	—	—	8.000	—
35	45	1.286	—	—	—	2.000	—	—	4.000	—	—	8.000	—	—
42	54	1.286	—	—	2.000†	—	—	4.000	4.800†	6.000†	8.000	—	12.000†	16.000†
56	72	1.286	1.333†	2.000†	2.667†	—	4.000	5.333†	—	8.000	—	—	16.000	—
65	84	1.292	—	—	—	—	—	—	7.450†	—	—	—	—	—
17	22	1,294	—	—	.813†	.975†	1.219†	1.625†	1.950†	2.438†	—	—	—	—
34	44	1.294	—	—	—	—	2.438†	3.250†	—	—	—	—	—	—
54	70	1.296	—	—	2.583†	—	—	—	6.200†	—	—	—	—	—
20	26	1.300	.479†	.719†	.958†	—	1.438†	1.917†	2.300†	2.875†	—	—	—	—
30	39	1.300	—	—	1.438†	—	—	—	—	—	—	—	—	—
40	52	1.300	.958†	1.438†	—	—	2.875†	—	—	5.750†	—	—	—	—
50	65	1,300	—	—	—	—	—	—	5.750†	—	—	—	—	—
60	78	1.300	—	—	—	—	—	5.750†	—	—	—	—	—	—
23	30	1.304	—	—	1.104†	1.325†	1.656†	2.208†	—	—	—	—	—	—
13	17	1.308	—	—	.625†	.750†	.938†	1.250†	1.500†	1.875†	—	—	—	—
26	34	1.308	—	—	—	—	1.875†	2.500†	—	—	—	—	—	—
52	68	1,308	—	—	—	—	3.750†	—	—	7.500†	—	—	—	—
55	72	1.309	—	—	—	3.175†	—	—	6.350†	—	—	—	—	—
42	55	1.310	—	—	—	—	—	—	4.850†	—	—	—	—	—
16	21	1.313	—	—	.771†	.925†	1.156†	1.542	1.850†	2.313†	3.083	—	—	6.167†
32	42	1.313	—	—	1.542†	—	—	3.083†	3.700†	4.625†	6.167†	—	9.250†	—
64	84	1.313	—	—	3,083†	3.700†	4.625†	6.167†	7.400†	9.250†	12.333†	—	18.500†	—
19	25	1.316	—	—	.917†	1.100†	—	1.833†	2.200†	—	—	—	—	—
38	50	1.316	—	—	—	—	—	—	4.400†	—	—	—	—	—
25	33	1.320	—	—	1.208†	—	—	—	—	—	—	—	—	—
12	16	1.333	.292†	.438†	.583†	.700	.875	1.167	1.400	1.750	2.333	2.800	3.500	4.667†
15	20	1,333	.365†	.547†	.729†	.875	1.094	1.458	1.750	2.188	2.917†	3.500	4.375	5.833†
18	24	1.333	.438†	.656†	.875†	1.050	1.313	1.750	2.100	2.625	3.500	4.200	5.250	7.000†
21	28	1.333	—	—	1.021†	1.225†	1.531†	2.042	2.450†	3.063†	—	—	—	—
24	32	1.333	.583†	.875†	1.167†	1.400†	1.750	2.333†	2.800†	3.500	4.667†	—	7.000	—
27	36	1.333	—	—	1.313†	—	—	—	—	—	5.250	—	—	—
30	40	1.333	—	1.094†	1.458†	1.750	2.188	2.197†	3.500	4.375†	5.833†	7.000	8.750†	—
33	44	1.333	—	—	1.604†	—	—	—	—	—	—	—	—	—
36	48	1.333	.875†	1.313†	1.750†	2.100†	2.625	3.500	4.200†	5.250	7.000	—	10.500	14.000†
42	56	1.333	—	—	2.042†	—	—	4.083†	—	6.125†	—	—	12.250†	—
45	60	1.333	—	—	2.188†	2.625	—	—	5.250	—	—	10.500	—	—
48	64	1.333	—	1.750†	2.333†	2.800†	3.500	4.667†	5.600†	7.000	9.333†	—	14.000	—
54	72	1,333	1.313†	—	2.625†	—	3.938†	5.250	6.300†	7.875†	10.500	—	15.750†	21.000†
60	80	1,333	1.458†	2.188†	—	3.500	4.375	—	7.000	8.750	—	14.000	17.500	—
56	75	1.339	—	2.047†	—	—	—	—	—	—	—	—	—	—
26	35	1.346	—	—	—	—	—	—	3.050†	—	—	—	—	—
52	70	1.346	—	1.906†	—	—	—	—	—	—	—	—	—	—
20	27	1.350	—	—	.979†	—	—	—	—	—	3.917†	—	—	—
40	54	1.350	.979†	—	1.958†	—	2.938†	3.917†	4.700†	5.875†	7.833†	—	11.750†	—
17	23	1.353	—	—	.833†	1.000†	1.250†	1.667†	—	—	—	—	—	—
48	65	1.354	—	—	—	—	—	—	5.650†	—	—	—	—	—
14	19	1.357	—	—	.688†	.825†	1.031†	1.375†	1.650†	2.063†	—	—	—	—
28	38	1.357	—	—	—	—	2.063†	2.750†	3.300†	—	—	—	—	—
56	76	1.357	—	—	—	—	—	—	—	8.250†	—	—	—	—
25	34	1.360	—	—	—	—	—	2.458†	—	—	—	—	—	—
11	15	1.364	.271†	.406†	.542†	.675†	.844†	1.125†	1.350†	1.688†	2.250†	2.700†	3.375†	4.500†
22	30	1.364	—	.813†	1.083†	1.300†	1.625†	2.167†	2.600†	3.250†	—	—	6.500†	—
33	45	1.364	—	—	1.625†	—	—	—	—	—	—	—	—	—
44	60	1.364	1.083†	1.625†	2.167†	—	3.250†	4.333†	—	6.500	—	—	13.000	—
55	75	1.364	—	—	—	3.250†	—	—	6.500†	—	—	—	—	—
19	26	1.368	—	—	.938†	—	1.406†	1.875†	2.250†	2.813†	—	—	—	—
38	52	1.368	—	—	—	—	2.813†	—	—	—	—	—	—	—
35	48	1,371	—	—	—	2.075†	—	—	4.150	—	—	—	—	—
16	22	1,375	.396†	.594†	.792†	.950†	1.188†	1.583†	1.900†	2.375	—	—	4.750†	—
24	33	1.375	—	—	1.188†	—	—	—	—	—	4.750	—	—	—
32	44	1.375	.792†	1.188†	1.583†	—	2.375†	3.167†	—	4.750	—	—	9.500	—
40	55	1.375	—	—	—	2.375†	—	—	4.750	—	—	9.500†	—	—
48	66	1.375	1.188†	—	2.375†	—	—	4.750	—	—	9.500	—	—	—
13	18	1.385	—	.484†	.646†	.775†	.969†	1.292	1.550†	1.938†	—	—	—	—
26	36	1.385	.646†	.969†	1.292†	—	1.938†	2.583†	3.100†	3.875†	—	—	—	—
39	54	1,385	—	—	1.938†	—	—	—	—	—	—	—	—	—
52	72	1.385	1.292†	1.938†	—	—	3.875†	—	—	7.750†	—	—	—	—
18	25	1.389	—	.672†	.896†	1.075	—	1.792†	2.150	—	—	4.300	—	—
36	50	1.389	—	1.344†	—	2.150†	—	—	4.300†	—	—	—	—	—
54	75	1.389	—	—	—	—	—	—	6.450†	—	—	—	—	—
23	32	1.391	—	—	1.146†	1.375†	1.719†	2.292†	—	—	—	—	—	—

† = 14 1/2° only * = 20° only.

WARNING See Table No. 2, Page F-49 for Minimum Recommended Gear Sizes.

F

1.393-1.538 RATIO

Table No. 1

RATIO AND CENTER DISTANCE — SPUR GEARS

GEAR COMBINATIONS No. Teeth		RATIO	CENTER DISTANCE Diametral Pitch											
Driver	Driven		48	32	24	20	16	12	10	8	6	5	4	3
28	39	1.393	—	—	1.396†	—	—	—	—	—	—	—	—	—
56	78	1.393	—	—	—	—	—	5.583†	—	—	—	—	—	—
15	21	1.400	—	—	.750†	.900†	1.125†	1.500	1.800†	2.250†	3.000	—	—	6.000†
20	28	1.400	.500†	.750†	1.000†	1.200†	1.500	2.000	2.400	3.000	—	4.800*	6.000	—
25	35	1.400	—	—	—	1.500	—	—	3.000	—	—	6.000	—	—
30	42	1.400	—	—	1.500†	—	—	3.000	3.600†	4.500†	6.000	—	9.000†	12.000†
40	56	1.400	1.000†	1.500†	2.000†	—	3.000	4.000†	—	6.000	—	—	12.000	—
50	70	1.400	—	1.875†	—	3.000	—	—	6.000	—	—	12.000	—	—
60	84	1.400	1.500†	—	3.000†	3.600	4.500†	6.000	7.200†	9.000†	12.000	—	18.000†	24.000†
32	45	1.406	—	—	1.604†	1.925†	—	—	3.850†	—	—	—	—	—
54	76	1.407	—	—	—	—	—	—	—	8.125†	—	—	—	—
17	24	1.412	—	—	.854†	1.025†	1.281†	1.708†	2.050†	2.563†	—	—	—	—
34	48	1.412	—	—	—	—	2.563†	3.417†	—	—	—	—	—	—
12	17	1.417	—	—	.604†	.725†	.906†	1.208†	1.450†	1.813†	—	—	—	—
24	34	1.417	—	—	—	—	1.813†	2.417†	—	—	—	—	—	—
48	68	1.417	—	—	—	—	3.625†	—	—	7.250†	—	—	—	—
19	27	1.421	—	—	.958†	—	—	—	—	—	—	—	—	—
38	54	1.421	—	—	—	—	2.875†	3.833†	4.600†	—	—	—	—	—
45	64	1.422	—	—	2.271†	2.725†	—	—	5.450†	—	—	—	—	—
14	20	1.429	.354†	.531†	.708†	.850	1.063	1.417	1.700	2.125	2.833†	3.400	4.250	5.667†
21	30	1.429	—	—	1.063†	1.275†	1.594†	2.125	2.550†	3.188†	4.250	—	—	8.500†
28	40	1.429	.708†	1.063†	1.417†	1.700†	2.125	2.833†	3.400	4.250	—	6.800*	8.500	—
35	50	1.429	—	—	—	2.125	—	—	4.250	—	—	8.500	—	—
42	60	1.429	—	—	2.125†	—	—	4.250	5.100†	6.375†	8.500	—	12.750†	17.000†
56	80	1.429	1.417†	2.125†	—	—	4.250	—	—	8.500	—	—	17.000	—
23	33	1.435	—	—	1.167†	—	—	—	—	—	—	—	—	—
39	56	1.436	—	—	1.979†	—	—	—	—	—	—	—	—	—
16	23	1.438	—	—	.813†	.975†	1.219†	1.625†	—	—	—	—	—	—
25	36	1.440	—	.953†	1.271†	1.525†	—	2.542†	3.050†	—	—	—	—	—
50	72	1.440	—	1.906†	—	3.050†	—	—	6.100†	—	—	—	—	—
52	75	1.442	—	1.984†	—	—	—	—	—	—	—	—	—	—
18	26	1.444	.458†	.688†	.917†	—	1.375†	1.833†	2.200†	2.750†	—	—	—	—
27	39	1.444	—	—	1.375†	—	—	—	—	—	—	—	—	—
36	52	1.444	.917†	1.375†	—	—	2.750†	—	—	5.500†	—	—	—	—
45	65	1.444	—	—	—	—	—	—	5.500†	—	—	—	—	—
54	78	1.444	—	—	—	—	—	5.500†	—	—	—	—	—	—
38	55	1.447	—	—	—	—	—	—	4.650†	—	—	—	—	—
11	16	1.455	.281†	.422†	.563†	.700†	.875†	1.167†	1.400†	1.750†	2.333†	2.800†	3.500†	4.667†
22	32	1.455	.563†	.844†	1.125†	1.350†	1.688†	2.250†	2.700†	3.375	—	—	6.750†	—
33	48	1.455	—	—	1.688†	—	—	—	—	—	6.750	—	—	—
44	64	1.455	—	1.688†	2.250†	—	3.375†	4.500†	—	6.750	—	—	13.500	—
55	80	1.455	—	—	—	3.375†	—	—	6.750	—	—	13.500†	—	—
24	35	1.458	—	—	—	1.475	—	—	2.950	—	—	5.900	—	—
48	70	1.458	—	1.844†	2.458†	2.950†	—	—	5.900	—	—	—	—	—
13	19	1.462	—	—	.667†	.800†	1.000†	1.333†	1.600†	2.000†	—	—	—	—
26	38	1.462	—	—	—	—	2.000†	2.667†	3.200†	—	—	—	—	—
52	76	1.462	—	—	—	—	—	—	—	8.000†	—	—	—	—
15	22	1.467	.385†	.578†	.771†	.925†	1.156†	1.542†	1.850†	2.313	—	—	4.625†	—
30	44	1.467	—	1.156†	1.542†	—	2.313†	3.083†	—	4.625†	—	—	9.250†	—
45	66	1.467	—	—	2.313†	—	—	—	—	—	—	—	—	—
17	25	1.471	—	—	.875†	1.050†	—	1.750†	2.100†	—	—	—	—	—
19	28	1.474	—	—	.979†	1.175†	1.469†	1.958†	2.350†	2.938†	—	—	—	—
38	56	1.474	—	—	—	—	2.938†	3.917†	—	—	—	—	—	—
23	34	1.478	—	—	—	—	1.781†	2.375†	—	—	—	—	—	—
27	40	1.481	—	—	1.396†	—	—	—	—	—	5.583†	—	—	—
54	80	1.481	1.396†	—	—	—	4.188†	—	6.700†	8.375†	—	—	16.750†	—
12	18	1.500	.313†	.469†	.625†	.750	.938	1.250	1.500	1.875	2.500	3.000	3.750	5.000†
14	21	1.500	—	—	.729†	.875†	1.094†	1.458	1.750†	2.188†	2.917	—	—	5.833†
16	24	1.500	.417†	.625†	.833†	1.000	1.250	1.667	2.000	2.500	3.333	4.000	5.000	6.667†
18	27	1.500	—	—	.938†	—	—	—	—	—	3.750	—	—	—
20	30	1.500	—	.781†	1.042†	1.250	1.563	2.083	2.500	3.125†	4.167†	5.000	6.250†	8.333†
22	33	1.500	—	—	1.146†	—	—	—	—	—	—	—	—	—
24	36	1.500	.625†	.938†	1.250†	1.500†	1.875	2.500	3.000†	3.750	5.000	—	7.500	10.000†
26	39	1.500	—	—	1.354†	—	—	—	—	—	—	—	—	—
28	42	1.500	—	—	1.458†	—	—	2.917	3.500†	4.375†	—	—	8.750†	—
30	45	1.500	—	—	1.563†	1.875	—	—	3.750	—	—	7.500	—	—
32	48	1.500	.833†	1.250†	1.667†	2.000†	2.500	3.333†	4.000†	5.000	6.667†	—	10.000	—
36	54	1.500	.938†	—	1.875†	—	2.813†	3.750	4.500†	5.625†	7.500	—	11.250†	15.000†
40	60	1.500	1.042†	1.563†	2.083†	2.500	3.125	4.167†	5.000	6.250	8.333†	10.000	12.500	—
44	66	1.500	1.146†	—	2.292†	—	—	4.583†	—	—	—	—	—	—
48	72	1.500	1.250†	1.875†	2.500†	3.000†	3.750	5.000	6.000†	7.500	10.000	—	15.000	20.000†
50	75	1.500	—	1.953†	—	3.125†	—	—	6.250†	—	—	—	—	—
56	84	1.500	1.458†	—	2.917†	—	4.375†	5.833†	—	8.750†	—	—	17.500†	—
25	38	1.520	—	—	—	—	—	2.625†	3.150†	—	—	—	—	—
23	35	1.522	—	—	—	1.450†	—	—	—	—	—	—	—	—
21	32	1.524	—	—	1.104†	1.325†	1.656†	2.208†	2.650†	3.313†	4.417†	—	—	—
42	64	1.524	—	—	2.208†	—	—	4.417†	5.300†	6.625†	8.833†	—	13.250†	—
55	84	1.527	—	—	—	3.475†	—	—	6.950†	—	—	—	—	—
36	55	1.528	—	—	—	2.275†	—	—	4.550†	—	—	—	—	—
17	26	1.529	—	—	.896†	—	1.344†	1.792†	2.150†	2.688†	—	—	—	—
34	52	1.529	—	—	—	—	2.688†	—	—	—	—	—	—	—
15	23	1.533	—	—	.792†	.950†	1.188†	1.583†	—	—	—	—	—	—
13	20	1.538	—	.516†	.688†	.825†	1.031†	1.375	1.650†	2.063†	—	—	—	—
26	40	1.538	.688†	1.031†	1.375†	—	2.063†	2.750†	3.300†	4.125†	—	—	—	—
39	60	1.538	—	—	2.063†	—	—	—	—	—	—	—	—	—

† = 14 1/2º only * = 20º only.

⚠WARNING **See Table No. 2, Page F-49 for Minimum Recommended Gear Sizes.**

F

Table No. 1

RATIO AND CENTER DISTANCE — SPUR GEARS

1.538-1.704 RATIO

GEAR COMBINATIONS No. Teeth		RATIO	CENTER DISTANCE Diametral Pitch											
Driver	Driven		48	32	24	20	16	12	10	8	6	5	4	3
52	80	1.538	1.375†	2.063†	—	—	4.125†	—	—	8.250†	—	—	—	—
35	54	1.543	—	—	—	—	—	—	4.450†	—	—	—	—	—
11	17	1.545	—	—	.583†	.725†	.906†	1.208†	1.450†	1.813†	—	—	—	—
22	34	1.545	—	—	—	—	1.750†	2.333†	—	—	—	—	—	—
44	68	1.545	—	—	—	—	3.500†	—	—	7.000†	—	—	—	—
42	65	1.548	—	—	—	—	—	—	5.350†	—	—	—	—	—
18	28	1.556	.479†	.719†	.958†	1.150†	1.438	1.917	2.300	2.875	—	4.600*	5.750	—
27	42	1.556	—	—	1.438†	—	—	—	—	—	5.750	—	—	—
36	56	1.556	.958†	1.438†	1.917†	—	2.875	3.833†	—	5.750	—	—	11.500	—
45	70	1.556	—	—	2.396†	2.875	—	—	5.750	—	—	11.500	—	—
54	84	1.556	1.438†	—	2.875†	—	4.313†	5.750	6.900†	8.625†	11.500	—	17.250†	23.000†
25	39	1.560	—	—	1.333†	—	—	—	—	—	—	—	—	—
16	25	1.563	—	.641†	.854†	1.025	—	1.708†	2.050	—	—	4.100	—	—
32	50	1.563	—	1.281†	—	2.050†	—	—	4.100†	—	—	—	—	—
48	75	1.563	—	1.922†	—	3.075†	—	—	6.150†	—	—	—	—	—
23	36	1.565	—	—	1.229†	1.475†	1.844†	2.458†	—	—	—	—	—	—
14	22	1.571	.375†	.563†	.750†	.900†	1.125†	1.500†	1.800†	2.250	—	—	4.500†	—
21	33	1.571	—	—	1.125†	—	—	—	—	—	4.500	—	—	—
28	44	1.571	.750†	1.125†	1.500†	—	2.250†	3.000†	—	4.500	—	—	9.000	—
35	55	1.571	—	—	—	2.250†	—	—	4.500	—	—	9.000†	—	—
42	66	1.571	—	—	2.250†	—	—	4.500	—	—	9.000	—	—	—
19	30	1.579	—	—	1.021†	1.225†	1.531†	2.042†	2.450†	3.063†	—	—	—	—
38	60	1.579	—	—	—	—	3.063†	4.083†	4.900†	—	—	—	—	—
12	19	1.583	—	—	.646†	.775†	.969†	1.292†	1.550†	1.938†	—	—	—	—
24	38	1.583	—	—	—	—	1.938†	2.583†	3.100†	—	—	—	—	—
48	76	1.583	—	—	—	—	—	—	—	7.750†	—	—	—	—
17	27	1.588	—	—	.917†	—	—	—	—	—	—	—	—	—
34	54	1.588	—	—	—	—	2.750†	3.667†	—	—	—	—	—	—
22	35	1.591	—	—	—	1.425†	—	—	2.850†	—	—	—	—	—
44	70	1.591	—	1.781†	2.375†	—	—	—	—	—	—	—	—	—
15	24	1.600	.406†	.609†	.813†	.975	1.219	1.625	1.950	2.438	3.250	3.900	4.875	6.500†
20	32	1.600	.542†	.813†	1.083†	1.300†	1.625	2.167†	2.600†	3.250	4.333†	—	6.500	—
25	40	1.600	—	1.016†	1.354†	1.625	—	2.708†	3.250	—	—	6.500	—	—
30	48	1.600	—	1.219†	1.625†	1.950†	2.438	3.250	3.900	4.875†	6.500	—	9.750†	13.000†
40	64	1.600	—	1.625†	2.167†	2.600†	3.250	4.333†	5.200†	6.500	8.667†	—	13.000	—
45	72	1.600	—	—	2.438†	2.925†	—	—	5.850†	—	—	—	—	—
50	80	1.600	—	2.031†	—	3.250	—	—	6.500	—	—	13.000	—	—
28	45	1.607	—	—	1.521†	1.825†	—	—	3.650	—	—	7.300*	—	—
13	21	1.615	—	—	.708†	.850†	1.063†	1.417	1.700†	2.125†	—	—	—	—
26	42	1.615	—	—	1.417†	—	—	2.833†	3.400†	4.250†	—	—	—	—
52	84	1.615	1.417†	—	—	—	4.250†	—	—	8.500†	—	—	—	—
21	34	1.619	—	—	—	—	1.719†	2.292†	—	—	—	—	—	—
42	68	1.619	—	—	—	—	—	—	—	6.875†	—	—	—	—
16	26	1.625	.438†	.656†	.875†	—	1.313†	1.750†	2.100†	2.625†	—	—	—	—
24	39	1.625	—	—	1.313†	—	—	—	—	—	—	—	—	—
32	52	1.625	.875†	1.313†	—	—	2.625†	—	—	5.250†	—	—	—	—
40	65	1.625	—	—	—	—	—	—	5.250†	—	—	—	—	—
48	78	1.625	—	—	—	—	—	5.250†	—	—	—	—	—	—
27	44	1.630	—	—	1.479†	—	—	—	—	—	—	—	—	—
11	18	1.636	.302†	.453†	.604†	.750†	.938†	1.250†	1.500†	1.875†	2.500†	3.000†	3.750†	5.000†
22	36	1.636	.604†	.906†	1.208†	1.450†	1.813†	2.417†	2.900†	3.625	—	—	7.250†	—
33	54	1.636	—	—	1.813†	—	—	—	—	—	7.250	—	—	—
44	72	1.636	1.208†	1.813†	2.417†	—	3.625†	4.833†	—	7.250	—	—	14.500	—
39	64	1.641	—	—	2.146†	—	—	—	—	—	—	—	—	—
14	23	1.643	—	—	.771†	.925†	1.156†	1.542†	—	—	—	—	—	—
17	28	1.647	—	—	.938†	1.125†	1.406†	1.875†	2.250†	2.813†	—	—	—	—
34	56	1.647	—	—	—	—	2.813†	3.750†	—	—	—	—	—	—
20	33	1.650	—	—	1.104†	—	—	—	—	—	4.417†	—	—	—
40	66	1.650	1.104†	—	2.208†	—	—	4.417†	—	—	8.833†	—	—	—
23	38	1.652	—	—	—	—	1.906†	2.542†	—	—	—	—	—	—
12	20	1.667	.333†	.500†	.667†	.800	1.000	1.333	1.600	2.000	2.667†	3.200	4.000	5.333†
15	25	1.667	—	.625†	.833†	1.000	—	1.667†	2.000	—	—	4.000	—	—
18	30	1.667	—	.750†	1.000†	1.200	1.500	2.000	2.400	3.000†	4.000	4.800	6.000†	8.000†
21	35	1.667	—	—	—	1.400†	—	—	2.800†	—	—	—	—	—
24	40	1.667	.667†	1.000†	1.333†	1.600	2.000	2.667†	3.200	4.000	5.333†	6.400	8.000	—
27	45	1.667	—	—	1.500†	—	—	—	—	—	—	—	—	—
30	50	1.667	—	1.250†	—	2.000	—	—	4.000	—	—	8.000	—	—
36	60	1.667	1.000†	1.500†	2.000†	2.400†	3.000	4.000	4.800†	6.000	8.000	—	12.000	16.000†
42	70	1.667	—	—	2.333†	—	—	—	5.600†	—	—	—	—	—
45	75	1.667	—	—	—	3.000†	—	—	6.000†	—	—	—	—	—
48	80	1.667	1.333†	2.000†	—	3.200†	4.000	—	6.400	8.000	—	—	16.000	—
25	42	1.680	—	—	1.396†	—	—	2.792†	3.350†	—	—	—	—	—
50	84	1.680	—	—	—	3.350	—	—	6.700†	—	—	—	—	—
19	32	1.684	—	—	1.063†	1.275†	1.594†	2.125†	2.550†	3.188†	—	—	—	—
38	64	1.684	—	—	—	—	3.188†	4.250†	5.100†	—	—	—	—	—
16	27	1.688	—	—	.896†	—	—	—	—	—	3.583	—	—	—
32	54	1.688	.896†	—	1.792†	—	2.688†	3.583†	4.300†	5.375†	7.167†	—	10.750†	—
13	22	1.692	—	.547†	.729†	.875†	1.094†	1.458†	1.750†	2.188†	—	—	—	—
26	44	1.692	.729†	1.094†	1.458†	—	2.188†	2.917†	—	4.375†	—	—	—	—
39	66	1.692	—	—	2.188†	—	—	—	—	—	—	—	—	—
23	39	1.696	—	—	1.292†	—	—	—	—	—	—	—	—	—
33	56	1.697	—	—	1.854†	—	—	—	—	—	—	—	—	—
20	34	1.700	—	—	—	—	1.688†	2.250†	—	—	—	—	—	—
40	68	1.700	—	—	—	—	3.375†	—	—	6.750†	—	—	—	—
44	75	1.704	—	1.859†	—	—	—	—	—	—	—	—	—	—

†= 14 1/2° only * = 20° only.

⚠WARNING See Table No. 2, Page F-49 for Minimum Recommended Gear Sizes.

1.711-1.905 RATIO

Table No. 1

RATIO AND CENTER DISTANCE — SPUR GEARS

GEAR COMBINATIONS No. Teeth		RATIO	CENTER DISTANCE Diametral Pitch											
Driver	Driven		48	32	24	20	16	12	10	8	6	5	4	3
38	65	1.711	—	—	—	—	—	—	5.150†	—	—	—	—	—
14	24	1.714	.396†	.594†	.792†	.950	1.188	1.583	1.900	2.375	3.167	3.800	4.750†	6.333†
21	36	1.714	—	—	1.188†	1.425†	1.781†	2.375	2.850†	3.563†	4.750	—	—	9.500†
28	48	1.714	.792†	1.188†	1.583†	1.900†	2.375	3.167	3.800	4.750	—	—	9.500	—
35	60	1.714	—	—	—	2.375	—	—	4.750	—	—	9.500	—	—
42	72	1.714	—	—	2.375†	—	—	4.750	5.700†	7.125†	9.500	—	14.250†	19.000†
32	55	1.719	—	—	—	2.175†	—	—	4.350†	—	—	—	—	—
11	19	1.727	—	—	.625†	.775†	.969†	1.292†	1.550†	1.938†	—	—	—	—
22	38	1.727	—	—	—	—	1.875†	2.500†	3.000†	—	—	—	—	—
44	76	1.727	—	—	—	—	—	—	—	7.500†	—	—	—	—
26	45	1.731	—	—	1.479†	—	—	—	3.550†	—	—	—	—	—
15	26	1.733	.427†	.641†	.854†	—	1.281†	1.708†	2.050†	2.563†	—	—	—	—
30	52	1.733	—	1.281†	—	—	2.563†	—	—	5.125†	—	—	—	—
19	33	1.737	—	—	1.0833†	—	—	—	—	—	—	—	—	—
38	66	1.737	—	—	—	—	—	4.333†	—	—	—	—	—	—
23	40	1.739	—	—	1.313†	1.575†	1.969†	2.625†	—	—	—	—	—	—
12	21	1.750	—	—	.688†	.825†	1.031†	1.375	1.650†	2.063†	2.750	—	—	5.500†
16	28	1.750	.458†	.688†	.917†	1.100†	1.375	1.833	2.200	2.750	—	4.400*	5.500	—
20	35	1.750	—	—	—	1.375	—	—	2.750	—	—	5.500	—	—
24	42	1.750	—	—	1.375†	—	—	2.750	3.300†	4.125†	5.500	—	8.250†	11.000†
32	56	1.750	.917†	1.375†	1.833†	—	2.750	3.667†	—	5.500	—	—	11.000	—
40	70	1.750	—	1.719†	2.292†	2.750	—	—	5.500	—	—	11.000	—	—
48	84	1.750	1.375†	—	2.750†	3.300†	4.125†	5.500	6.600†	8.250†	11.000	—	16.500†	22.000†
25	44	1.760	—	1.078†	1.438†	—	—	2.875†	—	—	—	—	—	—
17	30	1.765	—	—	.979†	1.175†	1.469†	1.958†	2.350†	2.938†	—	—	—	—
34	60	1.765	—	—	—	—	2.938†	3.917†	—	—	—	—	—	—
13	23	1.769	—	—	.750†	.900†	1.125†	1.500†	—	—	—	—	—	—
22	39	1.773	—	—	1.271†	—	—	—	—	—	—	—	—	—
44	78	1.773	—	—	—	—	—	5.083†	—	—	—	—	—	—
18	32	1.778	.521†	.781†	1.042†	1.250†	1.563	2.083†	2.500†	3.125	4.167†	—	6.250	—
27	48	1.778	—	—	1.563†	—	—	—	—	—	6.250	—	—	—
36	64	1.778	—	1.563†	2.083†	2.500†	3.125	4.167†	5.000†	6.250	8.333†	—	12.500	—
45	80	1.778	—	—	—	3.125	—	—	6.250	—	—	12.500	—	—
14	25	1.786	—	.609†	.813†	.975	—	1.625†	1.950	—	—	3.900	—	—
28	50	1.786	—	1.219†	—	1.950†	—	—	3.900	—	—	7.800†	—	—
42	75	1.786	—	—	—	—	—	—	5.850†	—	—	—	—	—
19	34	1.789	—	—	—	—	1.656†	2.208†	—	—	—	—	—	—
38	68	1.789	—	—	—	—	3.313†	—	—	—	—	—	—	—
39	70	1.795	—	—	2.271†	—	—	—	—	—	—	—	—	—
15	27	1.800	—	—	.875†	—	—	—	—	—	3.500	—	—	—
20	36	1.800	.583†	.875†	1.167†	1.400†	1.750	2.333	2.800†	3.500	4.667†	—	7.000	9.333†
25	45	1.800	—	—	1.458†	1.750	—	—	3.500	—	—	7.000	—	—
30	54	1.800	—	—	1.750†	—	2.625†	3.500	4.200†	5.250†	7.000	—	10.500†	14.000†
40	72	1.800	1.167†	1.750†	2.333†	2.800†	3.500	4.667†	5.600†	7.000	9.333†	—	14.000	—
36	65	1.806	—	—	—	—	—	—	5.050†	—	—	—	—	—
21	38	1.810	—	—	—	—	1.844†	2.458†	2.950†	—	—	—	—	—
42	76	1.810	—	—	—	—	—	—	—	7.375†	—	—	—	—
11	20	1.818	.323†	.484†	.646†	.800†	1.000†	1.333†	1.600†	2.000†	2.667†	3.200†	4.000†	5.333†
22	40	1.818	.646†	.969†	1.292†	1.550†	1.938†	2.583†	3.100†	3.875	—	—	7.750†	—
33	60	1.818	—	—	1.938†	—	—	—	—	—	7.750	—	—	—
44	80	1.818	1.292†	1.938†	—	—	3.875†	—	—	7.750	—	—	15.500	—
23	42	1.826	—	—	1.354†	—	—	2.708†	—	—	—	—	—	—
35	64	1.829	—	—	—	2.475†	—	—	4.950†	—	—	—	—	—
12	22	1.833	.354†	.531†	.708†	.850†	1.063†	1.417†	1.700†	2.125	—	—	4.250†	—
18	33	1.833	—	—	1.063†	—	—	—	—	—	4.250	—	—	—
24	44	1.833	.708†	1.063†	1.417†	—	2.125†	2.833†	—	4.250	—	—	8.500	—
30	55	1.833	—	—	—	2.125†	—	—	4.2500	—	—	8.500†	—	—
36	66	1.833	1.063†	—	2.125†	—	—	4.250	—	—	8.500	—	—	—
19	35	1.842	—	—	—	1.350†	—	—	2.700†	—	—	—	—	—
38	70	1.842	—	—	—	—	—	—	5.400†	—	—	—	—	—
13	24	1.846	—	.578†	.771†	.925†	1.156†	1.542	1.850†	2.313†	—	—	—	—
26	48	1.846	.771†	1.156†	1.542†	—	2.313†	3.083†	3.700†	4.625†	—	—	—	—
39	72	1.846	—	—	2.313†	—	—	—	—	—	—	—	—	—
14	26	1.857	.417†	.625†	.833†	—	1.250†	1.667†	2.000†	2.500†	—	—	—	—
21	39	1.857	—	—	1.250†	—	—	—	—	—	—	—	—	—
28	52	1.857	.833†	1.250†	—	—	2.500†	—	—	5.000†	—	—	—	—
35	65	1.857	—	—	—	—	—	—	5.000†	—	—	—	—	—
42	78	1.857	—	—	—	—	—	5.000†	—	—	—	—	—	—
15	28	1.867	.448†	.672†	.896†	1.075†	1.344	1.792	2.150	2.688	—	4.300*	5.375	—
30	56	1.867	—	1.344†	1.792†	—	2.688	3.583†	—	5.375†	—	—	10.750†	—
45	84	1.867	—	—	2.688†	3.225	—	—	6.450†	—	—	—	—	—
16	30	1.875	—	.719†	.958†	1.150	1.438	1.917	2.300	2.875†	3.833†	4.600	5.750†	7.667†
24	45	1.875	—	—	1.438†	1.725	—	—	3.450	—	—	6.900	—	—
32	60	1.875	.958†	1.438†	1.917†	2.300†	2.875	3.833†	4.600†	5.750	7.667†	—	11.500	—
40	75	1.875	—	1.797†	—	2.875†	—	—	5.750†	—	—	—	—	—
17	32	1.882	—	—	1.021†	1.225†	1.531†	2.042†	2.450†	3.063†	—	—	—	—
34	64	1.882	—	—	—	—	3.063†	4.083†	—	—	—	—	—	—
18	34	1.889	—	—	—	—	1.625†	2.167†	—	—	—	—	—	—
36	68	1.889	—	—	—	—	3.250†	—	—	6.500†	—	—	—	—
19	36	1.895	—	—	1.146†	1.375†	1.719†	2.292†	2.750†	3.438†	—	—	—	—
38	72	1.895	—	—	—	—	3.438†	4.583†	5.500†	—	—	—	—	—
20	38	1.900	—	—	—	—	1.813†	2.417†	2.900†	—	—	—	—	—
40	76	1.900	—	—	—	—	—	—	—	7.250†	—	—	—	—
21	40	1.905	—	—	1.271†	1.525†	1.906†	2.542†	3.050†	3.813†	5.083†	—	—	—
42	80	1.905	—	—	—	—	—	—	6.100†	7.625†	—	—	15.250†	—

† = 14 1/2° only * = 20° only.

⚠WARNING **See Table No. 2, Page F-49 for Minimum Recommended Gear Sizes.**

Table No. 1

RATIO AND CENTER DISTANCE — SPUR GEARS

1.909-2.160 RATIO

GEAR COMBINATIONS No. Teeth		RATIO	CENTER DISTANCE Diametral Pitch											
Driver	Driven		48	32	24	20	16	12	10	8	6	5	4	3
11	21	1.909	—	—	.667†	.825†	1.031†	1.375†	1.650†	2.063†	2.750†	—	—	5.500†
22	42	1.909	—	—	1.333†	—	—	2.667†	3.200†	4.000†	—	—	8.000†	—
44	84	1.909	1.333†	—	2.667†	—	4.000†	5.333†	—	8.000†	—	—	16.000†	—
23	44	1.913	—	—	1.396†	—	2.094†	2.792†	—	—	—	—	—	—
12	23	1.917	—	—	.729†	.875†	1.094†	1.458†	—	—	—	—	—	—
25	48	1.920	—	1.141†	1.521†	1.825†	—	3.042†	3.650	—	—	—	—	—
13	25	1.923	—	.594†	.792†	.950†	—	1.583†	1.900†	—	—	—	—	—
26	50	1.923	—	1.188†	—	—	—	—	3.800†	—	—	—	—	—
14	27	1.929	—	—	.854†	—	—	—	—	—	3.417	—	—	—
28	54	1.929	.854†	—	1.708†	—	2.563†	3.417	4.100†	5.125†	—	—	10.250†	—
33	64	1.939	—	—	2.021†	—	—	—	—	—	8.083†	—	—	—
17	33	1.941	—	—	1.042†	—	—	—	—	—	—	—	—	—
34	66	1.941	—	—	—	—	—	4.167†	—	—	—	—	—	—
18	35	1.944	—	—	—	1.325	—	—	2.650	—	—	5.300	—	—
36	70	1.944	—	1.656†	2.208†	2.650†	—	—	5.300†	—	—	—	—	—
20	39	1.950	—	—	1.229†	—	—	—	—	—	—	—	—	—
40	78	1.950	—	—	—	—	—	4.917†	—	—	—	—	—	—
23	45	1.957	—	—	1.417†	1.700†	—	—	—	—	—	—	—	—
28	55	1.964	—	—	—	2.075†	—	—	4.150	—	—	—	—	—
38	75	1.974	—	—	—	—	—	—	5.650†	—	—	—	—	—
11	22	2.000	.344†	.516†	.688†	.850†	1.063†	1.417†	1.700†	2.125†	—	—	4.250†	—
12	24	2.000	.375†	.563†	.750†	.900	1.125	1.500	1.800	2.250	3.000	3.600	4.500	6.000†
13	26	2.000	—	.609†	.813†	—	1.219†	1.625†	1.950†	2.438†	—	—	—	—
14	28	2.000	.438†	.656†	.875†	1.050†	1.313	1.750	2.100	2.625	—	4.200*	5.250	—
15	30	2.000	—	.703†	.938†	1.125	1.406	1.875	2.250	2.813†	3.750	4.500	5.625†	7.500†
16	32	2.000	.500†	.750†	1.000†	1.200†	1.500	2.000†	2.400†	3.000	4.000†	—	6.000	—
17	34	2.000	—	—	—	—	1.594†	2.125†	—	—	—	—	—	—
18	36	2.000	.563†	.844†	1.125†	1.350†	1.688	2.250	2.700†	3.375	4.500	—	6.750	9.000†
19	38	2.000	—	—	—	—	1.781†	2.375†	2.850†	—	—	—	—	—
20	40	2.000	.625†	.938†	1.250†	1.500	1.875	2.500†	3.000	3.750	5.000†	6.000	7.500	—
21	42	2.000	—	—	1.313†	—	—	2.625	3.150†	3.938†	5.250	—	—	10.500†
22	44	2.000	.688†	1.031†	1.375†	—	2.063†	2.750†	—	4.125	—	—	8.250†	
24	48	2.000	.750†	1.125†	1.500†	1.800†	2.250	3.000	3.600	4.500	6.000	—	9.000	12.000†
25	50	2.000	—	1.172†	—	1.875	—	—	3.750	—	—	7.500	—	—
26	52	2.000	.813†	1.219†	—	—	2.438†	—	—	4.875†	—	—	—	—
27	54	2.000	—	—	1.688†	—	—	—	—	—	6.750	—	—	—
28	56	2.000	.875†	1.313†	1.750†	—	2.625	3.500†	—	5.250	—	—	10.500	—
30	60	2.000	—	1.406†	1.875†	2.250	2.813	3.750	4.500	5.625†	7.500	9.000	11.250†	15.000†
32	64	2.000	—	1.500†	2.000†	2.400†	3.000	4.000†	4.800†	6.000	8.000†	—	12.000	—
33	66	2.000	—	—	2.063†	—	—	—	—	—	8.250	—	—	—
34	68	2.000	—	—	—	—	3.188†	—	—	—	—	—	—	—
35	70	2.000	—	—	—	2.625	—	—	5.250	—	—	10.500	—	—
36	72	2.000	1.125†	1.688†	2.250†	2.700†	3.375	4.500	5.400†	6.750	9.000	—	13.500	18.000†
40	80	2.000	1.250†	1.875†	—	3.000	3.750	—	6.000	7.500	—	12.000	15.000	—
42	84	2.000	—	—	2.625†	—	—	5.250	6.300†	7.875†	10.500	—	15.750†	21.000
32	65	2.031	—	—	—	—	—	—	4.850†	—	—	—	—	—
22	45	2.045	—	—	1.396†	1.675†	—	—	3.350†	—	—	—	—	—
19	39	2.053	—	—	1.208†	—	—	—	—	—	—	—	—	—
38	78	2.053	—	—	—	—	—	4.833†	—	—	—	—	—	—
35	72	2.057	—	—	—	2.675†	—	—	5.350†	—	—	—	—	—
17	35	2.059	—	—	—	1.300†	—	—	2.600†	—	—	—	—	—
16	33	2.063	—	—	1.021†	—	—	—	—	—	4.083	—	—	—
32	66	2.063	1.021†	—	2.042†	—	—	4.083†	—	—	8.167†	—	—	—
27	56	2.074	—	—	1.729†	—	—	—	—	—	—	—	—	—
13	27	2.077	—	—	.833†	—	—	—	—	—	—	—	—	—
26	54	2.077	.833†	—	1.667†	—	2.500†	3.333†	4.000†	5.000†	—	—	—	—
25	52	2.080	—	1.203†	—	—	—	—	—	—	—	—	—	—
12	25	2.083	—	.578†	.771†	.925	—	1.542†	1.850	—	—	3.700	—	—
24	50	2.083	—	1.156†	—	1.850	—	—	3.700	—	—	7.400	—	—
36	75	2.083	—	1.734†	—	2.775†	—	—	5.500†	—	—	—	—	—
23	48	2.087	—	—	1.479†	1.775†	2.219†	2.958†	—	—	—	—	—	—
11	23	2.091	—	—	.708†	.850†	1.063†	1.417†	—	—	—	—	—	—
21	44	2.095	—	—	1.354†	—	2.031†	2.708†	—	4.063†	—	—	—	—
20	42	2.100	—	—	1.292†	—	—	2.583	3.100†	3.875†	5.167†	—	7.750†	10.333†
40	84	2.100	1.292†	—	2.583†	3.100	3.875†	5.167†	6.200†	7.750†	10.333†	—	15.500†	—
19	40	2.105	—	—	1.229†	1.475†	1.844†	2.458†	2.950†	3.688†	—	—	—	—
38	80	2.105	—	—	—	—	3.688†	—	5.900†	—	—	—	—	—
18	38	2.111	—	—	—	—	1.750†	2.333†	2.800†		—	—	—	—
36	76	2.111	—	—	—	—	—	—	—	7.000†	—	—	—	—
26	55	2.115	—	—	—	—	—	—	4.050†	—	—	—	—	—
17	36	2.118	—	—	1.104†	1.325†	1.656†	2.208†	2.650†	3.313†	—	—	—	—
34	72	2.118	—	—	—	—	3.313†	4.417†	—	—	—	—	—	—
33	70	2.121	—	—	2.146†	—	—	—	—	—	—	—	—	—
16	34	2.125	—	—	—	—	1.563†	2.083†	—	—	—	—	—	—
32	68	2.125	—	—	—	—	3.125†	—	—	6.250†	—	—	—	—
15	32	2.133	.490†	.734†	.979†	1.175†	1.469	1.958†	2.350†	2.938	3.917†	—	5.875	—
30	64	2.133	—	1.469†	1.958†	2.350†	2.938	3.917†	4.700†	5.875†	7.833†	—	11.750†	—
14	30	2.143	—	.688†	.917†	1.100	1.375	1.833	2.200	2.750†	3.667	4.400	5.500†	7.333†
21	45	2.143	—	—	1.375†	1.650†	—	—	3.300†	—	—	—	—	—
28	60	2.143	.917†	1.375†	1.833†	2.200†	2.750	3.667	4.400	5.500	—	8.800*	11.000	—
35	75	2.143	—	—	—	2.750†	—	—	5.500†	—	—	—	—	—
13	28	2.154	—	.641†	.854†	1.025†	1.281†	1.708	2.050†	2.563†	—	—	—	—
26	56	2.154	.854†	1.281†	1.708†	—	2.563†	3.417†	—	5.125†	—	—	—	—
39	84	2.154	—	—	2.563†	—	—	—	—	—	—	—	—	—
25	54	2.160	—	—	1.646†	—	—	3.292†	3.950†	—	—	—	—	—

†= 14 1/2° only * = 20° only.

F

2.167-2.500 RATIO

Table No. 1

RATIO AND CENTER DISTANCE — SPUR GEARS

GEAR COMBINATIONS No. Teeth		RATIO	CENTER DISTANCE Diametral Pitch											
Driver	Driven		48	32	24	20	16	12	10	8	6	5	4	3
12	26	2.167	.396†	.594†	.792†	—	1.188†	1.583†	1.900†	2.375†	—	—	—	—
18	39	2.167	—	—	1.188†	—	—	—	—	—	—	—	—	—
24	52	2.167	.792†	1.188†	—	—	2.375†	—	—	4.750†	—	—	—	—
30	65	2.167	—	—	—	—	—	—	4.750†	—	—	—	—	—
36	78	2.167	—	—	—	—	—	4.750†	—	—	—	—	—	—
23	50	2.174	—	—	—	1.825†	—	—	—	—	—	—	—	—
11	24	2.182	.365†	.547†	.729†	.900†	1.125†	1.500†	1.800†	2.250†	3.000†	3.600†	4.500†	6.000†
22	48	2.182	.729†	1.094†	1.458†	1.750†	2.188†	2.917†	3.500†	4.375	—	—	8.750†	—
33	72	2.182	—	—	2.188†	—	—	—	—	—	8.750	—	—	—
16	35	2.188	—	—	—	1.275	—	—	2.550	—	—	5.100	—	—
32	70	2.188	—	1.594†	2.125†	2.550†	—	—	5.100†	—	—	—	—	—
15	33	2.200	—	—	1.000†	—	—	—	—	—	4.000	—	—	—
20	44	2.200	.667†	1.000†	1.333†	—	2.000†	2.667†	—	4.000	—	—	8.000	—
25	55	2.200	—	—	—	2.000†	—	—	4.000	—	—	8.000†	—	—
30	66	2.200	—	—	2.000†	—	—	4.000	—	—	8.000	—	—	—
19	42	2.211	—	—	1.271†	—	—	2.542†	3.050†	3.813†	—	—	—	—
38	84	2.211	—	—	—	—	3.813†	5.083†	6.100†	—	—	—	—	—
18	40	2.222	.604†	.906†	1.208†	1.450	1.813	2.417†	2.900	3.625	4.833†	5.800	7.250	—
27	60	2.222	—	—	1.813†	—	—	—	—	—	7.250	—	—	—
36	80	2.222	1.208†	1.813†	—	2.900†	3.625	—	5.800†	7.250	—	—	14.500	—
17	38	2.235	—	—	—	—	1.719†	2.292†	2.750†	—	—	—	—	—
25	56	2.240	—	1.266†	1.688†	—	—	3.375†	—	—	—	—	—	—
12	27	2.250	—	—	.813†	—	—	—	—	—	3.250	—	—	—
16	36	2.250	.542†	.813†	1.083†	1.300†	1.625	2.167	2.600†	3.250	4.333	—	6.500	8.667†
20	45	2.250	—	—	1.354†	1.625	—	—	3.250	—	—	6.500	—	—
24	54	2.250	.813†	—	1.625†	—	2.438†	3.250	3.900†	4.875†	6.500	—	9.750†	13.000†
32	72	2.250	1.083†	1.625†	2.167†	2.600†	3.250	4.333†	5.200†	6.500	8.667†	—	13.000	—
23	52	2.261	—	—	—	—	2.344†	—	—	—	—	—	—	—
15	34	2.267	—	—	—	—	1.531†	2.042†	—	—	—	—	—	—
30	68	2.267	—	—	—	—	3.063†	—	—	6.125†	—	—	—	—
11	25	2.273	—	.563†	.750†	.925†	—	1.542†	1.850†	—	—	3.700†	—	—
22	50	2.273	—	1.125†	—	1.800†	—	—	3.600†	—	—	—	—	—
14	32	2.286	.479†	.719†	.958†	1.150†	1.438	1.917†	2.300†	2.875	3.833†	—	5.750	—
21	48	2.286	—	—	1.438†	1.725†	2.156	2.875	3.450†	4.313†	5.750	—	—	11.500†
28	64	2.286	—	1.438†	1.917†	2.300†	2.875	3.833†	4.600†	5.750	—	—	11.500	—
35	80	2.286	—	—	—	2.875	—	—	5.750	—	—	11.500	—	—
24	55	2.292	—	—	—	1.975†	—	—	3.950	—	—	7.900†	—	—
17	39	2.294	—	—	1.167†	—	—	—	—	—	—	—	—	—
34	78	2.294	—	—	—	—	—	4.667†	—	—	—	—	—	—
13	30	2.308	—	.672†	.896†	1.075†	1.344†	1.792	2.150†	2.688†	—	—	—	—
26	60	2.308	.896†	1.344†	1.792†	—	2.688†	3.583†	4.300†	5.375†	—	—	—	—
19	44	2.316	—	—	1.313†	—	1.969†	2.625†	—	3.938†	—	—	—	—
28	65	2.321	—	—	—	—	—	—	4.650†	—	—	—	—	—
12	28	2.333	.417†	.625†	.833†	1.000†	1.250	1.667	2.000	2.500	—	4.000*	5.000	—
15	35	2.333	—	—	—	1.250	—	—	2.500	—	—	5.000	—	—
18	42	2.333	—	—	1.250†	—	—	2.500	3.000†	3.750†	5.000	—	7.500†	10.000†
24	56	2.333	.833†	1.250†	1.667†	—	2.500	3.333†	—	5.000	—	—	10.000	—
30	70	2.333	—	1.563†	2.083†	2.500	—	—	5.000	—	—	10.000	—	—
36	84	2.333	1.250†	—	2.500†	3.000†	3.750†	5.000	6.000†	7.500†	10.000	—	15.000†	20.000†
32	75	2.344	—	1.672†	—	2.675†	—	—	5.350*	—	—	—	—	—
23	54	2.348	—	—	1.604†	—	2.406†	3.208†	—	—	—	—	—	—
17	40	2.353	—	—	1.888†	1.425†	1.781†	2.375†	2.850†	3.563†	—	—	—	—
34	80	2.358	—	—	—	—	3.563†	—	—	—	—	—	—	—
14	33	2.357	—	—	.979†	—	—	—	—	—	3.917	—	—	—
28	66	2.357	.979†	—	1.958†	—	—	3.917	—	—	—	—	—	—
11	26	2.364	.385†	.578†	.771†	—	1.188†	1.583†	1.900†	2.375†	—	—	—	—
22	52	2.364	.771†	1.156†	—	—	2.313†	—	—	4.625†	—	—	—	—
19	45	2.368	—	—	1.333†	1.600†	—	—	3.200†	—	—	—	—	—
27	64	2.370	—	—	1.896†	—	—	—	—	—	7.583†	—	—	—
16	38	2.375	—	—	—	—	1.688†	2.250†	2.700†	—	—	—	—	—
32	76	2.375	—	—	—	—	—	—	—	6.750†	—	—	—	—
21	50	2.381	—	—	—	1.775†	—	—	3.550†	—	—	—	—	—
23	55	2.391	—	—	—	1.950†	—	—	—	—	—	—	—	—
15	36	2.400	.531†	.797†	1.063†	1.275†	1.594	2.125	2.550†	3.188	4.250	—	6.375	8.500†
20	48	2.400	.708†	1.063†	1.417†	1.700†	2.125	2.833	3.400	4.250	5.667†	—	8.500	11.333†
25	60	2.400	—	1.328†	1.771†	2.125	—	3.542†	4.250	—	—	8.500	—	—
30	72	2.400	—	1.594†	2.125†	2.550†	3.188	4.250	5.100†	6.375†	8.500	—	12.750†	17.000†
35	84	2.400	—	—	—	2.975	—	—	5.950†	—	—	—	—	—
14	34	2.429	—	—	—	—	1.500†	2.000†	—	—	—	—	—	—
28	68	2.429	—	—	—	—	3.000†	—	—	6.000†	—	—	—	—
23	56	2.435	—	—	1.646†	—	2.469	3.292†	—	—	—	—	—	—
16	39	2.438	—	—	1.146†	—	—	—	—	—	—	—	—	—
32	78	2.438	—	—	—	—	—	4.583†	—	—	—	—	—	—
18	44	2.444	.646†	.969†	1.292†	—	1.938†	2.583†	—	3.875	—	—	7.750	—
27	66	2.444	—	—	1.938†	—	—	—	—	—	7.750	—	—	—
11	27	2.455	—	—	.792†	—	—	—	—	—	3.250†	—	—	—
22	54	2.455	.792†	—	1.583†	—	2.375†	3.167†	3.800†	4.750†	—	—	9.500†	—
13	32	2.462	—	.703†	.938†	1.125†	1.406†	1.875†	2.250†	2.813†	—	—	—	—
26	64	2.462	—	1.406†	1.875†	—	2.813†	3.750†	4.500†	5.625†	—	—	—	—
17	42	2.471	—	—	1.229†	—	—	2.458†	2.950†	3.688†	—	—	—	—
34	84	2.471	—	—	—	—	3.688†	4.917†	—	—	—	—	—	—
21	52	2.476	—	—	—	—	2.281†	—	—	4.563†	—	—	—	—
12	30	2.500	—	.656†	.875†	1.050	1.313	1.750	2.100	2.625†	3.500	4.200	5.250†	7.000†
14	35	2.500	—	—	—	1.225	—	—	2.450	—	—	4.900	—	—
16	40	2.500	.583†	.875†	1.167†	1.400	1.750	2.333†	2.800	3.500	4.667†	5.600	7.000	—

† = 14 1/2° only * = 20° only.

WARNING See Table No. 2, Page F-49 for Minimum Recommended Gear Sizes.

Table No. 1

RATIO AND CENTER DISTANCE — SPUR GEARS

2.500-2.923 RATIO

GEAR COMBINATIONS No. Teeth		RATIO	CENTER DISTANCE Diametral Pitch											
Driver	Driven		48	32	24	20	16	12	10	8	6	5	4	3
18	45	2.500	—	—	1.313†	1.575	—	—	3.150	—	—	6.300	—	—
20	50	2.500	—	1.094†	—	1.750	—	—	3.500	—	—	7.000	—	—
22	55	2.500	—	—	—	1.925†	—	—	3.850†	—	—	—	—	—
24	60	2.500	.875†	1.313†	1.750†	2.100	2.625	3.500	4.200	5.250	7.000	8.400	10.500	14.000†
26	65	2.500	—	—	—	—	—	—	4.550†	—	—	—	—	—
28	70	2.500	—	1.531†	2.042†	2.450†	—	—	4.900	—	—	9.800*	—	—
30	75	2.500	—	1.641†	—	2.625†	—	—	5.250†	—	—	—	—	—
32	80	2.500	1.167†	1.750†	—	2.800†	3.500	—	5.600†	7.000	—	—	14.000	—
19	48	2.526	—	—	1.396†	1.675†	2.094†	2.792†	3.350†	4.188†	—	—	—	—
15	38	2.533	—	—	—	—	1.636†	2.208†	2.650†	—	—	—	—	—
30	76	2.533	—	—	—	—	—	—	—	6.625†	—	—	—	—
13	33	2.538	—	—	.958†	—	—	—	—	—	—	—	—	—
26	66	2.538	.958†	—	1.917†	—	—	3.833†	—	—	—	—	—	—
11	28	2.545	.406†	.609†	.813†	1.000†	1.250†	1.667†	2.000†	2.500†	—	—	5.000†	—
22	56	2.545	.813†	1.219†	1.625†	—	2.438†	3.250†	—	4.875	—	—	9.750†	—
33	84	2.545	—	—	2.438†	—	—	—	—	—	9.750	—	—	—
25	64	2.560	—	1.391†	1.854†	2.225†	—	3.708†	4.500†	—	—	—	—	—
14	36	2.571	.521†	.781†	1.042†	1.250†	1.563	2.083	2.500†	3.125	4.167	—	6.250	8.333†
21	54	2.571	—	—	1.563†	—	2.344†	3.125	3.750†	4.688†	6.250	—	—	12.500†
28	72	2.571	1.042†	1.563†	2.083†	2.500†	3.125	4.167	5.000†	6.250	—	—	12.500	—
17	44	2.588	—	—	1.271†	—	1.906†	2.542†	—	3.813†	—	—	—	—
27	70	2.593	—	—	2.021†	—	—	—	—	—	—	—	—	—
15	39	2.600	—	—	1.125†	—	—	—	—	—	—	—	—	—
20	52	2.600	.750†	1.125†	—	—	2.250†	—	—	4.500†	—	—	—	—
25	65	2.600	—	—	—	—	—	—	4.500†	—	—	—	—	—
30	78	2.600	—	—	—	—	—	4.500†	—	—	—	—	—	—
23	60	2.609	—	—	1.729†	2.075†	2.594†	3.458†	—	—	—	—	—	—
13	34	2.615	—	—	—	—	1.469†	1.958†	—	—	—	—	—	—
26	68	2.615	—	—	—	—	2.938†	—	—	5.875†	—	—	—	—
21	55	2.619	—	—	—	1.900†	—	—	3.800†	—	—	—	—	—
16	42	2.625	—	—	1.208†	—	—	2.417	2.900†	3.625†	4.833	—	7.250†	9.667†
32	84	2.625	1.208†	—	2.417†	2.900†	3.625†	4.833†	5.800†	7.250†	9.667†	—	14.500†	—
19	50	2.632	—	—	—	1.725†	—	—	3.450†	—	—	—	—	—
25	66	2.640	—	—	1.896†	—	—	3.792†	—	—	—	—	—	—
17	45	2.647	—	—	1.292†	1.550†	—	—	3.100†	—	—	—	—	—
12	32	2.667	.458†	.688†	.917†	1.100†	1.375	1.833†	2.200†	2.750	3.667†	—	5.500	—
15	40	2.667	.573†	.859†	1.146†	1.375	1.719	2.292†	2.750	3.438	4.583†	5.500	6.875	—
18	48	2.667	.688†	1.031†	1.375†	1.650†	2.063	2.750	3.300	4.125	5.500	—	8.250	11.000†
21	56	2.667	—	—	1.604†	—	2.406†	3.208†	—	4.813†	—	—	—	—
24	64	2.667	—	1.375†	1.833†	2.200†	2.750	3.667†	4.400†	5.500	7.333†	—	11.000	—
27	72	2.667	—	—	2.063†	—	—	—	—	—	8.250	—	—	—
30	80	2.667	—	1.719†	—	2.750	3.438	—	5.500	6.875†	—	11.000	13.750†	—
28	75	2.679	—	1.609†	—	2.575†	—	—	5.150†	—	—	—	—	—
13	35	2.692	—	—	—	1.200†	—	—	2.400†	—	—	—	—	—
26	70	2.692	—	1.500†	2.000†	—	—	—	4.800†	—	—	—	—	—
20	54	2.700	.771†	—	1.542†	—	2.313†	3.083	3.700†	4.625†	6.167†	—	9.250†	12.333†
24	65	2.708	—	—	—	—	—	—	4.450†	—	—	—	—	—
14	38	2.714	—	—	—	—	1.625†	2.167†	2.600†	—	—	—	—	—
28	76	2.714	—	—	—	—	—	—	—	6.500†	—	—	—	—
11	30	2.727	—	.641†	.854†	1.050†	1.313†	1.750†	2.100†	2.625†	3.500†	4.200†	5.250†	7.000†
22	60	2.727	.854†	1.281†	1.708†	2.050†	2.563†	3.417†	4.100†	5.125	—	—	10.250†	—
19	52	2.737	—	—	—	—	2.219†	—	—	4.438†	—	—	—	—
12	33	2.750	—	—	.938†	—	—	—	—	—	3.750	—	—	—
16	44	2.750	.625†	.938†	1.250†	—	1.875†	2.500†	—	3.750	—	—	7.500	—
20	55	2.750	—	—	—	1.875†	—	—	3.750	—	—	7.500†	—	—
24	66	2.750	.938†	—	1.875†	—	—	3.750	—	—	7.500	—	—	—
13	36	2.769	—	.766†	1.021†	1.225†	1.531†	2.042	2.450†	3.063†	—	—	—	—
26	72	2.769	1.021†	1.531†	2.042†	—	3.063†	4.083†	4.900†	6.125†	—	—	—	—
18	50	2.778	—	1.063†	—	1.700	—	—	3.400	—	—	6.800	—	—
23	64	2.783	—	—	1.183†	2.175†	2.719†	3.625†	—	—	—	—	—	—
14	39	2.786	—	—	1.104†	—	—	—	—	—	—	—	—	—
28	78	2.786	—	—	—	—	—	4.417†	—	—	—	—	—	—
15	42	2.800	—	—	1.188†	—	—	2.375	2.850†	3.563†	4.750	—	7.125†	9.500†
20	56	2.800	.792†	1.188†	1.583†	—	2.375	3.167†	—	4.75	—	—	9.500	—
25	70	2.800	—	1.484†	1.979†	2.375	—	—	4.750	—	—	9.500	—	—
30	84	2.800	—	—	2.375†	2.850	3.563†	4.750	5.700†	7.125†	9.500	—	14.250†	19.000†
16	45	2.813	—	—	1.271†	1.525	—	—	3.050	—	—	6.100	—	—
17	48	2.824	—	—	1.354†	1.625†	2.031†	2.708†	3.250†	4.063†	—	—	—	—
12	34	2.833	—	—	—	—	1.438†	1.917†	—	—	—	—	—	—
24	68	2.833	—	—	—	—	2.875†	—	—	5.750†	—	—	—	—
19	54	2.842	—	—	1.521†	—	2.281†	3.042†	3.650†	4.563†	—	—	—	—
14	40	2.857	.563†	.844†	1.125†	1.350	1.688	2.250†	2.700	3.375	4.500†	5.400	6.750	—
21	60	2.857	—	—	1.688†	2.025†	2.531†	3.375	4.050†	5.063†	6.750	—	—	13.500†
28	80	2.857	1.125†	1.688†	—	2.700†	3.375	—	5.400	6.750	—	10.800*	13.500	—
23	66	2.870	—	—	1.854†	—	—	3.708†	—	—	—	—	—	—
25	72	2.880	—	1.516†	2.021†	2.425†	—	4.042†	4.850†	—	—	—	—	—
26	75	2.885	—	1.578†	—	—	—	—	5.050†	—	—	—	—	—
18	52	2.889	.729†	1.094†	—	—	2.188†	—	—	4.375†	—	—	—	—
19	55	2.895	—	—	—	1.850†	—	—	3.700†	—	—	—	—	—
11	32	2.909	.448†	.672†	.896†	1.100†	1.375†	1.833†	2.200†	2.750†	3.667†	—	5.500†	—
22	64	2.909	—	1.344†	1.792†	2.150†	2.688†	3.583†	4.300†	5.375	—	—	10.750†	—
12	35	2.917	—	—	—	1.175	—	—	2.350	—	—	4.700	—	—
24	70	2.917	—	1.469†	1.958†	2.350	—	—	4.700	—	—	9.400	—	—
13	38	2.923	—	—	—	—	1.594†	2.125†	2.550†	—	—	—	—	—
26	76	2.923	—	—	—	—	—	—	—	6.375†	—	—	—	—

† = 14 1/2° only * = 20° only.

F

2.933-3.529 RATIO Table No. 1

RATIO AND CENTER DISTANCE — SPUR GEARS

GEAR COMBINATIONS No. Teeth		RATIO	CENTER DISTANCE Diametral Pitch											
Driver	Driven		48	32	24	20	16	12	10	8	6	5	4	3
15	44	2.933	.615†	.922†	1.229†	—	1.844†	2.458†	—	3.688	—	—	7.375	—
17	50	2.941	—	—	—	1.675†	—	—	3.350†	—	—	—	—	—
19	56	2.947	—	—	1.563†	—	2.344†	3.125	—	4.688†	—	—	—	—
22	65	2.955	—	—	—	—	—	—	4.350†	—	—	—	—	—
23	68	2.957	—	—	—	—	2.844†	—	—	—	—	—	—	—
11	33	3.000	—	—	.917†	—	—	—	—	—	3.750†	—	—	—
12	36	3.000	.500†	.750†	1.000†	1.200†	1.500	2.000	2.400†	3.000	4.000	—	6.000	8.000†
13	39	3.000	—	—	1.083†	—	—	—	—	—	—	—	—	—
14	42	3.000	—	—	1.167†	—	—	2.333	2.800†	3.500†	4.667	—	7.000†	9.333†
15	45	3.000	—	—	1.250†	1.500	—	—	3.000	—	—	6.000	—	—
16	48	3.000	.667†	1.000†	1.333†	1.600†	2.000	2.667	3.200	4.000	5.333	—	8.000	10.667†
18	54	3.000	.750†	—	.1.500†	—	2.250†	3.000	3.600†	4.500†	6.000	—	9.000†	12.000†
20	60	3.000	.833†	1.250†	1.667†	2.000	2.500	3.333	4.000	5.000	6.667†	8.000	10.000	13.333†
22	66	3.000	.917†	—	1.833†	—	—	3.667†	—	—	—	—	—	—
24	72	3.000	1.000†	1.500†	2.000†	2.400†	3.000	4.000	4.800†	6.000	8.000	—	12.000	16.000†
25	75	3.000	—	1.563†	—	2.500†	—	—	5.000†	—	—	—	—	—
26	78	3.000	—	—	—	—	—	4.333†	—	—	—	—	—	—
28	84	3.000	1.167†	—	2.333†	2.800†	3.500†	4.667	5.600†	7.000†	—	—	14.000†	—
23	70	3.043	—	—	1.938†	2.325†	—	—	—	—	—	—	—	—
21	64	3.048	—	—	1.771†	2.125†	2.656†	3.542†	4.250†	5.313†	7.083†	—	—	—
18	55	3.056	—	—	—	1.825†	—	—	3.650	—	—	7.300†	—	—
17	52	3.059	—	—	—	—	2.156†	—	—	4.313†	—	—	—	—
13	40	3.077	—	.828†	1.104†	1.325†	1.656†	2.208†	2.650†	3.313†	—	—	—	—
26	80	3.077	1.104†	1.656†	—	—	3.313†	—	5.300†	6.625†	—	—	—	—
11	34	3.091	—	—	—	—	1.406†	1.875†	—	—	—	—	—	—
22	68	3.091	—	—	—	—	2.813†	—	—	5.625†	—	—	—	—
21	65	3.095	—	—	—	—	—	—	4.300†	—	—	—	—	—
18	56	3.111	.771†	1.156†	1.542†	—	2.313	3.083†	—	4.625	—	—	9.250	—
27	84	3.111	—	—	2.313†	—	—	—	—	—	9.250	—	—	—
25	78	3.120	—	—	—	—	—	4.292†	—	—	—	—	—	—
16	50	3.125	—	1.031†	—	1.650	—	—	3.300	—	—	6.600	—	—
24	75	3.125	—	1.547†	—	2.475†	—	—	4.950†	—	—	—	—	—
23	72	3.130	—	—	1.979†	2.375†	2.969†	3.958†	—	—	—	—	—	—
14	44	3.143	.604†	.906†	1.208†	—	1.813†	2.417†	—	3.625	—	—	7.250	—
21	66	3.143	—	—	1.813†	—	—	3.625	—	—	7.250	—	—	—
19	60	3.158	—	—	1.646†	1.975†	2.469†	3.292†	3.950†	4.938†	—	—	—	—
12	38	3.167	—	—	—	—	1.563†	2.083†	2.500†	—	—	—	—	—
24	76	3.167	—	—	—	—	—	—	—	6.250†	—	—	—	—
17	54	3.176	—	—	1.479†	—	2.219†	2.958†	3.550†	4.438†	—	—	—	—
11	35	3.182	—	—	—	1.175†	—	—	2.350†	—	—	4.700†	—	—
22	70	3.182	—	1.438†	1.917†	2.300†	—	—	4.600†	—	—	—	—	—
15	48	3.200	.656†	.984†	1.313†	1.575†	1.969	2.625	3.150	3.938	5.250	—	7.875	10.500†
20	64	3.200	—	1.313†	1.750†	2.100†	2.625	3.500†	4.200†	5.250	7.000†	—	10.500	—
25	80	3.200	—	1.641†	—	2.625	—	—	5.250	—	—	10.500	—	—
14	45	3.214	—	—	1.229†	1.475	—	—	2.950	—	—	5.900	—	—
13	42	3.231	—	—	1.146†	—	—	2.292	2.750†	3.438†	—	—	—	—
26	84	3.231	1.146†	—	2.292†	—	3.438†	4.583†	5.500†	6.875†	—	—	—	—
17	55	3.235	—	—	—	1.800†	—	—	3.600†	—	—	—	—	—
21	68	3.238	—	—	—	—	2.781†	—	—	5.563†	—	—	—	—
12	39	3.250	—	—	1.063†	—	—	—	—	—	—	—	—	—
16	52	3.250	.708†	1.063†	—	—	2.125†	—	—	4.250†	—	—	—	—
20	65	3.250	—	—	—	—	—	—	4.250†	—	—	—	—	—
24	78	3.250	—	—	—	—	—	4.250†	—	—	—	—	—	—
23	75	3.261	—	—	—	2.450†	—	—	—	—	—	—	—	—
11	36	3.273	.490†	.734†	.979†	1.200†	1.500†	2.000†	2.400†	3.000†	4.000†	—	6.000†	8.000†
22	72	3.273	.979†	1.469†	1.958†	2.350†	2.938†	3.917†	4.700†	5.875	—	—	11.750†	—
17	56	3.294	—	—	1.521†	—	2.281†	3.042†	—	4.563†	—	—	—	—
20	66	3.300	.896†	—	1.792†	—	—	3.583	—	—	7.167†	—	—	—
12	40	3.333	.542†	.813†	1.083†	1.300	1.625	2.167†	2.600	3.250	4.333†	5.200	6.500	—
15	50	3.333	—	1.016†	—	1.625	—	—	3.250	—	—	6.500	—	—
18	60	3.333	.813†	1.219†	1.625†	1.950	2.438	3.250	3.900	4.875	6.500	7.800	9.750	13.000†
21	70	3.333	—	—	1.896†	2.275†	—	—	4.550†	—	—	—	—	—
24	80	3.333	1.083†	1.625†	—	2.600	3.250	—	5.200	6.500	—	10.400	13.000	—
25	84	3.360	—	—	2.271†	2.725	—	4.542†	5.450†	—	—	—	—	—
19	64	3.368	—	—	1.729†	2.075†	2.594†	3.458†	4.150†	5.188†	—	—	—	—
16	54	3.375	.729†	—	1.458†	—	2.188†	2.917	3.500†	4.375†	5.833	—	8.750†	11.667†
13	44	3.385	—	.891†	1.188†	—	1.781†	2.375†	—	3.563†	—	—	—	—
23	78	3.391	—	—	—	—	—	4.208†	—	—	—	—	—	—
20	68	3.400	—	—	—	—	2.750†	—	—	5.500†	—	—	—	—
22	75	3.409	—	1.516†	—	2.425†	—	—	4.850†	—	—	—	—	—
19	65	3.421	—	—	—	—	—	—	4.200†	—	—	—	—	—
14	48	3.429	.646†	.969†	1.292†	1.550†	1.938	2.583	3.100	3.875	5.167	—	7.750	10.333†
21	72	3.429	—	—	1.938†	2.325†	2.906†	3.875	4.650†	5.813†	7.750	—	—	15.500†
16	55	3.438	—	—	—	1.775†	—	—	3.550	—	—	7.100†	—	—
11	38	3.455	—	—	—	—	1.563†	2.083†	2.500†	—	—	—	—	—
22	76	3.455	—	—	—	—	—	—	—	6.125†	—	—	—	—
13	45	3.462	—	—	1.208†	1.450†	—	—	2.900†	—	—	—	—	—
15	52	3.467	.698†	1.047†	—	—	2.094†	—	—	4.188†	—	—	—	—
19	66	3.474	—	—	1.771†	—	—	3.542†	—	—	—	—	—	—
23	80	3.478	—	—	—	2.575†	3.219†	—	—	—	—	—	—	—
12	42	3.500	—	—	1.125†	—	—	2.250	2.700†	3.375†	4.500	—	6.750†	9.000†
16	56	3.500	.750†	1.125†	1.500†	—	2.250	3.000†	—	4.500	—	—	9.000	—
20	70	3.500	—	1.406†	1.875†	2.250	—	—	4.500	—	—	9.000	—	—
24	84	3.500	1.125†	—	2.250†	2.700	3.375†	4.500	5.400†	6.750†	9.000	—	13.500†	18.000†
17	60	3.529	—	—	1.604†	1.925†	2.406†	3.208†	3.850†	4.813†	—	—	—	—

† = 14 1/2° only * = 20° only.

⚠WARNING See Table No. 2, Page F-49 for Minimum Recommended Gear Sizes.

Table No. 1

RATIO AND CENTER DISTANCE — SPUR GEARS

3.545-4.615 RATIO

GEAR COMBINATIONS No. Teeth		Ratio	CENTER DISTANCE Diametral Pitch											
Driver	Driven		48	32	24	20	16	12	10	8	6	5	4	3
11	39	3.545	—	—	1.042†	—	—	—	—	—	—	—	—	—
22	78	3.545	—	—	—	—	—	4.167†	—	—	—	—	—	—
18	64	3.556	—	1.281†	1.708†	2.050†	2.563	3.417†	4.100†	5.125	6.833†	—	10.250	—
14	50	3.571	—	1.000†	—	1.600	—	—	3.200	—	—	6.400	—	—
21	75	3.571	—	—	—	2.400†	—	—	4.800†	—	—	—	—	—
19	68	3.579	—	—	—	—	2.719†	—	—	5.438†	—	—	—	—
15	54	3.600	.719†	—	1.438†	—	2.156†	2.875	3.450†	4.313†	5.750	—	8.625†	11.500†
20	72	3.600	.958†	1.438†	1.917†	2.300†	2.875	3.833	4.600†	5.750	7.667†	—	11.500	15.333†
18	65	3.611	—	—	—	—	—	—	4.150†	—	—	—	—	—
21	76	3.619	—	—	—	—	—	—	—	6.063†	—	—	—	—
11	40	3.636	.531†	.797†	1.063†	1.300†	1.625†	2.167†	2.600†	3.250†	4.333†	5.200†	6.500†	—
22	80	3.636	1.063†	1.594†	—	2.550†	3.188†	—	5.100†	6.375	—	—	12.750†	—
23	84	3.652	—	—	2.229†	2.675†	3.344†	4.458†	—	—	—	—	—	—
12	44	3.667	.583†	.875†	1.167†	—	1.750†	2.333†	—	3.500	—	—	7.000	—
15	55	3.667	—	—	—	1.750†	—	—	3.500	—	—	7.000†	—	—
18	66	3.667	.875†	—	1.750†	—	—	3.500	—	—	7.000	—	—	—
19	70	3.684	—	—	1.854†	2.225†	—	—	4.450†	—	—	—	—	—
13	48	3.692	—	.953†	1.271†	1.525†	1.906†	2.542	3.050†	3.813†	—	—	—	—
14	52	3.714	.688†	1.031†	—	—	2.063†	—	—	4.125†	—	—	—	—
21	78	3.714	—	—	—	—	—	4.125†	—	—	—	—	—	—
15	56	3.733	.740†	1.109†	1.479†	—	2.219	2.958†	—	4.438	—	—	8.875	—
12	45	3.750	—	—	1.188†	1.425	—	—	2.850	—	—	5.700	—	—
16	60	3.750	.792†	1.188†	1.583†	1.900	2.375	3.167	3.800	4.750	6.333	7.600	9.500	12.667†
20	75	3.750	—	1.484†	—	2.375†	—	—	4.750†	—	—	—	—	—
17	64	3.765	—	—	1.688†	2.025†	2.531†	3.375†	4.050†	5.063†	—	—	—	—
18	68	3.778	—	—	—	—	2.668†	—	—	5.375†	—	—	—	—
19	72	3.789	—	—	1.896†	2.275†	2.844†	3.792†	4.550†	5.688†	—	—	—	—
20	76	3.800	—	—	—	—	—	—	—	6.000†	—	—	—	—
21	80	3.810	—	—	—	2.525†	3.156†	—	5.050†	6.313†	—	—	—	—
11	42	3.818	—	—	1.104†	—	—	2.250†	2.700†	3.375†	4.500†	—	6.750†	9.000†
22	84	3.818	1.104†	—	2.208†	2.650†	3.313†	4.417†	5.300†	6.625†	—	—	13.250†	—
17	65	3.824	—	—	—	—	—	—	4.100†	—	—	—	—	—
13	50	3.846	—	.984†	—	1.575†	—	—	3.150†	—	—	—	—	—
14	54	3.857	.708†	—	1.417†	—	2.125†	2.833	3.400†	4.250†	5.667	—	8.500†	11.333†
17	66	3.882	—	—	1.729†	—	—	3.458†	—	—	—	—	—	—
18	70	3.889	—	1.375†	1.833†	2.200	—	—	4.400	—	—	8.800	—	—
20	78	3.900	—	—	—	—	—	4.083†	—	—	—	—	—	—
14	55	3.929	—	—	—	1.725†	—	—	3.450	—	—	6.900†	—	—
19	75	3.947	—	—	—	2.350†	—	—	4.700†	—	—	—	—	—
11	44	4.000	.573†	.859†	1.146†	—	1.750†	2.333†	—	3.500†	—	—	7.000†	—
12	48	4.000	.625†	.938†	1.250†	1.500†	1.875	2.500	3.000	3.750	5.000	—	7.500	10.000†
13	52	4.000	—	1.016†	—	—	2.031†	—	—	4.063†	—	—	—	—
14	56	4.000	.729†	1.094†	1.458†	—	2.188	2.917†	—	4.375	—	—	8.750	—
15	60	4.000	.781†	1.172†	1.563†	1.875	2.344	3.125	3.750	4.688	6.250	7.500	9.375	12.500†
16	64	4.000	—	1.250†	1.667†	2.000†	2.500	3.333†	4.000†	5.000	6.667†	—	10.000	—
17	68	4.000	—	—	—	—	2.656†	—	—	5.313†	—	—	—	—
18	72	4.000	.938†	1.406†	1.875†	2.250†	2.813	3.750	4.500†	5.625	7.500	—	11.250	15.000†
19	76	4.000	—	—	—	—	—	—	—	5.938†	—	—	—	—
20	80	4.000	1.042†	1.563†	—	2.500	3.125	—	5.000	6.250	—	10.000	12.500	—
21	84	4.000	—	—	2.188†	2.625†	3.281†	4.375	5.250†	6.563†	8.750	—	—	17.500†
16	65	4.063	—	—	—	—	—	—	4.050†	—	—	—	—	—
11	45	4.091	—	—	1.167†	1.425†	—	—	2.850†	—	—	5.700†	—	—
19	78	4.105	—	—	—	—	—	4.042†	—	—	—	—	—	—
17	70	4.118	—	—	1.813†	2.175†	—	—	4.350†	—	—	—	—	—
16	66	4.125	.854†	—	1.708†	—	—	3.417	—	—	6.833	—	—	—
13	54	4.154	—	—	1.396†	—	2.094†	2.792	3.350†	4.188†	—	—	—	—
12	50	4.167	—	.969†	—	1.550	—	—	3.100	—	—	6.200	—	—
18	75	4.167	—	1.453†	—	2.325†	—	—	4.650†	—	—	—	—	—
20	84	4.200	1.083†	—	2.167†	2.600	3.250†	4.333	5.200†	6.500†	8.667†	—	13.000†	17.333†
19	80	4.211	—	—	—	2.475†	3.094†	—	4.950†	6.188†	—	—	—	—
18	76	4.222	—	—	—	—	—	—	—	5.875†	—	—	—	—
13	55	4.231	—	—	—	1.700†	—	—	3.400†	—	—	—	—	—
17	72	4.235	—	—	1.854†	2.225†	2.781†	3.708†	4.450†	5.563†	—	—	—	—
16	68	4.250	—	—	—	—	2.625†	—	—	5.250†	—	—	—	—
15	64	4.267	—	1.234†	1.646†	1.975†	2.469	3.292†	3.950†	4.938	6.583†	—	9.875	—
14	60	4.286	.771†	1.156†	1.542†	1.850	2.313	3.083	3.700	4.625	6.167	7.400	9.250	12.333†
13	56	4.308	—	1.078†	1.438†	—	2.156†	2.875†	—	4.313†	—	—	—	—
12	52	4.333	.667†	1.000†	—	—	2.000†	—	—	4.000†	—	—	—	—
15	65	4.333	—	—	—	—	—	—	4.000†	—	—	—	—	—
18	78	4.333	—	—	—	—	—	4.000†	—	—	—	—	—	—
11	48	4.364	.615†	.922†	1.229†	1.500†	1.875†	2.500†	3.000†	3.750†	5.000†	—	7.500†	10.000†
16	70	4.375	—	1.344†	1.792†	2.150	—	—	4.300	—	—	8.600	—	—
15	66	4.400	.844†	—	1.688†	—	—	3.375	—	—	6.750	—	—	—
17	75	4.412	—	—	—	2.300†	—	—	4.600†	—	—	—	—	—
19	84	4.421	—	—	2.146†	2.575†	3.219†	4.292†	5.150†	6.438†	—	—	—	—
18	80	4,444	1.021†	1.531†	—	2.450	3.063	—	4.900	6.125	—	9.800	12.250	—
17	76	4.471	—	—	—	—	—	—	—	5.813†	—	—	—	—
12	54	4.500	.688†	—	1.375†	—	2.063†	2.750	3.300†	4.125†	5.500	—	8.250†	11.000†
16	72	4.500	.917†	1.375†	1.833†	2.200†	2.750	3.667	4.400†	5.500	7.333	—	11.000	14.667†
15	68	4.533	—	—	—	—	2.594†	—	—	5.188†	—	—	—	—
11	50	4.545	—	.953†	—	1.550†	—	—	3.100†	—	—	6.200†	—	—
14	64	4.571	—	1.219†	1.625†	1.950†	2.438	3.250†	3.900†	4.875	6.500†	—	9.750	—
12	55	4.583	—	—	—	1.675†	—	—	3.350	—	—	6.700†	—	—
17	78	4.588	—	—	—	—	—	3.958†	—	—	—	—	—	—
13	60	4.615	—	1.141†	1.521†	1.825†	2.281†	3.042	3.650†	4.563†	—	—	—	—

† = 14 1/2° only * = 20° only.

F

4.643-7.000 RATIO Table No. 1

RATIO AND CENTER DISTANCE — SPUR GEARS

GEAR COMBINATIONS No. Teeth		RATIO	CENTER DISTANCE Diametral Pitch											
Driver	Driven		48	32	24	20	16	12	10	8	6	5	4	3
14	65	4.643	—	—	—	—	—	—	3.950†	—	—	—	—	—
12	56	4.667	.708†	1.063†	1.417†	—	2.125	2.833†	—	4.250	—	—	8.500	—
15	70	4.667	—	1.328†	1.771†	2.125	—	—	4.250	—	—	8.500	—	—
18	84	4.667	1.063†	—	2.125†	2.550	3.188†	4.250	5.100†	6.375†	8.500	—	12.750†	17.000†
16	75	4.688	—	1.422†	—	2.275†	—	—	4.550†	—	—	—	—	—
17	80	4.706	—	—	—	2.425†	3.031†	—	4.850†	6.063†	—	—	—	—
14	66	4.714	.833†	—	1.667†	—	—	3.333	—	—	6.667	—	—	—
11	52	4.727	.656†	.984†	—	—	2.000†	—	—	4.000†	—	—	—	—
16	76	4.750	—	—	—	—	—	—	—	5.750†	—	—	—	—
15	72	4.800	.906†	1.359†	1.813†	2.175†	2.719	3.625	4.350†	5.438	7.250	—	10.875	14.500†
14	68	4.857	—	—	—	—	2.563†	—	—	5.125†	—	—	—	—
16	78	4.875	—	—	—	—	—	3.916†	—	—	—	—	—	—
11	54	4.909	.677†	—	1.354†	—	2.063†	2.750†	3.300†	4.125†	5.500†	—	8.250†	11.000†
13	64	4.923	—	1.203†	1.604†	1.925†	2.406†	3.208†	3.850†	4.813†	—	—	—	—
17	84	4.941	—	—	2.104†	2.525†	3.156†	4.208†	5.050†	6.313†	—	—	—	—
11	55	5.000	—	—	—	1.675†	—	—	3.350†	—	—	6.700†	—	—
12	60	5.000	.750†	1.125†	1.500†	1.800	2.250	3.000	3.600	4.500	6.000	7.200	9.000	12.000†
13	65	5.000	—	—	—	—	—	—	3.900†	—	—	—	—	—
14	70	5.000	—	1.313†	1.750†	2.100	—	—	4.200	—	—	8.400	—	—
15	75	5.000	—	1.406†	—	2.250†	—	—	4.500†	—	—	—	—	—
16	80	5.000	1.000†	1.500†	—	2.400	3.000	—	4.800	6.000	—	9.600	12.000	—
15	76	5.067	—	—	—	—	—	—	—	5.688†	—	—	—	—
13	66	5.077	—	—	1.646†	—	—	3.292	—	—	—	—	—	—
11	56	5.091	.698†	1.047†	1.396†	—	2.125†	2.833†	—	4.250†	—	—	8.500†	—
14	72	5.143	.896†	1.344†	1.792†	2.150†	2.688	3.583	4.300†	5.375	7.167	—	10.750	14.333†
15	78	5.200	—	—	—	—	—	3.875†	—	—	—	—	—	—
13	68	5.231	—	—	—	—	2.531†	—	—	5.063†	—	—	—	—
16	84	5.250	1.042†	—	2.083†	2.500	3.125†	4.167	5.000†	6.250†	8.333	—	12.500†	16.667†
12	64	5.333	—	1.188†	1.583†	1.900†	2.375	3.167†	3.800†	4.750	6.333†	—	9.500	—
15	80	5.333	.990†	1.484†	—	2.375	2.969	—	4.750	5.938	—	9.500	11.875	—
14	75	5.357	—	1.391†	—	2.225†	—	—	4.450†	—	—	—	—	—
13	70	5.385	—	1.297†	1.729†	2.075†	—	—	4.150†	—	—	—	—	—
12	65	5.417	—	—	—	—	—	—	3.850†	—	—	—	—	—
14	76	5.429	—	—	—	—	—	—	—	5.625†	—	—	—	—
11	60	5.455	.740†	1.109†	1.479†	1.800†	2.250†	3.000†	3.600†	4.500†	6.000†	7.200†	9.000†	12.000†
12	66	5.500	.813†	—	1.625†	—	—	3.250	—	—	6.500	—	—	—
13	72	5.538	—	1.328†	1.771†	2.125†	2.656†	3.542	4.250†	5.313†	—	—	—	—
14	78	5.571	—	—	—	—	—	3.833†	—	—	—	—	—	—
15	84	5.600	1.031†	—	2.063†	2.475†	3.094†	4.125	4.950†	6.188†	8.250	—	12.375†	16.500†
12	68	5.667	—	—	—	—	2.500†	—	—	5.000†	—	—	—	—
14	80	5.714	.979†	1.469†	—	2.350	2.938	—	4.700	5.875	—	9.400	11.750	—
13	75	5.769	—	1.375†	—	2.200†	—	—	4.400†	—	—	—	—	—
11	64	5.818	—	1.172†	1.563†	1.900†	2.375†	3.167†	3.800†	4.750†	6.333†	—	9.500†	—
12	70	5.833	—	1.281†	1.708†	2.050	—	—	4.100	—	—	8.200	—	—
13	76	5.846	—	—	—	—	—	—	—	5.563†	—	—	—	—
11	65	5.909	—	—	—	—	—	—	3.800†	—	—	—	—	—
11	66	6.000	.802†	—	1.604†	—	—	3.250†	—	—	6.500†	—	—	—
12	72	6.000	.875†	1.313†	1.750†	2.100†	2.625	3.500	4.200†	5.250	7.000	—	10.500	14.000†
13	78	6.000	—	—	—	—	—	3.792†	—	—	—	—	—	—
14	84	6.000	1.021†	—	2.042†	2.450	3.063†	4.083	4.900†	6.125†	8.167	—	12.250†	16.333†
13	80	6.154	—	1.453†	—	2.325†	2.906†	—	4.650†	5.813†	—	—	—	—
11	68	6.182	—	—	—	—	2.500†	—	—	5.000†	—	—	—	—
12	75	6.250	—	1.359†	—	2.175†	—	—	4.350†	—	—	—	—	—
12	76	6.333	—	—	—	—	—	—	—	5.500†	—	—	—	—
11	70	6.364	—	1.266†	1.688†	2.050†	—	—	4.100†	—	—	8.200†	—	—
13	84	6.462	—	—	2.021†	2.425†	3.031†	4.042	4.850†	6.063†	—	—	—	—
12	78	6.500	—	—	—	—	—	3.750†	—	—	—	—	—	—
11	72	6.545	.865†	1.297†	1.729†	2.100†	2.625†	3.500†	4.200†	5.250†	7.000†	—	10.500†	14.000†
12	80	6.667	.958†	1.438†	—	2.300	2.875	—	4.600	5.750	—	9.200	11.500	—
11	75	6.818	—	1.344†	—	2.175†	—	—	4.350†	—	—	—	—	—
11	76	6.909	—	—	—	—	—	—	—	5.500†	—	—	—	—
12	84	7.000	1.000†	—	2.000†	2.400	3.000†	4.000	4.800†	6.000†	8.000	—	12.000†	16.000†

† = 14 1/2° only * = 20° only.

WARNING See Table No. 2, Page F-49 for Minimum Recommended Gear Sizes.

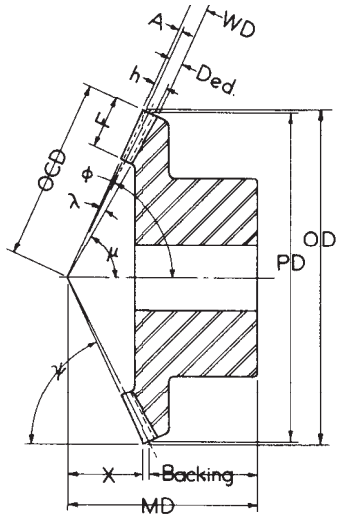
F

BEVEL AND MITER GEARS

BROWNING® Bevel and Miter Gears are generated with the Coniflex* straight tooth form which permits slight adjustment of Gears in assembly and deflection under load. This helps provide even distribution of tooth load, longer life and quieter operation.

Bevel and Miter Gears are used for power transmission between intersecting shafts at 90° and are recommended for low speed, high torque applications where pitch line velocity does not exceed 1000 FPM. Bevel Gears have a ratio range from 1 1/2:1 to 6:1. Miter Gears are 1:1 ratio.

Bevel Gear sets of different ratios are not interchangeable and must be used in pairs as shown in the Rating Table.



RULES AND FORMULAE FOR BEVEL AND MITER GEARS (Gleason* System)

TO OBTAIN	FORMULA	
	PINION (p)	GEAR (G)
Pitch Diameter (PD)	$PD_p = \frac{\dagger}{p}$	$PD_G = \frac{T}{P}$
Tangent of Pitch Angle (Ø)	$\tan \varnothing_p = \frac{\dagger}{T}$ or $\varnothing_p = 90° - \varnothing_G$	$\tan \varnothing_G = \frac{T}{\dagger}$ or $\varnothing_G = 90° - \varnothing_p$
Outer Cone Distance (OCD)	$OCD = \frac{PD}{2 \sin \varnothing}$	
Addendum (A)	$A_p = h - A_G$	$A_G = \frac{.54}{p} + \frac{.46}{P (T/\dagger)^2}$
Working Depth (h)	$h = \frac{2}{P}$	
Outside Diameter (OD)	$OD_p = PD_p + 2A_p \cos \varnothing_p$	$OD_G = PD_G + 2A_G \cos \varnothing_G$

TO OBTAIN	FORMULA	
	PINION (p)	GEAR (g)
Pitch Apex to Crown (X)	$X_p = \frac{PD_G}{2} - A_p \sin \varnothing_p$	$X_G = \frac{PD_p}{2} - A_G \sin \varnothing_G$
* Whole Depth (WD)	$WD = \frac{2.188}{P}$	
Dedendum (Ded)	$Ded_p = WD - A_p$	$Ded_G = WD - A_G$
Face Angle (ψ)	$\psi_p = \varnothing_p + \lambda_G$	$\psi_G = \varnothing_G + \lambda_p$
Dedendum Angle (λ)	$\lambda_p = \tan^{-1} \frac{Ded_p}{X \ OCD}$	$\lambda_G = \tan^{-1} \frac{Ded_G}{X \ OCD}$
Root Angle (μ)	$\mu_p = \varnothing - \lambda_p$	$\mu_G = \varnothing - \lambda_G$
Mounting Distance (MD)	$MD = \frac{PD_G}{2}$ + backing	$MD = \frac{PD_p}{2}$ + backing
Desired Face (F)	$F = (.3) \ OCD$	

Where: † = No. teeth of Pinion & T = No. teeth of Gear
P = Diametral Pitch & PD = Pitch Diameter
*The actual whole depth is .002 greater than calculated

EXAMPLE — Bevel Gear

A right angle drive is required for a 3 HP, 600 RPM pinion shaft. The desired driven speed is 300 RPM. The mounting distance of the pinion must be 4 3/4". The drive is to operate 8 hours a day, under heavy shock load and lubricated by grease. Driving shaft is 1 1/8", 1/4" x 1/8" Keyway. Driven shaft is 1 3/8", 5/16" X 5/32" Keyway.

A. Overload Service Factor, Tables 2 & 3, Page F-48 8-10 Hours operation—Heavy Shock = 1.4
Grease = .4
Service Factor = 1.8

B. Required Horsepower: 1.8 x 3 = 5.4

C. Ratio = $\frac{600}{300}$ = 2

D. Look For 5.4 H.P. and 2 ratio at the 600 R.P.M. column on Page F-49. A 6 Pitch Bevel Gear Set gives 5.74 H.P.

E. Check mounting distance and bore, Page F-44. MD = 4.750 for pinion, 1 1/8 bore with Keyway available.

F. List Drive Components
1, YSB6B36-20 (Rebore to 1 3/8", 5/16" x 5/32" Keyway)
1, YSB6F18-20 x 1 1/8", 1/4" x 1/8" Keyway.

The same basic procedure is used to select Miter Gear drives. For higher Horsepower capacities see Hardened Miter Gears.

* Coniflex and Gleason are believed to be the trademarks and/or trade names of The Gleason Works Corporation, and are not owned or controlled by Emerson Power Transmission.

Table No. 1

Ratings for Unhardened Steel Bevel Gears

Part* Number	Pitch	Ratio	No. Teeth	Mounting Distance	HORSEPOWER AT PINION R.P.M. 50	100	200	300	600	900	1200	1800
YSB20B20-20	20	2	20	.688	.007	.01	.03	.04	.07	.10	.13	.18
YSB20B10-20			10	.750								
YSB16B24-15	16	1.5	24	1.188	.02	.05	.09	.12	.23	.30	.38	.49
YSB16B16-15			16	1.250								
YSB16B24-20	16	2	24	1.000	.01	.02	.05	.06	.12	.16	.20	.27
YSB16B12-20			12	1.125								
YSB16B32-20	16	2	32	1.188	.03	.06	.12	.17	.31	.41	.51	.67
YSB16B16-20			16	1.500								
YSB16B48-30	16	3	48	1.313	.04	.08	.15	.22	.39	.53	.66	.84
YSB16B16-30			16	2.000								
YSB16B64-40	16	4	64	1.375	.05	.10	.18	.25	.46	.62	.77	.99
YSB16B16-40			16	2.500								
YSB16B96-60	16	6	96	1.688	.06	.13	.24	.34	.61	.83	1.02	1.31
YSB16B16-60			16	3.750								
YSB14B28-20	14	2	28	1.375	.04	.07	.13	.18	.33	.43	.57	.71
YSB14B14-20			14	1.625								
YSB12B27-15	12	1.5	27	1.750	.08	.15	.30	.40	.69	.91	1.10	1.36
YSB12B18-15			18	1.875								
YSB12B36-20	12	2	36	1.875	.10	.19	.36	.51	.89	1.18	1.43	1.77
YSB12B18-20			18	2.375								
YSBF12B36-20	12	2	36	1.500	.09	.17	.32	.46	.80	1.06	1.28	1.58
YSBF12B18-20			18	2.250								
YSB12B48-20	12	2	48	2.000	.16	.32	.59	.83	1.40	1.80	2.12	2.55
YSB12B24-20			24	2.875								
YSB12B54-30	12	3	54	1.750	.12	.23	.44	.62	1.07	1.42	1.71	2.11
YSB12B18-30			18	3.000								
YSB12B72-40	12	4	72	2.000	.12	.24	.46	.66	1.13	1.49	1.79	2.22
YSB12B18-40			18	3.750								
YSB12B72-60	12	6	72	1.750	.08	.16	.31	.43	.79	1.07	1.32	1.69
YSB12B12-60			12	3.750								
YSB10B30-15	10	1.5	30	2.250	.17	.33	.61	.87	1.46	1.88	2.22	2.69
YSB10B20-15			20	2.500								
YSB10B40-20	10	2	40	2.500	.21	.42	.77	1.04	1.83	2.37	2.79	3.38
YSB10B20-20			20	3.125								
YSB10B50-20	10	2	50	2.625	.29	.58	1.05	1.45	2.38	3.00	3.47	—
YSB10B25-20			25	3.375								
YSB10B60-30	10	3	60	2.750	.25	.50	.91	1.29	2.15	2.77	3.26	3.93
YSB10B20-30			20	4.375								
YSB10B60-40	10	4	60	2.250	.16	.32	.60	.85	1.47	1.94	2.34	2.90
YSB10B15-40			15	3.875								
YSB10B90-60	10	6	90	2.500	.20	.40	.76	1.08	1.86	2.45	2.95	3.36
YSB10B15-60			15	5.500								
YSB8B40-20	8	2	40	2.875	.38	.76	1.38	1.92	3.15	3.97	4.61	—
YSB8B20-20			20	4.000								
YSB8B48-30	8	3	48	2.375	.30	.60	1.12	1.60	2.63	3.39	3.99	4.82
YSB8B16-30			16	4.250								
YSB8B64-40	8	4	64	2.750	.32	.64	1.18	1.66	2.78	3.57	4.19	5.05
YSB8B16-40			16	5.250								
YSB8B72-40	8	4	72	3.250	.52	1.04	1.88	2.57	4.39	5.58	6.50	7.77
YSB8B18-40			18	5.750								
YSB6B36-20	6	2	36	3.500	.72	1.44	2.65	3.60	5.74	7.15	8.24	—
YSB6B18-20			18	4.750								
YSB6B42-20	6	2	42	3.750	.90	1.80	3.26	4.37	6.82	8.34	—	—
YSB6B21-20			21	5.000								
YSB6B48-20	6	2	48	3.438	1.16	2.32	4.17	5.53	8.43	10.16	—	—
YSB6B24-20			24	5.438								
YSB6B45-30	6	3	45	3.000	.62	1.23	2.23	3.10	4.08	6.40	7.42	—
YSB6B15-30			15	5.250								
YSB6B60-40	6	4	60	3.250	.72	1.45	2.62	3.63	5.91	7.45	8.63	—
YSB6B15-40			15	6.750								

***Part Numbers shown are for Minimum Bore Gears; Ratings shown also apply for Finished Bore Gears of same pitch and number of teeth.**

F

Table No. 1 **Ratings for Unhardened Steel Bevel Gears**

Part* Number	Pitch	Ratio	No. Teeth	Mounting Distance	HORSEPOWER AT PINION R.P.M.							
					50	100	200	300	600	900	1200	1800
YSB5B30-20	5	2	30	3.500	.81	1.61	2.94	4.00	6.37	7.94	9.13	—
YSB5B15-20			15	4.375								
YSB5B45-30	5	3	45	3.750	1.05	2.10	3.83	5.20	8.28	10.29	11.82	—
YSB5B15-30			15	5.875								
YSB5B60-40	5	4	60	3.750	1.37	2.74	5.01	6.81	10.84	13.46	15.46	—
YSB5B15-40			15	7.500								
YSB4B32-20	4	2	32	4.250	1.76	3.52	6.31	8.37	12.82	15.50	—	—
YSB4B16-20			16	6.000								
YSB4B42-30	4	3	42	4.000	1.58	3.15	5.69	7.62	11.90	14.53	—	—
YSB4B14-30			14	7.250								
YSB4B56-40	4	4	56	4.250	1.92	3.84	6.94	9.29	14.46	17.65	—	—
YSB4B14-40			14	9.000								
YSB3B30-20	3	2	30	5.500	3.81	7.61	12.64	16.76	24.62	—	—	—
YSB3B15-20			15	7.250								

***Part Numbers shown are for Minimum Bore Gears; Ratings shown also apply for Finished Bore Gears of same pitch and number of teeth.**

Table No. 2 **Ratings for Unhardened Steel Miter Gears**

Part* Number	Pitch	No. Teeth	Mounting Distance	HORSEPOWER AT PINION R.P.M.							
				50	100	200	300	600	900	1200	1800
YSM24B24	24	24	.906	—	—	.005	.01	.01	.02	.02	.03
YSM20B12	20	12	.671	—	.01	.02	.02	.04	.06	.08	.11
YSM16B12	16	12	.813	.01	.02	.04	.05	.09	.13	.16	.21
YSM16B16	16	16	1.063	.02	.04	.08	.11	.20	.26	.33	.42
YSM16B20	16	20	1.250	.03	.07	.13	.18	.31	.42	.51	.64
YSM16B24	16	24	1.375	.05	.09	.18	.25	.43	.57	.69	.85
YSM14B14	14	14	1.063	.02	.04	.07	.10	.19	.25	.31	.40
YSM12B15	12	15	1.250	.04	.08	.15	.21	.38	.50	.61	.77
YSM12B18	12	18	1.500	.06	.12	.22	.32	.54	.72	.86	1.07
YSM12B21	12	21	1.750	.09	.17	.32	.46	.78	1.02	1.22	1.49
YSM12B24	12	24	1.875	.11	.23	.42	.59	.98	1.26	1.49	1.79
YSM12B30	12	30	2.313	.19	.37	.68	.84	1.52	1.92	2.23	2.62
YSM10B20	10	20	2.000	.13	.26	.48	.68	1.14	1.47	1.73	2.09
YSM10B25	10	25	2.438	.22	.43	.78	1.08	1.77	2.23	2.58	3.04
YSM8B24	8	24	2.563 ▲	.36	.73	1.32	1.79	2.85	3.54	4.06	4.68
YSM8B28	8	28	3.250	.51	1.01	1.82	2.44	3.81	4.64	5.27	6.04
YSM8B32	8	32	3.625	.66	1.32	2.36	3.14	4.77	5.75	6.44	7.26
YSM6B24	6	24	3.625	.83	1.66	2.96	3.93	5.97	7.20	8.08	9.10
YSM6B27	6	27	4.125	1.07	2.13	3.72	4.99	7.36	8.77	9.72	10.88
YSM5B25	5	25	4.625	1.56	3.13	5.44	7.02	10.30	12.18	13.46	14.97
YSM4B24	4	24	5.500	2.76	5.52	9.04	11.72	15.33	16.66	19.29	23.03
YSM4B28	4	28	6.000	3.51	7.00	11.57	14.70	20.26	23.23	24.95	27.10

***Part Numbers shown are for Minimum Bore Gears; Ratings shown also apply for Finished Bore Gears of same pitch and number of teeth.**
▲YSM8F24 Finished Bore Gears have 2.750" Mounting Distance.

Table No. 3 **Ratings for Hardened Steel Miter Gears**

Part Number	Pitch	No. Teeth	Mounting Distance	HORSEPOWER AT PINION R.P.M.							
				50	100	200	300	600	900	1200	1800
YSM16F16H	16	16	1.063	.03	.07	.12	.17	.30	.41	.51	.66
YSM12F15H	12	15	1.250	.06	.12	.24	.33	.59	.78	.96	1.21
YSM12F18H	12	18	1.500	.09	.18	.35	.49	.85	1.23	1.35	1.67
YSM12F21H	12	21	1.750	.13	.27	.50	.72	1.22	1.60	1.90	2.32
YSM12F30H	12	30	2.313	.29	.58	1.06	1.46	2.38	3.01	3.49	4.10
YSM10F20H	10	20	2.000	.21	.41	.75	1.07	1.79	2.30	2.70	3.26
YSM10F25H	10	25	2.438	.34	.68	1.22	1.69	2.77	3.49	4.04	4.76
YSM8F24H	8	24	2.563 ▲	.57	1.13	2.06	2.80	4.45	5.52	6.34	7.32
YSM8F28H	8	28	3.250	.80	1.58	2.85	3.82	5.96	7.25	8.23	9.44
YSM8F32H	8	32	3.625	1.03	2.06	3.69	4.90	7.46	8.98	10.06	11.35
YSM6F24H	6	24	3.625	1.30	2.59	4.63	6.13	9.33	11.25	12.62	14.23
YSM5F25H	5	25	4.625	2.44	4.88	8.50	10.98	16.10	19.04	21.04	23.40
YSM4F24H	4	24	5.500	4.31	8.62	14.12	18.31	23.95	26.04	30.14	35.99

▲Mounting Distance shown is for 3/4" Bore Only ; Gears with 1" and 1 1/4" Bores have Mounting Distance of 2.750".
Ratings below Heavy Line are not recommended as Pitch Line Velocity exceeds 1000 feet per minute.

F

Spiral Bevel and Miter Gears have continuous pitch line contact and therefore run more smoothly and quietly than straight tooth gears. They must be run in sets of mating gears with opposite hand spiral. In Browning® stock spiral gear sets the pinion has left hand spiral and the gear has right hand spiral.

Table No. 1

Ratings for Hardened Steel Spiral Bevel Gears

Part No.	Pitch	Ratio	No. Teeth	Mounting Dimension	HORSEPOWER AT PINION R.P.M.							
					50	100	200	300	600	900	1200	1800
YSBS14F32RH-20	14	2	32	1.375	.12	.24	.46	.70	1.33	1.99	2.65	3.76
YSBS14F16LH-20			16	1.625								
YSBS10F34RH-20	10	2	34	1.875	.38	.75	1.43	2.19	4.10	6.14	8.19	12.78
YSBS10F17LH-20			17	2.375								
YSBS8F34RH-20	8	2	34	2.500	.71	1.31	2.62	3.97	7.53	11.04	14.67	21.41
YSBS8F17LH-20			17	3.125								

Table No. 2

Ratings for Hardened Steel Spiral Miter Gears

Part No.	Pitch	No. Teeth	Mounting Dimension	HORSEPOWER AT VARIOUS R.P.M.							
				50	100	200	300	600	900	1200	1800
YSMS12F15RH YSMS12F15LH	12	15	1.250	.06	.13	.25	.36	.68	1.02	1.35	1.98
YSMS12F18RH YSMS12F18LH	12	18	1.500	.09	.18	.35	.52	1.00	1.51	1.98	2.91
YSMS10F20RH YSMS10F20LH	10	20	2.000	.26	.50	.97	1.47	2.36	3.48	4.59	6.67
YSMS10F25RH YSMS10F25LH	10	25	2.437	.48	.87	1.67	2.51	4.83	7.06	9.29	13.75
YSMS8F28RH YSMS8F28LH	8	28	3.250	.99	2.10	4.11	6.07	11.91	13.14	17.46	25.56
YSMS7F21RH YSMS7F21LH	7	21	2.750	.70	1.36	2.60	3.84	7.40	8.22	10.96	16.44
YSMS6F24RH YSMS6F24LH	6	24	3.625	1.48	2.93	5.66	8.36	12.33	18.22	23.15	35.11
YSMS5F25RH YSMS5F25LH	5	25	4.625	2.80	5.44	10.83	15.64	22.56	33.39	42.86	63.61

BROWNING® Stock Gears are held to accurate tolerances by rigid quality control. This is made possible by the use of the most modern machinery for manufacturing and constant inspection. Each gear is easily identified by a legible part number marked on the part itself. Gears are rust-proofed and individually packaged. Each carton is clearly labelled with part number and all necessary specifications for identification of the contents, making it unnecessary to open the carton for inspection.

The Browning method of assigning clear and concise Part Numbers to all gear components provides all the essential information for identification:

SPUR GEARS:

NSS1624 (Minimum Bore Type)
N = 14 1/2° Pressure Angle
SS = Steel Spur
16 = Diametral Pitch
24 = No. Teeth

NSS16F24 x 3/4 [Finished Bore Type)
N = 14 1/2° Pressure Angle
SS = Steel Spur
16 = Diametral Pitch
F = Finished Bore
24 = No. Teeth
3/4 = Bore, W/Kw. & S. S.

NCS16H96 (Bushing Type)
N = 14 1/2° Pressure Angle
CS = Cast Iron Spur
16 = Diametral Pitch
H = H Bushing
96 = No. Teeth

CHANGE GEARS:

NCG1696
N = 14 1/2° Pressure Angle
CG = Change Gear
16 = Diametral Pitch
96 = No. Teeth

NON-METALLIC GEARS:

NFS1016
N = 14 1/2° Pressure Angle
F = Fiber
S = Spur
10 = Diametral Pitch
16 = No. Teeth

RACK:

2YSR12 x 3/4
2 = Two Ft. Length
Y = 20° Pressure Angle
S = Steel
R = Rack
12 = Pitch
3/4 = Thickness

BEVEL GEARS:

YSB12F18-20 x 3/4
Y = 20° Pressure Angle
SB = Steel Bevel
12 = Diametral Pitch
F = Finished Bore
18 = No. Teeth
20 = 2:1 Ratio
3/4 = 3/4 Bore, W/Kw. & S.S.

YSBF12B36-20
Y = 20° Pressure Angle
SB = Steel Bevel
F = Short Face Length
12 = Diametral Pitch
B = Min. Bore, No Kw. or S.S.
36 = No. Teeth
20 = 2:1 Ratio

Y5BS14F32RH-20 x 7/8
Y = 20° Pressure Angle
SB = Spiral Bevel
S = Steel
14 = Diametral Pitch
F = Finished Bore
32 = No. Teeth
R = Right Hand Spiral or (L -Left Hand Spiral)
H = Hardened Teeth
20 = 2:1 Ratio
7/8 = Bore, W/Kw. and S.S.

MITER GEARS:

YSM12F21H x 5/8
Y = 20° Pressure Angle
SM = Steel Miter
12 = Diametral Pitch
F = Finished Bore
21 = No. Teeth
H = Hardened (No "H" if unhardened)
5/8 = Bore, W/Kw. & S.S.

YSM12B24
Y = 20° Pressure Angle
SM = Steel Miter
12 = Diametral Pitch
B = Min. Bore, no Kw. or S.S.
24 = No. Teeth

YSMS10F2ORH x 3/4
Y = 20° Pressure Angle
SM = Spiral Miter
S = Steel
10 = Diametral Pitch
F = Finished Bore
20 = No, Teeth
R = Right Hand Spiral or (L -Left Hand Spiral)
H = Hardened Teeth
3/4 = Bore, W/Kw. and S.S.

F

MORSE... LINKS YOU TO A WORLD OF MAXIMUM PERFORMANCE, MINIMUM COSTS

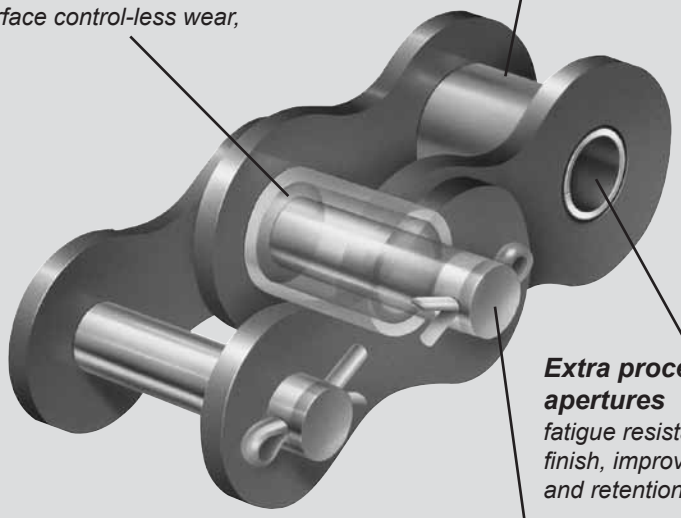
MORSE® Roller And Other Chain Products Provide Your Strongest Link To Savings

No other company offers all these exclusive cost-saving features and benefits in reliable chain drives. You can select from a full range of pre-stressed roller chain: standard and heavy series, single and multiple strand; custom conveyor chain with a variety of attachments; specialty chain; HV and inverted tooth and SC Silent Chain, plus many more specialized designs; (See MORSE CHAIN Table below).

All chain manufactured to precision standards utilizing world-class technology. The designed-in, built-in quality and superior manufacturing methods produce Morse brand chains with higher horsepower ratings. This means you can design a more compact new drive, or benefit from a higher service factor on an existing one... obtain longer chain/drive life with reduced maintenance... reduce original purchase price and overall costs. The potential for savings is significant. Check out these top-quality features... resultant benefits.

Solid rollers
of optimal wall thickness, finer finish, more impact strength.

Perfectly round bushings
improve surface control-less wear, longer life.



Extra processing of link apertures
fatigue resistant surface finish, improved pin contact and retention.

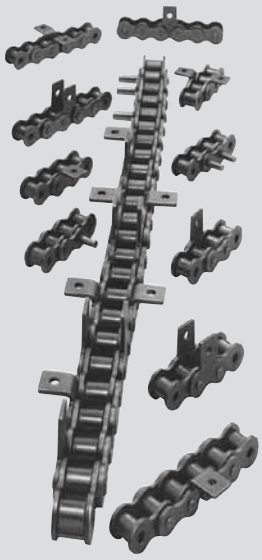
Tapered end pins
smooth trouble-free assembly, helps prevent link-plate damage.

MORSE CHAIN

Single Strand	Pitch
Standard Series	25-200
Heavy Series	60-200
High Strength	60-200
Lubed For Life	40-80
Standard Attachment	25-160
Double Pitch Conveyor	
Standard Roller	2040-2120
Large Roller	2042-2122
Double Pitch Attachment	C2040-C2122
Other	
Leaf	BL4-BL16
Rollerless Hoist	65-105
Wrench	50
Agricultural	80
HV Inverted Chain	3/8-2
SC Silent Chain	3/16-1
Stainless Steel	25-80
Nickel Plated	35-60
Pre-Lubricated	40-80
MULTI FLEX	100-200
Multiple Strand	
Standard	
Double, Triple, Quadruple	35-200
Quintuple, Sextuple, Octuple	60-160
Heavy	
Double, Triple, Quadruple	60-200
Quintuple, Sextuple	60-160
Pre-Lubricated Double	40-50

BROWNING® ROLLER CHAIN

Standard Series	Pitch
Single	35-160
Double	35-160
Triple	35-80



Morse® Attachment Chain is offered in a significant breadth of line — 35 to 160, C2040 to C2122 and with excellent custom design capabilities.

*Morse is a registered trademark of Borg-Warner Corporation, used herein under exclusive license.

BROWNING...OFFERS THE WORLD'S LARGEST SELECTION OF APPLICATION "MATCHED, SHAFT-READY SPROCKETS"

Maximum Drive Efficiency At The Lowest Evaluated Cost.

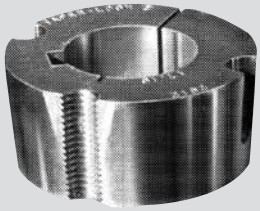
You can choose from the world's largest selection of high-quality, shaft-ready sprockets to solve all your application problems. In-stock hardened sprockets, a Browning specialty, are guaranteed to last at least twice as long as the standard (unhardened) mild steel sprockets they replace. The result is increased chain life and reduced downtime.

Additionally, you have the industry's broadest selection of sprocket mounting choices. Sprockets are available with three types of bushings to ensure secure mounting to shaft:

- **BROWNING SPLIT TAPER®** Bushing — available in inch and metric sizes, as well as with spline bores; bore range 1/4-10".
- **Q-D®** Bushing in 1/16 inch increments and metric sizes.
- **TAPER BORE** in the same configurations.
- Finished Bore Sprockets are available with Hardened Teeth and 2 Setscrews for driver size sprockets, (30 teeth and smaller).
- Minimum Bore Sprockets are provided from stock to allow for our customers, requirements for simple modifications with same day delivery service.
- Browning continues to provide custom sprockets for a variety of applications up through 60" diameters.
- The combination of the above provides one of the broadest selections of stock sprockets in the industry.

BROWNINING SPLIT TAPER® Bushing

Q-D® Bushing



TAPER BORE Bushing

STANDARD & HARDENED SPROCKETS

	No. Strands	Pitch Range	Bore Range	Hardened Teeth
Bushing Type	1	35-200	3/8-5"	Up to 40 teeth
	2	35-200	3/8-5	
	3	35-160	1/2-5	
	4	80-160	1-5	
Finished Bore	1	35-100	3/8-2 7/16	Up to 30 teeth
Type B Min. Bore	1	25-240	1/4-6 3/4	
	2	35-240	1/2-8 1/4	
	3	35-200	1/2-8 3/8	
	4	35-200	1/2-9 1/4	
Type A Steel Plate	1	25-240		
OTHER SPROCKETS				
Double Single Sprockets		40-100	3/8-3 3/4	All
Extended Pitch Sprockets		2040-2080	3/8-2 11/16	
		2040-2082	5/8-3	
		2102	1 1/4-3	
Shear Pin Sprockets & Hubs		40-160	3/8-5	
Torque Limiters & Sprockets		35-80	1/2-2 1/2	

To ensure optimum quality and reliability, Browning uses precision gear checking quality techniques in manufacturing these sprockets.

Bushing type hardened sprocket and Browning's exclusive warranty (to last twice as long as a standard sprocket).

Standard series roller chain

Made to ANSI B29.1 specifications. Available in single to octuple widths - pages G14 to G17.

Heavy series roller chain

Made to ANSI B29.1 specifications. Similar to standard series roller chain, but having plate thickness of the next regular pitch. Available in sizes 60H and larger in single to sextuple width - pages G14 to G16.

Standard series attachment roller chain

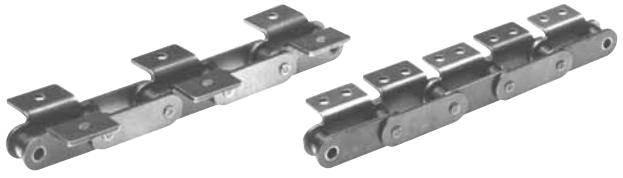
Made to ANSI B-29.1 specifications. Available in sizes #35 through #160 with extended pin, B-1, B-2, S-1, and S-2 attachments - pages G31 to G33.

Double pitch drive chains

Made to ANSI B-29.3. Available in figure 8 contour sizes 1" pitch to 2" pitch pages G34 and G35.

Double pitch conveyor chains

Made to ANSI B-29.4 specification. Available in 1" pitch to 3" pitch in both standard roller and large roller - page G36.



Double pitch conveyor attachment chains

Made to ANSI B-29.4 specifications. Available in 1" pitch to 3" pitch in both standard and large rollers with extended pin. B-1, B-2, S-1, and S-2 attachments - pages G37 and G38.

Leaf chain

Made to ANSI B-29.8 specifications. Made of roller chain type links and riveted pins to utilize maximum strength for given widths. Used as tension linkage or lifting device at slow speeds. Available in various lacings in 1/2" pitch to 2" pitch page - G42.

Rollerless hoist chains

Made of same construction as standard roller chains except rollers have been omitted. Available in 3 sizes - 3/4", 1", and 1 1/4" pitches - page G43.

Corrosion resistant chains

A choice of nickel plated for mildly corrosive environments to stainless steel for the more severe conditions. Available in 1/4", 3/8", 1/2", 5/8", 3/4", and 1" pitches on page G44 to G47.

Sintered bushing chain

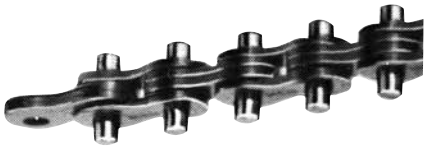
Made for slow speed applications where external lubrication is prohibited. Available in 1/2", 5/8", 3/4", and 1" pitches on pages G48 and G49.

High strength chains

For application where maximum strengths are required. Chains will fit standard ANSI sprockets. Available with heavy sidebars in 3/4" through 2 1/2" pitches on page G50.

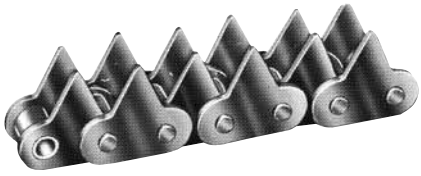
Wrench chain

Made same as leaf chain except with extended pins each side. Available in 5/8" pitch - page G50.



Agricultural chains

Made to ANSI B29.1 specifications, #80 sticker chain used primarily in the Agricultural industry on page G50.



HV

A Morse exclusive where heavy loads - to 6,000 horsepower are to be transmitted at moderate to high speeds over 10,000 feet per minute, and compact design is important. Offered in 3/8", 1/2", 3/4", 1", 1 1/2", and 2" pitches. Pages I-1 through I-20.

Silent chain

Made to ANSI B29.2 specifications. Designed to handle moderate speed application. Available in 3/16", 3/8", 1/2", 3/4", and 1" pitches. Pages I-20 through I-34.

G

MORSE® chain power transmission spectrum

Morse offers a complete line of chain drives to meet the challenge of industry today—as ever-increasing horsepowers, higher operating speeds, and ultra-precision timing are demanded by more and more modern chain users. Morse offers Roller Chain for high capacity at low to moderate speeds and HV Chain for highest capacity at high speeds. Silent Chain fills the need for smooth, silent drives at low to moderate speeds.

Note the typical power comparison shown in Fig. 1. Roller Chain climbs straight and rapidly to a peak in the RPM's where gas engines and electric motors are the prime movers. HV picks up just after Roller Chain has passed its peak and climbs gradually to a peak in the high speed diesel and gas turbine ranges. Silent chain fills out the spectrum, offering low to moderate horsepowers for applications where the speed requirement is marginal for roller chain.

Roller Chain and Silent Chain both offer the advantages of ANSI interchangeability and "off-the-shelf" delivery of the complete drive. HV offers the unique ability to carry tremendous loads at speeds far exceeding the capabilities of any other chain drive.

For speed, horsepower capacity, difficult drive conditions or just good economics, specify "Morse" for the optimum chain drive.

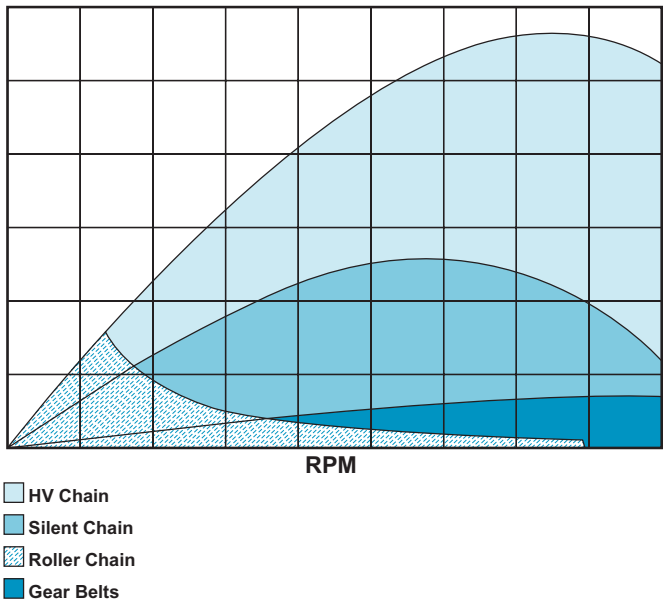


Fig. 1 Power Comparison

G

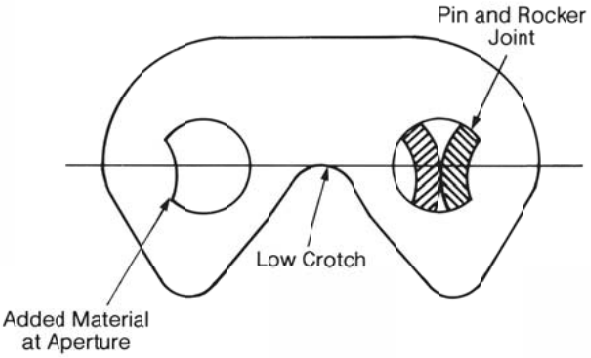
HV chain "SECTION I"

Morse® HV chain is ideal for applications where heavy loads-50 to 6000 horsepower—are to be transmitted at moderate to high speeds-over 10,000 feet per minute, and where compact design is important. Offered in 3/8", 1/2", 3/4", 1", 1 1/2", 2" pitch sizes, HV is a highly refined inverted tooth chain combining the smoothness of a belt with the compactness, economy, and long service life of a chain drive.

HV features a pin and rocker joint which, through its rolling action, reduces friction and provides pitch elongation. The result is the reduction of damaging chordal action and a significant increase in horsepower capacity.

HV links have more metal at the aperture, a lower crotch, and are shot peened and prestressed for greater load carrying capacity.

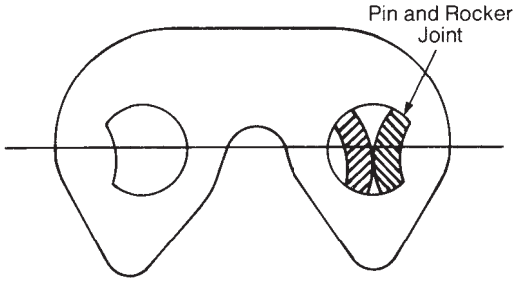
HV offers three times the horsepower capacity of silent chain and a greater speed range. At higher speeds where roller chain capacity drops off rapidly, HV capacity is increasing. HV therefore, has a significant dollar advantage in many instances. HV should be considered for all power transmission requirements involving high speed prime movers such as diesel engines or gas turbines. Morse HV is your best buy for high capacity, high speed mechanical power transmission.



Silent chain "Section I"

Morse® SC Chain is available in American National Standards Institute SC pitches from 3/16" to 1". For all power transmitting SC chain except 3/16" pitch, Morse uses a special rocker-pin joint. This joint is superior for power transmission because the motion between the rocker-pin parts during articulation is a rolling action rather than the high friction, power wasting sliding action that is characteristic of round pin joints. This joint design therefore minimizes heat and wear rates and makes possible maximum speed, loads, and life for Morse silent chain. In 3/16" pitch, these undesirable factors are minimal, and a round pin joint is utilized to facilitate manufacture and assembly. In motion transmitting chains such as duplex chain, Morse has available a round pin joint to allow backbending.

Applications range from home movie projector drives to small turbine drives.



Roller chain

Morse® Roller Chain covers fractional to 3000 horsepower applications, and transmits power up to a speed of 10,000 feet per minute depending on chain size. It is offered in ANSI standard pitches from #25 to #240.

Since endurance limit of the sideplates dictates the maximum capacity of roller chain, Morse has implemented engineering and manufacturing effort to strengthen the sideplates against fatigue and help increase the endurance limit of Morse roller chain (see Fig. 2). Combining contour design and precision blanking, ballizing and shot-peening, and the latest methods of heat treatment and assembly, Morse markets roller chain featuring greater resistance and increased endurance limit. This results in the high capacity peaks presented in the curves.

At speeds beyond the curve peaks, roller chain capacity is limited by roller impact (see Fig. 3). To help prevent roller breakage and early chain failure, Morse shot-peens its rollers to create a favorable state of compressive residual stress on the surface and eliminate surface cracks and blemishes.

The round pin joint inherent in roller chain design limits the speed range of roller chain due to joint galling (see Fig. 3) caused by friction between the pin and bushing as the joint articulates at high speeds.

As the chain pitch gets larger, the maximum permissible speed decreases; for example, using 25 tooth sprockets, #40 attains speeds to 6770 f.p.m. whereas #80 attains speeds to 5000 f.p.m. For the joint design, Morse features equal load distribution over a large projected bearing area—minimizing unit load and wear rate. The heavy-walled bushings have maximum resistance to fatigue during operation and to distortion during assembly into side plates under heavy press fits. The Morse pins are hardened and ground to rigid tolerances to assure uniform contact with the mating bushing surface.

Roller Chain should be used for application requiring high horsepower at lower speeds. It is usually more economical to employ a multiple strand Roller Chain than HV for extremely high capacity applications under 3000 f.p.m. Within its capacity and speed ranges, Morse roller chain is your best purchase.

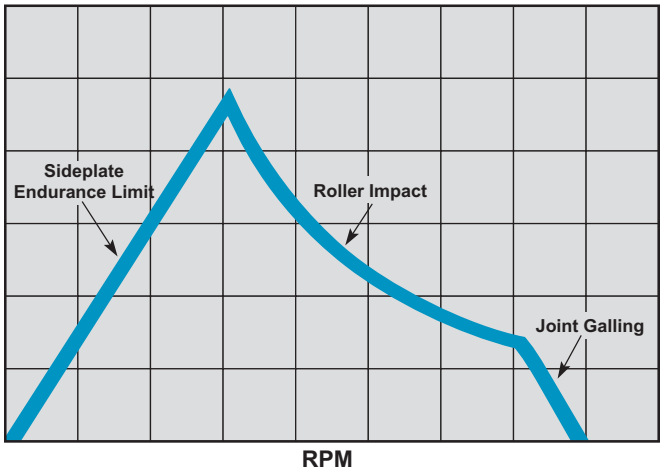


Fig. 3 Morse Roller Chain

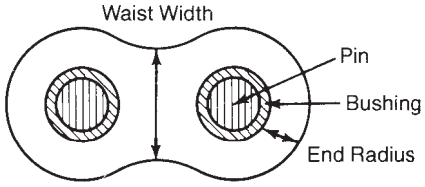
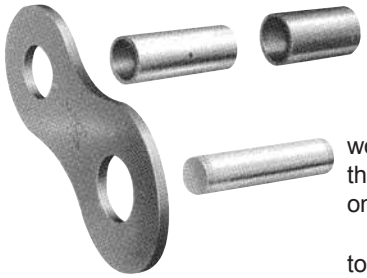


Fig. 2



At Emerson, we're not satisfied with just being "good enough;" we've earned our reputation as the smart choice in chain through constant attention to detail, and we're not about to let up. When all is said and done, it's obvious that one of the keys to building a better chain is to build superior chain components.

We've all heard the old saying—"A chain is only as strong as its weakest link." Substitute the word "pin," "bushing," or "roller" for "link," and it would still be just as true. It really is the little things that can make or break any chain application. No matter how expert the assembly, just one inferior chain component could cost you thousands of dollars in maintenance and downtime.

That's why Emerson takes extra care of each and every chain component to insure your total satisfaction. We pay attention to even the smallest consideration because we know you can't afford premature chain failure.

Links

Morse® pin and roller links feature an optimal shape for both weight and strength considerations.

Link apertures go through a series of important processes, including precision piercing, shaving and ballizing. This extra effort pays dividends in the form of a straight, smooth, fatigue-resistant surface finish which improves pin contact and retention. Adding to Morse's superior strength and wear life is the carefully controlled selection of materials and heat treatment.

Like most engineering societies worldwide, Morse has recognized shot peening as an effective means of extending life in machine components. Studies show this technique to greatly improve crack resistance by compressing the link's surface.

Pins

Morse® end pins provide easy entry for precision assembly. Precision grinding and controlled case hardening add to Morse's extended wear life.

Bushings

Surface finish on the Morse® bushings makes the competition look downright dirty. The smooth, clean finish helps keep us in service long after the others have faded away.

A stronger core and hardened surface make the Morse bushing a tough case to crack, even under adverse operating conditions.

The round shape, both inside and outside, improves the surface contact with both the pin and roller. This results in less wear and longer life.

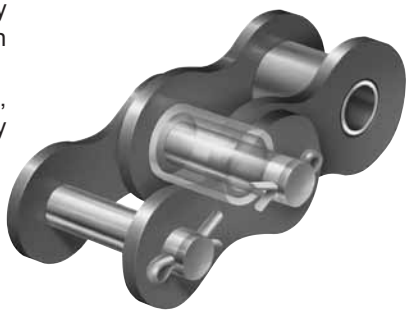
Rollers

Loads that destroy many competitive rollers are confidently handled by durable Morse® rollers. We have designed the optimal wall thickness to reduce roller weight; shot peening is applied to improve finish and impact strength. Morse's processes further enhance impact fatigue resistance.

Now, you've seen what kind of effect component quality can have on your application, but there's more to making great chain than just having the right parts.

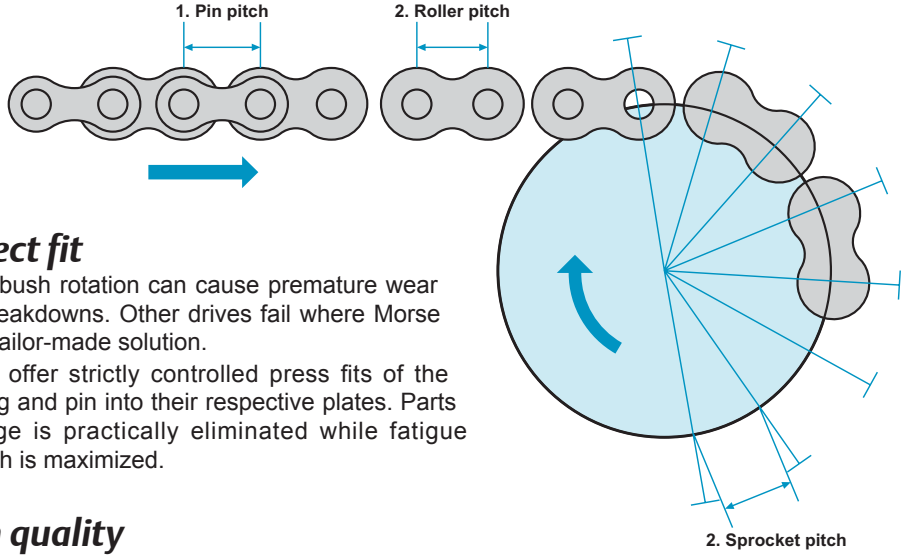
We could make our chain out of 14-karat gold, but it wouldn't mean a thing if the assembly technology wasn't up to those same solid gold standards. It's the combination of precision parts and design expertise that puts Morse in a class by itself.

To many other chain suppliers, assembly is just a final detail before shipping. To Morse, there's nothing more important than seeing that your chain comes together in such a way that it stays together



Controlled pitch

Morse® chain strikes a unique pitch balance between the roller link and pin link assemblies. Our studies have shown that only the pin link section experiences elongation due to wear, so this section is designed to be initially shorter. By making a special allowance for this elongation or "stretch," the Morse chain drive wears longer and smoother than competitive models. Pitch control also helps insure optimal alignment with sprockets.



1. **Morse chain compensates for wear elongation in pin link section.**
2. **Roller and sprocket pitch remain relatively constant.**

Perfect fit

Pin or bush rotation can cause premature wear and breakdowns. Other drives fail where Morse has a tailor-made solution.

We offer strictly controlled press fits of the bushing and pin into their respective plates. Parts slippage is practically eliminated while fatigue strength is maximized.

High quality

The high quality and superior performance of Morse chain permits the designer to optimize the selection of a drive. Consult Technical Service to review the application and assist in selecting the optional chain drive.

You've got two very different chain applications. You go to two different chain suppliers, right? Wrong! You only need one if you choose Morse.

Automotive
Bakery Machinery
Brick & Clay Equipment
Conveying
Cotton Picker
Cranes & Hoists
Fans
Fire Truck Pumps
Grain Mill Machinery
Logging
Machine Tools
Marine Drives
Motorcycle
Printing Machinery Pumps
Sticker Stokers
Tomato Carrier
Tractor
Wrench

Higher standards

When other companies say "standard," they usually mean a small handful of prepackaged, high volume chain sizes and that's it. Morse®, however, sets a new standard for different types and sizes of chain.

For instance, Morse® provides LEAF chain, a necessity for certain material handling applications. And our extensive attachment chain line provides a variety of simple solutions to difficult conveying problems.

For corrosive environments, choose from non-metallic, sintered bush, nickel-plated and stainless steel chains. They're all built strong to last longer than competitive chains.

Custom is customary

Unlike other chain suppliers, we aren't afraid to take on the tough jobs, the ones that don't fit into any simple category. Our engineering know how and versatility allow us to provide custom chain for vitually any situation. Like the huge HV chains that drive a stern wheel showboat. Or the precision roller chain timing chains in your car or truck.

They're all as unique as you are, and they're all provided by Morse.

Inverted tooth offers more bite than ever "Section I"

For transmitting high horsepower in a small space, consider our many HV inverted tooth chain options. Now, with greater HP ratings than ever before, you can't afford not to look at Morse HV chain for your special use.

Engineered specifically for each individual application, the Morse HV drives are popular for recreational vehicles, airport servicing equipment, motorcycles and a variety of stationary industrial installations.

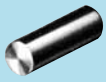
As the pioneer in this field, Morse has become so experienced at designing these custom HV drives that delivery time is usually the same as that of an off-the-shelf product. In fact, HV chain and sprockets are available from stock.

From pipe spinners to flood control pumps to gas turbine starter drives, applications in need of high speed performance with a greater load capacity count on Morse HV chain for smooth, quiet, cost-efficient operation.

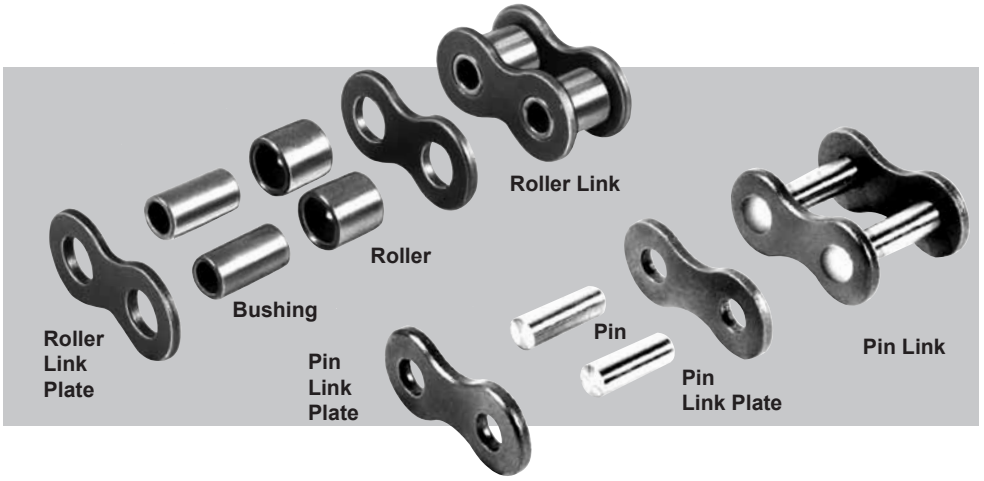
Morse® silent chain is another inverted tooth type drive available in several standard sizes. It will transmit power as smoothly as a belt at speeds up to 10,000 rpm. 3/16" pitch silent chain

has successfully powered photocopying equipment, packaging machinery and missile launchers.

With so many choices, how do you decide what's right for you? Let us provide our expert application assistance. Like our product offering, engineering service sets us apart from the competition.

	Feature	*Contributes to:*
Links	Link contour size & shape optimization Apertures Shaved Carbon restoration heat treat cycle Shot peening Apertures ballized	Tensile & fatigue strength Finish & Bearing .. Fatigue strength Uniform hardness .. Higher fatigue strength Fatigue strength Improved fatigue strength thru imparted residual stresses.
Pins 	Alloy steels Controlled case hardening Precision grinding	Optimum wear, strength, & fatigue strength Optimum balance between a hard, long wearing surface and a tough, high strength core Optimum wear, strength, & fatigue strength
Bushings	Heavy wall "Extrude" processing Controlled case hardening	Greater strength, impact resistance Uniform wall for consistent pitch Round bore for superior bearing surface Optimum link-bushing fit for improved retention and fatigue life. Optimum case depth and hardness control for long wear life plus tough, impact resistant core.
Rollers	Extruded rollers — 1 1/4 " pitch type drive thru 2" pitch Customized heat treat cycles Shot peening	Highest impact fatigue resistance Extended wear life & higher fatigue life Improved impact fatigue resistance
Assembly	Machine inspection Automatic assembly In-line pre-stress	Qualified components & sub-assemblies Consistently uniform assembly Every component in every pitch carries its proportionate share of load Improved endurance strength thru imparted residual stresses
Petrolatum Dipping	Hot-dip—low viscosity soak	Full penetration with maximum excess carry-off Good corrosion protection for maximum shelf life Assures joint lubrication for initial start-up
Material procurement and control	Constant surveillance of the suppliers' facilities, as well as continuing material inspections in process at Emerson, helps assure that the customer will receive a chain that is manufactured from the highest quality materials available.	

Chain Assembly



Connecting links

Standard ("C") has a removable plate with a slip fit **("SF")** on the pins which allows easy assembly and disassembly. Depending on pitch this may be furnished with Spring Clip or Cotter Keys.
Optional ("CON") has a removable plate with a light press fit ("PF") on the pins. This is superior in service and used on heavy applications. This is furnished with Cotter Keys.

Connecting Link ("C" or "SF")

Connecting Link ("Con" or "PF")

Regular offset links

Regular Offset Links are used (one per chain) when a chain length contains an odd number of pitches. Regular Offset Links are standard for all pitches in both single-width and multiple width roller chains. The pin has a slip fit in both plates and is flat on one end to prevent rotation.

Single Pitch Offset Cotter Type

Two Pitch Offset Rivet Type

G

Power transmission and conveyor series

Pitch	Power Trans. Series (1)	Conveyor Series		Connecting Link Types			Connecting Links Furnished With Stock Lgth Chain	Offset Link
				"SF" Link (Slip Fit)		"PF" Link (Light Press Fit)		
		Standard	Large Rollers	Spirng Clip	Cotter	Cotter		Standard
1/4,3/8,1/2 & 5/8"	25,35,40,41,50	-	-	Standard	None	None	1 each 10'	Cotter
3/4"	60	-	-	Optional	Standard	Optional	1 each 10'	
1"	80	-	-	Optional	Standard	Optional	1 each 10'	
1 1/4, 1 1/2, 1 3/4"	100,120,140	-	-	None	Standard	Optional	1 each 10'	
2, 2 1/2"	160,200	-	-	None	Standard	Optional	1 each 10'	
1 & 1 1/4"	2040,2050	C-2040, C-2050	C-2042, C-2052	Standard	None	None	1 each 10'	
1 1/2"	2060	C-2060H	C-2062, C-2062HT	Optional	Standard	Optional	1 each 10'	
2"	2080	C-2080H	C-2082H	None	Standard	Optional	1 each 10'	
2 1/2" & 3"	None	C-2100H, C-2120H	C-2102H, C-2122H	None	Standard	Optional	1 each 10'	

(1) Includes Standard, "M", Sintered Bush, and Double Pitch
Note: Use of Slip Fit and offset connecting links should be avoided in highly loaded drives.
Heavy, "8" Heavy, 60 and above are light press fit connectors.

Nickel plate and stainless steel

Pitch	Chain Number	Connecting Link Types			Connecting Links Furnished With Stock Lgth Chain	Offset Link
		"SF" Link (Slip Fit)		"PF" Link (Light Press Fit)		
		Spring Clip	Cotter	Cotter		Standard
3/8",1/2" & 5/8"	35N, 40N, 50N	Standard	None	None	1 each 10'	Cotter
3/4"	60N	None	Standard	None	1 each 10'	Cotter
3/8"	35SS	Standard	None	None	1 each 10'	2 Pitch Rivet
1/2", 5/8" & 3/4"	40SS, 50SS, 60SS	None	Standard	None	1 each 10'	2 Pitch Rivet

Packaged chain

Morse pioneered "off-the-shelf" merchandising of packaged chain-Morse brings you in addition to Roller Chain packaging -Silent Chain, HV Chain, and the packaging of roller chain parts in individual **"POLY-PACK"** polyethylene marked packages. Stock picking and inventory taking problems are greatly reduced with the Morse easy to read packages and cartons.

Roller chain

ANSI No.	Pitch	Single Strand						Double Strand		Triple Strand		Quad Strand	
		Box	Wt. (Lbs.)	Reel	Wt. (Lbs.)	Reel	Wt. (Lbs.)	Length	Wt. (Lbs.)	Length	Wt. (Lbs.)	Length	Wt. (Lbs.)
25	1/4"	10'	2.0										
35	3/8"	10'	2.5	50'	12.9	100'	24	10'	4.7	10'	6.6	10'	8.9
41	1/2"	10'	3.1	50'	15.5	100'	30						
40	1/2"	10'	4.4	50'	22.8	100'	45	10'	8.8	10'	12.4	10'	17.1
50	5/8"	10'	7.1	50'	37.8	100'	72	10'	13.9	10'	20.5	10'	29.0
60	3/4"	10'	10.5	50'	66.0	100'	106	10'	20.5	10'	29.0	10'	39.0
80	1"	10'	17.6	50'	90.0	*100'	167	10'	34.9	10'	50.5	10'	65.0
100	1 1/4"	10'	27.0	*50'				10'	54.0	10'	80.0	10'	108.0
120	1 1/2"	10'	39.0	*50'	—	—	—	10'	82.0	10'	121.0	10'	160.0
140	1 3/4"	10'	49.0					10'	108.0	10'	155.0	10'	214.0
160	2"	10'	64.0					10'	133.0	10'	199.0	10'	265.0
200	2 1/2"	10'	107.0	—	—	—	—	10'	215.0	10'	315.0	10'	420.0

Stainless Steel Chain 35-SS thru 60-SS
Sintered Bushed Chain 40-SB thru 80-SB } Packaged same as above (single strand only).
Heavy Series Roller Chain-Single, double, triple, and quad strand packaged in 10' lengths.
*Rivet Construction

Double pitch chain

Chain No.	Box	Reel	Wt. (Lbs.)		Chain No.	Box	Reel	Wt. (Lbs.)		Chain No.	Box	Wt. (Lbs.)
			Box	Reel				Box	Reel			
2040 C-2040	10'	100'	3.0 3.4	30.0 34.0	2060 C-2060H	10'	100'	7.0 10.1	70.0 101.0	C-2100H C-2102H	10'	24.7 39.6
C-2042	10'	-	5.8	-	C-2062H	10'	-	14.8	-			
2050 C-2050	10'	100'	5.0 5.6	50.0 56.0	2080 C-2080H	10'	-	12.2 16.7	-	C-2120H C-2122H	10'	35.6 55.6
C-2052	10'	-	8.8	-	C-2082H			24.0				

Silent chain

Pitch	Chain No.	Box	Weight In Pounds
3/8"	SC-302	10'	3.8
	SC-303	10'	5.6
	SC-304	10'	7.5
	SC-305	10'	9.4
	SC-306	10'	12.5
	SC-308	10'	15.0
1/2"	SC-403	10'	7.5
	SC-404	10'	10.0
	SC-405	10'	12.5
	SC-406	10'	15.0
	SC-408	10'	20.0
	SC-410	10'	25.0
	SC-412	10'	30.0
	SC-414	10'	35.0

Pitch	Chain No.	Box	Weight In Pounds
3/4"	SC-606	10'	25.0
	SC-608	10'	30.0
	SC-610	10'	37.5
	SC-612	10'	45.0
	SC-616	10'	60.0
	SC-620	10'	75.0
1"	SC-812	10'	60.5
	SC-816	10'	82.0
	SC-820	10'	102.0
	SC-824	10'	122.0

Stock Chain is supplied with one-connecting link set. Additional connecting link sets sold only in package **("POLY-PACK")** quantities.
Package quantities: (25) for 3/8" and 1/2" pitch: (10) for 3/4" pitch: (5) for 1" pitch. Offsets are in **"POLY-PACK"** with one offset link per pack.
NOTE: HV chain package lengths - Section I.

Roller chain parts

ANSI No.	Pitch	Part-Name (Link)	Single Strand *Qty. per box	Wt. (Lb.) per pkg	Double Strand *Qty per box	Wt. (Lb.) per pkg.	Triple Strand *Qty per box	Wt. (Lb.) per pkg.	Quad. Strand *Qty per box	Wt. (Lb.) per pkg.
25	1/4"	Conn.	10	0.05						
		Bush.	10	0.05						
		Offset	10	0.10						
35†	3/8"	Conn.	25	0.4	10	0.3	5	0.2	5	1.0
		Bush.	25	0.4						
		Offset	25	0.4	10	0.3	5	0.2	5	.03
41†	1/2"	Conn.	25	0.5						
		Roller	25	0.5						
		Offset	25	0.5						
40†	1/2"	Conn.	25	0.6	10	0.5	5	0.6	5	.06
		Roller	25	0.8						
		Offset	25	0.8	10	0.5	5	0.6	5	.07
50†	5/8"	Conn.	25	1.0	10	0.6	5	0.5	5	.12
		Roller	25	1.3						
		Offset	25	1.3	10	1.0	5	0.6	5	.15
60†	3/4"	Conn.	25	1.6	10	1.6	5	0.8	5	.21
		Roller	25	2.0						
		Offset	25	2.0	10	1.6	5	1.0	5	.27
80	1"	Conn.	20	2.8	5	1.5	2	0.7	2	.49
		Roller	20	3.5						
		Offset	20	3.5	5	1.5	2	1.0	2	.63
100	1 1/4"	Conn.	5	1.5	2	1.0	2	1.5	2	.90
		Roller	5	1.8						
		Offset	5	1.8	2	1.2	2	1.9	2	1.17
120	1 1/2"	Conn.	5	2.3	2	1.6	2	2.5	2	1.58
		Roller	5	3.0						
		Offset	5	2.9	2	2.0	2	3.2	2	2.06
140	1 3/4"	Conn.	2	1.5	2	2.4	1	1.8	1	2.38
		Roller	2	1.8						
		Offset	2	1.8	2	3.2	1	2.3	1	3.10
160	2"	Conn.	2	2.1	2	3.8	1	2.7	1	3.59
		Roller	2	2.7						
		Offset	2	2.7	2	4.8	1	3.2	1	4.35
200	2 1/2"	Conn.	1	2.1	1	3.8	1	5.7	1	7.51
		Roller	1	2.8						
		Offset	1	2.7	1	4.9	1	7.1	1	9.41

* Multiple strand chains use single strand roller links; all parts are **"POLY-PACK"**
† Spring clips are available for # 35 through #60 at 50 per pack.

Sintered Bushed Chain 40-SB thru 60-SB Packaged same as above
Nickel Plated Chain 35N thru 60N Packaged same as above
STANDARD CARBON STEEL STOCK ATTACHMENTS - 1 pc/package

Heavy series parts

ANSI No.	Pitch	Part-Name (Link)	Single Strand *Qty per box	Wt. (Lb.) per pkg.	Double Strand *Qty per box	Wt. (Lb.) per pkg.	Triple Strand *Qty per box	Wt. (Lb.) per pkg.	Quad Strand *Qty per box	Wt. (Lb.) per pkg.
60H	3/4"	Conn.	5	0.35	5	0.13	5	0.20	5	0.26
		Roller	5	0.50		0.50		0.50		0.50
		Offset	5	0.43	5	0.16	5	0.24	5	0.33
80H	1"	Conn.	5	0.76	5	0.30	5	0.44	5	0.58
		Roller	5	0.90		0.90		0.90		0.90
		Offset	5	0.84	5	0.37	5	0.55	5	0.73
100H	1 1/4"	Conn.	2	0.56	2	0.53	2	0.79	2	1.05
		Roller	2	0.67		0.67		0.67		0.67
		Offset	2	0.80	2	0.68	2	1.01	2	1.34
120H	1 1/2"	Conn.	2	1.00	2	0.91	2	1.35	2	1.78
		Roller	2	1.20		1.20		1.20		1.20
		Offset	2	1.20	2	1.17	2	1.74	2	2.32
140H	1 3/4"	Conn.	2	1.90	2	1.35	2	2.00	2	2.65
		Roller	2	1.90		1.90		1.90		1.90
		Offset	2	2.00	2	1.78	2	2.65	2	3.52
160H	2"	Conn.	2	2.02	2	1.98	2	2.94	2	3.90
		Roller	2	2.67		2.67		2.67		2.67
		Offset	2	2.63	2	2.59	2	3.86	2	5.13
200H	2 1/2"	Conn.	1	2.28	1	3.57	1	5.69	1	8.65
		Roller	1	3.00		3.00		3.00		3.00
		Offset	1	2.87	1	5.63	1	8.39	1	11.15

* Multiple strand chains use single strand roller links; all parts are **"POLY-PACK"**

Stainless steel parts

ANSI No.	Pitch	Part Name (Link)	Single Strand "Qty" per box	Wt. (Lb) per pkg	ANSI No.	Pitch	Part Name (Link)	Single Strand "Qty" per box	Wt. (Lb) per pkg.
25SS	1/4"	Conn.	25	.13	41SS	1/2"	Conn.	25	.29
		Roller	25	.13			Roller	25	.50
		Offset	10	.10			Offset	10	.50
35SS	3/8"	Conn.	25	.20	50SS	5/8"	Conn.	25	1.00
		Roller	25	.40			Roller	25	1.30
		Offset	10	.80			Offset	10	.90
40SS	1/2"	Conn.	25	.60	60SS	3/4"	Conn.	25	1.60
		Roller	25	.60			Roller	25	2.00
		Offset	10	.60			Offset	10	1.60
					80SS	1"	Conn.	25	3.25
							Roller	25	4.10
							Offset	10	3.25

All parts are "POLY-PACK"

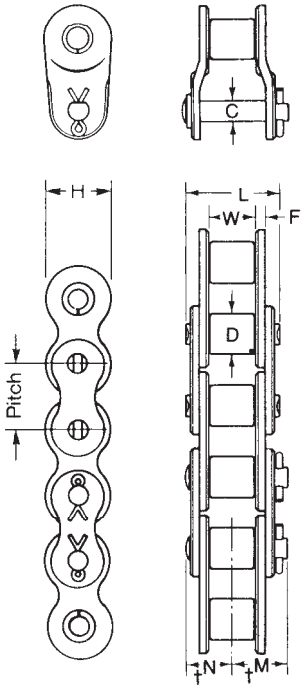
Double pitch parts

ANSI	Pitch	Part-Name (Link)	Qty. per box	Wt. (Lb.) per pkg.
2040	1"	Conn.	5	.2
C-2040		Roller	5	.2
		Offset	5	.2
		Conn.	5	.2
C-2042†	1"	Roller	1	.1
		Offset	1	.1
2050	1 1/4"	Conn.	5	.4
C-2050		Roller	5	.4
		Offset	5	.4
		Conn.	5	.4
C-2052†	1 1/4"	Roller	1	.1
		Offset	1	.1
2060	1 1/2"	Conn.	5	.5
		Roller	5	.5
		Offset	5	.5
		Conn.	5	.6
C-2060H	1 1/2"	Roller	5	.7
		Offset	5	.7
		Conn.	5	.6
		Roller	1	.3
C-2062H†	1 1/2"	Offset	1	.2
2080	2"	Conn.	5	1.5
		Roller	5	1.2
		Offset	5	1.1
		Conn.	5	1.5
C-2080H	2"	Roller	5	1.5
		Offset	5	1.5
		Conn.	5	1.5
C-2082H†	2"	Roller	1	.5
		Offset	1	.4
C-2100H	2 1/2"	Conn.	2	1.1
		Roller	2	1.1
		Offset	2	1.1
		Conn.	2	1.1
C-2102H†	2 1/2"	Roller	1	1.2
		Offset	1	.8
		Conn.	1	0.9
C-2120H	3"	Roller	1	0.9
		Offset	1	0.9
		Conn.	1	0.9
C-2122H†	3"	Roller	1	2.1
		Offset	1	1.4

† Large roller conveyor series chain uses same Connecting Link as Conveyor series chain; all parts are **"POLY-PACK"**

Standard series-single strand

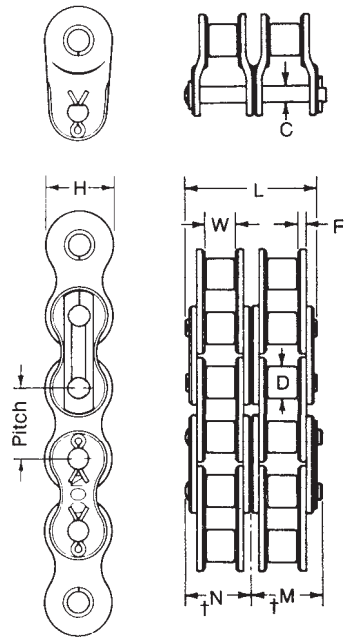
Catalog No.	Dimensions (Inches)									Average Tensile Strength	Weight Per Foot
	Pitch	W-Roller Width	D-Roller Dia.	C-Pin Dia.	F-Plate Thick-ness	L-Width Over Pins	H-Inside Plate Height	†N	†M		
*25	1/4	1/8	.130	.0905	.030	.312	.234	.156	.188	875	.09
*35	3/8	3/16	.200	.141	.050	.466	.350	.233	.267	2,100	.21
41	1/2	1/4	.306	.141	.050	.512	.383	.256	.322	2,000	.25
40	1/2	5/16	.312	.156	.060	.630	.466	.315	.380	3,700	.42
50	5/8	3/8	.400	.200	.080	.790	.584	.395	.460	6,100	.69
60	3/4	1/2	.468	.234	.094	.990	.700	.495	.586	8,500	1.00
80	1	5/8	.625	.312	.125	1.274	.934	.637	.741	14,500	1.71
100	1 1/4	3/4	.750	.375	.156	1.555	1.166	.778	.923	24,000	2.58
120	1 1/2	1	.875	.437	.187	1.960	1.400	.980	1.150	34,000	3.87
140	1 3/4	1	1.000	.500	.219	2.117	1.634	1.059	1.215	46,000	4.95
160	2	1 1/4	1.125	.562	.250	2.522	1.866	1.261	1.451	58,000	6.61
200	2 1/2	1 1/2	1.562	.781	.312	3.120	2.250	1.560	1.777	95,000	10.96
Heavy series-single strand											
60-H	3/4	1/2	.468	.234	.125	1.115	.700	.558	.627	8,500	1.22
80-H	1	5/8	.625	.312	.156	1.400	.934	.700	.804	14,500	2.03
100-H	1 1/4	3/4	.750	.375	.187	1.684	1.166	.842	.986	24,000	3.00
120-H	1 1/2	1	.875	.437	.219	2.090	1.400	1.045	1.214	34,000	4.30
140-H	1 3/4	1	1.000	.500	.250	2.241	1.634	1.121	1.276	46,000	5.50
160-H	2	1 1/4	1.125	.562	.281	2.646	1.866	1.323	1.513	58,000	7.20
200-H	2 1/2	1 1/2	1.562	.781	.375	3.374	2.334	1.687	1.904	95,000	12.30



* Rollerless

Standard series-double strand

Catalog No.	Dimensions (Inches)									Average Tensile Strength	Weight Per Foot
	Pitch	W-Roller Width	D-Roller Dia.	C-Pin Dia.	F-Plate Thick-ness	L-Width Over Pins	H-Inside Plate Height	†N	†M		
*35-2	3/8	3/16	.200	.141	.050	.866	.350	.433	.467	4,200	.40
40-2	1/2	5/16	.312	.156	.060	1.215	.466	.597	.662	7,400	.82
50-2	5/8	3/8	.400	.200	.080	1.507	.584	.753	.832	12,200	1.36
60-2	3/4	1/2	.468	.234	.094	1.893	.700	.947	1.038	17,000	1.99
80-2	1	5/8	.625	.312	.125	2.432	.934	1.216	1.320	29,000	3.40
100-2	1 1/4	3/4	.750	.375	.156	2.963	1.166	1.482	1.625	48,000	5.10
120-2	1 1/2	1	.875	.437	.187	3.749	1.400	1.874	2.047	68,000	7.65
140-2	1 3/4	1	1.000	.500	.219	4.041	1.634	2.020	2.187	92,000	9.80
160-2	2	1 1/4	1.125	.562	.250	4.827	1.866	2.414	2.625	116,000	13.10
200-2	2 1/2	1 1/2	1.562	.781	.312	5.937	2.250	2.968	3.281	190,000	21.50
Heavy series-double strand											
60-2H	3/4	1/2	.468	.234	.125	2.148	.700	1.074	1.166	17,000	2.41
80-2H	1	5/8	.625	.312	.156	2.688	.934	1.344	1.448	29,000	4.00
100-2H	1 1/4	3/4	.750	.375	.187	3.228	1.166	1.614	1.758	48,000	5.70
120-2H	1 1/2	1	.875	.437	.220	4.019	1.400	2.009	2.179	68,000	8.40
140-2H	1 3/4	1	1.000	.500	.250	4.301	1.634	2.150	2.307	92,000	10.80
160-2H	2	1 1/4	1.125	.562	.281	5.087	1.866	2.593	2.684	116,000	14.20
200-2H	2 1/2	1 1/2	1.562	.781	.375	6.462	2.334	3.231	3.448	190,000	24.30



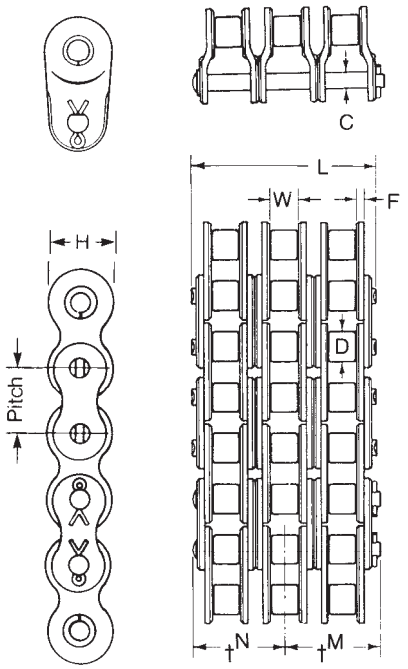
* Rollerless

All sizes available in Riveted construction. Sizes 60 and above available in Cottered construction. Please specify desired construction when ordering.

Standard multiple-strand chains are supplied with loose-fit center plates. Morse press-lit center plates are available on special order.

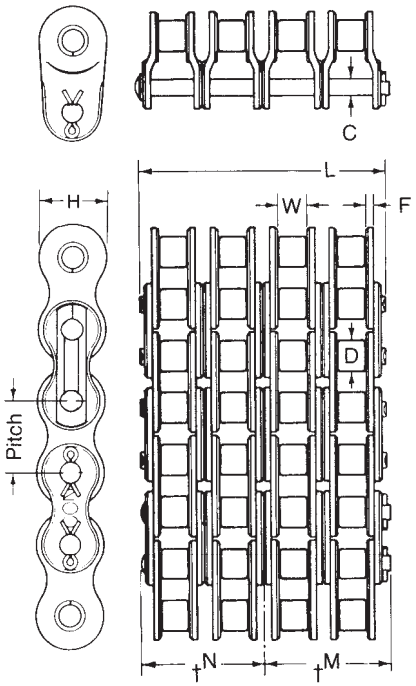
Chains on this page should not be used for Hoisting applications. Consult Morse for Hoist application recommendations.

† For cotter chain and connector link clearance.



Standard series-triple strand

Catalog No.	Dimensions (Inches)									Average Tensile Strength	Weight Per Foot
	Pitch	W-Roller Width	D-Roller Dia.	C-Pin Dia.	F-Plate Thick-ness	L-Width Over Pins	H-Inside Plate Height	†N	†M		
35-3*	3/8	3/16	.200	.141	.050	1.265	.350	.632	.703	6,300	.66
40-3	1/2	5/16	.312	.156	.060	1.780	.466	.880	.968	11,100	1.23
50-3	5/8	3/8	.400	.200	.080	2.220	.584	1.110	1.203	18,300	2.02
60-3	3/4	1/2	.468	.234	.094	2.790	.700	1.395	1.500	25,500	2.96
80-3	1	5/8	.625	.312	.125	3.585	.934	1.792	1.905	43,500	5.09
100-3	1 1/4	3/4	.750	.375	.156	4.371	1.166	2.186	2.329	72,000	7.61
120-3	1 1/2	1	.875	.437	.187	5.538	1.400	2.769	2.938	102,000	11.43
140-3	1 3/4	1	1.000	.500	.219	5.965	1.634	2.982	3.156	138,000	14.63
160-3	2	1 1/4	1.125	.562	.250	7.132	1.866	3.566	3.782	174,000	19.58
200-3	2 1/2	1 1/2	1.562	.781	.312	8.754	2.250	4.377	4.704	285,000	32.04
Heavy series-triple strand											
60-3H	3/4	1/2	.468	.234	.125	3.176	.700	1.588	1.680	25,500	3.60
80-3H	1	5/8	.625	.312	.156	3.971	.934	1.985	2.090	43,500	6.00
100-3H	1 1/4	3/4	.750	.375	.187	4.767	1.166	2.383	2.528	72,000	8.60
120-3H	1 1/2	1	.875	.437	.219	5.943	1.400	2.971	3.141	102,000	12.60
140-3H	1 3/4	1	1.000	.500	.250	6.356	1.634	3.178	3.334	138,000	16.10
160-3H	2	1 1/4	1.125	.562	.281	7.253	1.866	3.761	3.952	174,000	21.20
200-3H	2 1/2	1 1/2	1.562	.781	.375	9.545	2.334	4.772	4.990	285,000	36.20



Standard series-quadruple strand

Catalog No.	Dimensions (Inches)									Average Tensile Strength	Weight Per Foot
	Pitch	W-Roller Width	D-Roller Dia.	C-Pin Dia.	F-Plate Thick-ness	L-Width Over Pins	H-Inside Plate Height	†N	†M		
*35-4	3/8	3/16	.200	.141	.050	1.664	.350	.832	.906	8,400	.88
40-4	1/2	5/16	.312	.156	.060	2.345	.466	1.162	1.250	14,800	1.64
50-4	5/8	3/8	.400	.200	.080	2.933	.584	1.466	1.547	24,400	2.76
60-4	3/4	1/2	.468	.234	.094	3.688	.700	1.844	1.938	34,000	3.94
80-4	1	5/8	.625	.312	.125	4.738	.934	2.369	2.469	58,000	6.77
100-4	1 1/4	3/4	.750	.375	.156	5.779	1.166	2.889	3.031	96,000	10.12
120-4	1 1/2	1	.875	.437	.187	7.327	1.400	3.663	3.828	136,000	15.20
140-4	1 3/4	1	1.000	.500	.219	7.889	1.634	3.945	4.125	184,000	19.48
160-4	2	1 1/4	1.125	.562	.250	9.437	1.866	4.718	4.938	232,000	26.07
200-4	2 1/2	1 1/2	1.562	.781	.312	11.571	2.334	5.785	6.109	380,000	42.59
Heavy series-quadruple strand											
60-4H	3/4	1/2	.468	.234	.125	4.204	.700	2.102	2.194	34,000	4.80
80-4H	1	5/8	.625	.312	.156	5.524	.934	2.627	2.731	58,000	7.90
100-4H	1 1/4	3/4	.750	.375	.187	6.306	1.166	3.153	3.297	96,000	11.50
120-4H	1 1/2	1	.875	.437	.219	7.867	1.400	3.933	4.103	136,000	16.80
140-4H	1 3/4	1	1.000	.500	.250	8.411	1.634	4.205	4.362	184,000	21.50
160-4H	2	1 1/4	1.125	.562	.281	9.959	1.866	4.979	5.170	232,000	28.30
200-4H	2 1/2	1 1/2	1.562	.781	.375	12.628	2.334	6.314	6.531	380,000	48.20

* Rollerless

All sizes available in Riveted construction. Sizes 60 and above available in Cottered construction. Please specify desired construction when ordering.

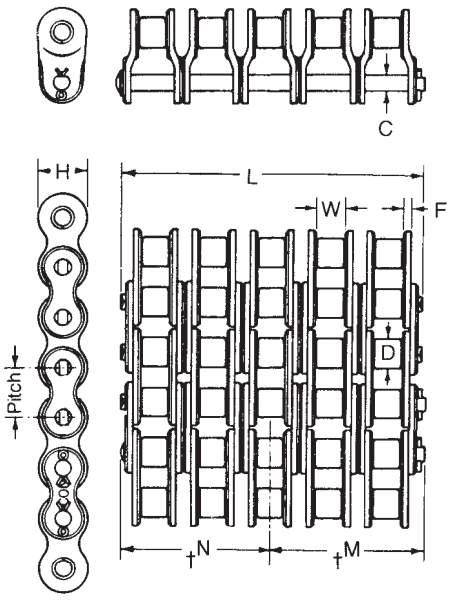
Standard multiple-strand chains are supplied with loose-fit center plates. Morse press-lit center plates are available on special order.

Chains on this page should not be used for Hoisting applications. Consult Morse for Hoist application recommendations.

† For cotter chain and connector link clearance.

Standard series-quintuple strand

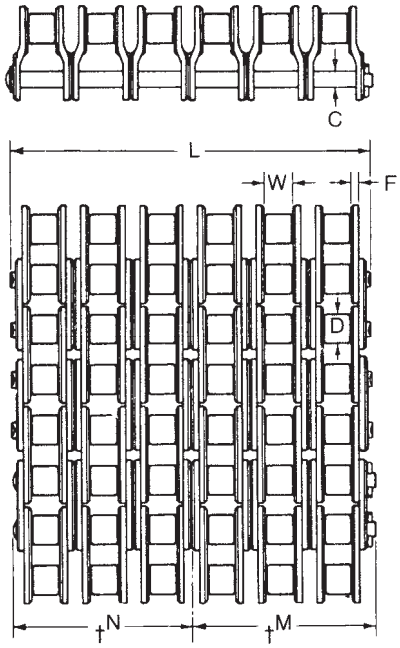
Catalog No.	Dimensions (Inches)									Average Tensile Strength	Weight Per Foot
	Pitch	W-Roller Width	D-Roller Dia.	C-Pin Dia.	F-Plate Thick-ness	L-Width Over Pins	H-Inside Plate Height	†N	†M		
60-5	3/4	1/2	.468	.234	.094	4.584	.700	2.292	2.384	42,500	4.92
80-5	1	5/8	.625	.312	.125	5.891	.934	2.945	3.050	72,500	8.46
100-5	1 1/4	3/4	.750	.375	.156	7.187	1.166	3.593	3.739	120,000	12.63
120-5	1 1/2	1	.875	.437	.187	9.116	1.400	4.558	4.728	170,000	18.98
140-5	1 3/4	1	1.000	.500	.219	9.813	1.634	4.906	5.063	230,000	24.33
160-5	2	1 1/4	1.125	.562	.250	11.742	1.866	5.871	6.061	290,000	35.56
heavy series-quintuple strand											
60-5H	3/4	1/2	.469	.234	.125	5.232	.700	2.616	2.708	42,500	5.99
80-5H	1	5/8	.625	.312	.156	6.537	.934	3.268	3.373	72,500	9.87
100-5H	1 1/4	3/4	.750	.375	.187	7.845	1.166	3.922	4.067	120,000	14.40
120-5H	1 1/2	1	.875	.437	.219	9.791	1.400	4.895	5.065	170,000	21.00
140-5H	1 3/4	1	1.000	.500	.250	10.466	1.634	5.233	5.389	230,000	26.80
160-5H	2	1 1/4	1.125	.562	.281	12.395	1.866	6.197	6.388	290,000	35.30



Standard series-sextuple strand

Catalog No.	Dimensions (Inches)									Average Tensile Strength	Weight Per Foot
	Pitch	W-Roller Width	D-Roller Dia.	C-Pin Dia.	F-Plate Thick-ness	L-Width Over Pins	H-Inside Plate Height	†N	†M		
60-6	3/4	1/2	.468	.234	.094	5.481	.700	2.740	2.833	51,000	5.90
80-6	1	5/8	.625	.312	.125	7.044	.934	3.522	3.626	87,000	10.15
100-6	1 1/4	3/4	.750	.375	.156	8.595	1.166	4.297	4.443	144,000	15.14
120-6	1 1/2	1	.875	.437	.187	10.905	1.400	5.452	5.623	204,000	22.76
140-6	1 3/4	1	1.000	.500	.219	11.737	1.634	5.868	6.025	276,000	29.18
160-6	2	1 1/4	1.125	.562	.250	14.047	1.866	7.023	7.214	348,000	39.05
Heavy series-sextuple strand											
60-6H	3/4	1/2	.469	.234	.125	6.260	.700	3.130	3.222	51,000	7.18
80-6H	1	5/8	.625	.312	.156	7.820	.934	3.910	4.014	87,000	11.84
100-6H	1 1/4	3/4	.750	.375	.187	9.384	1.166	4.692	4.836	144,000	17.30
120-6H	1 1/2	1	.875	.437	.219	11.715	1.400	5.857	6.027	204,000	25.20
140-6H	1 3/4	1	1.000	.500	.250	12.521	1.634	6.260	6.417	276,000	32.10
160-6H	2	1 1/4	1.125	.562	.281	14.831	1.866	7.415	7.606	348,000	42.30

Available in Riveted and Cottered construction. Please specify desired construction when ordering.
Standard multiple-strand chains are supplied with loose-fit center plates. Morse press-fit center plates are available on special order.
Chains on this page should not be used for Hoisting applications. Consult Morse for Hoist application recommendations.



† For cotter chain and connector link clearance.

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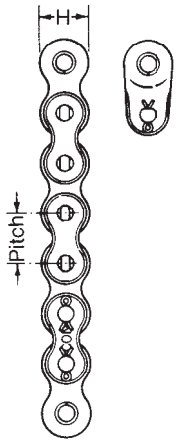
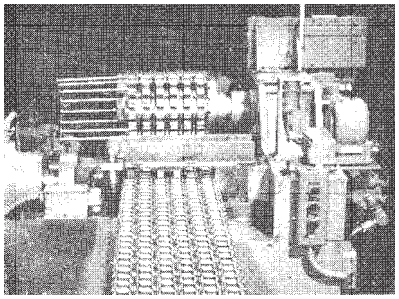


Standard series-octuple strand

Catalog No.	Dimensions (Inches)									Average Tensile Strength	Weight Per Foot
	Pitch	W-Roller Width	D-Roller Dia.	C-Pin Dia.	F-Plate Thick-ness	L-Width Over Pins	H-Inside Plate Height	†N	†M		
60-8	3/4	1/2	.468	.234	.094	7.275	.700	3.637	3.730	68,000	7.86
80-8	1	5/8	.625	.312	.125	9.350	.934	4.675	4.779	116,000	13.53
100-8	1 1/4	3/4	.750	.375	.156	11.411	1.166	5.705	5.851	192,000	20.16
120-8	1 1/2	1	.875	.437	.187	14.483	1.400	7.242	7.411	272,000	30.32
140-8	1 3/4	1	1.000	.500	.219	15.585	1.634	7.792	7.949	368,000	38.88
160-8	2	1 1/4	1.125	.562	.250	18.657	1.866	9.328	9.515	464,000	52.03

Standard multiple-strand chains are supplied with loose-fit center plates. Morse press-fit center plates are available on special order.
Available in Riveted construction. Please specify desired construction when ordering.
Chains on this page should not be used for Hoisting applications. Consult Morse for Hoist application recommendations.



Multiple strand with press-fit center plates

Multiple-strand chains are often required in severe, heavy-duty applications where fatigue strength is a vital factor. Years of study by Morse engineers have led to the development of the Morse® press-fit center-plate chain, the ultimate in design for long life in multiple-strand drives. Press-fitting center-plates introduces beneficial stresses into the chain which result in a greatly increased fatigue strength.

Morse press-fit center-plate chain is available on special order at no increase in price.

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ROLLER CHAIN ORDERING DATA

When ordering roller chains:

1. Always indicate complete length of chain, in pitches and feet, including connecting and/or offset links required If anything other than a single connecting link is required, it should be specified.

When connecting links or roller links are required on each end of the chain for a special application, indicate total number of pitches. in the chain including type of link required on each end of the chain.

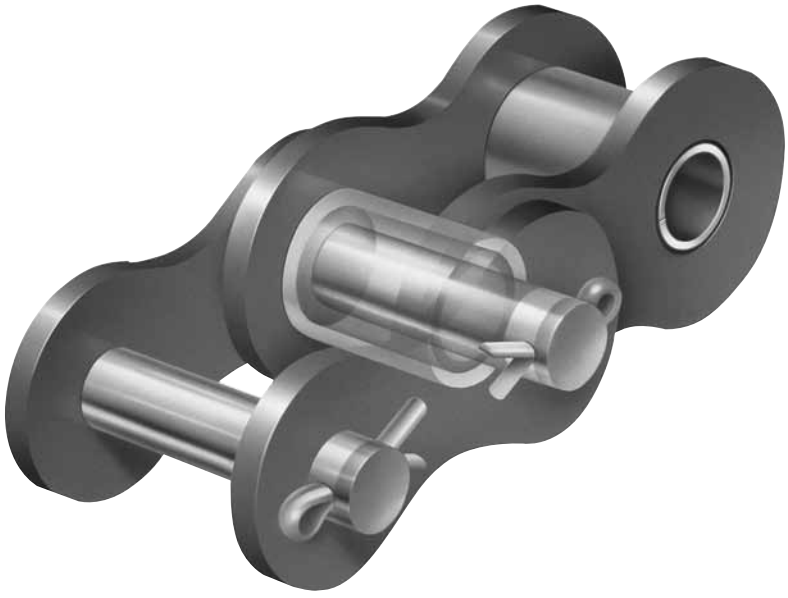
2. Bulk quantities for Roller Chains are shown on page G12

3. If a chain is required endless, indicate whether it is to be riveted endless (permanent connection) or connected with a connecting link (detachable). When an odd number of pitches are required in the chain to be connected endless, indicate whether single pitch (detachable) or two pitch (riveted) offset link is required.

Little things make the difference
and no one puts them all together like Morse

Morse has a true performance advantage that we prove with our precision made roller chain... and it's the little things that make the difference...

- **BALLIZED LINK APERTURES**
- **WIDE WAISTED LINKS**
- **SOLID EXTRUDED BUSHING**
- **CUSTOMIZED SHOT PEENING**
- **CHAIN PRE-STRESSING**
- **PRECISION ASSEMBLY**
- **CONTROLLED PITCH**
- **QUAD STAKED RIVETS**



To Morse, there's nothing more important than seeing that your chain comes together in such a way that it stays together.

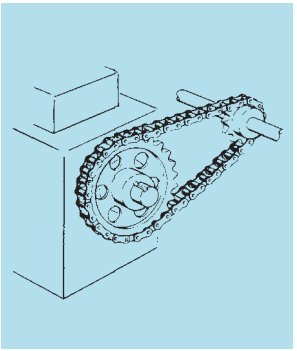
... a difference that will pay dividends in outstanding chain performance for years to come .

Selection of roller chain drives

1. Determine the R.P.M. and diameter of the high speed shaft.
2. Determine the Design H.P. to be transmitted after reference to the Table of Service Factors on Page G20.
3. Select the chain pitch and number of teeth in the small sprocket from the Horsepower Rating Tables.
   a. Be sure the small sprocket will accommodate the high speed shaft diameter.
   b. If the high speed shaft diameter exceeds the maximum bore in the selected small sprocket it will be necessary either to increase the number of teeth in the sprocket or select the next larger pitch chain.
4. Determine the required ratio:
   RPM high speed shaft / RPM slow speed shaft = Ratio
5. Multiply the number of teeth in the small sprocket by the ratio to obtain the number in the large sprocket. If a sprocket with the correct number of teeth is not listed, refer to the table, "Ratios Possible with Stock Sprockets" for the closest combination.

general recommendations on sprocket sizes

Unless speeds are low it is not advisable to use less than 15 teeth in the smaller sprocket. When ratios are low, relatively large sprockets may be used, giving less chain pull, lower bearing loads and less joint articulation. If, on the other hand, ratios and speeds are high, it may be necessary to use a relatively small number of teeth in the high-speed sprocket.



Ratios over 7:1 are generally not recommended for single roller chain drives. Very slow speed drives (10 to 100 RPM) are often practicable with as few as 9 or 10 teeth in the small sprocket, allowing ratios up to 12:1. In all cases where ratios exceed 5:1, the designer should consider the possibility of using compound drives to obtain maximum service life.

NOTE: Contact Technical Services for Application Assistance

Ratios possible with Morse® stock sprockets

number of teeth-driver sprocket	number of teeth-driver sprocket																		
	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
9	1.00																	
10	1.11	1.00																
11	1.22	1.10	1.00															
12	1.33	1.20	1.09	1.00														
13	1.44	1.30	1.18	1.08	1.00													
14	1.56	1.40	1.27	1.17	1.08	1.00												
15	1.67	1.50	1.36	1.25	1.15	1.07	1.00											
16	1.78	1.60	1.45	1.33	1.23	1.14	1.07	1.00										
17	1.89	1.70	1.55	1.42	1.31	1.21	1.13	1.06	1.00									
18	2.00	1.80	1.64	1.50	1.38	1.29	1.20	1.13	1.06	1.00								
19	2.11	1.90	1.73	1.58	1.46	1.36	1.27	1.19	1.12	1.06	1.00							
20	2.22	2.00	1.82	1.67	1.54	1.43	1.33	1.25	1.18	1.11	1.05	1.00						
21	2.33	2.10	1.91	1.75	1.61	1.50	1.40	1.31	1.23	1.17	1.10	1.05	1.00					
22	2.44	2.20	2.00	1.83	1.69	1.57	1.47	1.38	1.29	1.22	1.16	1.10	1.05	1.00				
23	2.56	2.30	2.09	1.92	1.77	1.64	1.53	1.44	1.35	1.28	1.21	1.15	1.10	1.05	1.00			
24	2.67	2.40	2.18	2.00	1.85	1.71	1.60	1.50	1.41	1.33	1.26	1.20	1.14	1.09	1.04	1.00		
25	2.78	2.50	2.27	2.08	1.92	1.79	1.67	1.56	1.47	1.39	1.32	1.25	1.19	1.14	1.09	1.04	1.00	
26	2.89	2.60	2.36	2.17	2.00	1.86	1.73	1.63	1.53	1.44	1.37	1.30	1.24	1.18	1.13	1.08	1.04	1.00
28	3.11	2.80	2.54	2.33	2.15	2.00	1.87	1.75	1.65	1.56	1.48	1.40	1.33	1.27	1.22	1.16	1.12	1.08
30	3.33	3.00	2.73	2.50	2.31	2.14	2.00	1.88	1.76	1.67	1.58	1.50	1.43	1.36	1.30	1.25	1.20	1.15
32	3.56	3.20	2.91	2.67	2.46	2.28	2.13	2.00	1.88	1.78	1.68	1.60	1.52	1.45	1.39	1.33	1.28	1.23
35	3.89	3.50	3.18	2.92	2.69	2.50	2.33	2.19	2.06	1.94	1.84	1.75	1.67	1.59	1.52	1.46	1.40	1.34
36	4.00	3.60	3.27	3.00	2.77	2.57	2.40	2.25	2.12	2.00	1.89	1.80	1.72	1.64	1.56	1.50	1.44	1.38
40	4.44	4.00	3.64	3.33	3.08	2.86	2.67	2.50	2.35	2.22	2.10	2.00	1.90	1.82	1.74	1.67	1.60	1.54
42	4.67	4.20	3.82	3.50	3.23	3.00	2.80	2.62	2.47	2.33	2.21	2.10	2.00	1.91	1.83	1.75	1.68	1.63
45	5.00	4.50	4.09	3.75	3.46	3.21	3.00	2.81	2.65	2.50	2.37	2.25	2.14	2.04	1.96	1.88	1.80	1.73
48	5.33	4.80	4.36	4.00	3.69	3.43	3.20	3.00	2.82	2.67	2.52	2.40	2.28	2.18	2.10	2.00	1.92	1.84
54	6.00	5.40	4.91	4.50	4.15	3.86	3.60	3.38	3.18	3.00	2.84	2.70	2.57	2.45	2.35	2.25	2.16	2.07
60	6.67	6.00	5.45	5.00	4.62	4.29	4.00	3.75	3.53	3.33	3.16	3.00	2.86	2.72	2.60	2.50	2.40	2.30
70	7.77	7.00	6.36	5.83	5.38	5.00	4.67	4.38	4.12	3.89	3.68	3.50	3.33	3.18	3.05	2.92	2.80	2.69
72			6.55	6.00	5.55	5.14	4.80	4.50	4.24	4.00	3.79	3.60	3.43	3.27	3.13	3.00	2.88	2.77
80			7.27	6.67	6.15	5.71	5.33	5.00	4.70	4.44	4.21	4.00	3.81	3.63	3.48	3.34	3.20	3.07
84					6.46	6.00	5.60	5.25	4.94	4.67	4.42	4.20	4.00	3.82	3.66	3.50	3.36	3.23
96					7.38	6.85	6.40	6.00	5.64	5.34	5.05	4.80	4.57	4.36	4.17	4.00	3.84	3.69
112								7.00	6.59	6.23	5.89	5.60	5.33	5.08	4.87	4.67	4.48	4.30

Service factors

The Horsepower rating tables (pages G22 thru G28) are for use under optimum drive conditions with a smooth power source and load. For less favorable conditions with moderate or heavy shock loads from either the power source and/or the load, the specified horsepower must be multiplied by a "Service Factor" (SF) to obtain a "Design Horsepower" (DHP). The "Design Horsepower" is used to obtain the chain selection from the rating tables.

Service Factors are selected below for various applications after first determining the prime mover or power source type.

Prime Mover	TYPE
Internal Combustion Engine with Hydraulic Coupling or Torque Converter Electric Motor Turbine Hydraulic Motor	A
Internal Combustion Engine with Mechanical Drive	B

Service factor table

APPLICATION	Type of Prime Mover A	B
AGITATORS (paddle or propeller)		
Pure Liquid	1.1	1.3
Liquids—variable density	1.2	1.4
BAKER MACHINERY		
Dough Mixer	1.2	—
BLOWERS	See Fans	
BREWING & DISTILLING EQUIPMENT		
Bottling Machinery	1.0	—
Brew Kettles, cookers, mash tubs	1.0	—
Scale Hopper—Frequent starts	1.2	—
BRICK & CLAY EQUIPMENT		
Auger machines, cutting table	1.3	1.5
Brick machines, dry press, & granulator	1.4	1.6
Mixer, pug mill, & rolls	1.4	1.6
CENTRIFUGES	1.4	1.6
COMPRESSORS		
Centrifugal & rotary (lobe)	1.1	1.3
Reciprocating		
1 or 2 cyl.	1.6	1.8
3 or more	1.3	1.5
CONSTRUCTION EQUIPMENT OR OFF-HIGHWAY VEHICLES		
Drive line duty, power take-off, accesory drives	Consult Morse	
CONVEYOR		
Apron, bucket, pan & elevator	1.4	1.6
Belt (ore, coal, sand, salt)	1.2	1.4
Belt—light package, oven	1.0	1.2
Screw & flight (heavy duty)	1.6	1.8
CRANES & HOIST		
Main hoist— medium duty	1.2	1.4
Main hoist— heavy duty, skip hoist	1.4	1.6

APPLICATION	Type of Prime Mover A	B
CRUSHING MACHINERY		
Ball mills, crushing rolls, Jaw crushers	1.6	1.8
DREDGES		
Conveyors, cables reels	1.4	1.6
Jigs & screens	1.6	1.8
	Consult Morse	
Cutter head drives		
Dredge pumps	See Pumps	
FANS & BLOWERS		
Centrifugal, propeller, vane	1.3	1.5
Positive blowers (lobe)	1.5	1.7
GRAIN MILL MACHINERY		
Sifters, purifiers, separators	1.1	1.3
Grinders and hammer mills	1.2	1.4
Roller mills	1.3	1.5
GENERATORS & EXCITERS	1.2	1.4
MACHINE TOOLS		
Grinders, lathes, drill press	1.0	—
Boring mills, milling machines	1.1	—
MARINE DRIVES	Consult Morse	
MILLS		
Rotary type:		
Ball, Pebble, Rod, Tube, Roller	1.5	1.7
Dryers, Kilns, & tumbling barrels	1.6	1.8
Metal type:		
Draw bench carriage & main drive	1.5	—
Forming Machines	Consult Morse	
MIXERS		
Concrete	1.6	1.8
Liquid & Semi-liquid	1.1	1.3
OIL INDUSTRY MACHINERY		
Compounding Units	1.1	1.3
Pipe line pumps	1.4	1.6
Slush Pumps	1.5	1.7
Draw works	1.8	2.0
Chillers, Paraffin filter presses, Kilns	1.5	1.7

APPLICATION	Type of Prime Mover A	B
PAPER INDUSTRY MACHINERY		
Agitators, bleachers	1.1	1.3
Barker—mechanical	1.6	1.8
Beater, Yankee Dryer	1.3	1.5
Calendars, Dryer & Paper Machines	1.2	1.4
Chippers & winder drums	1.5	1.7
PRINTING MACHINERY		
Embossing & flat bed presses, folders	1.2	—
Paper cutter, rotary press & linotype machine	1.1	—
Magazine & newspaper presses	1.5	—
PUMPS		
Centrifugal, gear, lobe & vane	1.2	1.4
Dredge	1.6	1.8
Pipeline	1.4	1.6
Reciprocating		
3 or more cyl.	1.3	1.5
1 or 2 cyl.	1.6	1.8
RUBBER & PLASTICS INDUSTRY EQUIPMENT		
Calendars, rolls, tubers		
Tire—building and		
Banbury Mills	1.5	1.7
Mixers and sheeters	1.6	1.8
Extruders	1.5	1.7
SCREENS		
Conical & revolving	1.2	1.4
Rotary, gravel, stone & vibrating	1.5	1.7
STOKERS	1.1	—
TEST STANDS & DYNAMOMETERS	Consult Morse	
TEXTILE INDUSTRY		
Spinning frames, twisters, wrappers & reels	1.0	—
Batchers, calendars & looms	1.1	—

NOTE: (Relating to Service Factors)
RECOMMENDATIONS ARE MINIMUM AND NORMAL CONDITIONS ARE ASSUMED

Calculation of chain length

The following method of calculating approximate chain length may be used for both standard roller chain, silent chain, and HV drives.

1. Divide center distance in inches by pitch of chain, obtaining ..... **C**
2. Add teeth in small sprocket to teeth in large sprocket, obtaining .....**S**
3. Subtract teeth in small sprocket from teeth in large sprocket, obtaining Value D. From table obtain the corresponding value of ..... **K**
4. Chain length in pitches = $\mathbf{2C + \frac{S}{2} + \frac{K}{C}}$
5. Chain length in feet = chain length in pitches times the pitch in inches divided by 12.

Example

Given:

Teeth in driving sprocket 21T
Teeth in driven sprocket 60T
Pitch of chain..... 1/2"
Center distance .....24"

Required:

Necessary length of chain

Solution:

(1) **C = 24" ÷ 1/2 = 48**
(2) **S = (21 + 60) = 81**
(3) **D = (60 - 21) = 39**
corresponding **K = 38.53**
(4) Chain length in pitches = $\mathbf{(2 \times 48) + \frac{81}{2} + \frac{38.53}{48} = 137.30}$

The next higher whole number is 138 pitches.
(5) **138 X 1/2 =69"**

A chain cannot contain the fractional part of a pitch; therefore, in case the figure for the number of pitches for the chain length obtained from the use of the above formula contains a fractional part of a pitch, use the next higher whole number of pitches.

Wherever possible, use an even number of pitches in the chain length. An odd number of pitches requires the use of an offset link which is not generally desirable.

The above formula for calculating chain length cannot be used to calculate center distance dimensions.

D	K	D	K	D	K	D	K	D	K	D	K
1	.03	32	25.94	63	100.54	94	223.82	125	395.79	156	616.44
2	.10	33	27.58	64	103.75	95	228.61	126	402.14	157	624.37
3	.23	34	29.28	65	107.02	96	233.44	127	408.55	158	632.35
4	.41	35	31.03	66	110.34	97	238.33	128	415.01	159	640.38
5	.63	36	32.83	67	113.71	98	243.27	129	421.52	160	648.46
6	.91	37	34.68	68	117.13	99	248.26	130	428.08	161	656.59
7	1.24	38	36.58	69	120.60	100	253.30	131	434.69	162	664.77
8	1.62	39	38.53	70	124.12	101	258.39	132	441.36	163	673.00
9	2.05	40	40.53	71	127.69	102	263.54	133	448.07	164	681.28
10	2.53	41	42.58	72	131.31	103	268.73	134	454.83	165	689.62
11	3.06	42	44.68	73	134.99	104	273.97	135	461.64	166	698.00
12	3.65	43	46.84	74	138.71	105	279.27	136	468.51	167	706.44
13	4.28	44	49.04	75	142.48	106	284.67	137	475.42	168	714.92
14	4.96	45	51.29	76	146.31	107	290.01	138	482.39	169	723.46
15	5.70	46	53.60	77	150.18	108	295.45	139	489.41	170	732.05
16	6.48	47	55.95	78	154.11	109	300.95	140	496.47	171	740.60
17	7.32	48	58.36	79	158.09	110	306.50	141	503.59	172	749.37
18	8.21	49	60.82	80	162.11	111	312.09	142	510.76	173	758.11
19	9.14	50	63.33	81	166.19	112	317.74	143	517.98	174	766.90
20	10.13	51	65.88	82	170.32	113	323.44	144	525.25	175	775.74
21	11.17	52	68.49	83	174.50	114	329.19	145	532.57	176	784.63
22	12.26	53	71.15	84	178.73	115	334.99	146	539.94	177	793.57
23	13.40	54	73.86	85	183.01	116	340.84	147	547.36	178	802.57
24	14.59	55	76.62	86	187.34	117	346.75	148	554.83	179	811.61
25	15.83	56	79.44	87	191.73	118	352.70	149	562.36	180	820.70
26	17.12	57	82.30	88	196.16	119	358.70	150	569.93	181	829.85
27	18.47	58	85.21	89	200.64	120	364.76	151	577.56	182	839.04
28	19.86	59	88.17	90	205.18	121	370.86	152	585.23	183	848.29
29	21.30	60	91.19	91	209.76	122	377.02	153	592.96	184	857.58
30	22.80	61	94.25	92	214.40	123	383.22	154	600.73	185	866.93
31	24.34	62	97.37	93	219.08	124	389.48	155	608.56	...	.....

WARNING - Failure to install drives properly can reduce service life and may result in breakage.

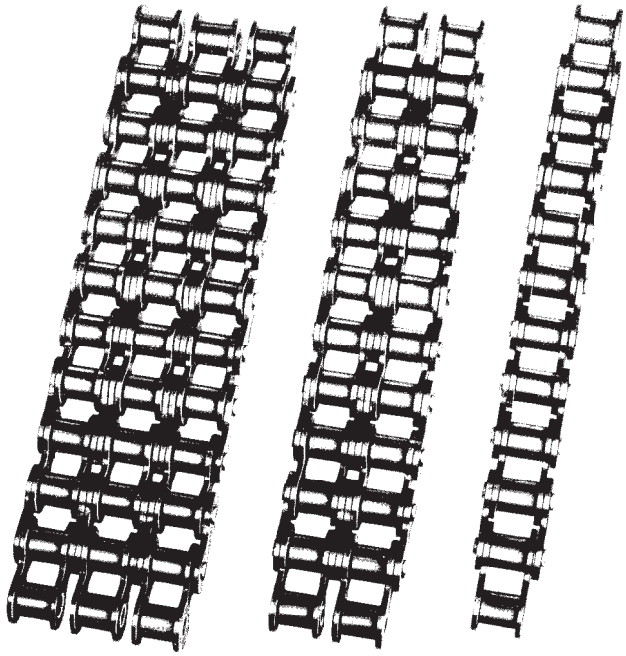
Roller chain drive selection

In the selection of a chain drive, the horsepower to be transmitted and the size and speed of the faster running shaft are known specified quantities. The designer must select chain and sprocket sizes that will satisfy all the requirements. It must be determined whether single or multiple strand chain best fits the application. Also, the maximum speed, of the chain, for long service life, must be kept within the limits given in the horsepower rating tables.

The horsepower rating tables are used to make a precise selection and to determine the number of teeth required for the small sprocket.

The ratings in the horsepower tables are for single strand chains. Consequently, in order to use the tables for multiple strand chain selections, the required horsepower table rating per strand must be calculated from the following equation:

$$\text{Req'd HP rating tables} = \frac{\text{Design HP}}{\text{Multiple Strand Factor}}$$



No.25-1/4" pitch standard single strand roller chain

No. of Teeth Small Spkt.	Revolutions per Minute-Small Sprocket																								
	50	100	300	500	700	900	1200	1500	1800	2100	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000	7500	8000	8500	9000	10000
12	0.03	0.06	0.16	0.25	0.34	0.43	0.55	0.68	0.80	0.92	1.07	1.26	1.45	1.57	1.32	1.12	0.97	0.86	0.76	0.68	0.61	0.56	0.51	0.47	0.40
13	0.04	0.06	0.17	0.27	0.37	0.47	0.60	0.74	0.87	1.00	1.17	1.38	1.58	1.77	1.49	1.27	1.10	0.96	0.86	0.77	0.69	0.63	0.57	0.53	0.45
14	0.04	0.07	0.19	0.30	0.40	0.50	0.65	0.80	0.94	1.08	1.27	1.49	1.71	1.93	1.66	1.42	1.23	1.08	0.96	0.86	0.77	0.70	0.64	0.59	0.50
15	0.04	0.07	0.20	0.32	0.43	0.54	0.70	0.86	1.01	1.17	1.36	1.61	1.85	2.08	1.84	1.57	1.36	1.20	1.06	0.95	0.86	0.78	0.71	0.65	0.56
16	0.04	0.08	0.22	0.34	0.47	0.58	0.76	0.92	1.09	1.25	1.46	1.72	1.98	2.23	2.03	1.73	1.50	1.32	1.17	1.05	0.94	0.86	0.78	0.72	0.61
17	0.05	0.08	0.23	0.37	0.50	0.62	0.81	0.99	1.16	1.33	1.56	1.84	2.11	2.38	2.22	1.90	1.64	1.44	1.28	1.14	1.03	0.94	0.86	0.79	0.67
18	0.05	0.09	0.25	0.39	0.53	0.66	0.86	1.05	1.24	1.42	1.66	1.96	2.25	2.53	2.42	2.07	1.79	1.57	1.39	1.25	1.12	1.02	0.93	0.86	0.73
19	0.05	0.09	0.26	0.41	0.56	0.70	0.91	1.11	1.31	1.50	1.76	2.07	2.38	2.69	2.62	2.24	1.94	1.70	1.51	1.35	1.22	1.11	1.01	0.93	0.79
20	0.06	0.10	0.28	0.44	0.59	0.74	0.96	1.75	1.38	1.59	1.86	2.19	2.52	2.84	2.83	2.42	2.10	1.84	1.63	1.46	1.32	1.20	1.09	1.00	0.86
21	0.06	0.11	0.29	0.46	0.62	0.78	1.01	1.24	1.46	1.68	1.96	2.31	2.66	2.99	3.05	2.60	2.26	1.98	1.76	1.57	1.42	1.29	1.17	1.08	0.92
22	0.06	0.11	0.31	0.48	0.66	0.82	1.07	1.30	1.53	1.76	2.06	2.43	2.79	3.15	3.27	2.79	2.42	2.12	1.88	1.69	1.52	1.38	1.26	1.16	0.99
23	0.06	0.12	0.32	0.51	0.69	0.86	1.12	1.37	1.61	1.85	2.16	2.55	2.93	3.30	3.50	2.98	2.59	2.27	2.01	1.80	1.62	1.47	1.35	1.24	1.06
24	0.07	0.13	0.34	0.53	0.72	0.90	1.17	1.43	1.69	1.94	2.27	2.67	3.07	3.46	3.73	3.18	2.76	2.42	2.15	1.92	1.73	1.57	1.44	1.32	1.12
25	0.07	0.13	0.35	0.56	0.75	0.94	1.22	1.50	1.76	2.02	2.37	2.79	3.21	3.61	3.96	3.38	2.93	2.57	2.28	2.04	1.84	1.67	1.53	1.40	1.20
26	0.07	0.14	0.37	0.58	0.79	0.98	1.28	1.56	1.84	2.11	2.47	2.91	3.34	3.77	4.19	3.59	3.11	2.73	2.42	2.17	1.95	1.77	1.62	1.49	1.27
28	0.08	0.15	0.40	0.63	0.85	1.07	1.38	1.69	1.99	2.29	2.68	3.15	3.62	4.09	4.54	4.01	3.47	3.05	2.70	2.42	2.18	1.98	1.81	1.66	1.42
30	0.08	0.16	0.43	0.68	0.92	1.15	1.49	1.82	2.15	2.46	2.88	3.40	3.90	4.40	4.89	4.45	3.85	3.38	3.00	2.68	2.42	2.20	2.01	1.84	1.57
32	0.09	0.17	0.46	0.73	0.98	1.23	1.60	1.95	2.30	2.64	3.09	3.64	4.18	4.72	5.25	4.90	4.25	3.73	3.30	2.96	2.67	2.42	2.21	2.03	1.73
35	0.10	0.19	0.51	0.80	1.08	1.36	1.76	2.15	2.53	2.91	3.41	4.01	4.61	5.20	5.78	5.60	4.86	4.26	3.78	3.38	3.05	2.77	2.53	2.32	1.98
40	0.12	0.22	0.58	0.92	1.25	1.57	2.03	2.48	2.93	3.36	3.93	4.64	5.32	6.00	6.68	6.85	5.93	5.21	4.62	4.13	3.73	3.38	3.09	2.83	2.42
45	0.13	0.25	0.66	1.05	1.42	1.78	2.31	2.82	3.32	3.82	4.47	5.26	6.05	6.82	7.58	8.17	7.08	6.21	5.51	4.93	4.45	4.04	3.69	3.38	2.89
	TYPE A				TYPE B									TYPE C											

TYPE A: Manual or Drip Lubrication (500 fpm max.)
TYPE B: Bath or Disc Lubrication (3500 fpm max.)
TYPE C: Oil Stream Lubrication (Up to max. speed shown).
The limiting RPM for each lubrication type is read from the column to the left of the boundary line shown.

For Multi. Strand Chain use

No. of Strands	Strand Factor
2	1.7
3	2.5
4	3.3

"CAUTION: RELATIVE TO APPLICATIONS INVOLVING THE HANDLING OF PEOPLE, MORSE ENGINEERING MUST BE CONSULTED PRIOR TO DRIVE SELECTION."

No. 35-3/8" pitch standard single strand roller chain

No. of Teeth Small Sprkt.	Revolutions per Minute-Small Sprocket																								
	50	100	300	500	700	900	1200	1500	1800	2100	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000	7500	8000	8500	9000	10000
12	0.11	0.20	0.54	0.85	1.15	1.44	1.87	2.29	2.70	3.10	3.62	3.35	2.66	2.17	1.82	1.56	1.35	1.18	1.05	0.94	0.85	0.77	0.70	0.64	0.55
13	0.12	0.22	0.59	0.93	1.26	1.57	2.04	2.49	2.94	3.38	3.95	3.77	3.00	2.45	2.05	1.75	1.52	1.33	1.18	1.06	0.95	0.87	0.79	0.73	0.62
14	0.13	0.24	0.63	1.01	1.36	1.71	2.21	2.70	3.18	3.66	4.28	4.22	3.35	2.74	2.30	1.96	1.70	1.49	1.32	1.18	1.07	0.97	0.88	0.81	0.69
15	0.14	0.25	0.68	1.08	1.47	1.84	2.38	2.91	3.43	3.94	4.61	4.68	3.71	3.04	2.55	2.17	1.88	1.65	1.47	1.31	1.18	1.07	0.98	0.90	0.77
16	0.15	0.27	0.73	1.16	1.57	1.97	2.55	3.12	3.68	4.22	4.94	5.15	4.09	3.35	2.81	2.40	2.08	1.82	1.62	1.45	1.30	1.18	1.08	0.99	0.85
17	0.16	0.29	0.78	1.24	1.68	2.10	2.73	3.33	3.93	4.51	5.28	5.64	4.48	3.67	3.07	2.62	2.27	2.00	1.77	1.58	1.43	1.30	1.18	1.09	0.93
18	0.17	0.31	0.83	1.32	1.78	2.24	2.90	3.54	4.18	4.80	5.61	6.15	4.88	3.99	3.35	2.86	2.48	2.17	1.93	1.73	1.56	1.41	1.29	1.18	1.01
19	0.18	0.33	0.88	1.40	1.89	2.37	3.07	3.76	4.43	5.09	5.95	6.67	5.29	4.33	3.63	3.10	2.69	2.36	2.09	1.87	1.69	1.53	1.40	1.28	1.10
20	0.19	0.35	0.93	1.48	2.00	2.51	3.25	3.97	4.68	5.38	6.29	7.20	5.72	4.68	3.92	3.35	2.90	2.55	2.26	2.02	1.82	1.65	1.51	1.39	1.18
21	0.20	0.37	0.98	1.56	2.11	2.64	3.42	4.19	4.93	5.67	6.63	7.75	6.15	5.03	4.22	3.60	3.12	2.74	2.43	2.17	1.96	1.78	1.62	1.49	1.27
22	0.21	0.38	1.03	1.64	2.22	2.78	3.60	4.40	5.19	5.96	6.97	8.21	6.59	5.40	4.52	3.86	3.35	2.94	2.61	2.33	2.10	1.91	1.74	1.60	1.37
23	0.22	0.40	1.08	1.72	2.33	2.92	3.78	4.62	5.44	6.25	7.31	8.62	7.05	5.77	4.83	4.13	3.58	3.14	2.79	2.49	2.25	2.04	1.86	1.71	1.46
24	0.23	0.42	1.14	1.80	2.44	3.05	3.96	4.84	5.70	6.55	7.66	9.02	7.51	6.15	5.15	4.40	3.81	3.35	2.97	2.66	2.40	2.17	1.99	1.82	1.56
25	0.24	0.44	1.19	1.88	2.55	3.19	4.13	5.05	5.95	6.84	8.00	9.43	7.99	6.54	5.48	4.68	4.05	3.56	3.16	2.82	2.55	2.31	2.11	1.94	1.65
26	0.25	0.46	1.24	1.96	2.66	3.33	4.31	5.27	6.21	7.14	8.35	9.84	8.47	6.93	5.81	4.96	4.30	3.77	3.35	3.00	2.70	2.45	2.24	2.05	1.75
28	0.27	0.50	1.34	2.12	2.88	3.61	4.67	5.71	6.73	7.73	9.05	10.7	9.47	7.75	6.49	5.55	4.81	4.22	3.74	3.35	3.02	2.74	2.50	2.30	1.96
30	0.29	0.54	1.45	2.29	3.10	3.89	5.03	6.15	7.25	8.33	9.74	11.5	10.5	8.59	7.20	6.15	5.33	4.68	4.15	3.71	3.35	3.04	2.77	2.55	2.17
32	0.31	0.58	1.55	2.45	3.32	4.17	5.40	6.60	7.77	8.93	10.4	12.3	11.6	9.47	7.93	6.77	5.87	5.15	4.57	4.09	3.69	3.35	3.06	2.81	0
35	0.34	0.64	1.71	2.70	3.66	4.59	5.95	7.27	8.56	9.84	11.5	13.6	13.2	10.8	9.08	7.75	6.72	5.90	5.23	4.68	4.22	3.83	3.50	3.21	0
40	0.39	0.73	1.97	3.12	4.23	5.30	6.87	8.40	9.89	11.4	13.3	15.7	16.2	13.2	11.1	9.47	8.21	7.20	6.39	5.72	5.15	4.68	0		
45	0.45	0.83	2.24	3.55	4.80	6.02	7.80	9.53	11.2	12.9	15.1	17.8	19.3	15.8	13.2	11.3	9.79	8.59	7.62	6.82	0				
TYPE A			TYPE B							TYPE C															

TYPE A: Manual Drip or Lubrication (370 fpm max.)
TYPE B: Bath or Disc Lubrication (2800 fpm max.)
TYPE C: Oil Stream Lubrication (Up to max. speed shown).

No. 40-1/2" pitch standard single strand roller chain

No. of Teeth Small Sprkt.	Revolutions per Minute-Small Sprocket																								
	10	25	50	100	200	300	400	500	700	900	1000	1200	1400	1600	1800	2100	2400	2700	3000	3500	4000	5000	6000	7000	8000
12	0.08	0.18	0.34	0.64	1.19	1.72	2.22	2.72	3.68	4.62	5.07	5.98	6.87	6.34	5.31	4.22	3.45	2.89	2.47	1.96	1.60	1.15	0.87	0.69	0.57
13	0.09	0.20	0.37	0.70	1.30	1.87	2.43	2.96	4.01	5.03	5.53	6.52	7.49	7.15	5.99	4.76	3.89	3.26	2.79	2.21	1.81	1.29	0.98	0.78	0.64
14	0.09	0.22	0.40	0.75	1.41	2.03	2.63	3.21	4.35	5.45	5.99	7.06	8.11	7.99	6.70	5.31	4.35	3.65	3.11	2.47	2.02	1.45	1.10	0.87	0.71
15	0.10	0.23	0.44	0.81	1.52	2.18	2.83	3.46	4.68	5.87	6.46	7.61	8.74	8.86	7.43	5.89	4.82	4.04	3.45	2.74	2.24	1.60	1.22	0.97	0.79
16	0.11	0.25	0.47	0.87	1.63	2.34	3.03	3.71	5.02	6.30	6.92	8.16	9.37	9.76	8.18	6.49	5.31	4.45	3.80	3.02	2.47	1.77	1.34	1.07	0.87
17	0.12	0.27	0.50	0.93	1.74	2.50	3.24	3.96	5.36	6.72	7.39	8.71	10.01	10.69	8.96	7.11	5.82	4.88	4.17	3.31	2.71	1.94	1.47	1.17	0.96
18	0.12	0.28	0.53	0.99	1.85	2.66	3.45	4.21	5.70	7.15	7.86	9.26	10.64	11.65	9.76	7.75	6.34	5.31	4.54	3.60	2.95	2.11	1.60	1.27	0
19	0.13	0.30	0.56	1.05	1.96	2.82	3.65	4.47	6.05	7.58	8.33	9.82	11.28	12.64	10.59	8.40	6.88	5.76	4.92	3.91	3.20	2.29	1.74	1.38	0
20	0.14	0.32	0.59	1.11	2.07	2.98	3.86	4.72	6.39	8.01	8.81	10.38	11.93	13.45	11.44	9.07	7.43	6.22	5.31	4.22	3.45	2.47	1.88	1.49	0
21	0.15	0.34	0.63	1.17	2.18	3.14	4.07	4.98	6.74	8.45	9.29	10.94	12.57	14.18	12.30	9.76	7.99	6.70	5.72	4.54	3.71	2.66	2.02	1.60	0
22	0.15	0.35	0.66	1.23	2.29	3.30	4.28	5.23	7.08	8.88	9.76	11.51	13.22	14.91	13.19	10.47	8.57	7.18	6.13	4.87	3.98	2.85	2.17	1.72	0
23	0.16	0.37	0.69	1.29	2.41	3.47	4.49	5.49	7.43	9.32	10.24	12.07	13.87	15.64	14.10	11.19	9.16	7.68	6.55	5.20	4.26	3.05	2.32	1.84	0
24	0.17	0.39	0.72	1.35	2.52	3.63	4.70	5.75	7.78	9.76	10.73	12.64	14.52	16.37	15.03	11.93	9.76	8.18	6.99	5.54	4.54	3.25	2.47	1.96	0
25	0.18	0.41	0.76	1.41	2.63	3.79	4.91	6.01	8.13	10.20	11.21	13.21	15.18	17.11	15.98	12.68	10.38	8.70	7.43	5.89	4.82	3.45	2.63	0	
26	0.19	0.42	0.79	1.47	2.75	3.96	5.13	6.27	8.48	10.64	11.70	13.78	15.83	17.85	16.95	13.45	11.01	9.23	7.88	6.25	5.12	3.66	2.79	0	
28	0.20	0.46	0.85	1.60	2.98	4.29	5.55	6.79	9.19	11.52	12.67	14.93	17.15	19.34	18.94	15.03	12.30	10.31	8.80	6.99	5.72	4.09	3.11	0	
30	0.22	0.49	0.92	1.72	3.21	4.62	5.98	7.31	9.90	12.42	13.65	16.08	18.48	20.84	21.01	16.67	13.65	11.44	9.76	7.75	6.34	4.54	3.45	0	
32	0.23	0.53	0.99	1.84	3.44	4.95	6.42	7.84	10.62	13.31	14.64	17.25	19.81	22.34	23.14	18.37	15.03	12.60	10.76	8.54	6.99	5.00	0		
35	0.26	0.58	1.09	2.03	3.79	5.46	7.07	8.64	11.70	14.66	16.12	19.00	21.82	24.61	26.47	21.01	17.20	14.41	12.30	9.76	7.99	5.72	0		
40	0.30	0.67	1.26	2.34	4.38	6.30	8.16	9.98	13.51	16.94	18.62	21.94	25.21	28.43	31.61	25.67	21.01	17.61	15.03	11.93	9.76	6.99	0		
45	0.34	0.76	1.43	2.66	4.97	7.16	9.27	11.33	15.34	19.24	21.15	24.92	28.63	32.29	35.90	30.63	25.07	21.01	17.94	14.23	11.65	0			
TYPE A					TYPE B								TYPE C												

TYPE A: Manual Drip or Lubrication (300 fpm max.)
TYPE B: Bath or Disc Lubrication (2300 fpm max.)
TYPE C: Oil Stream Lubrication (Up to max. speed shown).
The limiting RPM for each lubrication type is read from the column to the left of the boundary line shown.
The ratings on this page are in accordance with the standards of the American Chain Association, Copyright 1974.

For Multi. Strand Chain use

No. of Strands	Strand Factor
2	1.7
3	2.5
4	3.3

No. 41-1/2" pitch light weight machinery chain standard single strand roller chain

No. of Teeth Small Spkt.	Revolutions per Minute-Small Sprocket																								
	10	25	50	100	200	300	400	500	700	900	1000	1200	1400	1600	1800	2100	2400	2700	3000	3500	4000	5000	6000	7000	8000
12	0.03	0.07	0.14	0.26	0.49	0.70	0.91	1.11	1.50	1.88	2.07	1.95	1.55	1.27	1.06	0.84	0.69	0.58	0.49	0.39	0.32	0.23	0.17	0.14	0.11
13	0.04	0.08	0.15	0.28	0.53	0.76	0.99	1.21	1.63	2.05	2.25	2.20	1.75	1.43	1.20	0.95	0.78	0.65	0.56	0.44	0.36	0.26	0.20	0.16	0.13
14	0.04	0.09	0.16	0.31	0.57	0.83	1.07	1.31	1.77	2.22	2.44	2.46	1.95	1.60	1.34	1.06	0.87	0.73	0.62	0.49	0.40	0.29	0.22	0.17	0.14
15	0.04	0.09	0.18	0.33	0.62	0.89	1.15	1.41	1.91	2.39	2.63	2.73	2.17	1.77	1.49	1.18	0.96	0.81	0.69	0.55	0.45	0.32	0.24	0.19	0.16
16	0.04	0.10	0.19	0.36	0.66	0.95	1.24	1.51	2.05	2.57	2.82	3.01	2.39	1.95	1.64	1.30	1.06	0.89	0.76	0.60	0.49	0.35	0.27	0.21	0.17
17	0.05	0.11	0.20	0.38	0.71	1.02	1.32	1.61	2.18	2.74	3.01	3.29	2.61	2.14	1.79	1.42	1.16	0.98	0.83	0.66	0.54	0.39	0.29	0.23	0.19
18	0.05	0.12	0.22	0.40	0.75	1.08	1.40	1.72	2.32	2.91	3.20	3.59	2.85	2.33	1.95	1.55	1.27	1.06	0.91	0.72	0.59	0.42	0.32	0.25	0
19	0.05	0.12	0.23	0.43	0.80	1.15	1.49	1.82	2.46	3.09	3.40	3.89	3.09	2.53	2.12	1.68	1.38	1.15	0.98	0.78	0.64	0.46	0.35	0.28	0
20	0.06	0.13	0.24	0.45	0.84	1.21	1.57	1.92	2.60	3.26	3.59	4.20	3.33	2.73	2.29	1.81	1.49	1.24	1.06	0.84	0.69	0.49	0.38	0.30	0
21	0.06	0.14	0.26	0.48	0.89	1.28	1.66	2.03	2.74	3.44	3.78	4.46	3.59	2.94	2.46	1.95	1.60	1.34	1.14	0.91	0.74	0.53	0.40	0.32	0
22	0.06	0.14	0.27	0.50	0.93	1.35	1.74	2.13	2.89	3.62	3.98	4.69	3.85	3.15	2.64	2.09	1.71	1.44	1.23	0.97	0.80	0.57	0.43	0.34	0
23	0.06	0.15	0.28	0.53	0.98	1.41	1.83	2.24	3.03	3.80	4.17	4.92	4.11	3.37	2.82	2.24	1.83	1.54	1.31	1.04	0.85	0.61	0.46	0.37	0
24	0.07	0.16	0.29	0.55	1.03	1.48	1.92	2.34	3.17	3.97	4.37	5.15	4.38	3.59	3.01	2.39	1.95	1.64	1.40	1.11	0.91	0.65	0.49	0.39	0
25	0.07	0.17	0.31	0.57	1.07	1.55	2.00	2.45	3.31	4.15	4.57	5.38	4.66	3.81	3.20	2.54	2.08	1.74	1.49	1.18	0.96	0.69	0.53	0	
26	0.07	0.17	0.32	0.60	1.12	1.61	2.09	2.55	3.46	4.33	4.76	5.61	4.94	4.05	3.39	2.69	2.20	1.85	1.58	1.25	1.02	0.73	0.56	0	
28	0.08	0.19	0.35	0.65	1.21	1.75	2.26	2.77	3.74	4.69	5.16	6.08	5.52	4.52	3.79	3.01	2.46	2.06	1.76	1.40	1.14	0.82	0.62	0	
30	0.08	0.20	0.38	0.70	1.31	1.88	2.44	2.98	4.03	5.06	5.53	6.55	6.13	5.01	4.20	3.33	2.73	2.29	1.95	1.55	1.27	0.91	0.69	0	
32	0.09	0.22	0.40	0.75	1.40	2.02	2.61	3.20	4.33	5.42	5.96	7.03	6.75	5.52	4.63	3.67	3.01	2.52	2.15	1.71	1.40	1.00	0		
35	0.10	0.24	0.44	0.83	1.54	2.22	2.88	3.52	4.76	5.97	6.57	7.74	7.72	6.32	5.29	4.20	3.44	2.88	2.46	1.95	1.60	1.14	0		
40	0.12	0.27	0.51	0.96	1.78	2.57	3.33	4.07	5.50	6.90	7.59	8.94	9.43	7.72	6.47	5.13	4.20	3.52	3.01	2.39	1.95	1.40	0		
45	0.14	0.31	0.58	1.08	2.02	2.92	3.78	4.62	6.25	7.84	8.62	10.2	11.3	9.21	7.72	6.13	5.01	4.20	3.59	2.85	2.33	0			
TYPE A					TYPE B								TYPE C												

TYPE A: Manual Drip or Lubrication (500 fpm max.)
TYPE B: Bath or Disc Lubrication (3500 fpm max.)
TYPE C: Oil Stream Lubrication (Up to max. speed shown).

No. 50-5/8" pitch standard single strand roller chain

No. of Teeth Small Spkt.	Revolutions per Minute-Small Sprocket																								
	10	25	50	100	200	300	400	500	700	900	1000	1200	1400	1600	1800	2100	2400	2700	3000	3500	4000	4500	5000	5500	6000
12	0.16	0.36	0.67	1.24	2.32	3.34	4.33	5.29	7.16	8.98	9.87	11.63	9.26	7.58	6.35	5.04	4.13	3.46	2.95	2.34	1.92	1.61	1.37	1.19	1.04
13	0.17	0.39	0.73	1.36	2.53	3.64	4.72	5.77	7.81	9.79	10.77	12.68	10.44	8.55	7.16	5.69	4.65	3.90	3.33	2.64	2.16	1.81	1.55	1.34	0
14	0.18	0.42	0.79	1.47	2.74	3.95	5.11	6.25	8.46	10.61	11.66	13.74	11.67	9.55	8.01	6.35	5.20	4.36	3.72	2.95	2.42	2.03	1.73	1.50	0
15	0.20	0.45	0.85	1.58	2.95	4.25	5.51	6.73	9.11	11.43	12.56	14.80	12.94	10.60	8.88	7.05	5.77	4.83	4.13	3.27	2.68	2.25	1.92	1.66	0
16	0.21	0.49	0.91	1.70	3.16	4.56	5.91	7.22	9.77	12.25	13.47	15.87	14.26	11.67	9.78	7.76	6.35	5.32	4.55	3.61	2.95	2.47	2.11	1.83	0
17	0.23	0.52	0.97	1.81	3.38	4.87	6.31	7.71	10.43	13.08	14.38	16.95	15.62	12.78	10.71	8.50	6.96	5.83	4.98	3.95	3.23	2.71	2.31	2.01	0
18	0.24	0.55	1.03	1.93	3.59	5.18	6.71	8.20	11.10	13.91	15.30	18.03	17.02	13.93	11.67	9.26	7.58	6.35	5.42	4.30	3.52	2.95	2.52	0	
19	0.26	0.59	1.09	2.04	3.81	5.49	7.11	8.69	11.77	14.75	16.22	19.11	18.45	15.10	12.66	10.05	8.22	6.89	5.88	4.67	3.82	3.20	2.73	0	
20	0.27	0.62	1.16	2.16	4.03	5.80	7.52	9.19	12.44	15.59	17.14	20.20	19.93	16.31	13.67	10.85	8.88	7.44	6.35	5.04	4.13	3.46	2.95	0	
21	0.29	0.65	1.22	2.27	4.25	6.11	7.92	9.68	13.11	16.44	18.07	21.29	21.44	17.55	14.71	11.67	9.55	8.01	6.84	5.42	4.44	3.72	3.18	0	
22	0.30	0.69	1.28	2.39	4.46	6.43	8.33	10.18	13.78	17.28	19.00	22.39	22.99	18.82	15.77	12.52	10.24	8.59	7.33	5.82	4.76	3.99	3.41	0	
23	0.32	0.72	1.34	2.51	4.68	6.75	8.74	10.68	14.46	18.13	19.94	23.49	24.58	20.12	16.86	13.38	10.95	9.18	7.84	6.22	5.09	4.27	0		
24	0.33	0.75	1.41	2.63	4.90	7.06	9.15	11.19	15.14	18.98	20.87	24.60	26.20	21.44	17.97	14.26	11.67	9.78	8.35	6.63	5.42	4.55	0		
25	0.35	0.79	1.47	2.75	5.12	7.38	9.56	11.69	15.82	19.84	21.81	25.70	27.85	22.80	19.11	15.16	12.41	10.40	8.88	7.05	5.77	4.83	0		
26	0.36	0.82	1.54	2.87	5.35	7.70	9.98	12.20	16.51	20.70	22.76	26.82	29.54	24.18	20.26	16.08	13.16	11.03	9.42	7.47	6.12	5.13	0		
28	0.39	0.89	1.66	3.10	5.79	8.34	10.81	13.21	17.88	22.42	24.65	29.05	33.01	27.02	22.65	17.97	14.71	12.33	10.52	8.35	6.84	5.73	0		
30	0.42	0.96	1.79	3.34	6.24	8.99	11.64	14.23	19.27	24.16	26.56	31.30	35.96	29.97	25.11	19.93	16.31	13.67	11.67	9.26	7.58	0			
32	0.45	1.03	1.92	3.59	6.69	9.64	12.48	15.26	20.66	25.90	28.48	33.56	38.55	33.01	27.67	21.96	17.97	15.06	12.86	10.20	8.35	0			
35	0.50	1.13	2.12	3.95	7.37	10.62	13.75	16.81	22.76	28.53	31.47	36.97	42.47	37.76	31.65	25.11	20.56	17.23	14.71	11.67	9.55	0			
40	0.57	1.31	2.44	4.56	8.51	12.26	15.89	19.42	26.29	32.96	36.24	42.70	49.06	46.14	38.67	30.68	25.11	21.05	17.97	14.26	0				
45	0.65	1.49	2.78	5.18	9.67	13.93	18.04	22.05	29.86	37.43	41.16	48.49	55.71	55.05	46.14	36.61	29.97	25.11	21.44	0					
TYPE A					TYPE B					TYPE C															

TYPE A: Manual Drip or Lubrication (500 fpm max.)
TYPE B: Bath or Disc Lubrication (3500 fpm max.)
TYPE C: Oil Stream Lubrication (Up to max. speed shown).
The limiting RPM for each lubrication type is read from the column to the left of the boundary line shown.
The ratings on this page are in accordance with the standards of the American Chain Association, Copyright 1974.

For Multi. Strand Chain use

No. of Strands	Strand Factor
2	1.7
3	2.5
4	3.3

No. 60-3/4" pitch standard single strand roller chain

No. of Teeth Small Spkt.	Revolutions per Minute -Small Sprocket																								
	10	25	50	100	150	200	300	400	500	600	700	800	900	1000	1100	1200	1400	1600	1800	2000	2500	3000	3500	4000	4500
12	0.27	0.61	1.14	2.14	3.08	3.99	5.74	7.44	9.09	10.71	12.31	13.88	15.43	16.97	15.39	13.51	10.72	8.77	7.35	6.28	4.49	3.42	2.71	2.22	1.86
13	0.29	0.67	1.25	2.33	3.35	4.35	6.26	8.11	9.91	11.68	13.42	15.13	16.83	18.50	17.35	15.23	12.08	9.89	8.29	7.08	5.06	3.85	3.06	2.50	0
14	0.32	0.72	1.35	2.52	3.63	4.71	6.78	8.79	10.74	12.66	14.54	16.40	18.23	20.04	19.39	17.02	13.51	11.05	9.26	7.91	5.66	4.31	3.42	2.80	0
15	0.34	0.78	1.46	2.72	3.92	5.07	7.31	9.47	11.57	13.63	15.66	17.66	19.64	21.59	21.51	18.87	14.98	12.26	10.27	8.77	6.28	4.77	3.79	3.10	0
16	0.37	0.84	1.56	2.91	4.20	5.44	7.83	10.15	12.41	14.62	16.79	18.94	21.06	23.15	23.69	20.79	16.50	13.51	11.32	9.66	6.91	5.26	4.17	3.42	0
17	0.39	0.89	1.67	3.11	4.48	5.81	8.36	10.84	13.25	15.61	17.93	20.22	22.48	24.72	25.95	22.77	18.07	14.79	12.40	10.58	7.57	5.76	4.57	3.74	0
18	0.42	0.95	1.77	3.31	4.77	6.18	8.90	11.53	14.09	16.60	19.07	21.51	23.91	26.29	28.27	24.81	19.69	16.11	13.51	11.53	8.25	6.28	4.98	4.08	0
19	0.44	1.01	1.88	3.51	5.05	6.55	9.43	12.22	14.94	17.60	20.22	22.80	25.35	27.87	30.37	26.91	21.35	17.48	14.65	12.50	8.95	6.81	5.40	4.42	0
20	0.47	1.07	1.99	3.71	5.34	6.92	9.97	12.92	15.79	18.60	21.37	24.10	26.80	29.46	32.10	29.06	23.06	18.87	15.82	13.51	9.66	7.35	5.83	0	
21	0.49	1.12	2.10	3.91	5.63	7.30	10.51	13.61	16.64	19.61	22.53	25.40	28.25	31.06	33.84	31.26	24.81	20.31	17.02	14.53	10.40	7.91	6.28	0	
22	0.52	1.18	2.20	4.11	5.92	7.67	11.05	14.32	17.50	20.62	23.69	26.71	29.70	32.66	35.58	33.52	26.60	21.77	18.25	15.58	11.15	8.48	6.73	0	
23	0.54	1.24	2.31	4.31	6.21	8.05	11.59	15.02	18.36	21.63	24.85	28.03	31.16	34.26	37.33	35.84	28.44	23.28	19.51	16.66	11.92	9.07	7.19	0	
24	0.57	1.30	2.42	4.52	6.50	8.43	12.14	15.73	19.22	22.65	26.02	29.35	32.63	35.87	39.09	38.20	30.31	24.81	20.79	17.75	12.70	9.66	7.67	0	
25	0.59	1.36	2.53	4.72	6.80	8.81	12.69	16.43	20.09	23.67	27.20	30.67	34.10	37.49	40.85	40.61	32.23	26.38	22.11	18.87	13.51	10.27	8.15	0	
26.	0.62	1.41	2.64	4.92	7.09	9.19	13.23	17.15	20.96	24.70	28.37	32.00	35.57	39.11	42.61	43.07	34.18	27.98	23.44	20.02	14.32	10.90	8.65	0	
28	0.67	1.53	2.86	5.33	7.68	9.95	14.34	18.57	22.71	26.75	30.74	34.66	38.54	42.37	46.17	48.14	38.20	31.26	26.20	22.37	16.01	12.18	0		
30	0.72	1.65	3.08	5.75	8.28	10.72	15.45	20.01	24.46	28.82	33.11	37.34	41.52	45.65	49.74	53.38	42.36	34.67	29.06	24.81	17.75	13.51	0		
32	0.78	1.77	3.30	6.16	8.88	11.50	16.56	21.46	26.23	30.91	35.50	40.04	44.52	48.94	53.33	57.67	46.67	38.20	32.01	27.33	19.56	14.88	0		
35	0.85	1.95	3.64	6.79	9.78	12.67	18.24	23.64	28.89	34.05	39.11	44.11	49.04	53.92	58.75	63.53	53.38	43.69	36.62	31.26	22.37	17.02	0		
40	0.99	2.25	4.20	7.84	11.29	14.63	21.08	27.30	33.38	39.33	45.18	50.95	56.65	62.28	67.86	73.39	65.22	53.38	44.74	38.20	27.33	0			
45	1.12	2.56	4.77	8.90	12.83	16.62	23.93	31.01	37.90	44.66	51.31	57.86	64.33	70.73	77.07	83.34	77.83	63.70	53.38	45.58	32.61	0			
TYPE A				TYPE B								TYPE C													

TYPE A: Manual Drip or Lubrication (300 fpm max.)
TYPE B: Bath or Disc Lubrication (2300 fpm max.)
TYPE C: Oil Stream Lubrication (Up to max. speed shown).
The limiting RPM for each Lubrication type is read from the column to the left to the boundary line shown.
Speeds within shaded area - consider Morse HV.

G

No. 80-1" pitch standard single strand roller chain

No. of Teeth Small Spkt.	Revolutions per Minute -Small Sprocket																								
	10	25	50	100	150	200	300	400	500	600	700	800	900	1000	1100	1200	1400	1600	1800	2000	2200	2400	2700	3000	3400
12	0.67	1.54	2.87	5.36	7.72	10.00	14.40	18.66	22.80	26.87	30.87	31.23	26.17	22.35	19.37	17.00	13.49	11.04	9.25	7.90	6.85	6.01	5.04	4.30	0
13	0.74	1.68	3.13	5.84	8.41	10.90	15.70	20.34	24.86	29.30	33.66	35.22	29.51	25.20	21.84	19.17	15.21	12.45	10.43	8.91	7.72	6.78	5.68	4.85	0
14	0.80	1.82	3.39	6.33	9.11	11.81	17.01	22.03	26.94	31.74	36.46	39.36	32.98	28.16	24.41	21.42	17.00	13.91	11.66	9.96	8.63	7.57	6.35	5.42	0
15	0.86	1.96	3.65	6.82	9.82	12.72	18.32	23.74	29.02	34.19	39.28	43.65	36.58	31.23	27.07	23.76	18.85	15.43	12.93	11.04	9.57	8.40	7.04	6.01	0
16	0.92	2.10	3.92	7.31	10.53	13.64	19.65	25.45	31.11	36.66	42.12	47.50	40.30	34.41	29.82	26.17	20.77	17.00	14.25	12.16	10.54	9.25	7.76	6.62	0
17	0.98	2.24	4.18	7.80	11.24	14.56	20.98	27.17	33.22	39.14	44.97	50.71	44.13	37.68	32.66	28.66	22.75	18.62	15.60	13.32	11.55	10.13	8.49	7.25	0
18	1.05	2.38	4.45	8.30	11.96	15.49	22.31	28.91	35.33	41.63	47.83	53.94	48.08	41.05	35.59	31.23	24.78	20.29	17.00	14.51	12.58	11.04	9.25	7.90	0
19	1.11	2.53	4.72	8.80	12.68	16.42	23.65	30.64	37.46	44.14	50.71	57.18	52.15	44.52	38.59	33.87	26.88	22.00	18.44	15.74	13.64	11.97	10.04	8.57	0
20	1.17	2.67	4.98	9.30	13.40	17.36	25.00	32.39	39.59	46.65	53.60	60.44	56.32	48.08	41.68	36.58	29.03	23.76	19.91	17.00	14.74	12.93	10.84	0	
21	1.23	2.82	5.25	9.80	14.12	18.30	26.35	34.14	41.73	49.18	56.50	63.71	60.59	51.73	44.84	39.36	31.23	25.56	21.42	18.29	15.85	13.91	11.66	0	
22	1.30	2.96	5.52	10.31	14.85	19.24	27.71	35.90	43.89	51.71	59.41	66.99	64.97	55.47	48.08	42.20	33.49	27.41	22.97	19.61	17.00	14.92	12.50	0	
23	1.36	3.11	5.80	10.82	15.58	20.18	29.07	37.67	46.04	54.25	62.33	70.29	69.45	59.30	51.40	45.11	35.80	29.30	24.55	20.97	18.17	15.95	13.37	0	
24	1.43	3.25	6.07	11.33	16.31	21.13	30.44	39.44	48.21	56.81	65.26	73.59	74.03	63.21	54.79	48.08	38.16	31.23	26.17	22.35	19.37	17.00	14.25	0	
25	1.49	3.40	6.34	11.84	17.05	22.09	31.81	41.22	50.38	59.37	68.20	76.91	78.70	67.20	58.25	51.12	40.57	33.20	27.83	23.76	20.59	18.07	15.15	0	
26	1.55	3.55	6.62	12.35	17.79	23.04	33.19	43.00	52.56	61.93	71.15	80.24	83.47	71.27	61.78	54.22	43.02	35.22	29.51	25.20	21.84	19.17	16.06	0	
28	1.68	3.84	7.17	13.38	19.27	24.96	35.96	46.58	56.94	67.10	77.08	86.92	93.29	79.65	69.04	60.59	48.08	39.36	32.98	28.16	24.41	21.42	0		
30	1.81	4.14	7.72	14.41	20.76	26.89	38.74	50.18	61.35	72.29	83.04	93.65	103.46	88.33	76.57	67.20	53.33	43.65	36.58	31.23	27.07	23.76	0		
32	1.95	4.44	8.28	15.45	22.26	28.83	41.53	53.81	65.78	77.50	89.04	100.41	111.64	97.31	84.35	74.03	58.75	48.08	40.30	34.41	29.82	26.17	0		
35	2.14	4.89	9.12	17.02	24.52	31.76	45.75	59.28	72.46	85.38	98.09	110.61	122.98	111.31	96.49	84.68	67.20	55.00	46.09	39.36	34.11	0			
40	2.48	5.65	10.54	19.66	28.32	36.69	52.85	68.47	83.70	98.63	113.30	127.77	142.06	136.00	117.88	103.46	82.10	67.20	56.32	48.08	20.00	0			
45	2.81	6.41	11.97	22.33	32.16	41.67	60.02	77.76	95.05	112.00	128.67	145.10	161.33	162.28	140.66	123.45	97.97	80.18	67.20	54.10	0				
TYPE A				TYPE B								TYPE C													

TYPE A: Manual Drip or Lubrication (300 fpm max.)
TYPE B: Bath or Disc Lubrication (2300 fpm max.)
TYPE C: Oil Stream Lubrication (Up to max. speed shown).
The limiting RPM for each Lubrication type is read from the column to the left to the boundary line shown.
For optimum results, it is recommended that the roller Chain manufacturer be given the opportunity to evaluate the conditions of operation of chains in the speeds within dotted lines (galling range).
The ratings on this page are in accordance with the standards of the American Chain Association, Copyright 1974
Speeds within shaded area - consider Morse HV.

For Multi. Strand Chain use

No. of Strands	Strand Factor
2	1.7
3	2.5
4	3.3
5	3.9
6	4.6
8	6.0

No. 100-1 1/4" pitch standard single strand roller chain

No. of Teeth Small Sprkt.	Revolutions per Minute· Small Sprocket																							
	10	25	50	100	150	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1600	1800	2000	2200	2400	2600
12	1.34	3.05	5.69	10.61	15.29	19.81	28.53	36.96	45.18	53.24	45.61	37.33	31.29	26.71	23.16	20.32	18.02	16.13	13.20	11.06	9.45	8.19	7.19	0
13	1.46	3.32	6.20	11.57	16.67	21.60	31.11	40.30	49.26	58.05	51.43	42.10	35.28	30.12	26.11	22.92	20.32	18.18	14.88	12.47	10.65	9.23	8.10	0
14	1.58	3.60	6.72	12.54	18.06	23.40	33.70	43.66	53.37	62.89	57.48	47.05	39.43	33.66	29.18	25.61	22.71	20.32	16.63	13.94	11.90	10.32	9.05	0
15	1.70	3.88	7.24	13.51	19.46	25.21	36.31	47.04	57.50	67.75	63.75	52.18	43.73	37.33	32.36	28.40	25.19	22.54	18.45	15.46	13.20	11.44	10.04	0
16	1.82	4.16	7.76	14.48	20.86	27.03	38.93	50.43	61.65	72.64	70.23	57.48	48.17	41.13	35.65	31.29	27.75	24.83	20.32	17.03	14.54	12.60	11.06	0
17	1.95	4.44	8.29	15.46	22.27	28.85	41.56	53.84	65.82	77.56	76.91	62.95	52.76	45.05	39.04	34.27	30.39	27.19	22.26	18.65	15.93	13.80	0.79	0
18	2.07	4.72	8.81	16.45	23.69	30.69	44.21	57.27	70.01	82.50	83.80	68.59	57.48	49.08	42.54	37.33	33.11	29.63	24.25	20.32	17.35	15.04	0	
19	2.20	5.01	9.34	17.44	25.12	32.54	46.87	60.72	74.22	87.46	90.88	74.38	62.34	53.22	46.13	40.49	35.91	32.13	26.30	22.04	18.82	16.31	0	
20	2.32	5.29	9.88	18.43	26.55	34.39	49.54	64.18	78.45	92.44	98.15	80.33	67.32	57.48	49.82	43.73	38.78	34.70	28.40	23.80	20.32	17.62	0	
21	2.45	5.58	10.41	19.43	27.98	36.25	52.22	67.65	82.69	97.44	105.60	86.43	72.43	61.85	53.61	47.05	41.72	37.33	30.56	25.61	21.87	18.95	0	
22	2.57	5.87	10.95	20.43	29.42	38.12	54.91	71.13	86.95	102.46	113.23	92.68	77.67	66.31	57.48	50.45	44.74	40.03	32.77	27.46	23.45	20.32	0	
23	2.70	6.15	11.49	21.43	30.87	39.99	57.61	74.63	91.23	107.50	121.04	99.07	83.02	70.89	61.44	53.93	47.82	42.79	35.03	29.35	25.06	7.74	0	
24	2.83	6.44	12.03	22.44	32.32	41.88	60.32	78.14	95.52	112.56	129.02	105.60	88.50	75.56	65.49	57.48	50.98	45.61	37.33	31.29	26.71	0		
25	2.95	6.73	12.57	23.45	33.78	43.76	63.04	81.66	99.83	117.63	135.13	112.27	94.09	80.33	69.63	61.11	54.20	48.49	39.69	33.26	28.40	0		
26	3.08	7.03	13.11	24.47	35.24	45.66	65.76	85.20	104.15	122.72	140.98	119.07	99.79	85.20	73.85	64.81	57.48	51.43	42.10	35.28	30.12	0		
28	3.34	7.61	14.20	26.51	38.18	49.46	71.24	92.30	112.82	132.94	152.73	133.07	111.52	95.22	82.53	72.43	64.24	57.48	47.05	39.43	33.70	0		
30	3.59	8.20	15.30	28.56	41.13	53.29	76.75	99.44	121.55	143.23	164.54	147.58	123.68	105.60	91.53	80.33	71.24	63.75	52.18	43.73	10.00	0		
32	3.85	8.79	16.41	30.62	44.10	57.13	82.29	106.61	130.33	153.57	176.42	162.58	136.25	116.33	100.84	88.50	78.49	70.23	57.48	48.17	0			
35	4.25	9.69	18.07	33.73	48.58	62.94	90.66	117.45	143.57	169.17	194.35	185.97	155.85	133.07	115.34	101.23	89.78	80.33	65.75	55.10	0			
40	4.90	11.19	20.88	38.96	56.12	72.70	104.72	135.67	165.84	195.42	224.50	227.21	190.42	162.58	140.92	123.68	109.69	98.15	80.33	0				
45	5.57	12.71	23.71	44.25	63.73	82.57	118.93	154.07	188.34	221.93	254.95	271.12	227.21	194.00	168.15	147.58	130.88	117.11	45.30	0				
TYPE A			TYPE B				TYPE C																	

TYPE A: Manual Drip or Lubrication (300 fpm max.)
TYPE B: Bath or Disc Lubrication (2300 fpm max.)
TYPE C: Oil Stream Lubrication (Up to max. speed shown).
The limiting RPM for each Lubrication type is read from the column to the left to the boundary line shown.
Speeds within shaded area - consider Morse HV.

No. 120-1 1/2" pitch standard single strand roller chain

No. of Teeth Small Sprkt.	Revolutions per Minute· Small Sprocket																								
	10	25	50	100	150	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100
12	2.06	4.70	8.77	16.37	23.58	30.55	44.00	57.01	69.69	66.51	52.78	43.20	36.20	30.91	26.79	23.51	20.85	18.66	16.83	15.27	13.95	12.80	11.80	10.93	0
13	2.25	5.13	9.57	17.85	25.71	33.31	47.98	62.16	75.98	74.99	59.51	48.71	40.82	34.85	30.21	26.51	23.51	21.04	18.97	17.22	15.72	14.43	13.31	12.32	0
14	2.43	5.55	10.36	19.34	27.85	36.08	51.97	67.33	82.31	83.81	66.51	54.44	45.62	38.95	33.76	29.63	26.28	23.51	21.20	19.25	17.57	16.13	14.87	8.94	0
15	2.62	5.98	11.16	20.83	30.01	38.87	56.00	72.54	88.68	92.95	73.76	60.37	50.59	43.20	37.44	32.86	29.14	26.08	23.51	21.34	19.49	17.89	16.49	0	
16	2.81	6.41	11.97	22.34	32.17	41.68	60.04	77.78	95.08	102.39	81.26	66.51	55.74	47.59	41.25	36.20	32.11	28.73	25.90	23.51	21.47	19.71	18.17	0	
17	3.00	6.85	12.78	23.85	34.35	44.50	64.10	83.04	101.51	112.14	88.99	72.84	61.04	52.12	45.18	39.65	35.16	31.46	28.37	25.75	23.51	21.58	19.90	0	
18	3.19	7.28	13.59	25.37	36.54	47.34	68.18	88.33	107.98	122.18	96.96	79.38	66.51	56.78	49.22	43.20	38.31	34.28	30.91	28.06	25.62	23.51	11.30	0	
19	3.39	7.72	14.41	26.89	38.73	50.18	72.28	93.64	114.47	132.50	105.15	86.06	72.13	61.58	53.38	46.85	41.55	37.18	33.52	30.43	27.78	25.50	0		
20	3.58	8.16	15.23	28.42	40.94	53.04	76.40	98.98	120.99	142.57	113.56	92.95	77.89	66.51	57.65	50.59	44.87	40.15	36.20	32.86	30.00	27.54	0		
21	3.77	8.60	16.06	29.96	43.16	55.91	80.53	104.33	127.54	150.28	122.18	100.00	83.81	71.56	62.02	54.44	48.28	43.20	38.95	35.36	32.28	29.63	0		
22	3.97	9.05	16.88	31.51	45.38	58.79	84.68	109.71	134.11	158.02	131.01	107.23	89.87	76.73	66.51	58.37	51.77	46.32	41.77	37.91	34.62	16.60	0		
23	4.16	9.49	17.71	33.05	47.61	61.68	88.85	115.10	140.70	165.79	140.04	114.62	96.06	82.02	71.09	62.39	55.33	49.51	44.65	40.53	37.00	0			
24	4.36	9.94	18.55	34.61	49.85	64.58	93.03	120.52	147.32	173.59	149.28	122.18	102.39	87.43	75.78	66.51	58.98	52.78	47.59	43.20	39.44	0			
25	4.55	10.39	19.38	36.17	52.10	67.49	97.22	125.95	153.96	181.42	158.70	129.90	108.86	92.95	80.56	70.71	62.71	56.11	50.59	45.93	41.93	0			
26	4.75	10.84	20.22	37.73	54.35	70.41	101.43	131.40	160.62	189.27	168.32	137.77	115.46	98.58	85.45	74.99	66.51	59.51	53.66	48.71	26.60	0			
28	5.15	11.74	21.91	40.88	58.88	76.28	109.88	142.35	174.01	205.04	188.11	153.97	129.03	110.17	95.49	83.81	74.33	66.51	59.97	54.44	0				
30	5.54	12.65	23.60	44.04	63.44	82.18	118.38	153.36	187.47	220.90	208.62	170.75	143.10	122.18	105.90	92.95	82.43	73.76	66.51	42.40	0				
32	5.94	13.56	25.30	47.22	68.02	88.12	126.92	164.43	201.00	236.84	229.83	188.11	157.65	134.60	116.67	102.39	90.81	81.26	73.27	0					
35	6.55	14.94	27.88	52.02	74.93	97.07	139.82	181.14	221.43	260.91	262.89	215.17	180.33	153.97	133.46	117.13	103.87	92.95	47.70	0					
40	7.56	17.26	32.20	60.09	86.55	112.13	161.51	209.24	255.78	301.39	321.19	262.89	220.32	188.11	163.05	143.10	126.91	59.50	0						
45	8.59	19.60	36.57	68.24	98.29	127.34	183.42	237.62	290.47	342.27	383.26	313.69	262.89	224.46	194.56	170.75	80.00	0							
TYPE A			TYPE B					TYPE C																	

TYPE A: Manual Drip or Lubrication (300 fpm max.)
TYPE B: Bath or Disc Lubrication (2300 fpm max.)
TYPE C: Oil Stream Lubrication (Up to max. speed shown).
The limiting RPM for each Lubrication type is read from the column to the left to the boundary line shown.
For optimum results, it is recommended that the roller Chain manufacturer be given the opportunity to evaluate the conditions of operation of chains in the speeds within dotted lines (galling range).
The ratings on this page are in accordance with the standards of the American Chain Association, Copyright 1974
Speeds within shaded area - consider Morse HV.

For Multi. Strand Chain use

No. of Strands	Strand Factor
2	1.7
3	2.5
4	3.3
5	3.9
6	4.6
8	6.0

No. 140-1 3/4" pitch standard single strand roller chain

No. of Teeth Small Sprkt.	Revolutions per Minute· Small Sprocket																								
	10	25	50	100	150	200	250	300	350	400	450	500	550	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700
12	3.47	7.91	14.76	27.55	39.68	51.41	62.84	74.05	85.07	95.93	106.66	98.90	85.72	75.24	59.70	48.87	40.95	34.97	30.31	26.60	23.59	21.11	19.03	17.28	0
13	3.78	8.63	16.10	30.04	43.26	56.05	68.52	80.73	92.75	104.59	116.29	111.52	96.66	84.83	67.32	55.10	46.18	39.43	34.17	29.99	26.60	23.80	21.46	19.48	0
14	4.10	9.34	17.44	32.54	46.67	60.72	74.23	87.46	100.48	113.31	125.98	124.63	108.03	94.81	75.24	61.58	51.61	44.06	38.19	33.52	29.73	26.60	23.98	21.77	0
15	4.41	10.07	18.79	35.06	50.50	65.42	79.97	94.23	108.25	122.07	135.72	138.22	119.80	105.15	83.44	68.29	57.23	48.87	42.36	37.17	32.97	29.50	26.60	0	
16	4.73	10.79	20.14	37.59	54.14	70.14	85.74	101.03	116.06	130.89	145.52	152.27	131.98	115.83	91.92	75.24	63.05	53.83	46.66	40.95	36.32	32.50	29.30	0	
17	5.05	11.52	21.51	40.13	57.80	74.89	91.54	107.87	123.92	139.74	155.37	166.76	144.55	126.86	100.67	82.40	69.05	58.96	51.11	44.85	39.78	35.59	32.09	0	
18	5.37	12.26	22.87	42.69	61.48	79.65	97.37	114.73	131.81	148.64	165.26	181.69	157.49	138.22	109.68	89.77	75.24	64.24	55.68	48.87	43.34	38.78	34.97	0	
19	5.70	13.00	24.25	45.25	65.18	84.44	103.23	121.63	139.73	157.58	175.20	192.63	170.79	149.89	118.95	97.36	81.59	69.66	60.38	53.00	47.00	42.06	37.92	0	
20	6.02	13.74	25.63	47.83	68.69	89.25	109.11	128.56	147.69	166.55	185.18	203.60	184.45	161.88	128.46	105.15	88.12	75.24	65.21	57.23	50.76	45.42	0		
21	6.35	14.48	27.02	50.42	72.62	94.08	115.01	135.52	155.68	175.57	195.20	214.61	198.46	174.17	138.22	113.13	94.81	80.95	70.16	61.58	54.61	48.87	0		
22	6.67	15.22	28.41	53.02	76.36	98.93	120.93	142.50	163.71	184.61	205.26	225.67	212.80	186.76	148.21	121.30	101.66	86.80	75.24	66.03	58.56	52.40	0		
23	7.00	15.97	29.81	55.62	80.12	103.80	126.88	149.51	171.76	193.69	215.35	236.77	227.47	199.64	158.43	129.67	108.67	92.78	80.42	70.58	62.60	56.01	0		
24	7.33	16.72	31.21	58.24	83.89	108.68	132.85	156.54	179.84	202.80	225.48	247.91	242.47	212.80	168.87	138.22	115.83	98.90	85.72	75.24	66.72	59.70	0		
25	7.66	17.48	32.62	60.86	87.67	113.58	138.84	163.60	187.94	211.94	235.64	259.08	257.78	226.24	179.53	146.94	123.15	105.15	91.14	79.99	70.94	63.47	0		
26	7.99	18.23	34.03	63.50	91.46	118.49	144.85	170.67	196.07	221.11	245.84	270.29	273.40	239.95	190.41	155.85	130.61	111.52	96.66	84.63	75.24	0			
28	8.66	19.75	36.86	68.79	99.08	128.36	156.92	184.90	212.41	239.54	266.32	292.81	305.54	268.16	212.80	174.17	145.97	124.63	108.03	94.81	84.08	0			
30	9.33	21.28	39.71	74.11	106.75	138.29	169.05	199.20	228.84	258.07	286.93	315.47	338.86	297.40	236.00	193.16	161.88	138.22	119.80	105.15	93.25	0			
32	10.00	22.82	42.58	79.46	114.45	148.28	181.26	213.58	245.36	276.70	307.64	338.24	368.53	327.63	259.99	212.80	178.34	152.27	131.98	115.83	0				
35	11.02	25.14	46.91	87.53	126.09	163.35	199.68	235.28	270.30	304.81	338.90	372.61	405.98	374.76	297.40	243.41	203.99	174.17	150.97	130.00	0				
40	12.73	29.04	54.19	101.11	145.64	188.69	230.65	271.78	312.23	352.10	391.48	430.41	468.96	457.87	363.35	297.40	249.23	212.80	178.00	0					
45	14.46	32.98	61.54	114.83	165.40	214.28	261.94	308.65	354.58	399.86	444.58	488.80	532.58	546.35	433.56	354.86	297.40	237.00	92.70	0					
TYPE A	TYPE B					TYPE C																			

TYPE A: Manual Drip or Lubrication (300 fpm max.)
TYPE B: Bath or Disc Lubrication (2300 fpm max.)
TYPE C: Oil Stream Lubrication (Up to max. speed shown).
The limiting RPM for each Lubrication type is read from the column to the left to the boundary line shown.
Speeds within shaded area - consider Morse HV.

No. 160-2" pitch standard single strand roller chain

No. of Teeth Small Sprkt.	Revolutions per Minute· Small Sprocket																								
	10	25	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	1000	1100	1200	1300	1400
12	4.32	9.86	18.40	34.33	49.46	64.07	78.32	92.29	106.02	119.56	128.89	110.05	95.39	83.72	74.25	66.44	59.90	54.38	49.65	45.57	38.91	33.73	29.60	26.25	0
13	4.71	10.75	20.06	37.43	53.92	69.86	85.39	100.62	115.59	130.36	144.93	124.09	107.56	94.40	83.72	74.91	67.55	61.31	55.98	51.38	43.87	38.03	33.37	29.60	0
14	5.11	11.65	21.73	40.55	58.41	75.68	92.51	109.00	125.23	141.22	157.01	138.68	120.20	105.50	93.56	83.72	75.49	68.52	62.57	57.43	49.03	42.50	37.30	33.08	0
15	5.50	12.55	23.41	43.69	62.93	81.53	99.66	117.44	134.91	152.14	169.16	153.60	133.31	117.00	103.76	92.65	83.72	75.99	69.39	63.69	54.38	47.13	41.37	0	
16	5.90	13.45	25.10	46.85	67.48	87.42	106.86	125.91	144.65	163.12	181.37	169.43	146.86	128.89	114.31	102.28	92.23	83.72	76.44	70.16	59.90	51.92	45.57	0	
17	6.30	14.36	26.80	50.02	72.04	93.33	114.09	134.43	154.44	174.16	193.64	185.56	160.84	141.16	125.19	112.02	101.01	91.69	83.72	76.84	65.61	56.87	49.91	0	
18	6.70	15.28	28.51	53.20	76.63	99.27	121.35	142.99	164.27	185.25	205.97	202.17	175.24	153.80	136.40	122.05	110.05	99.90	91.21	83.72	71.48	61.96	54.38	0	
19	7.10	16.20	30.22	56.40	81.24	105.24	128.65	151.59	174.15	196.39	218.35	219.25	190.05	166.79	147.92	132.36	119.35	108.33	98.92	90.79	77.52	67.19	58.97	0	
20	7.50	17.12	31.94	59.61	85.86	111.24	135.98	160.23	184.07	207.58	230.79	236.79	205.25	180.13	159.75	142.95	128.89	117.00	106.83	98.05	83.72	72.57	63.69	0	
21	7.91	18.05	33.67	62.84	90.51	117.26	143.34	168.90	194.03	218.81	243.28	254.77	220.83	193.81	171.88	153.80	138.68	125.88	114.94	105.50	90.07	78.08	68.52	0	
22	8.32	18.97	35.41	66.07	95.17	123.30	150.72	177.60	204.03	230.08	255.81	273.18	236.79	207.82	184.30	164.91	148.70	134.98	123.25	113.12	96.58	83.72	0		
23	8.73	19.91	37.15	69.32	99.85	129.36	158.13	186.33	214.06	241.40	268.39	292.02	253.12	222.15	197.01	176.29	158.95	144.29	131.75	120.92	103.24	89.49	0		
24	9.14	20.84	38.90	72.58	104.55	135.45	165.57	195.10	224.13	252.75	281.02	308.97	269.80	236.79	210.00	187.91	169.43	153.80	140.43	128.89	110.05	95.39	0		
25	9.55	21.78	40.65	75.86	109.26	141.55	173.04	203.89	234.24	264.15	293.69	322.90	286.84	251.74	223.26	199.77	180.13	163.51	149.30	137.03	117.00	101.41	0		
26	9.96	22.73	42.41	79.14	113.99	147.68	180.52	212.71	244.37	275.58	306.39	336.87	304.22	267.00	236.79	211.88	191.05	173.42	158.35	145.33	124.09	107.56	0		
28	10.79	24.62	45.94	85.73	123.49	159.98	195.57	230.44	264.73	298.54	331.92	364.94	339.99	298.39	264.63	236.79	213.51	193.81	176.96	162.42	138.68	120.20	0		
30	11.63	26.52	49.50	92.36	133.04	172.36	210.69	248.27	285.21	321.63	357.60	393.17	377.06	330.92	293.48	262.61	236.79	214.94	196.26	180.13	153.80	0			
32	12.47	28.44	53.07	99.03	142.65	184.80	225.90	266.19	305.80	344.85	383.41	421.55	415.39	364.56	323.32	289.30	260.86	236.79	216.21	198.44	169.43	0			
35	13.73	31.33	58.46	109.10	157.14	203.58	248.86	293.24	336.88	379.68	422.38	464.39	475.15	417.01	369.83	330.92	298.39	270.86	247.31	226.99	180.00	0			
40	15.87	36.19	67.53	126.02	181.52	235.16	287.47	338.73	389.14	438.63	487.90	536.43	580.52	509.49	451.85	404.31	364.56	330.92	302.16	257.00	0				
45	18.02	41.10	76.69	143.12	206.14	267.06	326.46	384.68	441.92	498.36	554.09	609.20	663.76	607.95	538.00	482.00	418.00	348.00	271.00	189.00	0				
TYPE A	TYPE B					TYPE C																			

TYPE A: Manual or Drip Lubrication (300 fpm max.)
TYPE B: Bath or Disc Lubrication (2300 fpm max.)
TYPE C: Oil Stream Lubrication (Up to max. speed shown).
The limiting RPM for each Lubrication type is read from the column to the left to the boundary line shown.
For optimum results, it is recommended that the roller Chain manufacturer be given the opportunity to evaluate the conditions of operation of chains in the speeds within dotted lines (galling range).
The ratings on this page are in accordance with the standards of the American Chain Association, Copyright 1974
Speeds within shaded area - consider Morse HV.

For Multi. Strand Chain use

No. of Strands	Strand Factor
2	1.7
3	2.5
4	3.3
5	3.9
6	4.6
8	6.0

No. 200-2 1/2" pitch standard single strand roller chain

No. of Teeth Small Sprkt.	Revolutions per Minute· Small Sprocket																			
	10	15	20	30	40	50	70	100	150	200	250	300	350	400	450	500	550	600	650	700
9	4.99	7.19	9.31	13.42	17.38	21.25	28.76	39.65	57.11	73.98	90.44	106.57	122.43	119.42	100.08	85.45	74.07	65.00	57.65	0
10	5.59	8.06	10.44	15.03	19.48	23.81	32.23	44.43	63.99	82.90	101.34	119.41	137.18	139.87	117.21	100.08	86.75	76.13	67.52	0
11	6.20	8.93	11.57	16.66	21.59	26.39	35.72	49.24	70.93	91.89	112.33	132.36	152.05	161.36	135.23	115.46	100.08	87.83	77.90	0
12	6.81	9.81	12.71	18.30	23.71	28.99	39.24	54.09	77.92	100.94	123.39	145.40	167.04	183.86	154.08	131.56	114.03	100.08	0	
13	7.42	10.69	13.86	19.96	25.86	31.61	42.78	58.98	84.95	110.06	134.54	158.53	182.12	205.37	173.74	148.34	128.58	112.85	0	
14	8.04	11.59	15.01	21.62	28.01	34.24	46.35	63.89	92.03	119.23	145.75	171.74	197.29	222.49	194.17	165.78	143.70	126.11	0	
15	8.67	12.48	16.17	23.29	30.18	36.89	49.93	68.84	99.15	128.45	157.02	185.02	212.56	239.70	215.34	183.86	159.37	139.87	0	
16	9.29	13.38	17.34	24.97	32.35	39.55	53.54	73.80	106.31	137.72	168.36	198.38	227.90	257.00	237.23	202.55	175.56	154.08	0	
17	9.92	14.29	18.51	26.66	34.54	42.23	57.16	78.80	113.50	147.04	179.75	211.80	243.32	274.39	259.81	221.83	192.28	168.75	0	
18	10.55	15.20	19.69	28.36	36.74	44.92	60.80	83.82	120.73	156.41	191.19	225.29	258.81	291.86	283.07	241.69	209.49	183.86	0	
19	11.19	16.11	20.87	30.07	38.95	47.62	64.46	88.86	127.99	165.81	202.69	238.83	274.38	309.41	306.98	262.11	227.19	199.39	0	
20	11.82	17.03	22.06	31.78	41.17	50.33	68.13	93.92	135.28	175.26	214.24	252.44	290.01	327.04	331.53	283.07	245.36	0		
21	12.46	17.95	23.26	33.50	43.40	53.05	71.82	99.00	142.60	184.74	225.83	266.10	305.70	344.73	356.71	304.56	263.99	0		
22	13.11	18.88	24.46	35.23	45.64	55.79	75.52	104.10	149.94	194.26	237.46	279.81	321.45	362.50	382.49	326.57	283.07	0		
23	13.75	19.81	25.66	36.96	47.88	58.53	79.23	109.22	157.32	203.81	249.14	293.57	337.26	380.32	408.86	349.09	302.59	0		
24	14.40	20.74	26.87	38.70	50.13	61.28	82.96	114.36	164.72	213.40	260.86	307.38	353.12	398.21	435.81	372.10	322.53	0		
25	15.05	21.67	28.08	40.44	52.39	64.04	86.70	119.51	172.14	223.02	272.62	321.23	369.04	416.16	462.70	395.60	342.90	0		
26	15.70	22.61	29.29	42.19	54.66	66.82	90.45	124.68	179.59	232.67	284.41	335.13	385.00	434.17	482.72	419.57	363.68	0		
TYPE A			TYPE B							TYPE C										

TYPE A: Manual Drip or Lubrication (300 fpm max.)
TYPE B: Bath or Disc Lubrication (2300 fpm max.)
TYPE C: Oil Stream Lubrication (Up to max. speed shown).
The limiting RPM for each Lubrication type is read from the column to the left to the boundary line shown.
Speeds within shaded area - consider Morse HV.

No. 240-3" pitch standard single strand roller chain

No. of Teeth Small Sprkt.	Revolutions per Minute· Small Sprocket																				
	5	10	15	20	25	30	40	50	60	80	100	125	150	175	200	250	300	350	400	450	500
9	3.92	7.31	10.5	13.6	16.7	19.6	25.4	31.1	36.7	47.5	58.1	71.0	83.6	96.1	108	132	156	169	138	116	0
10	4.39	8.19	11.8	15.3	18.7	22.0	28.5	34.9	41.1	53.2	65.0	79.5	93.7	108	121	148	175	198	162	136	0
11	4.86	9.08	13.1	16.9	20.7	24.4	31.6	38.6	45.5	59.0	72.1	88.1	104	119	135	164	194	223	187	156	0
12	5.34	9.97	14.4	18.6	22.7	26.8	34.7	42.4	50.0	64.8	79.2	96.8	114	131	148	181	213	245	218	0	
13	5.83	10.9	15.7	20.3	24.8	29.2	37.9	46.3	54.5	70.6	86.4	106	124	143	161	197	232	267	240	0	
14	6.31	11.8	17.0	22.0	26.9	31.7	41.0	50.1	59.1	76.5	93.6	114	135	155	175	213	251	289	268	0	
15	6.80	12.7	18.3	23.7	28.9	34.1	44.2	54.0	63.6	82.4	101	123	145	167	188	230	271	311	297	0	
16	7.29	13.6	19.6	25.4	31.0	36.6	47.4	57.9	68.2	88.4	108	132	156	179	202	247	290	334	328	0	
17	7.78	14.5	20.9	27.1	33.1	39.0	50.6	61.8	72.9	94.4	115	141	166	191	215	263	310	356	359	0	
18	8.28	15.4	22.3	28.8	35.2	41.5	53.8	65.8	77.5	100	123	150	177	203	229	280	330	379	377	0	
19	8.78	16.4	23.6	30.6	37.4	44.0	57.0	69.7	82.2	106	130	159	187	215	243	297	350	402	393	0	
20	9.28	17.3	24.9	32.3	39.5	46.5	60.3	73.7	86.8	112	138	168	198	228	257	314	370	423	407	0	
21	9.78	18.2	26.3	34.1	41.6	49.0	63.5	77.7	91.5	119	145	177	209	240	270	331	390	439	421	0	
22	10.3	19.2	27.6	35.8	43.8	51.6	66.8	81.7	96.2	125	152	186	220	252	284	348	410	454	435	0	
23	10.8	20.1	29.0	37.6	45.9	54.1	70.1	85.7	101	131	160	195	230	265	298	365	430	469	448	0	
24	11.3	21.1	30.4	39.3	48.1	56.7	73.4	89.7	106	137	167	205	241	277	312	382	450	483	0		
25	11.8	22.0	31.7	41.1	50.3	59.2	76.7	93.8	110	143	175	214	252	290	327	399	470	496	0		
26	12.3	23.0	33.1	42.9	52.4	61.8	80.0	97.8	115	149	183	223	263	302	341	416	491	509	0		
TYPE A			TYPE B									TYPEC									

TYPE A: Manual Drip or Lubrication (75 fpm max.)
TYPE B: Bath or Disc Lubrication (800 fpm max.)
TYPE C: Oil Stream Lubrication (Up to max. speed shown).
The limiting RPM for each Lubrication type is read from the column to the left to the boundary line shown.
The ratings on this page are in accordance with the standards of the American Chain Association, Copyright 1974
Speeds within shaded area - consider Morse HV.

For Multi. Strand Chain use

No. of Strands	Strand Factor
2	1.7
3	2.5
4	3.3
5	3.9
6	4.6
8	6.0

Roller chains at high temperatures

Roller Chains made of conventional materials lose some of their valuable characteristics at elevated temperatures. Depending on the temperature of service, part or all of the properties built into the chains by the initial heat treatment of the components are lost:

1. The hardness and, therefore, the wear resistance of pins and bushings are reduced.
2. At temperatures above 700°F, the rollers and plates lose hardness and strength.

In addition to this alteration in hardness, both material strength and load capacity of the chain are lowered considerably by operation at temperatures above 700°F.

Use standard steel roller chain at temperatures up to 500°F with the following adjustments in capacity ratings:

Temperature	Percent of Catalog Capacity Rating
Up to 350°F	100%
400	75
500	50

These limits on capacity are based on the tendency for pins and bushings to gall and the softening of wear surfaces. They are not based on a loss of tensile strength, as oddly enough, the strength of the side plates increases when tested at temperatures up to 500°F. Because of this tendency to gall, make special provisions for lubrication.

Use 18-8 stainless steel chains up to 800°F; however, between 200°F and 800°F reduce the ratings as shown in the following table:

Temperature	Percent of Catalog Capacity Stainless Steel Chain Rating
200°F	86%
300	79
350	77
400	77
500	77
600	77
700	77
800	73

Chain tools

Roller chain tool (for pin removal)

Morse Tool Number	Part Number	Roller Chain Sizes		Wt.
		Nos.	Pitches Inclusive	
25-60	2360964	25 thru 60	3/8 to 3/4	0.61
60-100	2360972	60 thru 100	3/4 to1 1/4	1.50
120-160	2361004	120 thru 160	1 1/2 to 2	8.30

Standard hook-up tool

For These Chain Types	Pitch	
HV Drive	3/4, 1	1 1/2, 2
Silent		
Roller	3/4, 1, 1 1/4	1 1/2, 1 3/4, 2, 2 1/2
Width Range inches	1 1/2" - 12"	3" - 12"
Tool Number	097726	097756

This Roller Chain Tool reduces time, both in the field and shop, required for disconnecting roller chains of bulk length to cut length, chain repair and alteration.

All parts of this tool are of machine finished steel, with moving parts hardened for maximum strength and wear resistance—a tool requiring a minimum of maintenance

- **Portable**
- **Simple Design**
- **Field Proven**
- **Time Saver**
- **Proven**
- **Dependability**
- **Quality**

Roller chain performance is dependent on interference fits of the component parts and these brief instructions are intended to guide an individual toward safe practices that will not abuse the designed integrity of the roller chain.

When connecting or disconnecting chain, a chain tool is preferred, but if it is unavailable, or impractical, an appropriate hammer and punches can be substituted. It will also be useful, to utilize a chain vice, or similar holding device, to secure and support the chain in place. (See "Roller Chain Tools" at bottom on page G29). The rework of chain must utilize complete, unaltered, sub assemblies of roller links and pin links of the type shown on page G11.

Recommended disassembly procedure

Prepare pins for removal by removing cotters, clips, or, for rivet type chain, grind the rivet end flush with the link plate. Avoid overheating when grinding.

1. Prepare pins for removal by removing cotters, clips, or, for rivet type chain, grind the rivet end flush with the link plate. Avoid overheating when grinding.
2. Support the chain in a holding device, or secure it to a sprocket, and press or drive the pins out, alternating the strokes, so that the pin link moves out evenly and does not damage the adjacent roller unit bushings.
3. Examine the exposed roller units to be sure they are not damaged. The bushings should still be fully assembled in the roller link plates.

Recommended assembly procedures

The field connection of chain is accomplished through use of appropriate connecting links.

1. Arrange the chain on a solid surface, or secure over a sprocket, and insert the pins of connecting link into the ends of the chain.
2. Place the free pin link plate over the pin ends.
3. Use a hollow punch to press, or tap, the pin link plate onto the pin ends.
4. Insert the appropriate fastening device.
5. **AFTER ASSEMBLY:** make sure the joint moves freely.

CAUTION

WHEN CONNECTING/DISCONNECTING CHAIN

1. Always lock out equipment power switch before removing or installing chains.
2. Always **USE SAFETY GLASSES** to protect your eyes.
3. Wear protective clothing, gloves and safety shoes as appropriate.
4. **SUPPORT THE CHAIN TO PREVENT UNCONTROLLED MOVEMENT OF CHAIN AND PARTS. REMOVE COTTER KEYS OR GRIND OFF RIVETED PIN END**
5. **USE OF PRESSING EQUIPMENT IS RECOMMENDED. TOOLS MUST BE IN GOOD CONDITION AND PROPERLY USED.**
6. **DO NOT ATTEMPT TO CONNECT OR DISCONNECT CHAIN UNLESS YOU KNOW THE CHAIN CONSTRUCTION.**
7. Damaged chain may be weakened and therefore should not be reworked.
8. Discard removed components. Components should not be reused.
9. Use **NEW** sub-assembiles for rework and not individual components.

CONSULT MANUFACTURER OR AUTHORIZED DISTRIBUTOR FOR COMPLETE ASSEMBLY OR DISASSEMBLY PROCEDURES

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Chain pullers (for installing roller chain)

Puller No.	Part No.	Chain Size	Jaw Spread	Weight
35	2361020	No.35 to 60	2"	5 oz.
80	2361038	No. 80 to 240	3 1/2"	1 lb.

No. 35

No. 80

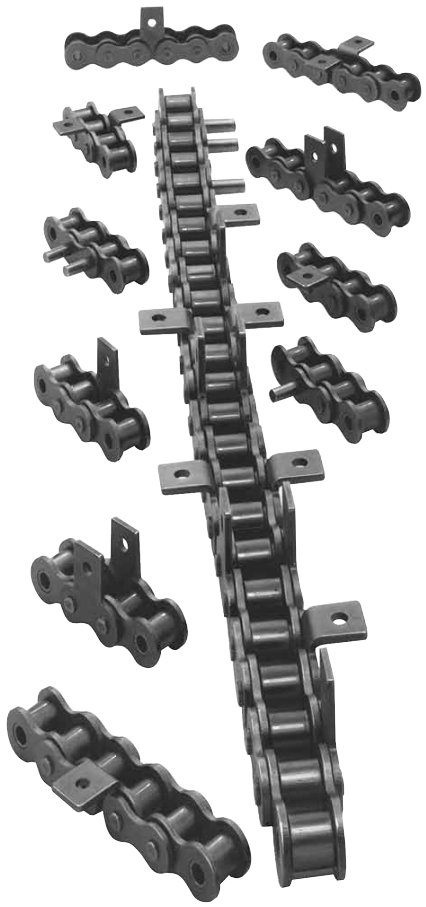
This unique tool was designed to make roller chain installation quick and easy. In fact, it's almost like having a third hand.

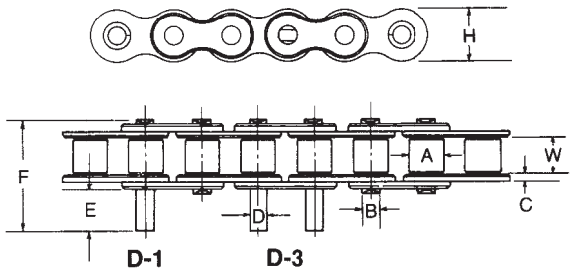
To use the Morse chain puller: (1) hook the two jaws into each end of the chain; (2) turn the screw until the two ends almost meet; (3) insert the connecting link and fasten.

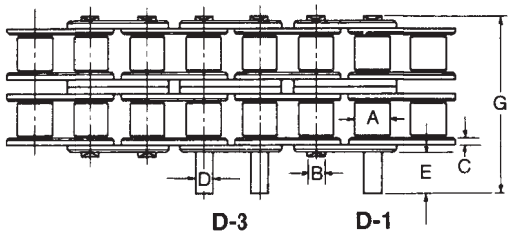
A New Age for an Enduring Legend...

Attachment Chain

- Quality chain which continues to be second to none
- Breadth of attachment line - 35 to 160, C2040 to C2122
- Made-to order capabilities
- Modern attachment cell to service you
- Price competitive with anyone in the industry
- Delivery to meet your requirements





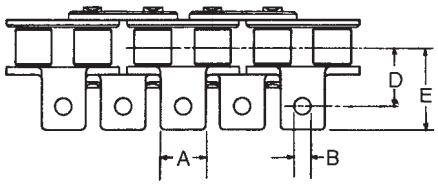


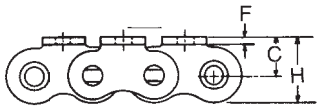
ANSI roller chain-extended pins

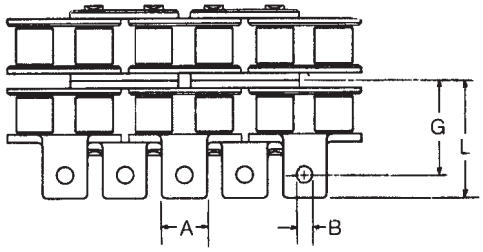
Chain No.	Pitch	Roller Width W	Dimensions (Inches)							
			Roller Diam. A	Chain Pin Diam. B	Side Plate Thickness C	Diameter of Extended Pins D	Standard Length of Extended Pins E	F	G	H
† 35 & 35-2	3/8	3/16	.200	.141	.050	.141	3/8	13/16	1 7/32	.350
41	1/2	1/4	.306	.141	.050	.141	3/8	55/64	—	.383
40 & 40-2	1/2	5/16	.312	.156	.060	.156	3/8	31/32	1 17/32	.466
50 & 50-2	5/8	3/8	.400	.200	.080	.200	15/32	1 7/32	1 15/16	.584
60 & 60-2	3/4	1/2	.468	.234	.094	.234	9/16	1 1/2	2 13/32	.700
80 & 80-2	1	5/8	.625	.312	.125	.312	3/4	1 31/32	3 1/8	.934
100 & 100-2	1 1/4	3/4	.750	.375	.156	.375	15/16	2 27/64	3 53/64	1.166
120 & 120-2	1 1/2	1	.875	.437	.187	.437	1 1/8	3	4 25/32	1.400
140 & 140-2	1 3/4	1	1.000	.500	.219	.500	1 5/16	3 21/64	5 1/4	1.634
160 & 160-2	2	1 1/4	1.125	.562	.250	.562	1 1/2	3 29/32	6 7/32	1.866

† Rollerless

All sizes available in Riveted construction. Sizes 60 and above available in Cottered construction. Please specify desired construction when ordering.



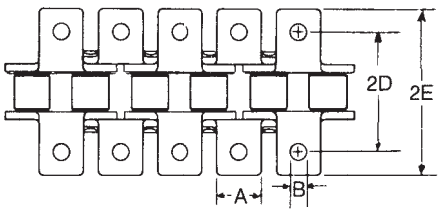


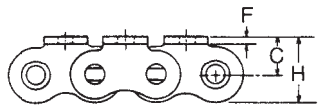


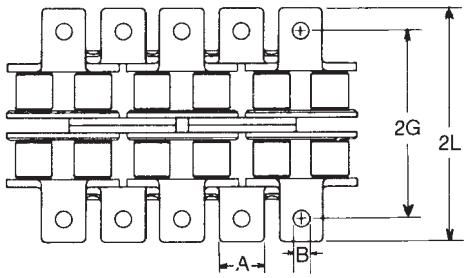
B-1 bent attachments ANSI roller chain

Chain No.	Pitch	Roller		Pin Diam.	Dimensions (Inches)									Chain Wt. Per Ft. (Lbs.) Single	ChainWt. Per Ft. (Lbs.) Double	Each B-1 Attach. Wt. (Lbs.)
		Width	Diam.		A	B	C	D	E	F	G	H·Inside Plate Height	L			
† 35 & 35-2	3/8	3/16	.200	.141	5/16	7/64	1/4	3/8	17/32	.050	37/64	27/64	47/64	.21	.40	.002
41	1/2	1/4	.306	.141	3/8	1/8	9/32	15/32	11/16	.050	—	15/32	—	.25	—	.003
40 & 40-2	1/2	5/16	.312	.156	3/8	9/64	5/16	1/2	23/32	.060	25/32	35/64	1	.42	.82	.003
50 & 50-2	5/8	3/8	.400	.200	1/2	13/64	13/32	5/8	29/32	.080	63/64	45/64	1 17/64	.69	1.36	.008
60 & 60-2	3/4	1/2	.468	.234	5/8	13/64	15/32	3/4	1 5/64	.094	1 13/34	13/16	1 17/32	1.00	1.99	.013
80 & 80-2	1	5/8	.625	.312	3/4	17/64	5/8	1	1 25/64	.125	1 37/64	1 3/32	1 31/32	1.71	3.40	.027
100 & 100-2	1 1/4	3/4	.750	.375	1	21/64	25/32	1 1/4	1 11/16	.156	1 61/64	1 23/64	2 25/64	2.50	5.10	.055
120 & 120-2	1 1/2	1	.875	.437	1 1/8	25/64	29/32	1 1/2	2 1/6	.187	2 25/64	1 39/64	2 61/64	3.87	7.65	.082
140 & 140-2	1 3/4	1	1.000	.500	1 3/8	29/64	1 1/8	1 3/4	2 17/64	.219	2 23/32	1 15/16	3 15/64	4.95	9.80	.141
160 & 160-2	2	1 1/4	1.125	.562	1 1/2	33/64	1 1/4	2	2 11/16	.250	3 5/32	2 3/16	3 27/32	6.61	13.10	.198

† Rollerless





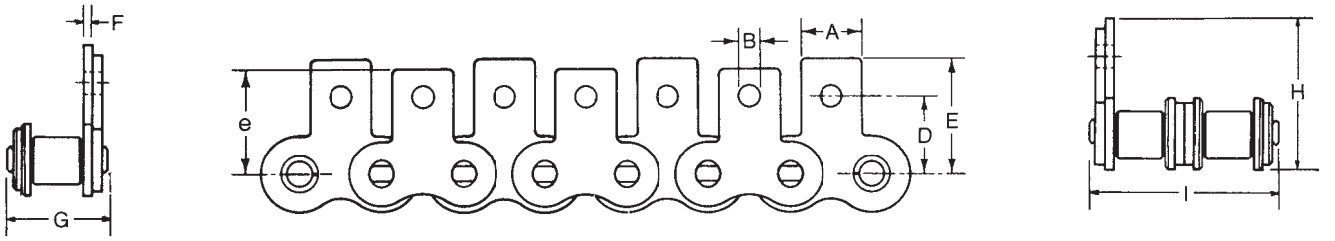


B-2 bent attachments ANSI roller chain

Chain No.	Pitch	Roller		Pin Diam.	Dimensions (Inches)									Chain Wt. Per Ft. (Lbs.) Single	ChainWt. Per Ft. (Lbs.) Double	Each B-2 Attach. Wt. (Lbs.)
		Width	Diam.		A	B	C	2D	2E	F	2G	H·Inside Plate Height	2L			
† 35 & 35-2	3/8	3/16	.200	.141	5/16	7/64	1/4	3/4	1 1/16	.050	1 5/32	27/64	1 1/2	.21	.40	.004
41	1/2	1/4	.306	.141	3/8	1/8	5/16	15/16	1 3/8	.050	—	15/32	—	.25	—	.006
40 & 40-2	1/2	5/16	.312	.156	3/8	9/64	5/16	1	1 7/16	.060	1 9/16	35/64	2	.42	.82	.006
50 & 50-2	5/8	3/8	.400	.200	1/2	13/64	13/32	1 1/4	1 13/16	.080	1 31/32	45/64	2 17/32	.69	1.36	.016
60 & 60-2	3/4	1/2	.468	.234	5/8	13/64	15/32	1 1/2	2 5/32	.094	2 13/32	13/16	3 1/16	1.00	1.99	.026
80 & 80-2	1	5/8	.625	.312	3/4	17/64	5/8	2	2 25/32	.125	3 5/32	1 3/32	3 15/16	1.71	3.40	.054
100 & 100-2	1 1/4	3/4	.750	.375	1	21/64	25/32	2 1/2	3 3/8	.156	3 29/32	1 23/64	4 25/32	2.58	5.10	.110
120 & 120-2	1 1/2	1	.875	.437	1 1/8	25/64	29/32	3	4 1/8	.187	4 25/32	1 39/64	5 29/32	3.87	7.65	.164
140 & 140-2	1 3/4	1	1.000	.500	1 3/8	29/64	1 1/8	3 1/2	4 17/32	.219	5 7/16	1 15/16	6 15/32	4.95	9.80	.282
160 & 160-2	2	1 1/4	1.125	.562	1 1/2	33/64	1 1/4	4	5 3/8	.250	6 5/16	2 3/16	7 11/16	6.61	13.10	.396

† Rollerless

All sizes available in Riveted construction. Sizes 60 and above available in Cottered construction. Please specify desired construction when ordering.

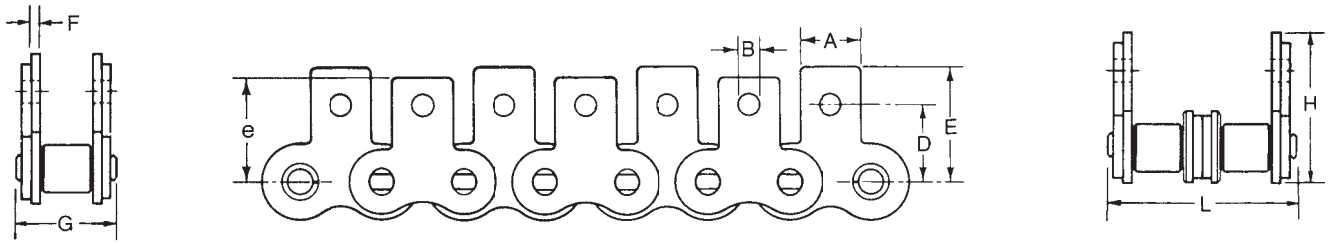


S-1 straight attachments ANSI roller chain

Chain No.	Pitch	Roller		Pin Diam.	Dimensions (Inches)									Chain Wt. Per Ft. (Lbs.) Single	ChainWt. Per Ft. (Lbs.) Double	Each S-1 Attach. Wt. (Lbs.)
		Width	Diam.		A	B	D	e	E	F	G	H·Inside Plate Height	I			
† 35 & 35-2	3/8	3/16	.200	.141	5/16	7/64	3/8	17/32	17/32	.050	.466	45/64	.866	.21	.40	.002
41	1/2	1/4	.306	.141	3/8	1/8	31/64	45/64	45/64	.050	.512	57/64	—	.25	—	.003
40 & 40-2	1/2	5/16	.312	.156	3/8	9/64	1/2	11/16	3/4	.060	.630	63/64	1.194	.42	.82	.003
50 & 50-2	5/8	3/8	.400	.200	1/2	13/64	5/8	57/64	31/32	.080	.790	1 17/64	1.507	.69	1.36	.008
60 & 60-2	3/4	1/2	.468	.234	5/8	13/64	23/32	1 1/32	1 1/8	.094	.990	1 15/32	1.893	1.00	1.99	.013
80 & 80-2	1	5/8	.625	.312	3/4	17/64	31/32	1 11/32	1 1/2	.125	1.274	1 31/32	2.432	1.71	3.40	.027
100 & 100-2	1 1/4	3/4	.750	.375	1	21/64	1 1/4	1 21/32	1 53/64	.156	1.555	2 13/32	2.963	2.58	5.10	.055
120 & 120-2	1 1/2	1	.875	.437	1 1/8	25/64	1 7/16	1 15/16	2 1/8	.187	1.960	2 53/64	3.749	3.87	7.65	.082
140 & 140-2	1 3/4	1	1.000	.500	1 3/8	29/64	1 3/4	2 9/32	2 1/2	.219	2.117	3 5/16	4.041	4.95	9.80	.141
160 & 160-2	2	1 1/4	1.125	.562	1 1/2	32/64	2	2 39/64	2 7/8	.250	2.522	3 13/16	4.827	6.61	13.10	.198

† Rollerless

G



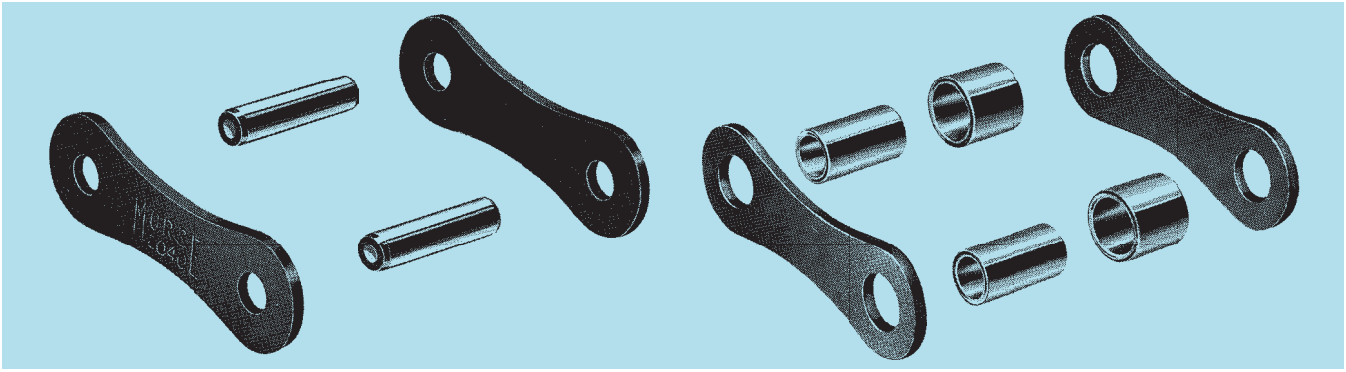
S-2 straight attachments ANSI roller chain

Chain No.	Pitch	Roller		Pin Diam.	Dimensions (Inches)									Chain Wt. Per Ft. (Lbs.) Single	ChainWt. Per Ft. (Lbs.) Double	Each S-2 Attach. Wt. (Lbs.)
		Width	Diam.		A	B	D	e	E	F	G	H·Inside Plate Height	I			
† 35 & 35-2	3/8	3/16	.200	.141	5/16	7/64	3/8	17/32	17/32	.050	.466	45/64	.866	.21	.40	.004
41	1/2	1/4	.306	.141	3/8	1/8	31/64	45/64	45/64	.050	.512	57/64	—	.25	—	.006
40 & 40-2	1/2	5/16	.312	.156	3/8	9/64	1/2	11/16	3/4	.060	.630	63/64	1.194	.42	.82	.006
50 & 50-2	5/8	3/8	.400	.200	1/2	13/64	5/8	57/64	31/32	.080	.790	1 17/64	1.507	.69	1.36	.016
60 & 60-2	3/4	1/2	.468	.234	5/8	13/64	23/32	1 1/32	1 1/8	.094	.990	1 15/32	1.893	1.00	1.99	.026
80 & 80-2	1	5/8	.625	.312	3/4	17/64	31/32	1 11/32	1 1/2	.125	1.274	1 31/32	2.432	1.71	3.40	.054
100 & 100-2	1 1/4	3/4	.750	.375	1	21/64	1 1/4	1 21/32	1 53/64	.156	1.555	2 13/32	2.963	2.58	5.10	.110
120 & 120-2	1 1/2	1	.875	.437	1 1/8	25/64	1 7/16	1 15/16	2 1/8	.187	1.960	2 53/64	3.749	3.87	7.65	.164
140 & 140-2	1 3/4	1	1.000	.500	1 3/8	29/64	1 3/4	2 9/32	2 1/2	.219	2.117	3 5/16	4.041	4.95	9.80	.282
160 & 160-2	2	1 1/4	1.125	.562	1 1/2	33/64	2	2 39/64	2 7/8	.250	2.522	3 13/16	4.827	6.61	13.10	.396

† Rollerless

All sizes available in Riveted construction. Sizes 60 and above available in Cottered construction. Please specify desired construction when ordering.

power transmission series



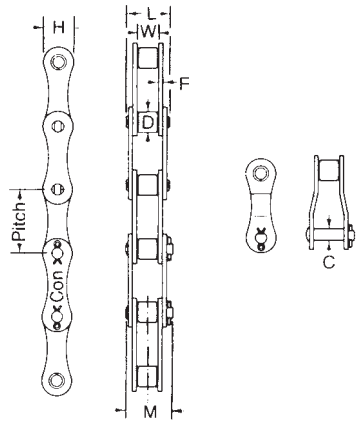
The above component breakdown of double pitch roller chain shows that the link plates are extended to twice the length of standard roller chain pitch.

Emerson's objective is to produce a chain with half as many joints and pass on the savings to customers for lower HP, lower speed, and longer center distance drives. Emerson uses the same precision joint components in its double pitch roller chain as in its standard roller chain. Therefore, you expect and get double pitch roller chain built to high standards and exacting specifications.

Power transmission series

Chain No.	Dimensions (Inches) Pitch	Roller Diam. D	Roller Width W	Pin Diam. C	Pin Length Riveted L	Pin Length Cotter M	Side Plate Height H	Side Plate Thick F	Wt. Per Ft. Lbs.	Av. Ult. Strength Lbs.
2040	1	.312	5/16	.156	.630	.700†	.466	.060	.30	3,700
2050	1 1/4	.400	3/8	.200	.790	.870†	.584	.080	.50	6,100
2060	1 1/2	.468	1/2	.234	.990	1.081	.700	.094	.70	8,500
2080	2	.625	5/8	.312	1.274	1.378	.934	.125	1.22	14,500

† Rivet type only. Cotter pin length is pin length for connecting link.



HP ratings for power transmission series

No. 2040 1" double pitch roller chain

No. of Teeth	Effective No. of Teeth	Pitch Diam.	Revolutions per Minute - Small Sprocket 25	50	100	150	200	250	300	350	400	450	500	550	600	700	800	900	1000	1100	1200
17	8 1/2	2.768	.15	.27	.49	.68	.80	.92	1.04												
19	9 1/2	3.080	.17	.32	.57	.77	.96	1.11	1.25	1.4	1.45										
21	10 1/2	3.392	.19	.36	.65	.89	1.12	1.31	1.48	1.65	1.75	1.85	1.95	2.05							
23	11 1/2	3.706	.21	.40	.73	1.01	1.27	1.49	1.69	1.90	2.05	2.15	2.3	2.4	2.5						
25	12 1/2	4.021	.23	.44	.80	1.12	1.41	1.67	1.90	2.1	2.3	2.45	2.65	2.75	2.9	3.1					
26	13	4.179	.24	.46	.84	1.18	1.48	1.76	2.01	2.2	2.4	2.6	2.8	2.9	3.1	3.3	3.5				
28	14	4.494	.26	.50	.92	1.29	1.62	1.93	2.21	2.5	2.7	2.9	3.1	3.3	3.4	3.7	3.9	4.1			
30	15	4.810	.28	.54	.99	1.39	1.76	2.09	2.40	2.7	2.9	3.2	3.4	3.6	3.8	4.1	4.3	4.5	4.7		
32	16	5.126	.30	.57	1.06	1.50	1.89	2.25	2.59	2.9	3.2	3.4	3.7	3.9	4.1	4.4	4.7	5.0	5.1		
34	17	5.442	.32	.61	1.13	1.60	2.02	2.41	2.77	3.1	3.4	3.7	4.0	4.2	4.4	4.8	5.1	5.4	5.6	5.7	
35	17 1/2	5.600	.33	.63	1.16	1.65	2.08	2.49	2.86	3.2	3.5	3.8	4.1	4.35	4.55	4.95	5.3	5.6	5.8	5.95	
36	18	5.759	.34	.65	1.20	1.70	2.15	2.57	2.95	3.3	3.6	3.9	4.2	4.5	4.7	5.1	5.5	5.8	6.0	6.2	
38	19	6.076	.36	.69	1.27	1.80	2.28	2.73	3.13	3.5	3.9	4.2	4.5	4.8	5.0	5.5	5.9	6.2	6.4	6.6	6.7
40	20	6.393	.38	.72	1.34	1.89	2.40	2.87	3.30	3.7	4.1	4.4	4.7	5.0	5.3	5.8	6.2	6.5	6.8	7.0	7.1
			Manual drip or bath lubrication								Rapid drip, bath or slinger disc lubrication.								Slinger disc or pump lubrication.		

No. 2050 1 1/4" double pitch roller chain

No. of Teeth	Effective No. of Teeth	Pitch Diam.	Revolutions per Minute - Small Sprocket																	
			25	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850
17	8 1/2	3.460	.28	.52	.90	1.40	1.43													
19	9 1/2	3.850	.33	.60	1.06	1.43	1.74	2.0	2.2											
21	10 1/2	4.241	.37	.68	1.22	1.66	2.04	2.37	2.63	2.86	3.07									
23	11 1/2	4.633	.41	.76	1.37	1.88	2.33	2.72	3.05	3.34	3.61	3.83								
25	12 1/2	5.026	.45	.84	1.52	2.09	2.60	3.06	3.45	3.80	4.13	4.39	4.60							
26	13	5.223	.47	.88	1.59	2.20	2.74	3.23	3.65	4.03	4.38	4.66	4.90	5.11	5.30					
28	14	5.617	.51	.95	1.73	2.41	3.01	3.55	4.02	4.45	4.85	5.17	5.47	5.73	5.95	6.09				
30	15	6.012	.55	1.02	1.87	2.62	3.27	3.87	4.37	4.86	5.30	5.67	6.01	6.31	6.57	6.75	6.94			
32	16	6.407	.58	1.09	2.01	2.82	3.52	4.17	4.72	5.25	5.73	6.15	6.53	6.87	7.17	7.39	7.61	7.79		
34	17	6.803	.62	1.17	2.14	3.01	3.77	4.46	5.07	5.67	6.15	6.61	7.05	7.42	7.74	7.99	8.24	8.46	8.62	
35	17 1/2	7.001	.64	1.20	2.20	3.10	3.89	4.60	5.24	5.85	6.35	6.84	7.29	7.68	8.01	8.27	8.54	8.77	8.95	
36	18	7.198	.66	1.24	2.27	3.20	4.01	4.75	5.41	6.04	6.56	7.07	7.54	7.95	8.29	8.56	8.84	9.08	9.28	
38	19	7.595	.70	1.31	2.40	3.39	4.25	5.04	5.75	6.40	6.96	7.51	8.01	8.46	8.82	9.12	9.42	9.68	9.90	10.08
40	20	7.991	.74	1.38	2.53	3.57	4.48	5.32	6.07	6.75	7.35	7.94	8.46	8.94	9.33	9.65	9.97	10.25	10.49	10.69
			Manual drip or bath lubrication.						Rapid drip, bath or slinger disc lubrication.										Slinger disc or pump lubrication.	

No. 2060 1 1/2" double pitch roller chain

No. of Teeth	Effective No. of Teeth	Pitch Diam.	Revolutions per Minute - Small Sprocket																		
			25	50	75	100	125	150	175	200	225	250	275	300	350	400	450	500	550	600	650
17	8 1/2	4.152	.48	.87	1.19	1.48	1.73	1.94	2.12												
19	9 1/2	4.620	.55	1.01	1.40	1.75	2.06	2.34	5.59	2.81	3.0										
21	10 1/2	5.089	.62	1.14	1.61	2.02	2.38	2.73	3.03	3.32	3.56	3.81	4.01	4.19							
23	11 1/2	5.560	.69	1.27	1.80	2.28	2.69	3.10	3.46	3.82	4.10	4.41	4.65	4.90	5.32						
25	12 1/2	6.032	.76	1.40	1.99	2.53	3.0	3.47	3.87	4.29	4.62	4.99	5.28	5.57	6.08	6.49					
26	13	6.268	.79	1.47	2.09	2.66	3.15	3.65	4.08	4.52	4.88	5.27	5.59	5.91	6.46	6.92	7.25				
28	14	6.741	.86	1.60	2.27	2.90	3.45	4.00	4.48	4.96	5.37	5.80	6.17	6.54	7.17	7.72	8.10	8.51			
30	15	7.215	.92	1.72	2.45	3.14	3.74	4.34	4.86	5.39	5.85	6.32	6.73	7.14	7.86	8.48	8.92	9.40			
32	16	7.689	.99	1.85	2.64	3.37	4.02	4.67	5.24	5.81	6.32	6.82	7.27	7.72	8.52	9.21	9.71	10.25	10.70		
34	17	8.163	1.05	1.97	2.82	3.59	4.29	4.99	5.61	6.22	6.78	7.32	7.80	8.29	9.16	9.91	10.47	11.06	11.59	11.99	
35	17 1/2	8.401	1.08	2.03	2.91	3.70	4.42	5.15	5.79	6.42	7.0	7.56	8.06	8.56	9.47	10.24	10.84	11.45	12.0	12.43	
36	18	8.638	1.12	2.10	3.00	3.82	4.56	5.31	5.97	6.63	7.23	7.81	8.32	8.84	9.78	10.58	11.21	11.84	12.42	12.88	
38	19	9.113	1.18	2.22	3.17	4.04	4.83	5.62	6.32	7.03	7.67	8.29	8.83	9.38	10.38	11.23	11.93	12.60	13.22	13.73	14.14
40	20	9.589	1.25	2.34	3.34	4.26	5.09	5.93	6.67	7.42	8.09	8.74	9.33	9.91	10.96	11.86	12.62	13.34	13.99	14.54	
			Manual drip or bath lubrication.									Rapid drip, bath or slinger disc lubrication.									

No. 2080 2" double pitch roller chain

No. of Teeth	Effective No. of Teeth	Pitch Diam.	Revolutions per Minute - Small Sprocket																	
			10	20	30	40	50	60	70	80	90	100	125	150	175	200	225	250	300	350	400
17	8 1/2	5.536	.49	.91	1.28	1.63	1.94	2.23	2.51	2.76	2.99										
19	9 1/2	6.160	.55	1.04	1.48	1.89	2.27	2.62	2.96	3.27	3.57	3.84	4.46	4.99							
21	10 1/2	6.785	.62	1.17	1.67	2.14	2.59	3.01	3.39	3.77	4.11	4.46	5.22	5.89	6.48						
23	11 1/2	7.413	.69	1.30	1.86	2.39	2.92	3.38	3.81	4.26	4.65	5.06	5.96	6.76	7.46	8.11	8.67				
25	12 1/2	8.042	.75	1.43	2.05	2.64	3.23	3.73	4.23	4.73	5.18	5.64	6.67	7.60	8.42	9.19	9.84	10.45			
26	13	8.357	.79	1.49	2.15	2.77	3.38	3.91	4.44	4.97	5.45	5.93	7.02	8.02	8.89	9.72	10.42	11.08			
28	14	8.988	.85	1.62	2.33	3.01	3.67	4.26	4.85	5.42	5.96	6.49	7.69	8.82	9.80	10.74	11.53	12.29	13.60		
30	15	9.620	.91	1.74	2.52	3.25	3.96	4.60	5.25	5.86	6.45	7.03	8.34	9.60	10.68	11.73	12.60	13.46	14.94		
32	16	10.252	.98	1.87	2.70	3.48	4.24	4.94	5.64	6.29	6.93	7.56	8.98	10.36	11.53	12.69	13.63	14.59	16.24	17.65	
34	17	10.885	1.04	1.99	2.88	3.71	4.52	5.28	6.02	6.72	7.40	8.09	9.61	11.10	12.36	13.62	14.63	15.69	17.50	19.04	
35	17 1/2	11.201	1.07	2.05	2.96	3.82	4.66	5.44	6.21	6.93	7.63	8.34	9.92	11.46	12.77	14.07	15.11	16.22	18.11	19.71	
36	18	11.518	1.11	2.11	3.05	3.94	4.80	5.61	6.40	7.14	7.87	8.60	10.23	11.82	13.18	14.52	15.60	16.76	18.72	20.38	21.77
38	19	12.151	1.17	2.23	3.23	4.17	5.08	5.94	6.77	7.56	8.33	9.10	10.84	12.52	13.98	15.39	16.55	17.80	19.90	21.67	23.18
40	20	12.785	1.23	2.35	3.40	4.40	5.35	6.26	7.13	7.98	8.78	9.60	11.44	13.20	14.76	16.24	17.48	18.81	21.04	22.91	24.52
			Manual, drip or bath lubrication.													Rapid drip, bath or slinger disc lubrication.					

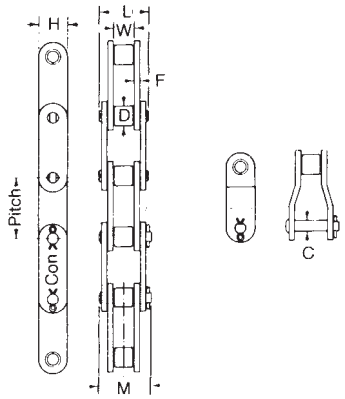
Conveyor series

Conveyor series double pitch roller chain has heavy series thickness sideplates with full contact edges for longer wear. This style chain was designed especially for conveyor applications where the chain will slide over a surface. Conveyor series is also available with large rollers to eliminate normal sliding friction losses.

Conveyor series-standard rollers

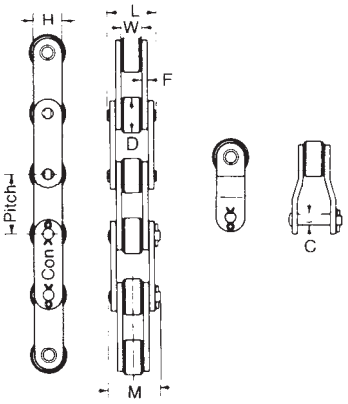
Chain No.	Dimensions (Inches)								Wt. Per Ft. Lbs.	Av. Ult. Strength Lbs.
	Pitch	Roller		Pin Diam. C	Pin Length		Side Plate			
		Diam. D	Width W		Riveted L	Cotter M	Height H	Thick F		
C-2040	1	.312	5/16	.156	.630	.700†	.466	.060	.34	3,700
C-2050	1 1/4	.400	3/8	.200	.790	.870†	.584	.080	.56	6,100
C-2060H	1 1/2	.468	1/2	.234	1.115	1.207	.700	.125	1.01	8,500
C-2080H	2	.625	5/8	.312	1.400	1.504	.934	.156	1.67	14,500
C-2100H	2 1/2	.750	3/4	.375	1.684	1.828	1.166	.187	2.47	24,000
C-2120H	3	.875	1	.437	2.090	2.259	1.400	.219	3.56	34,000

† 1" and 1 1/4" pitches are stocked in rivet type only. Cottered pin length is pin length for connecting link.



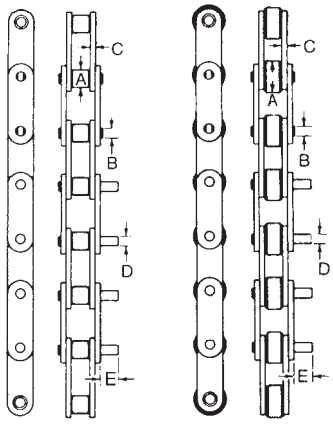
Conveyor series-large rollers

Chain No.	Dimensions (Inches)								Wt. Per Ft. Lbs.	Av. Ult. Strength Lbs.
	Pitch	Roller		Pin Diam. C	Pin Length		Side Plate			
		Diam. D	Width W		Riveted L	Cotter M	Height H	Thick F		
C-2042	1	.625	5/16	.156	.630	.700	.466	.060	.58	3,700
C-2052	1 1/4	.750	3/8	.200	.790	.870	.584	.080	.88	6,100
C-2062H	1 1/2	.875	1/2	.234	1.115	1.207	.700	.125	1.48	8,500
C-2062H-T*	1 1/2	.875	1/2	.234	1.115	1.207	.700	.125	1.00	8,500
C-2082H	2	1.125	5/8	.312	1.400	1.504	.934	.156	2.40	14,500
C-2102H	2 1/2	1.562	3/4	.375	1.684	1.828	1.166	.187	3.96	24,000
C-2122H	3	1.750	1	.437	2.090	2.259	1.400	.219	5.56	34,000



Conveyor series-extended pins

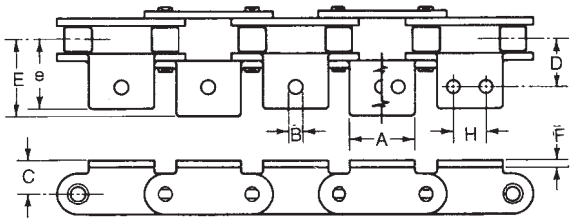
Chain No.	Dimensions (Inches)						
	Pitch	Roller Width	Roller Diam. A	Chain Pin Diam. B	Side Plate Thickness C	Diam.of Extended Pin D	Length of Pin Ext. E
Standard Roller							
C-2040	1	5/16	.312	.156	.060	.156	3/8
C-2050	1 1/4	3/8	.400	.200	.080	.200	15/32
C-2060H	1 1/2	1/2	.468	.234	.125	.234	9/16
C-2080H	2	5/8	.625	.312	.156	.312	3/4
C-2100H	2 1/2	3/4	.750	.375	.187	.375	15/16
C-2120H	3	1	.875	.437	.219	.437	1 1/8
Large Rollers							
C-2042	1	5/16	.625	.156	.060	.156	3/8
C-2052	1 1/4	3/8	.750	.200	.080	.200	15/32
C-2062H	1 1/2	1/2	.875	.234	.125	.234	9/16
C-2062H-T*	1 1/2	1/2	.875	.234	.125	.234	9/16
C-2082H	2	5/8	1.125	.312	.156	.312	3/4
C-2102H	2 1/2	3/4	1.562	.375	.187	.375	15/16
C-2122H	3	1	1.750	.437	.219	.437	1 1/8



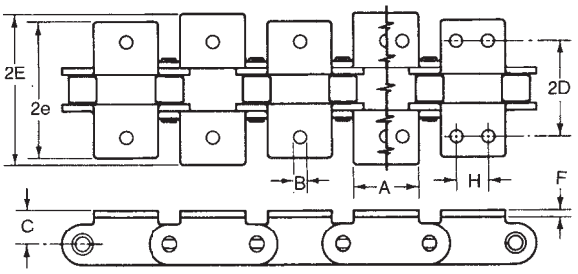
Standard Rollers **Large Rollers**

Chains on this page should not be used for Hoisting applications. Consult Technical Services for Hoist application recommendations.

Conveyor series - standard rollers bent attachments



B-1



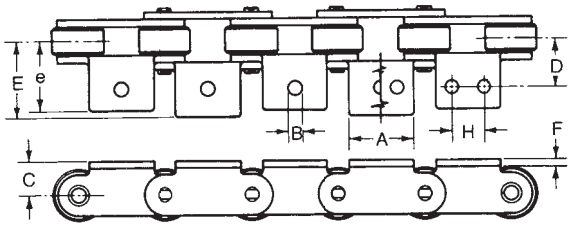
B-2

Chain No.	Pitch	Dimensions (Inches)														Weight In Lbs.		
		Roller		Pin Diam.	A	B+	C	D	2D	Over Roller Link		Over Pin Link		F	H	Chain Per Foot	Each Attach.	
		Width	Diam.							e	2e	E	2E				B-1	B-2
C-2040	1	5/16	.312	.156	3/4	9/64	23/64	1/2	1	11/16	1 3/8	49/64	1 17/32	.060	3/8	.34	.004	.008
C-2050	1 1/4	3/8	.400	.200	1	13/64	7/16	5/8	1 1/4	29/32	1 13/16	63/64	1 31/32	.080	15/32	.56	.014	.028
C-2060H	1 1/2	1/2	.468	.234	1 1/8	13/64	37/64	27/32	1 11/16	1 5/64	2 5/32	1 13/64	2 13/32	.125	9/16	1.01	.035	.070
C-2080H	2	5/8	.625	.312	1 1/2	17/64	3/4	1 3/32	2 3/16	1 13/32	2 13/16	1 9/16	3 1/8	.156	3/4	1.67	.074	.148
C-2100H	2 1/2	3/4	.750	.375	1 7/8	21/64	59/64	1 5/16	2 5/8	1 25/32	3 9/16	1 31/32	3 15/16	.187	15/16	2.47	.132	.264
C-2120H	3	1	.875	.437	2 1/4	25/64	1 3/32	1 9/16	3 1/8	2 9/64	4 9/32	2 3/8	4 3/4	.219	1 1/8	3.56	.216	.432

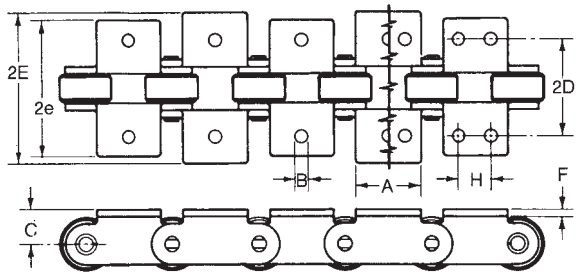
† When ordering double pitch attachment chain specify either one hole or two holes in the attachment tab.
All sizes available in riveted construction. Size C2060 and above available in cottered construction. Please specify desired construction when ordering.

G

Conveyor series - large rollers bent attachments



B-1

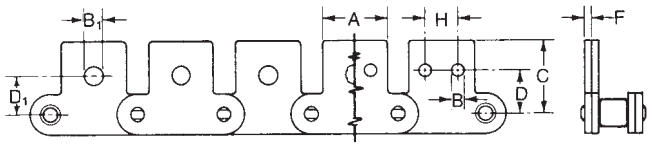


B-2

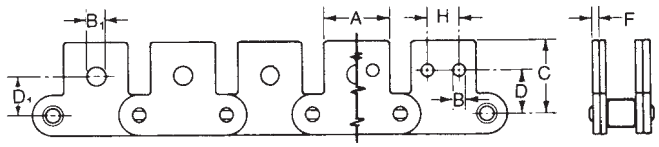
Chain No.	Pitch	Dimensions (Inches)														Weight In Lbs.		
		Roller		Pin Diam.	A	B+	C	D	2D	Over Roller Link		Over Pin Link		F	H	Chain Per Foot	Each Attach.	
		Width	Diam.							e	2e	E	2E				B-1	B-2
C-2042	1	5/16	.625	.156	3/4	9/64	23/64	1/2	1	11/16	1 3/8	49/34	1 17/32	.060	3/8	.58	.004	.008
C-2052	1 1/4	3/8	.750	.200	1	13/64	7/16	5/8	1 1/4	29/32	1 13/16	63/64	1 31/32	.080	15/32	.88	.014	.028
C-2062H	1 1/2	1/2	.875	.234	1 1/8	13/64	37/64	27/32	1 11/16	1 5/64	2 5/32	1 13/64	2 13/32	.125	9/16	1.48	.035	.070
C-2062H-T*	1 1/2	1/2	.875	.234	1 1/8	13/64	37/64	27/32	1 11/16	1 5/64	2 5/32	1 13/64	2 13/32	.125	9/16	1.00	.035	.070
C-2082H	2	5/8	1.125	.312	1 1/2	17/64	3/4	1 3/32	2 3/16	1 13/32	2 13/16	1 9/16	3 1/8	.156	3/4	2.40	.074	.148
C-2102H	2 1/2	3/4	1.562	.375	1 7/8	21/64	59/64	1 5/16	2 5/8	1 25/32	3 9/16	1 31/32	3 15/16	.187	15/16	4.56	.132	.264
C-2122H	3	1	1.750	.437	2 1/4	25/34	1 3/32	1 9/16	3 1/8	2 9/64	4 9/32	2 3/8	4 3/4	.219	1 1/8	5.56	.216	.432

† When ordering double pitch attachment chain specify either one hole or two holes in the attachment tab.
All sizes available in riveted construction. Size C2062 and above available in cottered construction. Please specify desired construction when ordering.

Conveyor series - standard rollers straight attachments



S-1

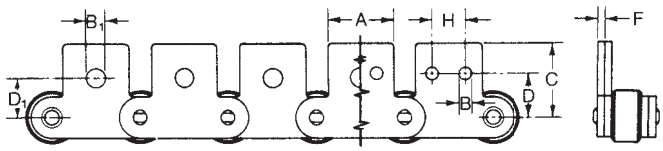


S-2

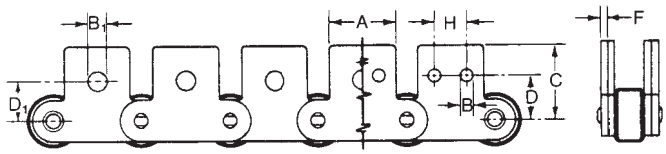
Chain No.	Pitch	Dimensions (Inches)											Weight In Lbs.		
		Roller		Pin Diam.	A	C	F	†With 1 Hole		†With 2 Holes			Chain Per Foot	Each Attach.	
		Width	Diam.					B_1	D_1	B	D	H		S-1	S-2
C-2040	1	5/16	.312	.156	3/4	25/32	.060	13/64	7/16	9/64	17/32	3/8	.34	.004	.008
C-2050	1 1/4	3/8	.400	.200	1	63/64	.080	17/64	9/16	13/64	5/8	15/32	.56	.014	.028
C-2060H	1 1/2	1/2	.468	.234	1 1/8	1 11/64	.125	21/64	11/16	13/64	3/4	9/16	1.01	.035	.070
C-2080H	2	5/8	.625	.312	1 1/2	1 37/64	.156	25/64	7/8	17/64	1	3/4	1.67	.074	.148
C-2100H	2 1/2	3/4	.750	.375	1 7/8	1 63/64	.187	33/64	1 1/8	21/64	1 1/4	15/16	2.47	.132	.264
C-2120H	3	1	.875	.437	2 1/4	2 11/32	.219	37/64	1 5/16	25/64	1 15/32	1 1/8	3.56	.216	.432

† When ordering double pitch attachment chain specify either one hole or two holes in the attachment tab.
All sizes available in riveted construction. Size C2060 and above available in cottered construction. Please specify desired construction when ordering.

Conveyor series - large rollers straight attachments



S-1



S-2

Chain No.	Pitch	Dimensions (Inches)											Weight In Lbs.		
		Roller		Pin Diam.	A	C	F	†With One Attach Hole		†With Two Attach Hole			Chain Per Foot	Each Attach.	
		Width	Diam.					B_1	D_1	B	D	H		S-1	S-2
C-2042	1	5/16	0.625	.156	3/4	25/32	.060	13/64	7/16	9/64	17/32	3/8	.58	.004	.008
C-2062H	1 1/4	3/8	0.750	.200	1	63/64	.080	17/64	9/16	13/64	5/8	15/32	.88	.014	.028
C-2082H	1 1/2	1/2	0.875	.234	1 1/8	1 11/64	.125	21/64	11/16	13/64	3/4	9/16	1.48	.035	.070
C-2062H-T*	1 1/2	1/2	0.875	.234	1 1/8	1 11/64	.125	21/64	11/16	13/64	3/4	9/16	1.00	.035	.070
C-2082H	2	5/8	1.125	.312	1 1/2	1 37/64	.156	25/64	7/8	17/64	1	3/4	2.40	.074	.148
C-2102H	2 1/2	3/4	1.562	.375	1 7/8	1 63/64	.187	33/64	1 1/8	21/64	1 1/4	15/16	4.56	.132	.264
C-2122H	3	1	1.750	.437	2 1/4	2 11/32	.219	37/64	1 5/16	25/64	1 15/32	1 1/8	5.56	.216	.432

† When ordering double pitch attachment chain specify either one hole or two holes in the attachment tab.
All sizes available in riveted construction. Size C2062 and above available in cottered construction. Please specify desired construction when ordering.

Conveyor series selection

Conveyor chain selection is usually based on the Working Load capacity of the chain rather than horsepower capacity. The allowable Working Loads are presented in the table below.

The following information provides the necessary formulas and factors needed to select the proper chain for a conveying application. The basic procedure is to determine the chain pull or working load, choose an appropriate chain size, and calculate the power required to operate the conveyor.

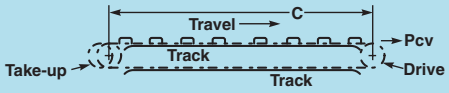
The Working Load or chain pull is calculated by using one of the following three formulas in conjunction with the coefficient of friction factors found in the tables.

For each of the following conveyor arrangements, there are formulas for the two most common conditions: the load supported by the chain and the load moved but not supported by the chain. The coefficient of friction for sliding material is found in the table.

Working loads for conveyor series chains

Chain No.	Pitch (in.)	Chain speed (ft/min)								
		5	25	50	75	100	200	300	400	500
C2040	1.00	530	525	510	490	465	335	230	160	115
C2050	1.25	870	865	840	805	765	555	380	265	190
C2060H	1.50	1215	1205	1170	1125	1065	775	530	370	265
C2080H	2.00	2070	2055	2000	1915	1815	1320	905	630	455
C2100H	2.50	3425	3400	3310	3175	3000	2180	1500	1040	750
C2120H	3.00	4855	4815	4690	4495	4250	3090	2125	1480	1065

Horizontal arrangement



a. Conveyed material moved but not supported by the chain:

$P_a = C(2.1Mf + Wf_w) + J$

b. Conveyed material is supported by chain. In this case, $f_w = f$ (of the chain-that is, f_s or f_r) and the formula becomes

$P_b = Cf(2.1M + W) + J$

(J applies only when sidewalls are stationary)

The total conveyor pull is the sum of the following:

Pull on loaded run	$P = P_a$ or P_b
Pull on return run	$P_R = MCf$
Take-up pull*	P_{TU} or P_c
Pull to operate tail sprocket	P_R x .1
Pull from other factors	P_O
Total conveyor pull	P_{cv}

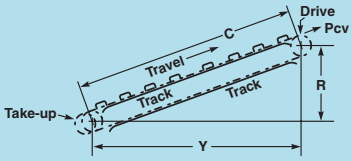
Calculate the total chain pull per strand (P_T) by dividing P_{cv} by the number of strands taking the load.

Horsepower required to operate the conveyor

$$HP = \frac{(P_{cv} - P_{TU} \text{ or } P_c) \times 1.2 \times S}{33{,}000}$$

*Usually the takeup pull is known. If not, use 0.3% of the chain's ultimate strength as a reasonable estimate.

Inclined arrangement



a. Conveyed materials moved but not fully supported by the chain conveyor:

$P_a = C(2Mf \cos \alpha + Wf_w \cos \alpha + W \sin \alpha) + J$

b. Conveyed material is fully supported by the conveyor. In this case, $f_w = f$ and the formula becomes

$P_b = Cf \cos \alpha (2M + W) + (CW \sin \alpha) + J$

1. When Y and R are known:

$\cos \alpha = \frac{Y}{C}$ and $\sin \alpha = \frac{R}{C}$

2. When (Mf cos α - Mf sin α) is a positive quantity, multiply the difference by 1.1 for tail shaft friction.

The total conveyor pull is the sum of the following:

Pull on loaded run	$P = P_a$ or P_b
Pull on return run**	$P_R = MYF$
Take-up pull*	P_{TU} or P_c
Pull to operate tail socket	P_R x .1
Pull from other factors	P_O
Total conveyor pull	P_{cv}

Calculate the total chain pull per strand (P_T) by dividing P_{cv} by the number of strands taking the load.

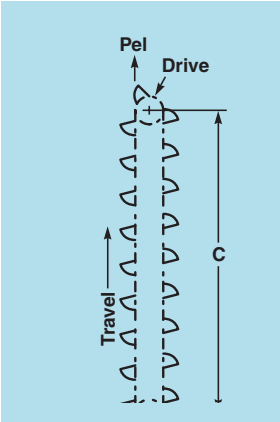
Horsepower required to operate the conveyor

$$HP = \frac{(P_{cv} - P_{TU} \text{ or } P_c) \times 1.2 \times S}{33{,}000}$$

*Usually the takeup pull is known. If not, use 0.3% of the chain's ultimate strength as a reasonable estimate.

**Disregard when $\frac{R}{Y}$ is greater than factor f.

Vertical arrangement



P = C(M + W)

The total elevator pull is the sum of the following:

Pull on loaded run	P = (M+W) C
Take-up pull*	P_{TU}
Digging pull	P_B = x d
Pull to operate tail sprocket.....	P_{TU} x .1
Total elevator pull.....	P_{EL}

Calculate the total chain pull per strand (P_T) by dividing P_{EL} by the number of chain strands used in the elevator

Horsepower required to operate the elevator.

$$HP = \frac{P_{EL} - (P_{TU} + MC) \times 1.2 \times S}{33{,}000}$$

*Usually the takeup pull is known. If not, use 0.3% of the chain's ultimate strength as a reasonable estimate.

For material with small lumps, multiple M by the sprocket diameter. For fine or fluffy materials, multiply M by the sprocket radius.

Definitions

M, weight, in pounds per foot, of the moving elements of the conveyor as carried by the chains.

W, weight of material carried in pounds per foot of conveyor. (for unit materials, sum up the average weight of units expected to be on the conveyor at maximum capacity, and divide by the conveyor length in feet.)

f, coefficient of friction of chain, sliding or rolling (f_s or f_r), as given in the tables.

f_w, coefficient of friction of material sliding in trough, as given in the table or from other references. (Note: When material is entirely carried by conveyor, f_w = f.)

J, additional pull from drag of material on stationary sides of trough, given in the tables,

S, conveyor speed, in feet per minute.

P, conveyor pull, in pounds. (P_a or P_b).

P_B = Pull due to digging material from elevator boot, pounds

$$P_C = \text{Centrifugal Pull} = \frac{\text{Chain Weight per Foot} \times (\text{FPM})^2}{115{,}900}$$

P_L = Conveyor or elevator pull on loaded run, pounds
P_O = Conveyor pull from other sources, pounds
P_R = Conveyor pull on return run, pounds
P_{CV} = Total calculated conveyor pull, pounds
P_{EL} = Total calculated elevator pull, pounds
P_{TU} = Conveyor take-up pull, pounds
HP = Horsepower at head shaft
C = Length of conveyor in feet
α = Angle of conveyor incline (from horizontal)

G

Friction factors f_r for double-pitch roller chains equipped with large rollers

Chain Number	Static*		Rolling	
	Dry	Lubricated	Dry	Lubricated
C-2042	0.17	0.12	0.14	0.10
C-2052	0.16	0.11	0.13	0.09
C-2062H	0.16	0.11	0.13	0.09
C-2082H	0.15	0.10	0.12	0.08
C-2102H	0.14	0.09	0.11	0.07
C-2122H	0.14	0.09	0.11	0.07

* Use static coefficient of friction for speeds of 3 ft/min or less.

Friction factors f_s for sliding roller conveyor chain

Condition	Dry	Lubricated
Static*	0.33	0.24
Sliding	0.27	0.21

* Use static coefficient of friction for speeds of 3 ft/min or less.

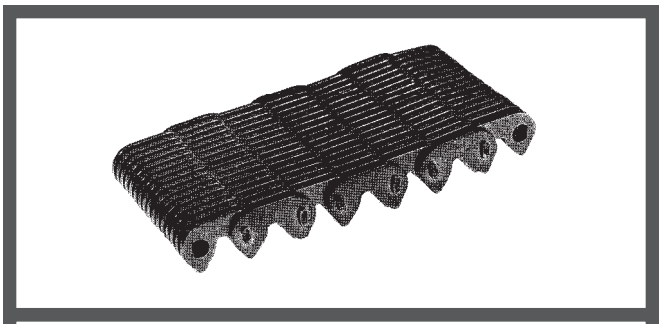
Friction factors f_w for sliding of materials

Material	Coefficient
Coal on steel	0.33
Crushed stone or *sand* on steel	0.33
Cement on steel	0.80
Wood on Wood	0.55

Trough drag friction factor J for materials

Material	R
Coal	14.0
Coke	35.0
Limestone	7.5
Gravel	7.0
Sand	5.5
Ashes	14.0

$J = \frac{Ch^2}{R}$ Where:
h = height of material in inches
R = variable factor for different material
C = length of conveyor in feet

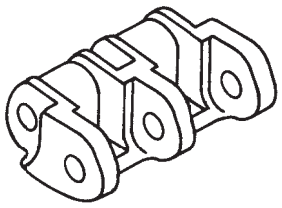


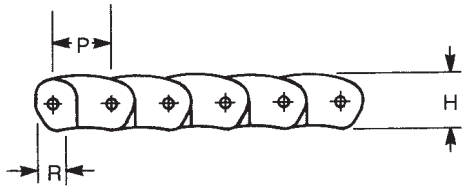
Silent chain

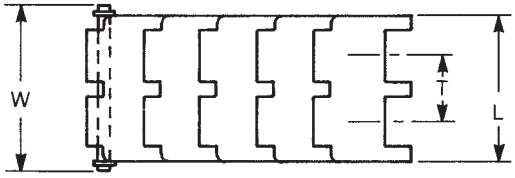
- Flat Top Surface
- Smooth Running
- High Speed Capacity
- High Temperature Tolerance
- Long Life
- Good Stability for Bottles, Cans, and Glassware

Delrin* chain

- Corrosion Resistant
- Runs On Standard Sprockets
- Low Friction
- Maintenance-Free
- Performs Without Lubrication
- Ambient Temperature Up to 180°F
- Stainless Steel Pin Available
- Compact Design
- Quieter Than Metal Chain







Chain No.	Dimensions (Inches) P Pitch	R Roller Dia.	L Link Width	W Over Pin Width	H Height	T Transverse Pitch	Minimum Tensile Strength	Weight Per Foot
N400	1/2	.312	1.250	1.391	.484	.57	600	.37
N600	3/4	.464	1.938	2.031	.750	.85	1200	.69

Refer to pages G-39 and G-40, conveyor chain selection formulas for application design calculation. Use .25 coefficient or friction factor.

Chain is packaged in 10' or 50' lengths.

Pins are slip fit or drive fit in quantity of 10 per package. Specify choice when ordering. Standard pins are zinc plated. Stainless steel pins are available on a made-to-order basis.

Consult Technical Services for your application requirement.

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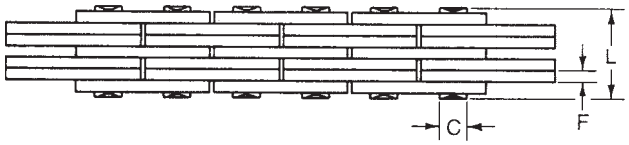
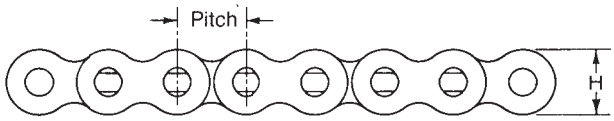
Lift applications demand the frequent transmission of high lifting power at relatively low speeds. The constant flexure and frequent shock loads to which leaf chains are subjected, demand a tension linkage with maximum resistance to fatigue and wear. Morse® Leaf Chains are specifically designed to answer this need.





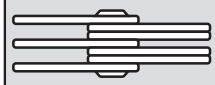
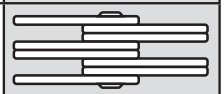
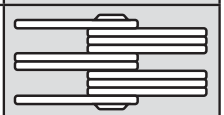
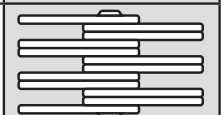
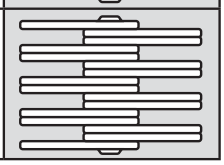
BL leaf chain

Dimensions (Inches)								
Leaf Chain No.	Pitch	Lacing	Pin Dia. (C)	Plate Thickness (F)	Plate Height (H)	Width Over Riveted Pins (L)	Approx. Weight Per Ft.	ANSI Minimum Ultimate Tensile Strength*
BL423	1/2"	2 X 3	.200	.080	.466	.495	.550	5,000
BL434		3 X 4				.660	.763	7,500
BL446		4 X 6				.910	1.082	10,000
BL523	5/8"	2 X 3	.234	.094	.584	.584	.797	7,500
BL534		3 X 4				.777	1.106	11,000
BL546		4 X 6				1.069	1.570	15,000
BL623	3/4"	2 X 3	.312	.125	.700	.786	1.197	11,000
BL634		3 X 4				1.048	1.657	17,000
BL644		4 X 4				1.179	1.888	22,000
BL646		4 X 6				1.441	2.348	22,000
BL666		6 X 6				1.705	2.809	33,000
BL822	1"	2 X 2	.375	.156	.934	.808	1.507	19,000
BL823		2 X 3				.970	1.940	19,000
BL834		3 X 4				1.294	2.682	29,000
BL844		4 X 4				1.455	3.068	38,000
BL846		4 X 6				1.781	3.820	38,000
BL866		6 X 6				2.105	4.573	57,000
BL1023	1 1/4"	2 X 3	.437	.187	1.166	1.152	3.005	26,000
BL1034		3 X 4				1.542	4.178	41,000
BL1044		4 X 4				1.733	4.764	52,000
BL1046		4 X 6				2.126	5.937	52,000
BL1066		6 X 6				2.511	7.111	78,000
BL1223	1 1/2"	2 X 3	.500	.219	1.400	1.352	4.080	34,000
BL1234		3 X 4				1.807	5.674	55,000
BL1244		4 X 4				2.033	6.472	68,000
BL1246		4 X 6				2.494	8.067	68,000
BL1266		6 X 6				2.947	9.662	102,000
BL1288		8 X 8				3.859	12.851	136,000
BL1423	1 3/4"	2 X 3	.562	.250	1.634	1.531	5.286	43,000
BL1434		3 X 4				2.048	7.356	71,000
BL1444		4 X 4				2.307	8.392	86,000
BL1446		4 X 6				2.825	10.462	86,000
BL1466		6 X 6				3.345	12.533	130,000
BL1623	2"	2 X 3	.687	.281	1.866	1.767	7.668	65,000
BL1634		3 X 4				2.360	10.663	99,000
BL1646		4 X 6				3.251	15.157	130,000
BL1688		8 X 8				5.035	24.146	260,000

* Minimum ultimate tensile strength is not the working load capacity of the chain. A service, or safety, factor must be applied, with regard to severity or application and experience of user, when designing application.

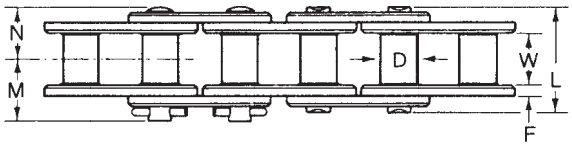
NOTE: Replacement chain specifications should be verified by lift manufacturer.

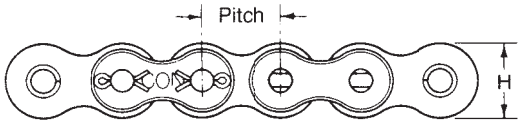
- **Plate Lacing construction**
- **Maximum lift strength per unit of width**
- **Larger pin diameters**
- **Heavier plate thickness**
- **Large Roller Link contour**

Leaf Chain Lacing	
2 x 2	
2 x 3	
3 x 4	
4 x 4	
4 x 6	
6 x 6	
8 x 8	

Standard lengths...10 ft

AL (light) series of leaf chains is no longer standard and has been deleted by ANSI and ISO (International Standards Organization). Morse can furnish as replacement (new applications should use BL series) on a made-to-order basis subject to suitable quantities.





Rollerless hoist chain

Catalog No.	Dimensions (Inches)									ANSI Minimum Ultimate Tensile Strength*	Approx. Weight Per Foot
	Pitch	W Bushing Width	D Bushing Dia.	C-Pin Dia.	F-Plate Thick-ness	L-Width Over Pins	H-Inside Plate Height	N	M		
65	3/4	1/2	.344	.234	.094	.990	.700	.495	.586	7000	.82
85	1	5/8	.460	.312	.125	1.274	.934	.637	.741	12500	1.46
8-85	1	5/8	.460	.312	.125	1.274	.934	.637	.741	14700	1.46
105	1 1/4	3/4	.554	.375	.156	1.555	1.166	.778	.923	19500	2.17

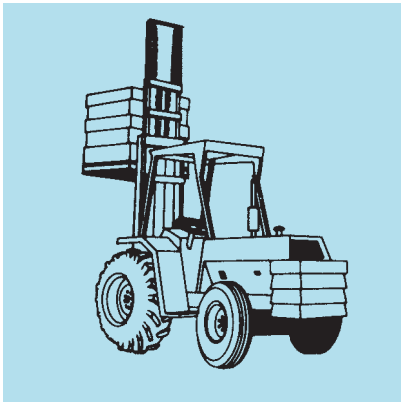
* Minimum ultimate tensile strength is not the working load capacity of the chain.

A service, or safety, factor must be applied, with regard to severity or application and experience of user, when designing an application.

Available in Riveted and Cottered construction. Please specify desired construction when ordering.

CAUTION- Avoid use in known corrosive atmospheres. Consult Technical Services when in doubt.

NOTE- Replacement chain specifications should be verified by lift manufacturer, some manufacturers utilize chains with special tensile ratings.



LIFT TRUCK
Use only drive fit connectors in lifting applications

Standard lengths...10 ft

Morse® Rollerless hoist chains are made of the same high quality and fatigue resistant parts as standard Morse Roller Chains—only the rollers have been omitted. This allows a saving to the user without a sacrifice of capacity.

Rollerless hoist chains are used on applications where speeds are slow and joint articulation is infrequent. Typical application—as the lifting device on fork lift trucks. Chain is used with sheaves or rollers instead of sprockets.

Chains on this page should not be used for sprocket Hoist applications. Consult Technical Services for Hoist application recommendations.

Broad Product Offering • Highest Quality

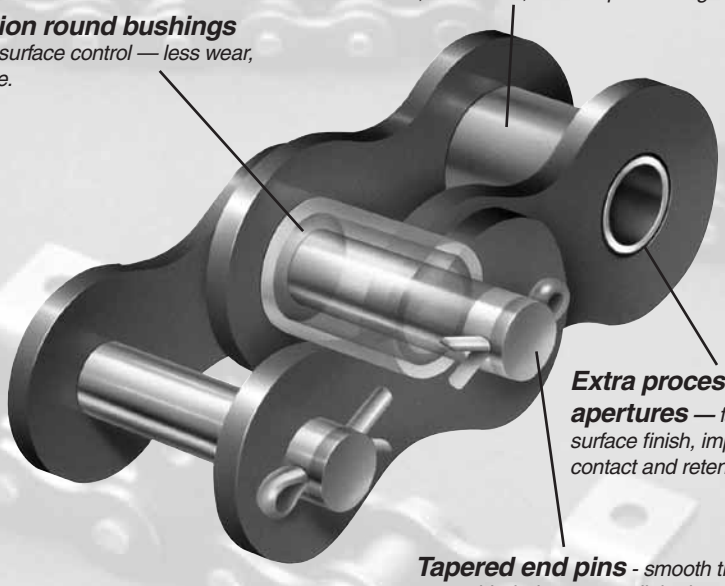
No other company offers all these features and benefits in reliable chain drives. Select from a full range of pre-stressed roller chain: standard and heavy series, single and multiple strand; custom conveyor chain with a variety of attachments; specialty chain; HV inverted tooth and SC silent chain; leaf chain, plus many more specialized designs.

ASME/ANSI Chain Products

Single Strand	Pitch
Standard Series	25 - 200
Heavy Series	60 - 200
High Strength	60 - 200
Lubed For Life	40 - 80
Standard Attachment	25 - 160
Double Pitch Conveyor	
Standard Roller	2040 - 2120
Large Roller	2042 - 2122
Double Pitch Attachment	C2040 - C2122
Other	
Leaf	BL4 - BL16
Rollerless Hoist	60 - 100
Wrench	50
Agricultural	80
Moisture Guard	35 - 80
HV Inverted Tooth Chain	3/8 - 2
SC Silent Chain	3/16 - 1
Stainless Steel	25 - 80
Nickel Plated	35 - 60
Pre-Lubricated	40 - 80
Multi Flex	100 - 200
Multiple Strand	
Standard	
Double, Triple, Quadruple	35 - 200
Quintuple, Sextuple, Octuple	60 - 160
Heavy	
Double, Triple, Quadruple	60 - 200
Quintuple, Sextuple	60 - 160
Pre-Lubricated Double	40 - 50

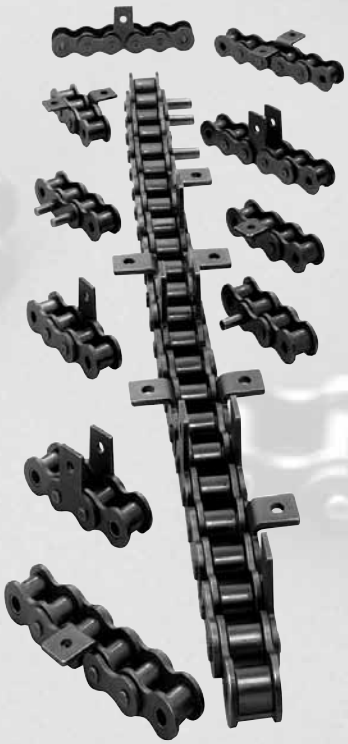
Shot peened solid rollers *of optimal wall thickness, finer finish, more impact strength.*

Precision round bushings *improve surface control — less wear, longer life.*



Extra processing of link apertures *— fatigue resistant surface finish, improved pin contact and retention.*

Tapered end pins *- smooth trouble-free assembly, helps prevent link-plate damage.*



Morse® attachment chain is offered in a significant breadth of line — 35 to 160, C2040 to C2122, with excellent custom design capabilities.

G

HV Chain

Leaf Chain

Corrosion resistant materials available for all styles!

Morse provides a wide range of high quality roller chain solutions to meet application needs for many different industries. With 100 years of experience in chain products that meet or exceed industry standard; Morse delivers exceptional customer value.

Morse offers several corrosion resistant roller chain solutions to help customers with challenging applications in harsh environments.

Chain Types

Morse provides corrosion resistant materials for most chain styles.

Moisture Guard® Chain

- Corrosion protection with high strength and wear resistance
- Plated before assembly for through corrosion protection
- Custom Moisture Guard chain available for design according to your application needs for materials, platings, coatings and lubricants
- Stocked in 35 through 80 pitch in 10 ft. packages or cut-to-length

How to Order:
Simply add an MG after the pitch size. For example, order 60MG R for 60 pitch riveted Moisture Guard Chain.

"New" Enhanced Moisture Guard® Chain

- Especially tough applications
- Each chain designed to your specific need
- Let us design your chain requirements for corrosion protection with high strength and wear resistance

Nickel Plated Roller Chain

- High quality nickel plating applied to chain parts prior to assembly
- Outstanding appearance and corrosion resistance
- Many sizes available from stock, with or without attachments – other sizes and special attachments available upon request

Stainless Steel Roller Chain

- 300 Series stainless steel for the most corrosive environments
- Stocked in 25 through 120, including popular attachments – other sizes and special attachments also available

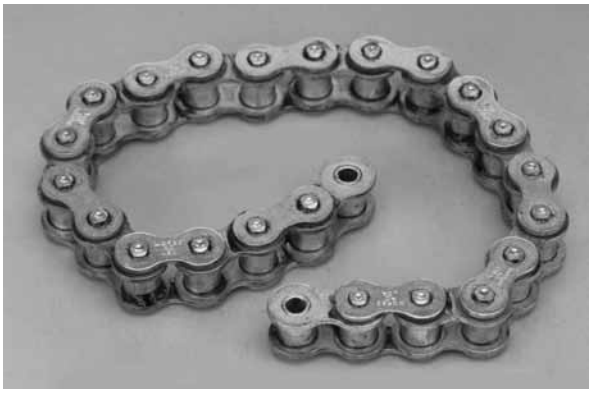
Corrosion Resistant Attachment Chain

- Available in standard carbon steel, nickel plated, Moisture Guard, stainless steel and custom designs on a made-to-order basis

For customized chain solutions, contact Application Engineering at 1-800-626-2093 or by email at ***applicationengineering@emerson-ept.com*** to solve your chain corrosion problems

ASTMB-117 • 500 Hour Salt Spray Test

Competitor “Water Proof” Chain

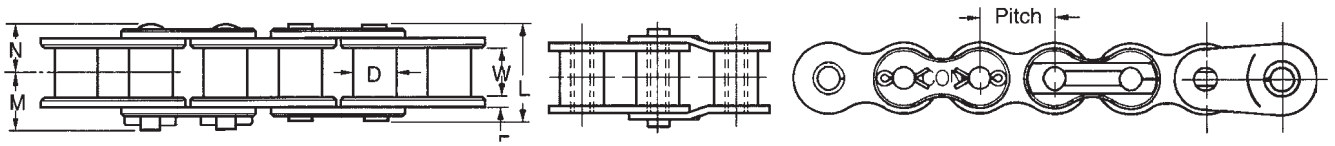


Morse® Moisture Guard® Chain

Stainless steel roller chain

Morse® standard stainless steel chain utilizes 18-8 chromium nickel (300 Series) steel. These chains can be used in the most corrosive environments. These include high moisture, hot operations found in many food handling and packaging applications. The 300 Series chain provides maximum corrosion resistance to other harsh conditions such as operations using acids and alkalies at elevated temperatures.

Morse standard stainless steel chain is a preferred choice where cleanliness of operation is either desired or required. In applications where wear life is the prime concern, we offer on a made-to-order basis stainless steel chain utilizing 300 Series side plates and heat treated 400 Series pins, rollers, and bushings. This combination provides the most durable balance to corrosion and wear resistance.



Stainless steel roller chain-single strand

Catalog No.	Dimensions (Inches)										
	Pitch	W-Roller Width	D-Roller Dia.	C-Pin Dia.	F-Plate Thk	L-Width Over Pins	H-Inside Plate Height	N	M	Average Tensile Strength	Weight Per Foot
*25-SS	1/4	1/8	.130	.091	.030	.312	.230	.150	.190	700	.09
*35-SS	3/8	3/16	.200	.141	.050	.466	.350	.233	.267	1,700	.22
40-SS	1/2	5/16	.312	.156	.060	.630	.466	.315	.380	2,700	.43
41-SS	1/2	1/4	.306	.141	.050	.512	.390	.260	.370	1,950	.28
50-SS	5/8	3/8	.400	.200	.080	.790	.584	.395	.460	4,700	.71
60-SS	3/4	1/2	.468	.234	.094	.990	.700	.495	.586	6,750	1.03
80-SS	1	5/8	.625	.312	.125	1.274	.908	.643	.762	11,500	1.60

* Rollerless

Standard attachments and other sizes of chains are available on made-to-order basis.

All sizes available in Riveted construction only.

Nickel plated roller chain

Morse® nickel plated chain may be desirable in mildly corrosive areas. The appearance is a nickel gloss resembling the satin finish of stainless steel.

The chain is carefully processed to ensure the highest quality. Parts are plated prior to assembly to assure all critical areas are protected. Tensile strength meets A.N.S.I. specifications.

Do not attempt to plate stock assembled carbon steel chain - side plates can fracture.

Nickel plated roller chain-single strand

Chain No.	Dimensions (Inches)										
	Pitch	W-Roller Width	D-Roller Dia.	C-Pin Dia.	F-Plate Thickness	L-Width Over Pins	H-Inside Plate Height	N	M	Average Tensile Strength	Weight Per Foot
*35N	3/8	3/16	.200	.141	.050	.466	.350	.233	.267	2,100	.21
40N	1/2	5/16	.312	.156	.060	.630	.466	.315	.380	3,700	.42
50N	5/8	3/8	.400	.200	.080	.790	.584	.395	.460	6,100	.69
60N	3/4	1/2	.468	.234	.094	.990	.700	.495	.586	8,500	1.00

* Rollerless

Standard attachments and other sizes of chains are available on made-to-order basis.

All sizes available in Riveted construction only.

Chains on this page should not be used for Hoisting applications. Consult Technical Services for Hoist application recommendations.

LL CHAIN - longer chain life with minimum lubrication maintenance

Morse® Sintered Bushing Chain combines the precision workmanship and quality construction of Morse ANSI roller chain with the self-lubricating properties of oil impregnated, sintered metal bushings to assure longer, more reliable chain service where external lubrication is prohibited or severely limited.

A reservoir of oil is locked into the controlled porosity of the sintered metal bushings. Chain movement releases this oil to all bearing surfaces of bushings, pins, plates and sprocket teeth minimizing wear and power loss. When the chain comes to rest, the lubricant is reabsorbed into the bushings for future use.

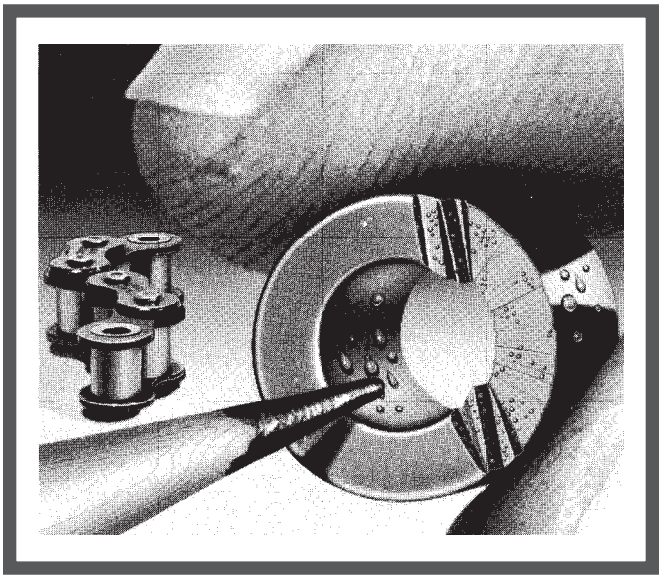
Self lubrication is clean and effective

Morse® LL Chain is specifically engineered to give maximum chain life in power transmission and conveying applications where:

1. External lubrication is impossible, impractical, or frequently neglected.
2. External lubrication is not permitted for sanitation or contamination reasons.

Morse LL Chain is:

- Available from stock in 4 standard pitches-1/2", 5/8", 3/4", and 1".
- Dimensionally interchangeable with ANSI roller chain of the same size; operates on the same sprockets.
- Pre-stressed for better pitch control and increased fatigue resistance.
- Packaged for "off-the-shelf" availability.



Periodic addition of external lubrication—when possible extends the service life of Morse LL Chain. Where adequate external lubrication can be provided, Morse standard roller chain with its higher horsepower capacity and superior fatigue strength is recommended for best chain performance. If Morse LL Chain is to be used in temperatures over 125°F or under prolonged exposure to solvents or detergents, consult Morse for recommendations. Optimum speed range for Morse LL Chain is up to 600 feet per minute.

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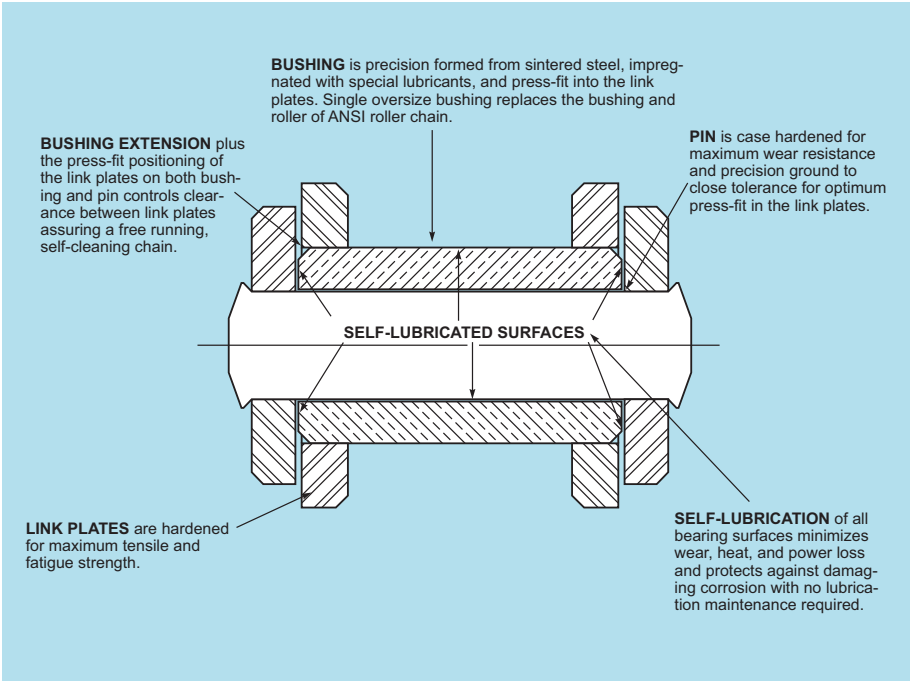
Applications

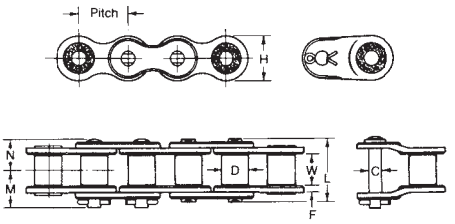
- **Food processing and handling**
- **Packaging machinery**
- **Farm equipment such as blowers, dryers, and feeders**
- **Textile industry**
- **Paper and printing machinery**
- **Vending machines**
- **Chemical operations and processing**
- **Construction machinery**
- **Material handling equipment**
- **Mobile or portable vehicles**



Solve problems of hit or miss lubrication maintenance or product contamination with **MORSE Sintered Bushing** chain.

Standard series-single strand

Catalog No.	Dimensions (Inches)									Average Tensile Strength	Weight Per Foot
	Pitch	W-Roller Width	D-Roller Dia.	C-Pin Dia.	F-Plate Thickness	L-Width Over Pins	H-Inside Plate Height	N	M		
40LL	1/2	5/16	.312	.156	.060	.630	.466	.315	.380	3400	.42
50LL	5/8	3/8	.400	.200	.080	.790	.584	.395	.460	5500	.69
60LL	3/4	1/2	.468	.234	.094	.990	.700	.495	.586	7500	1.00
80LL	1	5/8	.625	.312	.125	1.274	.934	.637	.741	13000	1.71



Horsepower ratings

No. of Teeth Small Sprkt.	40 LL - 1/2" Pitch Sintered Bushing Chain Revolutions Per Minute - Small Sprocket											
	50	100	200	300	400	500	600	700	800	900	1000	1200
11	0.21	0.38	0.69	0.96	1.19	1.41	1.59	1.75	1.89	2.02	2.14	2.32
12	0.22	0.42	0.77	1.07	1.34	1.58	1.81	2.00	2.16	2.81	2.46	2.71
13	0.24	0.46	0.84	1.18	1.48	1.76	2.00	2.24	2.44	4.62	2.79	
14	0.26	0.50	0.91	1.28	1.63	1.93	2.20	2.46	2.67	2.88	3.09	
15	0.28	0.54	0.99	1.39	1.76	2.09	2.40	2.67	2.93	3.16		
16	0.30	0.57	1.06	1.49	1.89	2.25	2.59	2.89	3.17	3.43		
17	0.32	0.61	1.13	1.59	2.02	2.41	2.77	3.10	3.41			
18	0.34	0.65	1.20	1.70	2.15	2.57	2.94	3.31	3.63			
19	0.36	0.69	1.27	1.80	2.28	2.72	3.14	3.51				
20	0.38	0.72	1.34	1.90	2.40	2.87	3.29	3.70				
21	0.40	0.76	1.41	1.99	2.52	3.01	3.47					
22	0.42	0.79	1.48	2.08	2.64	3.15	3.63					
23	0.44	0.83	1.54	2.18	2.76	3.30	3.79					
24	0.46	0.87	1.60	2.27	2.88	3.44	3.96					
25	0.48	0.90	1.67	2.36	2.36	3.00	3.58					
30	0.57	1.08	1.99	2.81	3.56							
35	0.66	1.25	2.30	3.24	4.09							
40	0.75	1.41	2.60	3.65								
45	0.84	1.58	2.89	4.04								
50	0.93	1.74	3.17									
55	1.01	1.89	3.44									
60	1.10	2.05	3.71									

Use Standard ANSI Roller Chain

No. of Teeth Small Sprkt.	50 LL - 5/8" Pitch Sintered Bushing Chain Revolutions Per Minute - Small Sprocket										
	50	100	200	300	400	500	600	700	800	900	1000
11	0.39	0.72	1.29	1.78	2.19	2.56	2.85	3.12	3.33	3.53	3.68
12	0.43	0.80	1.44	1.99	2.48	2.90	3.26	3.58	3.86	4.10	
13	0.47	0.87	1.59	2.20	2.74	3.23	3.65	4.03	4.36		
14	0.51	0.91	1.73	2.41	3.01	3.55	4.02	4.45	4.84		
15	0.54	1.02	1.87	2.61	3.27	3.86	4.39	4.88			
16	0.58	1.09	2.00	2.81	3.52	4.16	4.74	5.26			
17	0.62	1.16	2.14	2.99	3.77	4.46	5.09				
18	0.66	1.23	2.27	3.19	4.01	4.75	5.41				
19	0.70	1.31	2.41	3.39	4.25	5.05	5.76				
20	0.73	1.38	2.54	3.56	4.48	5.22					
21	0.77	1.45	2.66	3.75	4.70	5.59					
22	0.81	1.52	2.79	3.92	4.92	5.86					
23	0.84	1.58	2.91	4.09	5.16	6.12					
24	0.88	1.65	3.05	4.27	5.37						
25	0.91	1.72	3.17	4.45	5.59						
30	1.09	2.06	3.77	5.28							
35	1.27	2.38	4.35	6.07							
40	1.44	2.70	4.91								
45	1.61	3.01	5.44								
50	1.78	3.31	5.86								
55	1.94	3.60	6.47								
60	1.96	3.90									

Use Standard ANSI Roller Chain

No. of Teeth Small Sprkt.	60 LL - 3/4" Pitch Sintered Bushing Chain Revolutions Per Minute - Small Sprocket									
	50	100	150	200	300	400	500	600	700	800
11	0.66	1.21	1.70	2.15	2.93	3.58	4.12	4.56	4.93	5.21
12	0.73	1.34	1.90	2.41	3.30	4.05	4.70	5.24	5.71	6.08
13	0.79	1.48	2.09	2.65	3.65	4.52	5.27	5.91	6.46	
14	0.86	1.60	2.27	2.90	4.00	4.97	5.79	6.54		
15	0.92	1.72	2.45	3.14	4.34	5.39	6.32	7.14		
16	0.99	1.85	2.64	3.36	4.66	5.82	6.82	7.73		
17	1.05	1.97	2.82	3.59	4.98	6.22	7.32			
18	1.12	2.10	2.99	3.82	5.31	6.63	7.82			
19	1.18	2.23	3.17	4.05	5.62	7.03	8.29			
20	1.25	2.34	3.34	4.26	5.93	7.41				
21	1.31	2.46	3.51	4.49	6.24	7.80				
22	1.37	2.58	3.67	4.70	6.54	8.16				
23	1.44	2.69	3.83	4.90	6.83	8.53				
24	1.50	2.80	4.00	5.11	7.12	8.90				
25	1.56	2.92	4.17	5.32	7.41					
30	1.86	3.48	4.96	6.32	8.78					
35	2.16	4.03	5.73	7.29						
40	2.45	4.55	6.46	8.20						
45	2.73	5.07	7.18	9.10						
50	3.02	5.59	7.87							
55	3.29	6.07	8.54							
60	3.58	6.55	9.21							

Use Standard ANSI Roller Chain

No. of Teeth Small Sprkt.	80 LL - 1" Pitch Sintered Bushing Chain Revolutions Per Minute - Small Sprocket												
	25	50	100	150	200	250	300	350	400	450	500	550	600
11	0.81	1.52	2.76	3.83	4.78	5.62	6.36	7.02	7.60	8.12	8.56	8.89	0
12	0.89	1.68	3.08	4.28	5.36	6.33	7.20	7.97	8.67	9.28	9.84	10.3	10.7
13	0.97	1.83	3.36	4.72	5.93	7.03	8.03	8.93	9.75	10.5	11.2	11.8	
14	1.05	1.99	3.66	5.15	6.49	7.71	8.82	9.84	10.8	11.6	12.39		
15	1.13	2.14	3.95	5.57	7.03	8.37	9.59	10.7	11.8	12.7			
16	1.21	2.30	4.24	5.98	7.56	9.01	10.3	12.7	13.7				
17	1.29	2.44	4.52	6.39	8.09	9.65	11.08	12.04	13.6				
18	1.37	2.59	4.80	6.79	8.60	10.3	11.8	13.2	14.5				
19	1.45	2.75	5.09	7.20	9.13	10.9	12.53	14.04					
20	1.52	2.87	5.36	7.57	9.60	11.5	13.2	14.8					
21	1.60	3.03	5.62	7.96	10.1	12.1	13.9						
22	1.67	3.18	5.90	8.34	10.6	12.6	14.5						
23	1.75	3.32	6.16	8.75	11.1	13.2	15.2						
24	1.83	3.46	6.43	9.09	11.5	13.8	15.8						
25	1.90	3.61	6.69	9.45	12.0	14.3							
30	2.27	4.31	7.96	11.2	14.2								
35	2.64	4.99	9.29	13.0	16.4								
40	3.00	5.65	10.4	14.6									
45	3.35	6.31	11.6	16.2									
50	3.70	6.95	12.7										
55	4.05	7.58	13.8										
60	4.39	8.20	15.0										

Use Standard ANSI Roller Chain

High strength chain

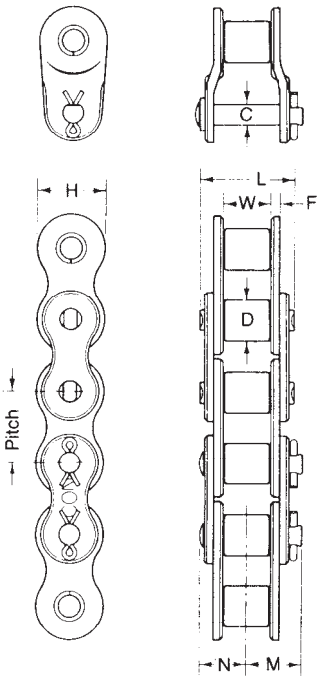
Morse® High strength Roller Chains are designed to meet the instantaneous peak loading requirements of applications such as rugged construction equipment. The design features through hardened pins and is available in HEAVY SERIES USING HEAVY SIDE PLATES.

Only the finest high quality steels are selected, then through-hardened with a special temper draw process to give optimum strength. Manufacturing features which are characteristic of all Morse Chains are employed ... carbon restoration, shot peening, ballizing ... all the processes required to insure unparalleled fatigue resistant chains.

Most applications are capably handled with Morse standard (carburized pins) chains which have high fatigue strength and premium roller impact and wear life. For applications where heavy shock loads or impacts are encountered, use the Morse High Strength series chains made with through-hardened alloy steel pins.

While through-hardened pins have somewhat reduced wear properties when compared to Morse standard carburized pins, careful control of the heat treating process holds this wear resistant loss to a minimum.

Morse High Strength Chains are made to A.N.S.I. dimensional specifications, and will operate on standard chain sprockets.



Catalog No.	Dimensions (Inches)										
	Pitch	W-Roller Width	D-Roller Dia.	C-Pin Dia.	F-Plate Thickness	L-Width Over Pins	H-Inside Plate Height	N	M	Average Tensile Strength	Weight Per Foot
8-60-H	3/4	1/2	.468	.234	.125	1.115	.700	.558	.627	10,000	1.22
8-80-H	1	5/8	.625	.312	.156	1.400	.934	.700	.804	21,000	2.03
8-100-H	1 1/4	3/4	.750	.375	.187	1.684	1.166	.842	.986	30,000	3.00
8-120-H	1 1/2	1	.875	.437	.219	2.090	1.400	1.045	1.214	42,000	4.30
8-140-H	1 3/4	1	1.000	.500	.250	2.241	1.634	1.121	1.276	56,000	5.50
8-160-H	2	1 1/4	1.125	.562	.281	2.646	1.866	1.323	1.513	70,000	7.20
8-200-H	2 1/2	1 1/2	1.562	.781	.375	3.374	2.334	1.687	1.904	110,000	12.30

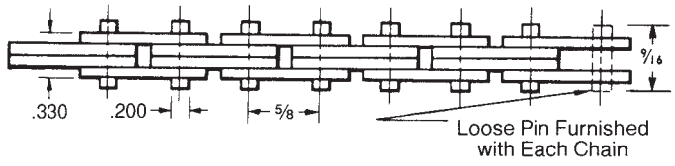
Available in Riveted and cottered construction. Please specify desired construction when ordering.

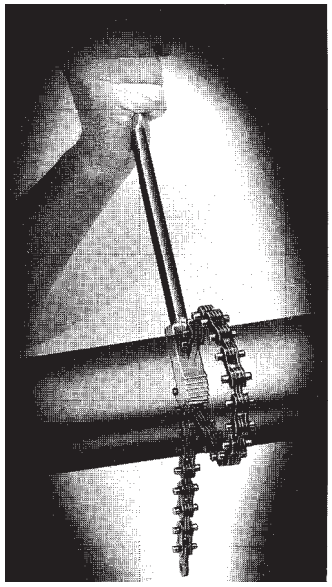
Wrench chain

Morse® Wrench Chain is made with the same precision that goes into Morse Roller and Leaf Chains, therefore Morse Wrench Chain will give the same high precision tolerances and high physical standards associated with other Morse chains.

The two center plates have a slip fit, to assure smooth articulation, while the outside plates have an interference fit. The high strength extended pins are to engage the clevis member, or jaw, of the wrench chain tool.

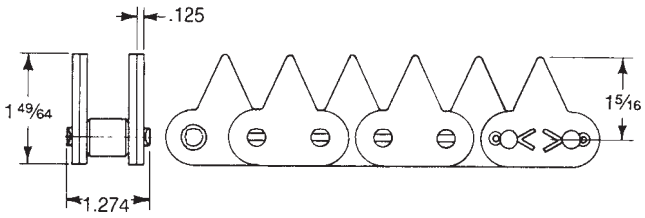
Morse wrench chain
No. WC-522
A.N.S.I. roller chain
pin link plates and pins
average ultimate strength:
7,400 lbs





Sticker chain

#80 sticker chain is made of the same high quality chain parts as regular chain. Chain is used extensively as a "gathering" chain in sugar cane harvesters. It has found wide acceptance in the lumber industry as a "tree debarker" when used in multiple strand widths.

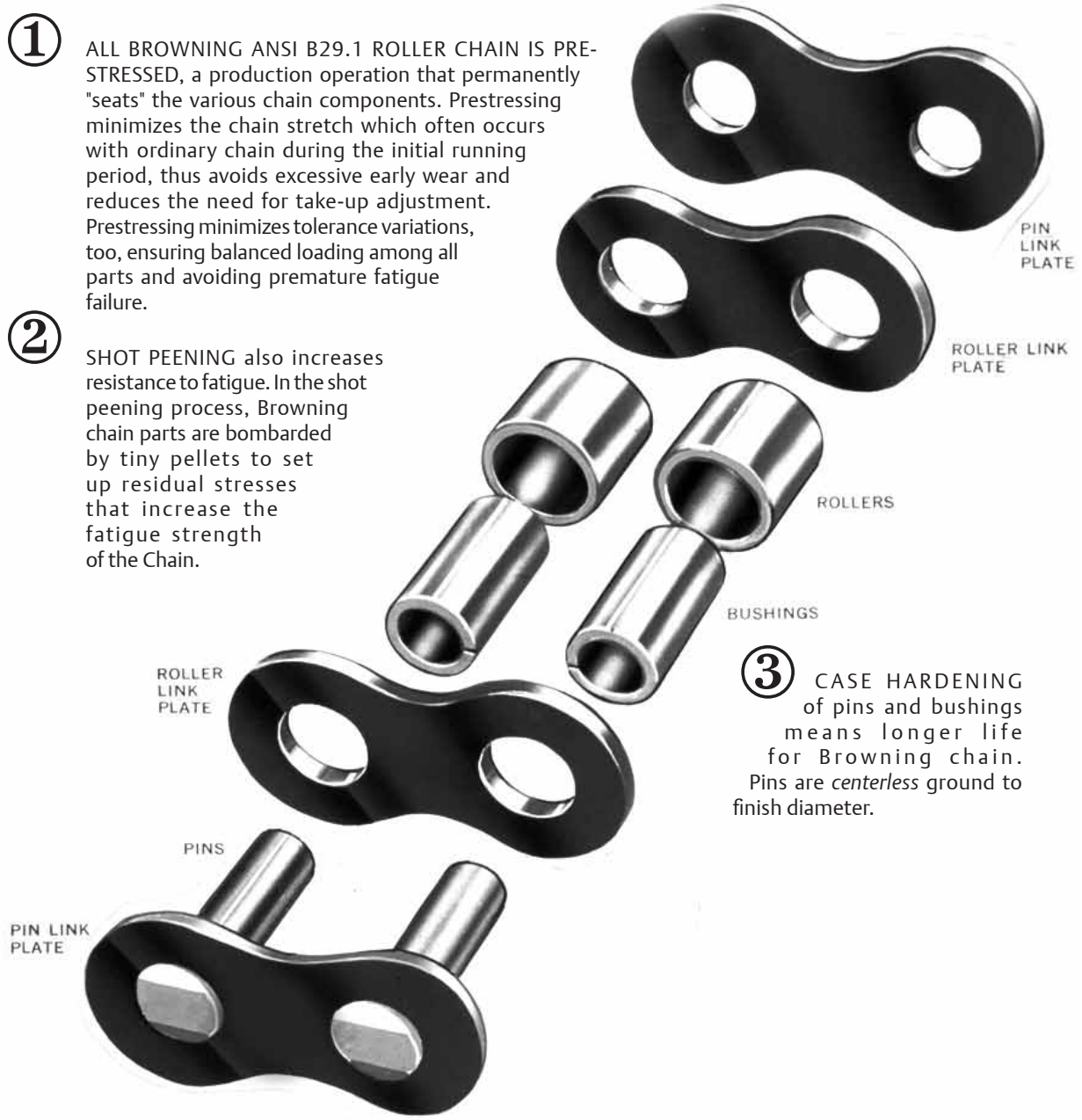


Chains on this page should not be used for Hoisting applications. Consult Technical Services for Hoist application recommendations.

The many quality control features in Browning ANSI B29.1 roller chain are your best insurance against excessive drive costs and high maintenance. Browning® chain is manufactured to rigid specifications, using some of the industry's most modern equipment and methods. Insist on Browning dependability when you buy roller chain... it will save you both time and money.

① ALL BROWNING ANSI B29.1 ROLLER CHAIN IS PRE-STRESSED, a production operation that permanently "seats" the various chain components. Prestressing minimizes the chain stretch which often occurs with ordinary chain during the initial running period, thus avoids excessive early wear and reduces the need for take-up adjustment. Prestressing minimizes tolerance variations, too, ensuring balanced loading among all parts and avoiding premature fatigue failure.

② SHOT PEENING also increases resistance to fatigue. In the shot peening process, Browning chain parts are bombarded by tiny pellets to set up residual stresses that increase the fatigue strength of the Chain.



③ CASE HARDENING of pins and bushings means longer life for Browning chain. Pins are *centerless* ground to finish diameter.

Table No.1

Stock Single and Multiple Strand Chain and Parts

CHAIN				PARTS ●		
Part Number	Pitch	Feet per Package ▲	Wt-Lbs. per Package	Spring Clip Connecting Links	Cotter Pin Connecting Links	Offset Links
SINGLE STRAND ROLLER CHAIN						
J35 RIV 10 FT CH	3/8"	10(2)	2.3	J35 S/C C/L (25)	—	J35 O/S C/L (25)
J35 RIV 250 FT CH	3/8	250(50)	57.5	J35 S/C C/L (25)	—	J35 O/S C/L (25)
J41 RIV 10 FT CH	1/2	10(2)	2.8	J41 S/C C/L (25)	—	J41 O/S C/L (25
J41 RIV 250 FT CH	1/2	250(50)	70.0	J41 S/C C/L (25)	—	J41 O/S C/L (26
J40 RIV 10 FT CH	1/2	10(2)	4.1	J40 S/C C/L (25)	—	J40 O/S C/L (25)
J40 RIV 200 FT CH	1/2	200(40)	82.0	J40 S/C C/L (25)	—	J40 O/S C/L (25)
J50 RIV 10 FT CH	5/8	10(2)	6.9	J50 S/C C/L (25)	—	J50 O/S C/L (25)
J50 RIV 100 FT CH	5/8	100(20)	69.0	J50 S/C C/L (25)	—	J50 O/S C/L (25)
J60 RIV 10 FT CH	3/4	10(2)	10.4	J60 S/C C/L (25)	J60 C/P C/L (25)	J60 O/S C/L (25)
J60 RIV 100 FT CH	3/4	100(20)	104.0	J60 S/C C/L (25)	J60 C/P C/L (25)	J60 O/S C/L (25)
J80 RIV 10 FT CH	1	10(1)	17.7	—	J80 C/P C/L (10)	J80 O/S C/L (10)
J80 RIV 50 FT CH	1	50(5)	88.5	—	J80 C/P C/L (10)	J80 O/S C/L (10)
J80 CP 10 FT CH	1	10(1)	17.7	—	J80 C/P C/L (10)	J80 O/S C/L (10)
J100 RIV 10 FT CH	1 1/4	10(1)	25.9	—	J100 C/P C/L (10)	J100 O/S C/L (10)
J100 RIV 50 FT CH	1 1/4	50(5)	129.5	—	J100 C/P C/L (10)	J100 O/S C/L (10)
J100 CP 10 FT CH	1 1/4	10(1)	25.9	—	J100 C/P C/L (10)	J100 O/S C/L (10)
J120 RIV 10 FT CH	1 1/2	10(1)	40.5	—	J120 C/P C/L (5)	J120 O/S C/L (5)
J120 RIV 50 FT CH	1 1/2	50(5)	202.5	—	J120 C/P C/L (5)	J120 O/S C/L (5)
J120 CP 10 FT CH	1 1/2	10(1)	40.5	—	J120 C/P C/L (5)	J120 O/S C/L (5)
J140 RIV 10/2 FT CH	1 3/4	10.2(1)	52.1	—	J140 C/P C/L (5)	J140 O/S C/L (5)
J140 CP 10/2 FT CH	1 3/4	10.2(1)	52.1	—	J140 C/P C/L (5)	J140 O/S C/L (5)
J160 RIV 10 FT CH	2	10(1)	68.5	—	J160 C/P C/L (2)	J160 O/S C/L (2)
J160 CP 10 FT CH	2	10(1)	68.5	—	J160 C/P C/L (2)	J160 O/S C/L (2)
				—		
				—		
DOUBLE STRAND ROLLER CHAIN						
J35-2 RIV 10 FT CH	3/8	10(2)	4.6	J35-2 S/C C/L (25)	—	J35-2 O/S C/L (25)
J40-2 RIV 10 FT CH	1/2	10(2)	8.2	J40-2 S/C C/L (25)	—	J40-2 O/S C/L (25)
J50-2 RIV 10 FT CH	5/8	10(2)	13.8	J50-2 S/C C/L (25)	—	J50-2 O/S C/L (25)
J60-2 RIV 10 FT CH	3/4	10(2)	20.8	J60-2 S/C C/L (25)	J60-2 C/P C/L (25)	J60-2 O/S C/L (25)
J60-2 CP 10 FT CH	3/4	10(2)	20.8	J60-2 S/C C/L (25)	J60-2 C/P C/L (25)	J60-2 O/S C/L (25)
J80-2 RIV 10 FT CH	1	10(1)	35.4	—	J80-2 C/P C/L (10)	J80-2 O/S C/L (10)
J80-2 CP 10 FT CH	1	10(1)	35.4	—	J80-2 C/P C/L (10)	J80-2 O/S C/L (10)
J100-2 RIV 10 FT CH	1 1/4	10(1)	51.8	—	J100-2 C/P C/L (5)	J100-2 O/S C/L (5)
J100-2 CP 10 FT CH	1 1/4	10(1)	51.8	—	J100-2 C/P C/L (5)	J100-2 O/S C/L (5)
J120-2 RIV 10 FT CH	1 1/2	10(1)	81.0	—	J120-2 C/P C/L (2)	J120-2 O/S C/L (2)
J120-2 CP 10 FT CH	1 1/2	10(1)	81.0	—	J120-2 C/P C/L (2)	J120-2 O/S C/L (2)
J140-2 CP 10/2 FT CH	1 3/4	10.2(1)	104.1	—	J140-2 C/P C/L (2)	J140-2 O/S C/L (2)
J160-2 CP 10 FT CH	2	10(1)	137.0	—	J160-2 C/P C/L (1)	J160-2 O/S C/L (1)
TRIPLE STRAND ROLLER CHAIN						
J35-3 RIV 10 FT CH	3/8	10(2)	6.9	J35-3 S/C C/L (25)	—	J35-3 O/S C/L (25)
J40-3 RIV 10 FT CH	1/2	10(2)	12.3	J40-3 S/C C/L (25)	—	J40-3 O/S C/L (25)
J50-3 RIV 10 FT CH	5/8	10(2)	20.7	J50-3 S/C C/L (25)	—	J50-3 O/S C/L (25)
J60-3 RIV 10 FT CH	3/4	10(2)	31.2	J60-3 S/C C/L (25)	J60-3 C/P C/L (15)	J60-3 O/S C/L (15)
J60-3 CP 10 FT CH	3/4	10(2)	31.2	J60-3 S/C C/L (25)	J60-3 C/P C/L (15)	J60-3 O/S C/L (15)
J80-3 RIV 10 FT CH	1	10(1)	53.1	—	J80-3 C/P C/L (10)	J80-3 O/S C/L (5)
J80-3 CP 10 FT CH	1	10(1)	53.1	—	J80-3 C/P C/L (10)	J80-3 O/S C/L (5)
				—		
				—		
				—		
				—		
				—		

▲ Number of Connecting Links in a Standard Package of Chain is shown in parenthesis.

● Number of Parts per Standard Package shown in Parenthesis.

1. Prestressed to firmly seat chain parts, evenly distribute the working load, establish accurate length and reduce elongation during initial break-in.
2. Meets or exceeds A.N.S.I. horsepower rating requirements. Ratings shown on Pages G58 to G62 apply.

Single Strand—Riveted

Single Strand—Cottered

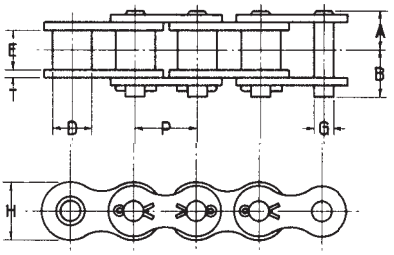
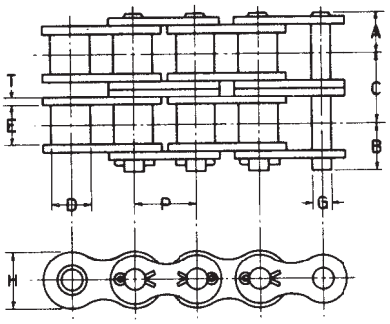
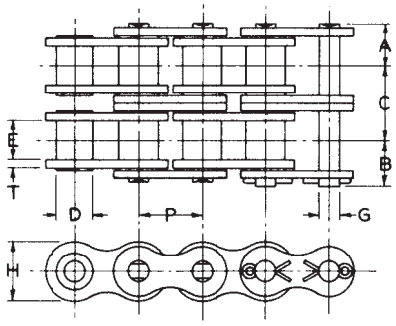


Table No.1

Specifications - Single Strand Roller Chain

Chain Pitch P	Chain No.	Chain		Dimensions						
		Average Tensile Strength Lbs.	Average Weight per Ft. Lbs.	Connecting Links		Rollers		Pins	Side Plates	
				A	B	D	E	G	H	T
Standard										
1/4"	**25**	875	.09	.156"	.188"	.130"	1/8"	.0905"	.234"	.030"
3/8	**35**	2,100	.21	.233	.267	.200	3/16	.141	.350	.050
1/2	**41**	2,000	.25	.256	.322	.306	1/4	.141	.383	.050
1/2	**40**	3,700	.42	.315	.380	.312	5/16	.156	.466	.060
5/8	**50**	6,100	.69	.395	.460	.400	3/8	.200	.584	.080
3/4	**60**	8,500	1.00	.495	.586	.468	1/2	.234	.700	.094
1	**80**	14,500	1.71	.637	.741	.625	5/8	.312	.934	.125
1 1/4	**100**	24,000	2.58	.778	.923	.750	3/4	.375	1.166	.156
1 1/2	**120**	34,000	3.87	.980	1.150	.875	1	.437	1.400	.187
1 3/4	**140**	46,000	4.95	1.059	1.215	1.000	1	.500	1.634	.219
2	**160**	58,000	6.61	1.261	1.451	1.125	1 1/4	.562	1.866	.250
2 1/2	**200**	95,000	10.96	1.560	1.777	1.562	1 1/2	.781	2.250	.312





Double Strand—Riveted

Double Strand—Cottered

Table No.1

Specifications - Double Strand Roller Chain

Chain Pitch P	Chain No.	Chain		Dimensions							
		Average Tensile Strength Lbs.	Average Weight per Ft. Lbs.	Connecting Links		Spacing	Rollers		Pins	Side Plates	
				A	B	C	D	E	G	H	T
STANDARD											
3/8"	**35-2**	4,200	.40	.233"	.267"	.400"	.200"	3/16"	.141"	.350"	.050"
1/2	**40-2**	7,400	.82	.315	.380	.564	.312	5/16	.156	.466	.060
5/8	**50-2**	12,200	1.36	.395	.460	.730	.400	3/8	.200	.584	.080
3/4	**60-2**	17,000	1.99	.495	.586	.904	.468	1/2	.234	.700	.094
1	**80-2**	29,000	3.40	.637	.741	1.158	.625	5/8	.312	.934	.125
1 1/4	**100-2**	48,000	5.10	.778	.923	1.406	.750	3/4	.375	1.166	.156
1 1/2	**120-2**	68,000	7.65	.980	1.150	1.791	.875	1	.437	1.400	.187
1 3/4	**140-2**	92,000	9.80	1.059	1.215	1.933	1.000	1	.500	1.634	.219
2	**160-2**	116,000	13.10	1.261	1.451	2.327	1.125	1 1/4	.562	1.866	.250
2 1/2	**200-2**	190,000	21.50	1.560	1.777	2.912	1.562	1 1/2	.781	2.250	.312
3	**240-2**	260,000	33.20	1.895	2.187	3.458	1.875	1 7/8	.937	2.800	.375
LL											
1/2"	**40-2 LL**	6,800	.82	.312"	.362"	.566"	.312"	5/16"	.156"	.475"	.060"
5/8	**50-2 LL**	11,000	1.38	.389	.435	.713	.400	3/8	.200	.594	.080
3/4	**60-2 LL**	15,000	2.08	.485	.605	.897	.468	1/2	.234	.713	.094
1	**80-2 LL**	26,000	3.54	.621	.774	1.153	.625	5/8	.312	.950	.125

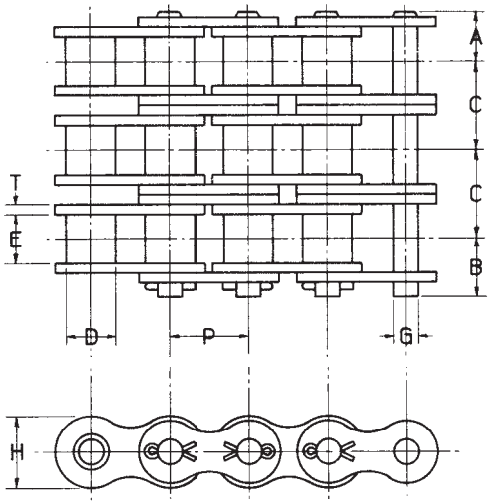


Table No.1

Specifications - Triple Strand Roller Chain

Chain Pitch P	Chain No.	Chain		Dimensions							
		Average Tensile Strength Lbs.	Average Weight per Ft. Lbs.	Connecting Links		Spacing	Rollers		Pins	Side Plates	
				A	B	C	D	E	G	H	T
TRIPLE STRAND - STANDARD											
3/8"	**35-3**	6,300	.66	.233"	.267"	.400"	.200"	3/16"	.141"	.350"	.050"
1/2	**40-3**	11,100	1.23	.315	.380	.564	.312	5/16	.156	.466	.060
5/8	**50-3**	18,300	2.02	.395	.460	.730	.400	3/8	.200	.584	.080
3/4	**60-3**	25,500	2.96	.495	.586	.904	.468	1/2	.234	.700	.094
1	**80-3**	43,500	5.09	.637	.741	1.158	.625	5/8	.312	.934	.125

DESIGN and INSTALLATION

Roller Chain Drives are intended for power transmissions between two or more parallel shafts on short or medium centers with relatively slow speed driving units. Horsepower Ratings shown on pages G-58 to G-62 are those recommended and copyrighted in 1960 by the Association of Roller and Silent Chain Manufacturers. Using a chain length of approximately 100 pitches, with recommended lubrication, on properly aligned sprockets, approximately 15,000 hours of service life at full load operation may be expected. The capacity of a chain drive is determined by the speed of the smaller sprocket, the number of teeth in the smaller sprocket and the chain size.

The horsepower ratings in these tables are based upon normal lubricated operation of drive and will, in most cases, serve as a guide for determining the chain size and minimum number of teeth required for the driving sprocket. From known ratio or speeds a selection of proper drive can be made from Horsepower Tables Pages G-58 to G-62.

Chain size can be selected for drives with slower speeds than shown in the rating tables on pages G-58 to G-62 by using a maximum chain pull of 10% of the average tensile strength of the chain.

$$\text{Chain Pull (Working Load)} = \frac{\text{HP} \times 33{,}000}{\text{F.P.M.}} \quad \text{or}$$

$$\frac{\text{Torque in Inch-Pounds}}{\text{Pitch Radius of Sprocket}}$$

For Example, assuming that 7000 Inch-Pounds of Torque is required and a Sprocket with approximately 6.0" Pitch Diameter is to be used:

$$\frac{7000}{3} = 2333 \times 10$$

= chain tensile strength required.

From Page G-14, note that No. 100 chain with a tensile strength of 24,000 lbs. is adequate.

WARNING—Browning® Roller Chain must not be used for hoisting applications.

GUIDELINES TO PROPER CHAIN DRIVE DESIGN

These guidelines are intended to assist in proper designing and installation of chain drives. They are not hard fast rules but good rules to follow.

1— Overload Service Factors, Shown on Page G-20 should be applied.

2— Select small sprockets of 17 teeth or more for moderate speed drives, and 21 teeth or more high speed drives. Sprockets with fewer teeth may be used for very slow speed drives. Speed ratio should not exceed 7 to 1 in a single drive. Use two reductions for unusually high ratios.

3— Select drives to operate at speeds somewhat below the recommended maximum for increased smoothness and quiet operation, using small sprockets with 17 to 24 or more teeth.

4— For drives requiring a greater amount of horsepower than can be transmitted by the largest recommended size chain, select two, three or more strands of multiple chain of appropriate size.

5— For high speed drives select the smallest pitch chain practicable.

6— For very slow speeds, be sure drive is smoothly loaded and well lubricated.

7— The top span of chain on a horizontal shaft drive should be the tight side.

8— For the average application use 30 to 50 pitches of chain as the Center Distance, with a maximum of 80 pitches. Shorter centers, as low as 20 pitches, may be used for pulsating loads. Do not use long centers with small sprockets and pulsating loads.

9— Chain wrap should be at least 120° of the small sprocket, or 1/3 of the teeth. For ratios over 3 to 1 the center distance must be not less than the difference between the pitch diameters of the two sprockets.

10— Chain length must be in integral number of pitches. If possible use an even number of links and avoid use of offset links.

11— Provide adequate adjustment for mounting of chain and subsequent take-up. Be sure shafts are parallel, sprockets are in proper alignment and that chain spans are not touching.

12— Where idler sprockets are used, at least 3 teeth of the idler should engage the chain. When the idler is placed outside the closed span it should be placed nearer the small sprocket, and when inside the closed span it should be placed nearer the large sprocket.

13— Provide wire mesh or sheet metal guards for protection of both drive and personnel.

14— Proper Lubrication will reduce the noise of a chain drive and is necessary to obtain the expected chain life. In general lubrication, as applied to chain drives, may be grouped into three classes:

a. Manual or Drip Lubrication.
b. Bath or Disc Lubrication.
c. Oil Stream Lubrication.

Recommended lubrication is given in conjunction with the horsepower ratings on pages G-58 to G-62.

15— A smooth operating chain drive should have a slight sag in the chain. New chains should be installed under slight tension as they will elongate a small amount due to seating of pins and bushing during the first few days of operation. Chains on drives having near vertical centers should be kept reasonably tight.

DESIGN and INSTALLATION

16— Roller chain should be kept in good condition by proper lubrication and occasional cleaning. Worn out chain should be replaced by a complete new chain rather than by replacing a few worn parts. Worn sprockets should be replaced when new chain is installed as deformed teeth will damage the chain.

17— Wherever possible select drives using stock sprockets. If the larger sprocket required for a given ratio is not a stock size, try changing the size of the small sprocket to obtain a satisfactory ratio with a stock larger sprocket. Use hardened sprockets for longer drive life.

18— Necessary data for drive selection:

a. Horsepower, Speed, and Type of Drive.
b. Type and Speed of Driven Unit.
c. Operating Conditions and Peak Load.
d. Shaft Diameters and Keyseats.
e. Desired Center Distance and Allowable Variations.
f. Space Limitations if any.

19— Chain Length in pitches may be calculated from the following formula:

Where C = Center Distance in inches
L = Chain Length in number of pitches (Links).
N = Number of Teeth in Large Sprocket.
n = Number of Teeth in Small Sprocket.
P = Chain Pitch.

Formula No. 1 (Approximate Chain Length)

$$L = \frac{N + n}{2} + \frac{2C}{P}$$

This approximate Chain Length is usually close enough as most chain is furnished in 10 ft. packages, but if more accurate length is required solve Formula No. 2.

Formula No. 2 (Approximate Chain Length)

$$L = \frac{2C}{P} + \frac{N + n}{2} + \frac{.1013\,(N - n)^2}{4C}$$

CAUTION— Install guards according to applicable local and national codes.

EXAMPLE — CHAIN DRIVE SELECTION

A. Determine the Design Horsepower Rating of the Drive.
From Page G-57 note that 1.3 is the Service Factor for a Pan Conveyor driven by an electric Motor.
1.3 x 15 = 19.5 Design Horsepower.

B. Determine the Chain Size and Number of Teeth in the Small Sprocket.
From Table No. 1, Page G-60 note that No. 100 Chain on a 19 tooth sprocket at 200 RPM is rated at 21.7 HP.

C. Determine the Speed Ratio by Dividing the Driver Speed by the Desired Driven Speed.

$$\frac{200}{105} = 1.90 \text{ Ratio}$$

D. Determine the Number of Teeth for the Large Sprocket.
Multiply the Number of Teeth in the Small Sprocket by the Ratio.
19 x 1.9 = 36.1 Teeth. Use 36 Teeth.

E. Determine Approximate Chain Length required
See Approximate Chain Length Formula above. N + n

$$L = \frac{N + n}{2} + \frac{2C}{P}$$

$$L = \frac{36 + 19}{2} + \frac{2 \times 38}{1.25}$$

= 88.3 Pitches
88.3 (Pitches) X 1.25 (Pitch) = 110.38 inches

$$\frac{110.38}{12} = 9.19 \text{ Feet of Chain}$$

Note—If exact length of chain is required refer to Formula No. 2.

F. List Drive Components. (H-8)
1, **H100Q19** Driver Sprocket
1, **Q1 X 2** 1/8 Bushing
1, **100R36** Driven Sprocket
1, **R1 X 2** 15/16 Bushing
10 Feet, No. **100 CP** Chain
(Approximately 9.19 feet is required—standard package is 10 Feet).

Note—From the Stock Sprocket Listing and Interchange for No. 100 Sprockets on Page H-8 the following are available.
Driver Sprockets:
H100Q19, H100E19, H100TB19, 100A19 and 100B19
Driven Sprockets:
100R36, 100E36, 100A36 and 100B36

The H100Q19 was selected because it is shaft ready (no reworking necessary) using the Browning Split Taper bushing and has hardened teeth for longer life. The 100A19 and the 100B19 would have to be reworked and do not have hardened Teeth.

The 100R36 was selected because it is shaft ready.

OVERLOAD SERVICE FACTORS

The proper selection of a chain drive should include consideration of all the maximum conditions under which the drive will operate. The following information is a guide to determining the proper service factor for various operating conditions.

There are three classifications of operating conditions ond three classifications of power source. The following table combines these classifications to arrive at the proper service factor.

Table No. 1 **Service Factors**

Type of Load	Type of Power Source		
	Internal Combustion Engine Hydraulic Drive	Electric Motor or Turbine	Internal Combustion Engine Mechanical Drive
Smooth	1.0	1.0	1.2
Moderate Shock	1.2	1.3	1.4
Heavy Shock	1.4	1.5	1.7

The following table gives the type of load classification for various applications. If a drive is required for an application which is not listed, choose the classification of the application closest in characteristics to the one desired.

Table No. 2 **Load Classifications for Common Applications**

Driven Equipment	Internal Combustion Engine Hydraulic Drive	Electric Motor or Turbine	Internal Combustion Engine Mechanical Drive
Agitators - Liquid	1.0	1.0	1.2
Clay Working Machinery- Pug Mills	1.2	1.3	1.4
- Brick Press	1.4	1.5	1.7
Conveyors - Uniformly Loaded (Apron, Bucket, Belt, Pan)	1.0	1.0	1.2
- Not Uniformly loaded (Apron, Bucket, Belt, Pan)	1.2	1.3	1.4
- Reciprocating	1.4	1.5	1.7
Cranes and Hoists - Medium Duty	1.2	1.3	1.4
- Heavy Duty	1.4	1.5	1.7
Fans and Blowers - Centrifugal	1.0	1.0	1.2
- Mine Fans, Positive Blowers	1.4	1.5	1.7
Food Machinery - Slicers, Mixers, Grinders	1.2	1.3	1.4
Laundry Machinery - Washers, Tumblers	1.2	1.3	1.4
Line Shafts - Light Duty	1.0	1.0	1.2
- Heavy Duty	1.4	1.5	1.7
Machinery - Uniform Load Non-Reversing	1.0	1.0	1.2
- Moderate Pulsating Load Non-Reversing	1.2	1.3	1.4
- Shock and / or Variable Load - Reversing	1.4	1.5	1.7
Mills - Ball, Pebble, Tube	1.2	1.3	1.4
- Hammer, Rolling	1.4	1.5	1.7
Paper Machinery - Mixers, Calendars, etc.	1.4	1.5	1.7
Screens - Rotary	1.2	1.3	1.4
Textile Machinery - Calendars, Nappers, Soapers	1.2	1.3	1.4
- Carding	1.4	1.5	1.7

HORSEPOWER RATINGS - ANSI ROLLER CHAIN

Table No.1

Chain Size	Pitch	Number of Teeth In Sprocket	Revolution Per Minute of Small Sprocket																			
			10	25	50	100	300	500	700	900	1200	1500	1800	2100	3000	3500	5000	6000	7000	8000	9000	10000
		9	—	—	.02	.04	.12	.18	.25	.31	.41	.50	.58	.67	.93	1.06	.73	.56	.44	.36	.30	.26
		10	—	—	.03	.05	.13	.21	.28	.35	.45	.56	.65	.75	1.04	1.19	.86	.65	.52	.42	.35	.30
		11	—	—	.03	.05	.14	.23	.31	.39	.50	.62	.73	.83	1.15	1.32	.99	.75	.60	.49	.41	.35
		12	—	—	.03	.06	.16	.25	.34	.43	.55	.68	.80	.92	1.26	1.45	1.12	.86	.68	.56	.47	.40
		13	—	—	.04	.06	.17	.27	.37	.47	.60	.74	.87	1.00	1.38	1.58	1.27	.96	.77	.63	.53	.45
		14	—	—	.04	.07	.19	.30	.40	.50	.65	.80	.94	1.08	1.49	1.71	1.42	1.08	.86	.70	.59	.50
		15	—	—	.04	.08	.20	.32	.43	.54	.70	.86	1.01	1.17	1.61	1.85	1.57	1.20	.95	.78	.65	.56
		16	—	—	.04	.08	.22	.34	.47	.58	.76	.92	1.09	1.25	1.72	1.98	1.73	1.32	1.05	.86	.72	.61
		17	—	—	.05	.09	.23	.37	.50	.62	.81	.99	1.16	1.33	1.84	2.11	1.90	1.44	1.14	.94	.79	.67
		18	—	—	.05	.09	.25	.39	.53	.66	.86	1.05	1.24	1.42	1.96	2.25	2.07	1.57	1.25	1.02	.86	.73
		19	—	—	.05	.10	.26	.41	.56	.70	.91	1.11	1.31	1.50	2.07	2.38	2.24	1.70	1.35	1.11	.93	.79
#25	1/4"	20	—	—	.06	.10	.28	.44	.59	.74	.96	1.17	1.38	1.59	2.19	2.52	2.42	1.84	1.46	1.20	1.00	.86
		21	—	—	.06	.11	.29	.46	.62	.78	1.01	1.24	1.46	1.68	2.31	2.66	2.60	1.98	1.57	1.29	1.08	.92
		22	—	—	.06	.11	.31	.48	.66	.82	1.07	1.30	1.53	1.76	2.43	2.79	2.79	2.12	1.69	1.38	1.16	.99
		23	—	—	.06	.12	.32	.51	.69	.86	1.12	1.37	1.61	1.85	2.55	2.93	2.98	2.27	1.80	1.47	1.24	1.06
		24	—	—	.07	.13	.34	.53	.72	.90	1.17	1.43	1.69	1.94	2.67	3.07	3.18	2.42	1.92	1.57	1.32	1.12
		25	—	—	.07	.13	.35	.56	.75	.94	1.22	1.50	1.76	2.02	2.79	3.21	3.38	2.57	2.04	1.67	1.40	1.20
		26	—	—	.07	.14	.37	.58	.79	.98	1.28	1.56	1.84	2.11	2.91	3.34	3.59	2.73	2.17	1.77	1.49	1.27
		28	—	—	.08	.15	.40	.63	.85	1.07	1.38	1.69	1.99	2.29	3.15	3.62	4.01	3.05	2.42	1.98	1.66	1.42
		30	—	—	.08	.16	.43	.68	.92	1.15	1.49	1.82	2.15	2.46	3.40	3.90	4.45	3.38	2.68	2.20	1.84	1.57
		32	—	—	.09	.17	.46	.73	.98	1.23	1.60	1.95	2.30	2.64	3.64	4.18	4.90	3.73	2.96	2.42	2.03	1.73
		35	—	—	.10	.19	.51	.80	1.08	1.36	1.76	2.15	2.53	2.91	4.01	4.61	5.60	4.26	3.38	2.77	2.32	1.98
		40	—	—	.12	.22	.58	.92	1.25	1.57	2.03	2.48	2.93	3.36	4.64	5.32	6.85	5.21	4.13	3.38	2.83	2.42
		45	—	—	.13	.25	.66	1.05	1.42	1.78	2.31	2.82	3.32	3.82	5.26	6.05	8.17	6.21	4.93	4.04	3.38	2.89
Lubrication			**Type "A"**						**Type "B"**								**Type "C"**					
		9	—	—	.08	.15	.39	.62	.84	1.06	1.37	1.68	1.98	2.27	2.17	1.73	1.01	.77	.61	.50	.42	.35
		10	—	—	.09	.16	.44	.70	.95	1.19	1.54	1.88	2.21	2.54	2.55	2.03	1.18	.90	.71	.58	.49	.42
		11	—	—	.10	.18	.49	.77	1.05	1.31	1.70	2.08	2.45	2.82	2.94	2.33	1.37	1.04	.82	.67	.57	.48
		12	—	—	.11	.20	.54	.85	1.15	1.44	1.87	2.29	2.70	3.10	3.35	2.66	1.56	1.18	.94	.77	.64	.55
		13	—	—	.12	.22	.59	.93	1.26	1.57	2.04	2.49	2.94	3.38	3.77	3.00	1.75	1.33	1.06	.87	.73	.62
		14	—	—	.13	.24	.63	1.01	1.36	1.71	2.21	2.70	3.18	3.66	4.22	3.35	1.96	1.49	1.18	.97	.81	.69
		15	—	—	.14	.25	.68	1.08	1.47	1.84	2.38	2.91	3.43	3.94	4.68	3.71	2.17	1.65	1.31	1.07	.90	.77
		16	—	—	.15	.27	.73	1.16	1.57	1.97	2.55	3.12	3.68	4.22	5.15	4.09	2.40	1.82	1.45	1.18	.99	.85
		17	—	—	.16	.29	.78	1.24	1.68	2.10	2.73	3.33	3.93	4.51	5.64	4.48	2.62	2.00	1.58	1.30	1.09	.93
		18	—	—	.17	.31	.83	1.32	1.78	2.24	2.90	3.54	4.18	4.80	6.15	4.88	2.86	2.17	1.73	1.41	1.18	1.01
		19	—	—	.18	.33	.88	1.40	1.89	2.37	3.07	3.76	4.43	5.09	6.67	5.29	3.10	2.36	1.87	1.53	1.28	1.10
#35	3/8"	20	—	—	.19	.35	.93	1.48	2.00	2.51	3.25	3.97	4.68	5.38	7.20	5.72	3.35	2.55	2.02	1.65	1.39	1.18
		21	—	—	.20	.37	.98	1.56	2.11	2.64	3.42	4.19	4.93	5.67	7.75	6.15	3.60	2.74	2.17	1.78	1.49	1.27
		22	—	—	.21	.38	1.03	1.64	2.22	2.78	3.60	4.40	5.19	5.96	8.21	6.59	3.86	2.94	2.33	1.91	1.60	1.37
		23	—	—	.22	.40	1.08	1.72	2.33	2.92	3.78	4.62	5.44	6.25	8.62	7.05	4.13	3.14	2.49	2.04	1.71	1.46
		24	—	—	.23	.42	1.14	1.80	2.44	3.05	3.96	4.84	5.70	6.55	9.02	7.51	4.40	3.35	2.66	2.17	1.82	1.56
		25	—	—	.24	.44	1.19	1.88	2.55	3.19	4.13	5.05	5.95	6.84	9.43	7.99	4.68	3.56	2.82	2.31	1.94	1.65
		26	—	—	.25	.46	1.24	1.96	2.66	3.33	4.31	5.27	6.21	7.14	9.84	8.47	4.96	3.77	3.00	2.45	2.05	1.75
		28	—	—	.27	.50	1.34	2.12	2.88	3.61	4.67	5.71	6.73	7.73	10.7	9.47	5.55	4.22	3.35	2.74	2.30	1.96
		30	—	—	.29	.54	1.45	2.29	3.10	3.89	5.03	6.15	7.25	8.33	11.5	10.5	6.15	4.68	3.71	3.04	2.55	2.17
		32	—	—	.31	.58	1.55	2.45	3.32	4.17	5.40	6.60	7.77	8.93	12.3	11.6	6.77	5.15	4.09	3.35	2.81	—
		35	—	—	.34	.64	1.71	2.70	3.66	4.59	5.95	7.27	8.56	9.84	13.6	13.2	7.75	5.90	4.68	3.83	3.21	—
		40	—	—	.39	.73	1.97	3.12	4.23	5.30	6.87	8.40	9.89	11.4	15.7	16.2	9.47	7.20	5.72	4.68	—	—
		45	—	—	.45	.83	2.24	3.55	4.80	6.02	7.80	9.53	11.2	12.9	17.8	19.3	11.3	8.59	6.82	—	—	—
Lubrication			**Type "A"**				**Type "B"**							**Type "C"**								
		9	.02	.05	.10	.19	.51	.81	1.10	1.38	1.27	.91	.69	.55	.32	.25	.15	.11	.09	.07	—	
		10	.03	.06	.11	.21	.57	.91	1.23	1.54	1.49	1.07	.81	.64	.38	.30	.17	.13	.11	.08	—	—
		11	.03	.07	.13	.24	.64	1.01	1.37	1.71	1.71	1.23	.93	.74	.43	.34	.20	.15	.12	.10	—	—
		12	.03	.07	.14	.26	.70	1.11	1.50	1.88	1.95	1.41	1.06	.84	.49	.39	.23	.17	.14	.11	—	—
		13	.04	.08	.15	.28	.76	1.21	1.63	2.05	2.20	1.59	1.20	.95	.56	.44	.26	.20	.16	.13	—	—
		14	.04	.09	.16	.31	.83	1.31	1.77	2.22	2.46	1.77	1.34	1.06	.62	.49	.29	.22	.17	.14	—	—
		15	.04	.09	.18	.33	.89	1.41	1.91	2.39	2.73	1.97	1.49	1.18	.69	.55	.32	.24	.19	.16	—	—
		16	.04	.10	.19	.36	.95	1.51	2.05	2.57	3.01	2.17	1.64	1.30	.76	.60	.35	.27	.21	.17	—	—
		17	.05	.11	.20	.38	1.02	1.61	2.18	2.74	3.29	2.37	1.79	1.42	.83	.66	.39	.29	.23	.19	—	—
		18	.05	.12	.22	.40	1.08	1.72	2.32	2.91	3.59	2.59	1.95	1.55	.91	.72	.42	.32	.25	—	—	—
		19	.05	.12	.23	.43	1.15	1.82	2.46	3.09	3.89	2.81	2.12	1.68	.98	.78	.46	.35	.28	—	—	—
#41	1/2"	20	.06	.13	.24	.45	1.21	1.92	2.60	3.26	4.20	3.03	2.29	1.81	1.06	.84	.49	.38	.30	—	—	—
		21	.06	.14	.26	.48	1.28	2.03	2.74	3.44	4.46	3.26	2.46	1.95	1.14	.91	.53	.40	.32	—	—	—
		22	.06	.14	.27	.50	1.35	2.13	2.89	3.62	4.69	3.50	2.64	2.09	1.23	.97	.57	.43	.34	—	—	—
		23	.06	.15	.28	.53	1.41	2.24	3.03	3.80	4.92	3.74	2.82	2.24	1.31	1.04	.61	.46	.37	—	—	—
		24	.07	.16	.29	.55	1.48	2.34	3.17	3.97	5.15	3.98	3.01	2.39	1.40	1.11	.65	.49	.39	—	—	—
		25	.07	.17	.31	.57	1.55	2.45	3.31	4.15	5.38	4.23	3.20	2.54	1.49	1.18	.69	.53	—	—	—	—
		26	.07	.17	.32	.60	1.61	2.55	3.46	4.33	5.61	4.49	3.39	2.69	1.58	1.25	.73	.56	—	—	—	—
		28	.08	.19	.35	.65	1.75	2.77	3.74	4.69	6.08	5.02	3.79	3.01	1.76	1.40	.82	.62	—	—	—	—
		30	.08	.20	.38	.70	1.88	2.98	4.03	5.06	6.55	5.57	4.20	3.33	1.95	1.55	.91	.69	—	—	—	—
		32	.09	.22	.40	.75	2.02	3.20	4.33	5.42	7.03	6.13	4.63	3.67	2.15	1.71	1.00	—	—	—	—	—
		35	.10	.24	.44	.83	2.22	3.52	4.76	5.97	7.74	7.02	5.29	4.20	2.46	1.95	1.14	—	—	—	—	—
		40	.12	.27	.51	.96	2.57	4.07	5.50	6.90	8.94	8.57	6.47	5.13	3.01	2.39	1.40	—	—	—	—	—
		45	.14	.31	.58	1.08	2.92	4.62	6.25	7.84	10.2	10.2	7.72	6.13	3.59	2.85	—	—	—	—	—	—
Lubrication			**Type "A"**				**Type "B"**					**Type "C"**										

See Page G-64 for types of lubrication and factors for other chains.

Chain can be rated higher than ratings shown in this catalog for certain applications. Contact Browning with details of the applications.

HORSEPOWER RATINGS - ANSI ROLLER CHAIN

Table No.1

Chain Size	Pitch	Number of Teeth In Sprocket	Revolution Per Minute of Small Sprocket																			
			10	25	50	100	200	300	400	500	700	900	1000	1200	1400	1600	1800	2100	3000	3500	4000	4500
		9	.04	.10	.19	.35	.65	.93	1.21	1.48	2.00	2.51	2.75	3.25	3.73	4.12	3.45	2.74	1.60	1.27	1.04	.89
		10	.05	.11	.20	.39	.73	1.04	1.35	1.65	2.24	2.81	3.09	3.64	4.18	4.71	4.04	3.21	1.88	1.49	1.22	1.04
		11	.05	.12	.23	.43	.80	1.16	1.50	1.83	2.48	3.11	3.42	4.03	4.63	5.22	4.66	3.70	2.17	1.72	1.41	1.21
		12	.06	.14	.25	.47	.88	1.27	1.65	2.01	2.73	3.42	3.76	4.43	5.09	5.74	5.31	4.22	2.47	1.96	1.60	1.37
		13	.06	.15	.28	.52	.96	1.39	1.80	2.20	2.97	3.73	4.10	4.83	5.55	6.26	5.99	4.76	2.79	2.21	1.81	1.55
		14	.07	.16	.30	.56	1.04	1.50	1.95	2.38	3.22	4.04	4.44	5.23	6.01	6.78	6.70	5.31	3.11	2.47	2.02	1.73
		15	.07	.17	.32	.60	1.12	1.62	2.10	2.56	3.47	4.35	4.78	5.64	6.47	7.30	7.43	5.89	3.45	2.74	2.24	1.92
		16	.08	.19	.35	.65	1.20	1.74	2.25	2.75	3.72	4.66	5.13	6.04	6.94	7.83	8.18	6.49	3.80	3.02	2.47	2.12
		17	.08	.20	.37	.69	1.29	1.85	2.40	2.93	3.97	4.98	5.48	6.45	7.41	8.36	8.96	7.11	4.17	3.31	2.71	2.32
		18	.09	.21	.39	.73	1.37	1.97	2.55	3.12	4.22	5.30	5.82	6.86	7.88	8.89	9.76	7.75	4.54	3.60	2.95	2.53
		19	.09	.22	.42	.78	1.45	2.09	2.71	3.31	4.48	5.62	6.17	7.27	8.36	9.42	10.5	8.40	4.92	3.91	3.20	2.74
#40	1/2"	20	.10	.24	.44	.82	1.53	2.21	2.86	3.50	4.73	5.94	6.53	7.69	8.83	9.96	11.1	9.07	5.31	4.22	3.45	2.96
		21	.11	.25	.46	.87	1.62	2.33	3.02	3.69	4.99	6.26	6.88	8.11	9.31	10.5	11.7	9.76	5.72	4.54	3.71	3.18
		22	.11	.26	.49	.91	1.70	2.45	3.17	3.88	5.25	6.58	7.23	8.52	9.79	11.0	12.3	10.5	6.13	4.87	3.98	3.46
		23	.12	.27	.51	.96	1.78	2.57	3.33	4.07	5.51	6.90	7.59	8.94	10.3	11.6	12.9	11.2	6.55	5.20	4.26	3.65
		24	.13	.29	.54	1.00	1.87	2.69	3.48	4.26	5.76	7.23	7.95	9.36	10.8	12.1	13.5	11.9	6.99	5.54	4.54	3.89
		25	.13	.30	.56	1.05	1.95	2.81	3.64	4.45	6.02	7.55	8.30	9.78	11.2	12.7	14.1	12.7	7.43	5.89	4.82	4.13
		26	.14	.31	.58	1.09	2.04	2.93	3.80	4.64	6.28	7.88	8.66	10.2	11.7	13.2	14.7	13.5	7.88	6.25	5.12	4.39
		28	.15	.34	.63	1.18	2.20	3.18	4.11	5.03	6.81	8.54	9.39	11.1	12.7	14.3	15.9	15.0	8.80	6.99	5.72	4.90
		30	.16	.37	.68	1.27	2.38	3.42	4.43	5.42	7.33	9.20	10.1	11.9	13.7	15.4	17.2	16.7	9.76	7.75	6.34	5.44
		32	.17	.39	.73	1.36	2.55	3.67	4.75	5.81	7.86	9.86	10.8	12.8	14.7	16.5	18.4	18.4	10.8	8.54	6.99	5.99
		35	.19	.43	.81	1.50	2.81	4.04	5.24	6.40	8.66	10.9	11.9	14.1	16.2	18.2	20.3	21.0	12.3	9.76	7.99	6.85
		40	.22	.50	.93	1.74	3.24	4.67	6.05	7.39	10.0	12.5	13.8	16.3	18.7	21.1	23.4	25.7	15.0	11.9	9.76	8.37
		45	.25	.57	1.06	1.97	3.68	5.30	6.87	8.40	11.4	14.2	15.7	18.5	21.2	23.9	26.6	30.5	17.9	14.2	11.7	—
Lubrication			**Type "A"**				**Type "B"**								**Type "C"**							
		9	.09	.19	.36	.67	1.26	1.81	2.35	2.87	3.89	4.88	5.36	6.32	6.02	4.92	4.13	3.27	1.92	1.52	1.25	1.04
		10	.10	.22	.41	.76	1.41	2.03	2.63	3.22	4.36	5.46	6.01	7.08	7.05	5.77	4.83	3.84	2.25	1.78	1.46	1.22
		11	.11	.24	.45	.84	1.56	2.25	2.92	3.57	4.83	6.06	6.66	7.85	8.13	6.65	5.58	4.42	2.59	2.06	1.68	1.41
		12	.12	.26	.49	.92	1.72	2.47	3.21	3.92	5.31	6.65	7.31	8.62	9.26	7.58	6.35	5.04	2.95	2.34	1.92	1.61
		13	.13	.29	.54	1.00	1.87	2.70	3.50	4.27	5.78	7.25	7.97	9.40	10.4	8.55	7.16	5.69	3.33	2.64	2.16	1.81
		14	.14	.31	.58	1.09	2.03	2.92	3.79	4.63	6.27	7.86	8.64	10.2	11.7	9.55	8.01	6.35	3.72	2.95	2.42	2.03
		15	.15	.34	.63	1.17	2.19	3.15	4.08	4.99	6.75	8.47	9.31	11.0	12.6	10.6	8.88	7.05	4.13	3.27	2.68	2.25
		16	.16	.36	.67	1.26	2.34	3.38	4.37	5.35	7.24	9.08	9.98	11.8	13.5	11.7	9.78	7.76	4.55	3.61	2.95	2.47
		17	.17	.39	.72	1.34	2.50	3.61	4.67	5.71	7.73	9.69	10.7	12.6	14.4	12.8	10.7	8.50	4.98	3.95	3.23	2.71
		18	.18	.41	.76	1.43	2.66	3.83	4.97	6.07	8.22	10.3	11.3	13.4	15.3	13.9	11.7	9.26	5.42	4.30	3.52	2.95
		19	.19	.43	.81	1.51	2.82	4.07	5.27	6.44	8.72	10.9	12.0	14.2	16.3	15.1	12.7	10.0	5.88	4.67	3.82	3.20
#50	5/8"	20	.20	.46	.86	1.60	2.98	4.30	5.57	6.80	9.21	11.5	12.7	15.0	17.2	16.3	13.7	10.8	6.35	5.04	4.13	3.46
		21	.21	.48	.90	1.69	3.14	4.53	5.87	7.17	9.71	12.2	13.4	15.8	18.1	17.6	14.7	11.7	6.84	5.42	4.44	3.72
		22	.22	.51	.95	1.77	3.31	4.76	6.17	7.54	10.2	12.8	14.1	16.6	19.1	18.8	15.8	12.5	7.33	5.82	4.76	3.99
		23	.23	.53	1.00	1.86	3.47	5.00	6.47	7.91	10.7	13.4	14.8	17.4	20.0	20.1	16.9	13.4	7.84	6.22	5.09	4.27
		24	.25	.56	1.04	1.95	3.63	5.23	6.78	8.29	11.2	14.1	15.5	18.2	20.9	21.4	18.0	14.3	8.35	6.63	5.42	4.55
		25	.26	.58	1.09	2.03	3.80	5.47	7.08	8.66	11.7	14.7	16.2	19.0	21.9	22.8	19.1	15.2	8.88	7.05	5.77	4.83
		26	.27	.61	1.14	2.12	3.96	5.70	7.39	9.03	12.2	15.3	16.9	19.9	22.8	24.2	20.3	16.1	9.42	7.47	6.12	5.13
		28	.29	.66	1.23	2.30	4.29	6.18	8.01	9.79	13.2	16.6	18.3	21.5	24.7	27.0	22.6	18.0	10.5	8.35	6.84	5.73
		30	.31	.71	1.33	2.48	4.62	6.66	8.63	10.5	14.3	17.9	19.7	23.2	26.6	30.0	25.1	19.9	11.7	9.26	7.58	—
		32	.33	.76	1.42	2.66	4.96	7.14	9.25	11.3	15.3	19.2	21.1	24.9	28.6	32.2	27.7	22.0	12.9	10.2	8.35	—
		35	.37	.84	1.57	2.93	5.46	7.86	10.2	12.5	16.9	21.1	23.2	27.4	31.5	35.5	31.6	25.1	14.7	11.7	9.55	—
		40	.43	.97	1.81	3.38	6.31	9.08	11.8	14.4	19.5	24.4	26.8	31.6	36.3	41.0	38.7	30.7	18.0	14.3	—	—
		45	.48	1.10	2.06	3.84	7.16	10.3	13.4	16.3	22.1	27.7	30.5	35.9	41.3	46.5	46.1	36.6	21.4	—	—	—
Lubrication			**Type "A"**				**Type "B"**					**Type "C"**										
		9	.15	.33	.62	1.16	2.16	3.12	4.04	4.94	6.68	8.38	9.21	8.77	6.96	5.70	4.77	3.84	2.22	1.76	1.44	1.21
		10	.16	.37	.70	1.30	2.43	3.49	4.53	5.53	7.49	9.39	10.3	10.3	8.15	6.67	5.59	4.50	2.60	2.06	1.69	1.41
		11	.18	.41	.77	1.44	2.69	3.87	5.02	6.13	8.30	10.4	11.4	11.9	9.41	7.70	6.45	5.19	3.00	2.38	1.95	1.63
		12	.20	.45	.85	1.58	2.95	4.25	5.51	6.74	9.12	11.4	12.6	13.5	10.7	8.77	7.35	5.92	3.42	2.71	2.22	1.86
		13	.22	.50	.92	1.73	3.22	4.64	6.01	7.34	9.94	12.5	13.7	15.2	12.1	9.89	8.29	6.67	3.85	3.06	2.50	—
		14	.24	.54	1.00	1.87	3.49	5.02	6.51	7.96	10.8	13.5	14.8	17.0	13.5	11.1	9.26	7.46	4.31	3.42	2.80	—
		15	.25	.58	1.08	2.01	3.76	5.41	7.01	8.57	11.6	14.5	16.0	18.8	15.0	12.3	10.3	8.25	4.77	3.79	3.10	—
		16	.27	.62	1.16	2.16	4.03	5.80	7.52	9.19	12.4	15.6	17.1	20.2	16.5	13.5	11.3	9.11	5.26	4.17	3.42	—
		17	.29	.66	1.24	2.31	4.30	6.20	8.03	9.81	13.3	16.7	18.3	21.6	18.1	14.8	12.4	9.99	5.76	4.57	3.74	—
		18	.31	.70	1.31	2.45	4.58	6.59	8.54	10.4	14.1	17.7	19.5	22.9	19.7	16.1	13.5	10.8	6.28	4.98	4.08	
		19	.33	.75	1.39	2.60	4.85	6.99	9.05	11.1	15.0	18.8	20.6	24.3	21.4	17.5	14.6	11.8	6.81	5.40	4.42	—
		20	.35	.79	1.47	2.75	5.13	7.38	9.57	11.7	15.8	19.8	21.8	25.7	23.1	18.9	15.8	12.7	7.35	5.83	—	—
#60	3/4"	21	.36	.83	1.55	2.90	5.40	7.78	10.1	12.3	16.7	20.9	23.0	27.1	24.8	20.3	17.0	13.7	7.91	6.28	—	—
		22	.38	.87	1.63	3.05	5.68	8.19	10.6	13.0	17.5	22.0	24.2	28.5	26.6	21.8	18.2	14.7	8.48	6.73	—	—
		23	.40	.92	1.71	3.19	5.96	8.59	11.1	13.6	18.4	23.1	25.4	29.9	28.4	23.3	19.5	15.7	9.07	7.19	—	—
		24	.42	.96	1.79	3.35	6.24	8.99	11.6	14.2	19.3	24.2	26.6	31.3	30.3	24.8	20.8	16.7	9.66	7.67	—	—
		25	.44	1.00	1.87	3.50	6.52	9.40	12.2	14.9	20.1	25.3	27.8	32.7	32.2	26.4	22.1	17.8	10.3	8.15	—	—
		26	.46	1.05	1.95	3.65	6.81	9.80	12.7	15.5	21.0	26.4	29.0	34.1	34.2	28.0	23.4	18.8	10.9	8.65	—	—
		28	.50	1.13	2.12	3.95	7.37	10.6	13.8	16.8	22.8	28.5	31.4	37.0	38.2	31.3	26.2	21.1	12.2	—	—	—
		30	.54	1.22	2.28	4.26	7.94	11.4	14.8	18.1	24.5	30.8	33.8	39.8	42.4	34.7	29.1	23.4	13.5	—	—	—
		32	.57	1.31	2.45	4.56	8.52	12.3	15.9	19.4	26.3	33.0	36.3	42.7	46.7	38.2	32.0	25.7	14.9	—	—	—
		35	.63	1.44	2.69	5.03	9.38	13.5	17.5	21.4	29.0	36.3	39.9	47.1	53.4	43.7	36.6	29.5	17.0	—	—	—
		40	.73	1.67	3.11	5.81	10.8	15.6	20.2	24.7	33.5	42.0	46.1	54.4	62.5	53.4	44.7	36.0	—	—	—	—
		45	.83	1.89	3.53	6.60	12.3	17.7	23.0	28.1	38.0	47.7	52.4	61.7	70.9	63.7	53.4	43.0	—	—	—	—
Lubrication			**Type "A"**				**Type "B"**					**Type "C"**										

See Page G-64 for types of lubrication and factors for other chains.

Chain can be rated higher than ratings shown in this catalog for certain applications. Contact Browning with details of the applications.

HORSEPOWER RATINGS - ANSI ROLLER CHAIN

Table No.1

Chain Size	Pitch	Number of Teeth In Sprocket	Revolution Per Minute of Small Sprocket																			
			10	25	50	100	150	200	300	400	500	600	700	800	900	1000	1100	1200	1400	1600	1800	2000
		9	.34	.78	1.45	2.71	3.90	5.05	7.28	9.43	11.5	13.6	15.6	17.6	17.0	14.5	12.6	11.0	8.76	7.17	6.01	5.13
		10	.38	.87	1.63	3.03	4.37	5.66	8.16	10.6	12.9	15.2	17.5	19.7	19.9	17.0	14.7	12.9	10.3	8.40	7.04	6.01
		11	.42	.97	1.80	3.36	4.84	6.28	9.04	11.7	14.3	16.9	19.4	21.9	23.0	19.6	17.0	14.9	11.8	9.69	8.12	6.93
		12	.47	1.06	1.98	3.69	5.32	6.89	9.93	12.9	15.7	18.5	21.3	24.0	26.2	22.3	19.4	17.0	13.5	11.0	9.25	7.90
		13	.51	1.16	2.16	4.03	5.80	7.52	10.8	14.0	17.1	20.2	23.2	26.2	29.1	25.2	21.8	19.2	15.2	12.5	10.4	8.91
		14	.55	1.25	2.34	4.36	6.29	8.14	11.7	15.2	18.6	21.9	25.1	28.4	31.5	28.2	24.4	21.4	17.0	13.9	11.7	9.96
		15	.59	1.35	2.52	4.70	6.77	8.77	12.6	16.4	20.0	23.6	27.1	30.6	34.0	31.2	27.1	23.8	18.9	15.4	12.9	11.0
		16	.63	1.45	2.70	5.04	7.26	9.41	13.5	17.6	21.5	25.3	29.0	32.8	36.4	34.4	29.8	26.2	20.8	17.0	14.2	12.2
		17	.68	1.55	2.88	5.38	7.75	10.0	14.5	18.7	22.9	27.0	31.0	35.0	38.9	37.7	32.7	28.7	22.7	18.6	15.6	13.3
		18	.72	1.64	3.07	5.72	8.25	10.7	15.4	19.9	24.4	28.7	33.0	37.2	41.4	41.1	35.6	31.2	24.8	20.3	17.0	14.5
		19	.76	1.74	3.25	6.07	8.74	11.3	16.3	21.1	25.8	30.4	35.0	39.4	43.8	44.5	38.6	33.9	26.9	22.0	18.4	15.7
#80	1"	20	.81	1.84	3.44	6.41	9.24	12.0	17.2	22.3	27.3	32.2	37.0	41.7	46.3	48.1	41.7	36.6	29.0	23.8	19.9	17.0
		21	.85	1.94	3.62	6.76	9.74	12.6	18.2	23.5	28.8	33.9	39.0	43.9	48.9	51.7	44.8	39.4	31.2	25.6	21.4	18.3
		22	.90	2.04	3.81	7.11	10.2	13.3	19.1	24.8	30.3	35.7	41.0	46.2	51.4	55.5	48.1	42.2	33.5	27.4	23.0	19.6
		23	.94	2.14	4.00	7.46	10.7	13.9	20.1	26.0	31.8	37.4	43.0	48.5	53.9	59.3	51.4	45.1	35.8	29.3	24.6	21.0
		24	.98	2.24	4.19	7.81	11.3	14.6	21.0	27.2	33.2	39.2	45.0	50.8	56.4	62.0	54.8	48.1	38.2	31.2	26.2	22.3
		25	1.03	2.34	4.37	8.16	11.8	15.2	21.9	28.4	34.7	40.9	47.0	53.0	59.0	64.8	58.2	51.1	40.6	33.2	27.8	23.8
		26	1.07	2.45	4.56	8.52	12.3	15.9	22.9	29.7	36.2	42.7	49.1	55.3	61.5	67.6	61.8	54.2	43.0	35.2	29.5	25.2
		28	1.16	2.65	4.94	9.23	13.3	17.2	24.8	32.1	39.3	46.3	53.2	59.9	66.7	73.3	69.0	60.6	48.1	39.4	33.0	28.2
		30	1.25	2.85	5.33	9.94	14.3	18.5	26.7	34.6	42.3	49.9	57.3	64.6	71.8	78.9	76.6	67.2	53.3	43.6	36.6	31.2
		32	1.34	3.06	5.71	10.7	15.3	19.9	28.6	37.1	45.4	53.5	61.4	69.2	77.0	84.6	84.3	74.0	58.7	48.1	40.3	34.4
		35	1.48	3.37	6.29	11.7	16.9	21.9	31.6	40.9	50.0	58.9	67.6	76.3	84.8	93.3	96.5	84.7	67.2	55.0	46.1	39.4
		40	1.71	3.89	7.27	13.6	19.5	25.3	36.4	47.2	57.7	68.0	78.1	88.1	99.0	108.	117.	103.	82.1	67.2	0	0
		45	1.94	4.42	8.25	15.4	22.2	28.7	41.4	53.6	65.6	77.2	88.7	100.	111.	122.	133.	123.	98.0	80.2	0	0
Lubrication			**Type "A"**		**Type "B"**						**Type "C"**											
		10	.73	1.67	3.11	5.81	8.37	10.8	15.6	20.2	24.7	29.2	33.5	28.4	23.8	20.3	17.6	15.5	12.3	10.0	8.42	7.19
		11	.81	1.85	3.45	6.44	9.28	12.0	17.3	22.4	27.4	32.3	37.1	32.8	27.5	23.4	20.3	17.8	14.2	11.6	9.71	0
		12	.89	2.03	3.79	7.08	10.2	13.2	19.0	24.6	30.1	35.5	40.8	37.3	31.3	26.7	23.2	20.3	16.1	13.2	11.1	0
		13	.97	2.22	4.13	7.72	11.1	14.4	20.7	26.9	32.8	38.7	44.5	42.1	35.3	30.1	26.1	22.9	18.2	14.9	12.5	0
		14	1.05	2.40	4.48	8.36	12.0	15.6	22.5	29.1	35.6	41.9	48.2	47.0	39.4	33.7	29.2	25.6	20.3	16.6	13.9	0
		15	1.13	2.59	4.83	9.01	13.0	16.8	24.2	31.4	38.3	45.2	51.9	52.2	43.7	37.3	32.4	28.4	22.5	18.4	15.5	0
		16	1.22	2.77	5.17	9.66	13.9	18.0	26.0	33.6	41.1	48.4	55.6	57.5	48.2	41.1	35.7	31.3	24.8	20.3	17.0	0
		17	1.30	2.96	5.52	10.3	14.8	19.2	27.7	35.9	43.9	51.7	59.4	63.0	52.8	45.0	39.0	34.3	27.2	22.3	0	0
		18	1.38	3.15	5.88	11.0	15.8	20.5	29.5	38.2	46.7	55.0	63.2	68.6	57.5	49.1	42.5	37.3	29.6	24.2	0	0
		19	1.46	3.34	6.23	11.6	16.7	21.7	31.2	40.5	49.5	58.3	67.0	74.4	62.3	53.2	46.1	40.5	32.1	26.3	0	0
		20	1.55	3.53	6.58	12.3	17.7	22.9	33.0	42.8	52.3	61.6	70.8	79.8	67.3	57.5	49.8	43.7	34.7	28.4	0	0
#100	1 1/4"	21	1.63	3.72	6.94	13.0	18.7	24.2	34.8	45.1	55.1	65.0	74.6	84.2	72.4	61.8	53.6	47.0	37.3	30.6	0	0
		22	1.71	3.91	7.30	13.6	19.6	25.4	36.6	47.4	58.0	68.3	78.5	88.5	77.7	66.3	57.5	50.4	40.0	32.8	0	0
		23	1.80	4.10	7.66	14.3	20.6	26.7	38.4	49.8	60.8	71.7	82.3	92.8	83.0	70.9	61.4	53.9	42.8	35.0	0	0
		24	1.88	4.30	8.02	15.0	21.5	27.9	40.2	52.1	63.7	75.0	86.2	97.2	88.5	75.6	65.5	57.5	45.6	37.3	0	0
		25	1.97	4.49	8.38	15.6	22.5	29.2	42.0	54.4	66.6	78.4	90.1	102.	94.1	80.3	69.6	61.1	48.5	0	0	0
		26	2.05	4.68	8.74	16.3	23.5	30.4	43.8	56.8	69.4	81.8	94.0	106.	99.8	85.2	73.8	64.8	51.4	0	0	0
		28	2.22	5.07	9.47	17.7	25.5	33.0	47.5	61.5	75.2	88.6	102.	115.	112.	95.2	82.5	72.4	57.5	0	0	0
		30	2.40	5.47	10.2	19.0	27.4	35.5	51.2	66.3	81.0	95.5	110.	124.	124.	106.	91.5	80.3	63.7	0	0	0
		32	2.57	5.86	10.9	20.4	29.4	38.1	54.9	71.1	86.9	102.	118.	133.	136.	116.	101.	88.5	70.2	0	0	—
		35	2.83	6.46	12.0	22.5	32.5	42.0	60.4	78.3	95.7	113.	130.	146.	156.	133.	115.	101.	0	0	0	—
		40	3.27	7.46	13.9	26.0	37.4	48.5	69.8	90.4	111.	130.	150.	169.	188.	163.	141.	124.	0	0	—	—
		45	3.71	8.47	15.8	29.5	42.5	55.0	79.3	103.	126.	148.	170.	192.	213.	194.	0	0	0	0	—	—
Lubrication			**Type "A"**		**Type "B"**				**Type "C"**													
		10	1.24	2.82	5.26	9.81	14.1	18.3	26.4	34.2	41.8	49.2	40.1	32.9	27.5	23.5	20.4	17.9	14.2	0	0	0
		11	1.37	3.12	5.83	10.9	15.7	20.3	29.2	37.9	46.3	54.6	46.3	37.9	31.8	27.1	23.5	20.6	16.4	0	0	0
		12	1.50	3.43	6.40	11.9	17.2	22.3	32.1	41.6	50.9	59.9	52.8	43.2	36.2	30.9	26.8	23.5	18.7	0	0	0
		13	1.64	3.74	6.98	13.0	18.8	24.3	35.0	45.4	55.5	65.3	59.5	48.7	40.8	34.9	30.2	26.5	21.0	0	0	0
		14	1.78	4.05	7.56	14.1	20.3	26.3	37.9	49.1	60.1	70.8	66.5	54.4	45.6	39.0	33.8	29.6	23.5	0	0	0
		15	1.91	4.37	8.15	15.2	21.9	28.3	40.9	53.0	64.7	76.3	73.8	60.4	50.6	43.2	37.4	32.9	26.1	0	0	—
		16	2.05	4.68	8.74	16.3	23.5	30.4	43.8	56.8	69.4	81.8	81.3	66.5	55.7	47.6	41.2	36.2	28.7	0	0	—
		17	2.19	5.00	9.33	17.4	25.1	32.5	46.8	60.6	74.1	87.3	89.0	72.8	61.0	52.1	45.2	39.6	31.5	0	0	—
		18	2.33	5.32	9.92	18.5	26.7	34.6	49.8	64.5	78.8	92.9	97.0	79.4	66.5	56.8	49.2	43.2	0	0	0	—
		19	2.47	5.64	10.5	19.6	28.3	36.6	52.8	68.4	83.6	98.5	105.	86.1	72.1	61.6	53.4	46.8	0	0	0	—
		20	2.61	5.96	11.1	20.7	29.9	38.7	55.8	72.7	88.3	104.	114.	92.9	77.9	66.5	57.6	50.6	0	0	0	—
#120	1 1/2"	21	2.75	6.28	11.7	21.9	31.5	40.8	58.8	76.2	93.1	110.	122.	100.	83.8	71.6	62.0	54.4	0	0	0	—
		22	2.90	6.60	12.3	23.0	33.1	42.9	61.8	80.1	97.9	115.	131.	107.	89.9	76.7	66.5	58.4	0	0	0	—
		23	3.04	6.93	12.9	24.1	34.8	45.0	64.9	84.0	103.	121.	139.	115.	96.1	82.0	71.1	62.4	0	0	—	—
		24	3.18	7.25	13.5	25.3	36.4	47.1	67.9	88.0	108.	127.	146.	122.	102.	87.4	75.8	66.5	0	0	—	—
		25	3.32	7.58	14.1	26.4	38.0	49.3	71.0	91.9	112.	132.	152.	130.	109.	92.9	80.6	70.7	0	0	—	—
		26	3.47	7.91	14.8	27.5	39.7	51.4	74.0	95.9	117.	138.	159.	138.	115.	98.6	85.4	75.0	0	0	—	—
		28	3.76	8.57	16.0	29.8	43.0	55.7	80.2	104.	127.	150.	172.	154.	129.	110.	95.5	0	0	0	—	—
		30	4.05	9.23	17.2	32.1	46.3	60.0	86.4	112.	137.	161.	185.	171.	143.	122.	106.	0	0	0	—	—
		32	4.34	9.90	18.5	34.5	49.6	64.3	92.6	120	147	173.	199.	188.	158.	135.	0	0	0	0	—	—
		35	4.78	10.9	20.3	38.0	54.7	70.9	102.	132.	162	190.	219.	215.	180.	154.	0	0	0	—	—	—
		40	5.52	12.6	23.5	43.9	63.2	81.8	118.	153.	187	220.	253.	0	0	0	0	0	0	—	—	—
		45	6.27	14.3	26.7	49.8	71.7	92.9	134.	173.	212	250.	287.	0	0	0	0	0	—	—	—	—
Lubrication			**Type "A"**		**Type "B"**				**Type "C"**													

See Page G-64 for types of lubrication and factors for other chains.

Chain can be rated higher than ratings shown in this catalog for certain applications. Contact Browning with details of the applications.

HORSEPOWER RATINGS - ANSI ROLLER CHAIN

Table No.1

Chain Size	Pitch	Number of Teeth in Sprocket	Revolution Per Minute of Small Sprocket																			
			10	25	50	100	150	200	250	300	350	400	450	500	550	600	700	800	900	1000	1100	1200
#140	1 3/4"	9	1.71	3.89	7.26	13.6	19.5	25.3	30.9	36.4	41.8	47.2	52.5	57.7	55.7	48.9	38.8	31.7	26.6	22.7	19.7	17.3
		10	1.91	4.36	8.14	15.2	21.9	28.3	34.6	40.8	46.9	52.9	58.8	64.6	65.2	57.2	45.4	37.2	31.2	26.6	23.1	0
		11	2.12	4.83	9.02	16.8	24.2	31.4	38.4	45.2	52.0	58.6	65.2	71.6	75.2	66.0	52.4	42.9	35.9	30.7	26.6	0
		12	2.33	5.31	9.91	18.5	26.6	34.5	42.2	49.7	57.1	64.4	71.6	78.7	85.7	75.2	59.7	48.9	41.0	35.0	30.3	0
		13	2.54	5.79	10.8	20.2	29.0	37.6	46.0	54.2	62.2	70.2	78.0	85.8	93.5	84.8	67.3	55.1	46.2	39.4	34.2	0
		14	2.75	6.27	11.7	21.8	31.5	40.8	49.8	58.7	67.4	76.0	84.5	93.0	101.	94.8	75.2	61.6	51.6	44.1	38.2	0
		15	2.96	6.76	12.6	23.5	33.9	43.9	53.7	63.2	72.7	81.9	91.1	100.	109.	105.	83.4	68.3	57.2	48.9	0	0
		16	3.18	7.24	13.5	25.2	36.3	47.1	57.5	67.8	77.9	87.8	97.7	107.	117.	116.	91.9	75.2	63.1	53.8	0	0
		17	3.39	7.73	14.4	26.9	38.8	50.3	61.4	72.4	83.2	93.8	104.	115.	125.	127.	101.	82.4	69.1	59.0	0	0
		18	3.61	8.23	15.4	28.6	41.3	53.5	65.3	77.0	88.5	99.8	111.	122.	133.	138.	110.	89.8	75.2	64.2	0	0
		19	3.82	8.72	16.3	30.4	43.7	56.7	69.2	81.6	93.8	106.	118.	129.	141.	150.	119.	97.4	81.6	69.7	0	0
		20	4.04	9.22	17.2	32.1	46.2	59.9	73.2	86.3	99.1	112.	124.	137.	149.	161.	128.	105.	88.1	75.2	0	0
		21	4.26	9.72	18.1	33.8	48.7	63.1	77.2	91.0	104.	118.	131.	144.	157.	170.	138.	113.	94.8	0	0	0
		22	4.48	10.2	19.1	35.6	51.3	66.4	81.2	95.6	110.	124.	138.	151.	165.	178.	148.	121.	102.	0	0	0
		23	4.70	10.7	20.0	37.3	53.8	69.7	85.2	100.	115.	130.	145.	159.	173.	187.	158.	130.	109.	0	0	0
		24	4.92	11.2	20.9	39.1	56.3	72.9	89.2	105.	121.	136.	151.	166.	181.	196.	169.	138.	116.	0	0	0
		25	5.14	11.7	21.9	40.8	58.8	76.2	93.2	110.	126.	142.	158.	174.	189.	205.	180.	147.	0	0	0	0
		26	5.37	12.2	22.8	42.6	61.4	79.5	97.2	115.	132.	148.	165.	181.	198.	214.	190.	156.	0	0	0	0
		28	5.81	13.3	24.7	46.2	66.5	86.2	105.	124.	143.	161.	179.	197.	214.	232.	213.	174.	0	0	0	0
		30	6.26	14.3	26.7	49.7	71.6	92.8	113.	134.	154.	173.	193.	212.	231.	249.	236.	0	0	0	0	0
		32	6.71	15.3	28.6	53.3	76.8	99.5	122.	143.	165.	186.	206.	227.	247.	267.	0	0	0	0	0	0
		35	7.40	16.9	31.5	58.7	84.6	110.	134.	158.	181.	205.	227.	250.	272.	295.	0	0	0	0	0	0
		40	8.54	19.5	36.4	67.9	97.7	127.	155.	182.	210.	236.	263.	289.	315.	0	0	0	0	0	0	—
		45	9.70	22.1	41.3	77.1	111.	144.	176.	207.	238.	268.	298.	328.	357.	0	0	0	0	0	0	—
Lubrication			**Type "A"**	**Type "B"**				**Type "C"**														
#160	2"	9	2.48	5.65	10.5	19.7	28.3	36.7	44.8	52.8	60.7	68.5	76.1	71.5	62.0	54.4	43.2	35.3	29.6	0	0	0
		10	2.77	6.33	11.8	22.0	31.7	41.1	50.3	59.2	68.0	76.7	85.3	83.7	72.6	63.7	50.5	41.4	34.7	0	0	0
		11	3.07	7.01	13.1	24.4	35.2	45.6	55.7	65.6	75.4	85.0	94.5	96.6	83.7	73.5	58.3	47.7	0	0	0	0
		12	3.38	7.70	14.4	26.8	38.6	50.1	61.2	72.1	82.8	93.4	104.	110.	95.4	83.7	66.4	54.4	0	0	0	0
		13	3.68	8.40	15.7	29.2	42.1	54.6	66.7	78.6	90.3	102.	113.	124.	108.	94.4	74.9	61.3	0	0	0	0
		14	3.99	9.10	17.0	31.7	45.6	59.1	72.3	85.2	97.8	110.	123.	135.	120.	105.	83.7	68.5	0	0	0	0
		15	4.30	9.80	18.3	34.1	49.2	63.7	77.9	91.7	105.	119.	132.	145.	133.	117.	92.8	76.0	0	0	0	0
		16	4.61	10.5	19.6	36.6	52.7	68.3	83.5	98.4	113.	127.	142.	156.	147.	129.	102.	0	0	0	0	0
		17	4.92	11.2	20.9	39.1	56.3	72.9	89.1	105.	121.	136.	151.	166.	161.	141.	112.	0	0	0	0	0
		18	5.23	11.9	22.3	41.6	59.9	77.6	94.8	112.	128.	145.	161.	177.	175.	154.	122.	0	0	0	0	0
		19	5.55	12.7	23.6	44.1	63.5	82.2	101.	118.	136.	153.	171.	188.	190.	167.	132.	0	0	0	0	0
		20	5.86	13.4	25.0	46.6	67.1	86.9	106.	125.	144.	162.	180.	198.	205.	180.	0	0	0	0	0	0
		21	6.18	14.1	26.3	49.1	70.7	91.6	112.	132.	152.	171.	190.	209.	221.	194.	0	0	0	0	0	0
		22	6.50	14.8	27.7	51.6	74.4	96.3	118.	139.	159.	180.	200.	220.	0	0	0	0	0	0	0	—
		23	6.82	15.6	29.0	54.2	78.0	101.	124.	146.	167.	189.	210.	231.	0	0	0	0	0	0	0	—
		24	7.14	16.3	30.4	56.7	81.7	106.	129.	152.	175.	197.	220.	241.	0	0	0	0	0	0	0	—
		25	7.46	17.0	31.8	59.3	85.4	111.	135.	159.	183.	206.	229.	252.	0	0	0	0	0	0	0	—
		26	7.78	17.8	33.1	61.8	89.1	115.	141.	166.	191.	215.	239.	263.	0	0	0	0	0	0	0	—
		28	8.43	19.2	35.9	67.0	96.5	125.	153.	180.	207.	233.	259.	285.	0	0	0	0	0	0	0	—
		30	9.08	20.7	38.7	72.2	104.	135.	165.	194.	223.	251.	279.	0	0	0	0	0	0	0	—	—
		32	9.74	22.2	41.5	77.4	111.	144.	176.	208.	239.	269.	300.	0	0	0	0	0	0	0	—	—
		35	10.7	24.5	45.7	85.2	123.	159.	194.	229.	263.	297.	330.	0	0	0	0	0	0	0	—	—
		40	12.4	28.3	52.8	98.5	142.	184.	225.	265.	304.	343.	0	0	0	0	0	0	0	—	—	—
		45	14.1	32.1	59.9	112.	161.	209.	255.	301.	345.	0	0	0	0	0	0	0	0	—	—	—
Lubrication			**Type "A"**	**Type "B"**				**Type "C"**														
#180	2 1/4"	9	3.42	7.80	14.5	27.1	39.1	50.7	61.9	73.0	83.8	94.5	92.0	78.5	68.1	59.7	0	0	0	0	0	—
		10	3.83	8.74	16.3	30.4	43.8	56.8	69.4	81.8	93.9	106.	108.	92.0	79.7	70.0	0	0	0	0	0	—
		11	4.24	9.68	18.1	33.7	48.6	62.9	76.9	90.6	104.	117.	124.	106.	92.0	80.7	0	0	0	0	0	—
		12	4.66	10.6	19.8	37.0	53.4	69.1	84.5	99.6	114.	129.	142.	121.	105.	92.0	0	0	0	0	0	—
		13	5.08	11.6	21.6	40.4	58.2	75.4	92.1	109.	125.	141.	156.	136.	118.	0	0	0	0	0	0	—
		14	5.51	12.6	23.4	43.7	63.0	81.6	99.8	118.	135.	152.	0	0	0	0	0	0	0	0	0	—
		15	5.93	13.5	25.3	47.1	67.9	88.0	108.	127.	146.	164.	0	0	0	0	0	0	0	0	0	—
		16	6.36	14.5	27.1	50.5	72.8	94.3	115.	136.	156.	178.	0	0	0	0	0	0	0	0	0	—
		17	6.79	15.5	28.9	54.0	77.7	101.	123.	145.	167.	188.	0	0	0	0	0	0	0	0	—	—
		18	7.22	16.5	30.8	57.4	82.7	107	131.	154.	177.	200.	0	0	0	0	0	0	0	0	—	—
		19	7.66	17.5	32.6	60.8	87.6	114.	139.	164.	188.	212.	0	0	0	0	0	0	0	0	—	—
		20	8.10	18.5	34.5	64.3	92.6	120.	147.	173.	199.	224.	0	0	0	0	0	0	0	0	—	—
		21	8.53	19.5	36.3	67.8	97.6	126.	155.	182.	209.	236.	0	0	0	0	0	0	0	0	—	—
		22	8.97	20.5	38.2	71.3	103.	133.	163.	192.	220.	0	0	0	0	0	0	0	0	0	—	—
		23	9.41	21.5	40.1	74.8	108.	140.	171.	201.	231.	0	0	0	0	0	0	0	0	—	—	—
		24	9.86	22.5	42.0	78.3	113.	146.	179.	210.	242.	0	0	0	0	0	0	0	0	—	—	—
		25	10.3	23.5	43.9	81.8	118.	153.	187.	220.	253.	0	0	0	0	0	0	0	0	—	—	—
		26	10.7	24.5	45.7	85.4	123.	159.	195.	229.	264.	0	0	0	0	0	0	0	0	—	—	—
		28	11.6	26.6	49.6	92.5	133.	173.	211.	249.	286.	0	0	0	0	0	0	0	0	—	—	—
		30	12.5	28.6	53.4	99.6	144.	186.	227.	268.	308.	0	0	0	0	0	0	0	0	—	—	—
		32	13.4	30.7	57.2	107.	154.	199.	244.	287.	0	0	0	0	0	0	0	0	—	—	—	—
		35	14.8	33.8	63.1	118.	170.	220.	268.	316.	0	0	0	0	0	0	0	0	—	—	—	—
		40	17.1	39.0	72.9	136.	196.	254.	310.	365.	0	0	0	0	0	0	0	0	—	—	—	—
		45	19.4	44.3	82.7	154.	222.	288.	352.	0	0	0	0	0	0	0	0	—	—	—	—	—
Lubrication			**Type "A"**	**Type "B"**				**Type "C"**														

See Page G-64 for types of lubrication and factors for other chains.

Chain can be rated higher than ratings shown in this catalog for certain applications. Contact Browning with details of the applications.

HORSEPOWER RATINGS - ANSI ROLLER CHAIN

Table No. 1

Chain Size	Pitch	Number of Teeth In Sprocket	Revolutions Per Minute of Small Sprocket																			
			5	10	15	20	30	40	50	70	100	150	200	250	300	350	400	450	500	550	600	650
#200	2 1/2"	9	—	4.54	6.54	8.47	12.2	15.8	19.3	19.6	36.0	51.9	67.3	82.2	96.9	111.	119.	100.	85.4	74.1	65.0	57.6
		10	—	5.08	7.32	9.49	13.7	17.7	21.6	29.3	40.4	58.2	75.4	92.1	109.	125.	140.	117.	100.	86.7	76.1	65.5
		11	—	5.64	8.12	10.5	15.1	19.6	24.0	32.5	44.8	64.5	83.5	102.	120.	138.	156.	135.	115.	100.	87.8	77.9
		12	—	6.19	8.92	11.6	16.6	21.6	26.4	35.7	49.2	70.8	91.8	112.	132.	152.	171.	154.	132.	114.	100.	0
		13	—	6.75	9.72	12.6	18.1	23.5	28.7	38.9	53.6	77.2	100.	122.	144.	166.	187.	174.	148.	129.	113.	0
		14	—	7.31	10.5	13.6	19.7	25.5	31.1	42.1	58.1	83.7	108.	132.	156.	179.	202.	194.	166.	144.	126.	0
		15	—	7.88	11.3	14.7	21.2	27.4	33.5	45.4	62.6	90.1	117.	143.	168.	193.	218.	215.	184.	159.	140.	0
		16	—	8.45	12.2	15.8	22.7	29.4	36.0	48.7	67.1	96.6	125.	153.	180.	207.	234.	237.	203.	176.	154.	0
		17	—	9.02	13.0	16.8	24.2	31.4	38.4	52.0	71.6	103.	134.	163.	193.	221.	249.	260.	222.	192.	169.	0
		18	—	9.59	13.8	17.9	25.8	33.4	40.8	55.3	76.2	110.	142.	174.	205.	235.	265.	283.	242.	209.	184.	0
		19	—	10.2	14.6	19.0	27.3	35.4	43.3	58.6	80.8	116.	151.	184.	217	249.	281.	307.	262.	227.	199.	0
		20	—	10.7	15.5	20.1	28.9	37.4	45.8	61.9	85.4	123.	159.	195.	229.	264.	297.	331.	283.	245.	0	—
		21	—	11.3	16.3	21.1	30.5	39.5	48.2	65.3	90.0	130.	168.	205.	242.	278.	313.	348.	305.	264.	0	—
		22	—	11.9	17.2	22.2	32.0	41.5	50.7	68.7	94.6	136.	177.	216.	254.	292.	330.	366.	327.	283.	0	—
		23	—	12.5	18.0	23.3	33.6	43.5	53.2	72.0	99.3	143.	185.	226.	267.	307.	346.	384.	349.	303.	0	—
		24	—	13.1	18.9	24.4	35.2	45.6	55.7	75.4	104.	150.	194.	237.	279.	321.	362.	402.	372.	323.	0	—
		25	—	13.7	19.7	25.5	36.8	47.6	58.2	78.8	109.	156.	203.	248.	292.	335.	378.	421.	396.	343.	0	—
		26	—	14.3	20.6	26.6	38.4	49.7	60.7	82.2	113.	163.	212.	259.	305.	350.	395.	439.	420.	364.	0	—
Lubrication			**Type "A"**			**Type "B"**							**Type "C"**									
#240	3"	9	3.92	7.31	10.5	13.6	19.6	25.4	31.1	42.1	58.1	83.6	108.	132.	156.	169.	138.	116.	0	—	—	—
		10	4.39	8.19	11.8	15.3	22.0	28.5	34.9	47.1	65.0	93.7	121.	148.	175.	198.	162.	136.	—	—	—	—
		11	4.86	9.08	13.1	16.9	24.4	31.6	38.6	52.2	72.1	104.	135.	164.	194.	223.	187.	156.	—	—	—	—
		12	5.34	9.97	14.4	18.6	26.8	34.7	42.4	57.4	79.2	114.	148.	181.	213.	245.	218.	0	—	—	—	—
		13	5.83	10.9	15.7	20.3	29.2	37.9	46.3	62.5	86.4	124.	161.	197.	232.	267.	240.	0	—	—	—	—
		14	6.31	11.8	17.0	22.0	31.7	41.0	50.1	67.8	93.6	135.	175.	213.	251.	289.	268.	0	—	—	—	—
		15	6.80	12.7	18.3	23.7	34.1	44.2	54.0	73.0	101.	145.	188.	230.	271.	311.	297.	0	—	—	—	—
		16	7.29	13.6	19.6	25.4	36.6	47.4	57.9	78.3	108.	156.	202.	247.	290.	334.	328.	0	—	—	—	—
		17	7.78	14.5	20.9	27.1	39.0	50.6	61.8	83.6	115.	166.	215.	263.	310.	356.	359.	0	—	—	—	—
		18	8.28	15.4	22.3	28.8	41.5	53.8	65.8	88.7	123.	177.	229.	280.	330.	379.	377.	0	—	—	—	—
		19	8.78	16.4	23.6	30.6	44.0	57.0	69.7	94.1	130.	187.	243.	297.	350.	402.	393.	0	—	—	—	—
		20	9.28	17.3	24.9	32.3	46.5	60.3	73.7	99.4	138.	198.	257.	314.	370.	423.	407.	0	—	—	—	—
		21	9.78	18.2	26.3	34.1	49.0	63.5	77.7	105.	145.	209.	270.	331.	390.	439.	421.	0	—	—	—	—
		22	10.3	19.2	27.6	35.8	51.6	66.8	81.7	110.	152.	220.	284.	348.	410.	454.	435.	0	—	—	—	—
		23	10.8	20.1	29.0	37.6	54.1	70.1	85.7	116.	160.	230.	298.	365.	430.	469.	448.	0	—	—	—	—
		24	11.3	21.1	30.4	39.3	56.7	73.4	89.7	121.	167.	241.	312.	382.	450.	483.	0	—	—	—	—	—
		25	11.8	22.0	31.7	41.1	59.2	76.7	93.8	126.	175.	252.	327.	399.	470.	496.	0	—	—	—	—	—
		26	12.3	23.0	33.1	42.9	61.8	80.0	97.8	132.	183.	263.	341.	416.	491.	509.	0	—	—	—	—	—
Lubrication			**Type "A"**			**Type "B"**							**Type "C"**									

Chain can be rated higher than ratings shown in this catalog for certain applications. Contact Browning with details of the applications.

Type "A" - Manual or Drip Lubrication.
Type "B" - Bath or Disc Lubrication.
Type "C" - Oil Stream Lubrication.

Maximum Chain Speed (FPM) for Types A, B and C Lubrication

Table No. 2

Lubrication	Chain Size													
	25	35	41	40	50	60	80	100	120	140	160	180	200	240
Type "A"	500	370	300	300	250	220	170	150	130	115	100	90	85	75
Type "B"	2500	2800	2300	2300	2000	1800	1500	1300	1200	1100	1000	960	900	800
Type "C"	**Maximum shown in Rating Tables**													

Capacities listed in the Rating Tables are for Single Strand Standard and Heavy Chain. For other chains multiply the above ratings by the following factors:

Double	Triple	Quadruple	Stainless Steel
1.7	2.5	3.3	.2

Browning® LL Chain may replace standard chain when life is limited due to lack of lubrication, between 0° F. and 200° F. ambient temperature. For either temperatures and for new drives, consult the Browning Engineers.

Interpolate for ratings of sprocket sizes and speeds not shown in tables; for SLOWER SPEEDS, see Page G-55.

CAUTION-Zero values in the tables indicate speeds beyond the maximum recommended. Operation at these speeds results in galling of chain joints, regardless of the volume of lubricant applied. Driver sprockets with 17 or more teeth should be used for moderate speeds and 21 or more teeth should used for high speeds.

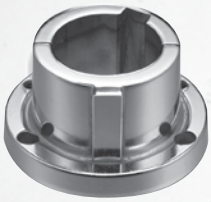
Browning® ...OFFERS THE WORLD'S LARGEST SELECTION OF APPLICATION "MATCHED, SHAFT-READY SPROCKETS"

That's Your Assurance Of Maximum Drive Efficiency At The Lowest Evaluated Cost.

You can choose from the world's largest selection of high-quality, shaft ready sprockets to solve all your application problems. In-stock hardened sprockets, a Browning specialty, are guaranteed to last at least twice as long as the standard (unhardened) mild steel sprockets they replace. The result is increased chain life and reduced downtime.

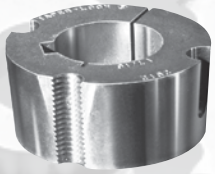
Additionally, you have the industry's broadest selection of sprocket mounting choices. Sprockets are available with three types of bushings to ensure secure mounting to shaft:

- **BROWNING SPLIT TAPER®** Bushing — available in inch and metric sizes, as well as with spline bores; bore range 1/4-10".
- **Q-D®** Bushing in 1/16 inch increments and metric sizes.
- **TAPER BORE** in the same configurations.
- Finished Bore Sprockets are available with Hardened Teeth and 2 Setscrews for driver size sprockets, (30 teeth and smaller).
- Minimum Bore Sprockets are provided from stock to allow for our customers, requirements for simple modifications with same day delivery service.
- Browning continues to provide custom sprockets for a variety of applications up through 60" diameters.
- The combination of the above provides one of the broadest selections of stock sprockets in the industry.



BROWNING SPLIT TAPER® Bushing

Q-D® Bushing



TAPER BORE Bushing

STANDARD & HARDENED SPROCKETS

	No. Strands	Pitch Range	Bore Range	Hardened Teeth
Bushing Type	1	35-200	3/8-5"	Up to 40 teeth
	2	35-200	3/8-5	
	3	35-160	1/2-5	
Finished Bore	1	35-100	3/8-2 7/16	Up to 30 teeth
Type B Min. Bore	1	25-200	1/4-6 3/4	
	2	35-200	1/2-8 1/4	
	3	40-200	1/2-8 3/8	
Type A Steel Plate	1	25-200		
OTHER SPROCKETS				
Double Single Sprockets		40-100	3/8-3 3/4	All
Extended Pitch Sprockets		2040-2080	3/8-2 11/16	
		2042-2082	5/8-3	
Shear Pin Sprockets & Hubs		40-160	3/8-5	
Torque Limiters & Sprockets		35-80	1/2-2 1/2	

To ensure optimum quality and reliability, Browning uses precision gear checking quality techniques in manufacturing these sprockets.

Bushing type hardened sprocket and Browning's exclusive warranty (to last twice as long as a standard sprocket).

Table No. 1

No. of Teeth	No. 25	Stock Sprockets for No. 35 Single Roller Chain							Stock Sprockets for No. 35 Double		
	Minimum Bore	Split Taper Bushing	Q-D Bushing	Taper Bore Bushing Hardened	Finished Bore Hardened	Finished Bore	Type A Plate	Minimum Bore	Q-D Bushing	Taper Bore Bushing	Minimum Bore
	Page H-10	Page H-10	Page H-11	Page H-56	Page H-11	Page H-11	Page H-12	Page H-12	Page H-12	Page H-56	Page H-13
8	—	—	—	—	—	—	—	35B8	—	—	—
9	25B9	—	—	—	H359	—	—	35B9	—	—	—
10	25B10	—	—	—	H3510	—	—	35B10	—	—	—
11	25B11	—	—	—	H3511	—	—	35B11	—	—	—
12	25B12	—	—	—	H3512	—	—	35B12	—	—	D35B12
13	25B13	—	—	—	H3513	—	—	35B13	—	—	D35B13
14	25B14	—	—	—	H3514	—	—	35B14	—	—	D35B14
15	25B15	35G15	—	—	H3515	—	35A15	35B15	—	—	D35B15
16	25B16	35G16	—	—	H3516	—	35A16	35B16	—	—	D35B16
17	25B17	35G17	—	—	H3517	—	35A17	35B17	—	—	D35B17
18	25B18	35G18	—	35TB18	H3518	—	35A18	35B18	—	—	D35B18
19	25B19	35G19, 35H19	35JA19	35TB19	—	—	35A19	35B19	—	D35TB19	D35B19
20	25B20	35H20	35JA20	35TB20	H3520	—	35A20	35B20	—	D35TB20	D35B20
21	25B21	35H21	35JA21	35TB21	—	—	35A21	35B21	—	D35TB21	D35B21
22	25B22	35H22	35JA22	35TB22	—	—	35A22	35B22	—	D35TB22	D35B22
23	25B23	35H23	35JA23	35TB23	—	—	35A23	35B23	—	—	D35B23
24	25B24	35H24	35JA24	35TB24	H3524	—	35A24	35B24	—	D35TB24	D35B24
25	25B25	35H25	35JA25	35TB25	H3525	—	35A25	35B25	—	—	D35B25
26	25B26	35H26	35JA26	35TB26	—	—	35A26	35B26	—	D35TB26	D35B26
27	—	35H27	35JA27	—	—	—	35A27	35B27	—	—	—
28	25B28	35H28	35JA28	35TB28	—	—	35A28	35B28	—	—	—
30	25B30	35H30	35JA30	35TB30	H3530	—	35A30	35B30	—	D35TB30	D35B30
32	25B32	35H32	35JA32	35TB32	—	3532	35A32	35B32	—	D35TB32	—
35	—	35H35	35JA35	35TB35	—	—	35A35	35B35	—	D35TB35	—
36	25B36	35H36	35SH36	35TB36	—	3536	35A36	35B36	—	—	D35B36
40	25B40	35H40	35SH40	35TB40	—	3540	35A40	35B40	—	D35TB40	—
42	—	35H42	35SH42	35TB42	—	3542	35A42	35B42	—	—	D35B42
45	25B45	35H45	35SH45	35TB45	—	3545	35A45	35B45	—	D35TB45	—
48	25B48	35H48	35SH48	35TB48	—	3548	35A48	35B48	—	D35TB48	D35B48
52	—	—	—	—	—	—	—	—	—	—	D35B52
54	25B54	35H54	35SH54	35TB54	—	—	35A54	35B54	—	D35TB54	—
60	25B60	35H60	35SH60	35TB60	—	3560	35A60	35B60	—	D35TB60	D35B60
68	—	—	—	—	—	—	—	—	D35SDS68	—	D35B68
70	25B70	35H70	—	35TB70	—	—	35A70	35B70	—	D35TB70	—
72	25B72	35H72	35SH72	35TB72	—	—	35A72	35B72	D35SDS72	—	D35B72
78	—	—	—	—	—	—	—	—	D35SDS76	—	D35B76
80	—	35H80	35SH80	35TB80	—	—	35A80	35B80	—	D35TB80	—
84	—	35H84	35SH84	35TB84	—	—	35A84	35B84	D35SK84	—	D35B84
95	—	—	—	—	—	—	—	—		—	
96	—	35H96	35SH96	35TB96	—	—	35A96	35B96	—	D35TB96	—
102	—	—	—	—	—	—	—	—	—	—	—
112	—	35H112	35SH112	35TB112	—	—	35A112	35B112	—	D35TB112	—

Table No. 2

Stock Sprockets for No. 41 Roller Chain

No. of Teeth	Split Taper Bushing Type	Q-D Bushing Type	Taper Bore Bushing	Finished Bore Type	Type A Plate	Minimum Bore
	Page H-13	Page H-14	Page H-56	Page H-14	Page H-15	Page H-15
6	—	—	—	—	—	41B6
7	—	—	—	—	—	41B7
8	—	—	—	—	—	41B8
9	—	—	—	419	—	41B9
10	—	—	—	4110	—	41B10
11	—	—	—	4111	—	41B11
12	41G12	—	—	4112	—	41B12
13	—	—	—	4113	—	41B13
14	41G14	—	41TB14	4114	—	41B14
15	41H15	41JA15	41TB15	4115	41A15	41B15
16	41H16	41JA16	41TB16	4116	41A16	41B16
17	41H17	41JA17	41TB17	4117	41A17	41B17
18	41H18	41JA18	41TB18	4118	41A18	41B18
19	41H19	41JA19	41TB19	4119	41A19	41B19
20	41H20	41SH20	41TB20	4120	41A20	41B20
21	41H21	41SH21	41TB21	4121	41A21	41B21
22	41H22	41SH22	41TB22	4122	41A22	41B22
23	41H23	41SH23	41TB23	—	41A23	41B23
24	41H24	41SH24	41TB24	4124	41A24	41B24
25	41H25	41SH25	41TB25	4125	41A25	41B25
26	41H26	41SH26	41TB26	—	41A26	41B26
27	41H27	41SH27	—	—	41A27	41B27
28	41H28	41SH28	41TB28	—	41A28	41B28
30	41H30	41SH30	41TB30	4130	41A30	41B30
32	41H32	41SH32	41TB32	—	41A32	41B32
35	41H35	41SH35	41TB35	4135	41A35	41B35
36	41P36(P1)	41SDS36	41TB36	4136	41A36	41B36
40	41P40(P1)	41SDS40	41TB40	—	41A40	41B40
42	41P42(P1)	41SDS42	—	4142	41A42	41B42
45	41P45(P1)	41SDS45	41TB45	—	41A45	41B45
48	41P48(P1)	41SDS48	41TB48	—	41A48	41B48
54	41P54(P1)	41SDS54	41TB54	4154	41A54	41B54
60	41P60(P1)	41SDS60	41TB60	—	41A60	41B60
70	41P70(P1)	41SK70	41TB70	—	41A70	41B70
72	41P72(P1)	41SK72	41TB72	—	41A72	41B72
80	41P80(P1)	41SK80	41TB80	—	41A80	41B80
84	41P84(P1)	41SK84	—	—	41A84	41B84
96	41P96(P1)	41SK96	41TB96	—	41A96	41B96
112	41P112(P1)	41SK112	—	—	41A112	41B112

H

Table No. 1

Stock Sprockets for No. 40 Single Roller Chain

No. of Teeth	Split Taper Bushing Hardened	Q-D Bushing Hardened	Taper Bore Bushing Hardened	Split Taper Bushing Type	Q-D Bushing Type	Taper Bore Bushing Type	Finished Bore Hardened	Finished Bore	Type "A" Plate	Minimum Bore
	Page H-16	Page H-17	Page H-57	Page H-16 & H-17	Page H-17	Page H-57	Page H-18	Page H-18	Page H-18	Page H-19
8	—	—	—	—	—	—	—	—	—	40B8
9	—	—	—	—	—	—	H409	—	—	40B9
10	—	—	—	—	—	—	H4010	—	—	40B10
11	—	—	—	—	—	—	H4011	—	—	40B11
12	H40G12	—	—	—	—	—	H4012	—	40A12	40B12
13	H40G13	—	—	—	—	—	H4013	—	40A13	40B13
14	H40G14	—	H40TB14	—	—	—	H4014	—	40A14	40B14
15	H40H15	H40JA15	H40TB15	—	—	—	H4015	—	40A15	40B15
16	H40H16	H40JA16	H40TB16	—	—	—	H4016	—	40A16	40B16
17	H40H17	H40JA17	H40TB17	—	—	—	H4017	—	40A17	40B17
18	H40H18, H40P18(P1)	H40JA18	H40TB18	—	—	—	H4018	—	40A18	40B18
19	H40H19, H40P19(P1)	H40JA19	H40TB19	—	—	—	H4019	—	40A19	40B19
20	H40H20, H40P20(P1)	H40SH20	H40TB20	—	—	—	H4020	—	40A20	40B20
21	H40H21, H40P21(P1)	H40SH21	H40TB21	—	—	—	H4021	—	40A21	40B21
22	H40H22, H40P22(P1)	H40SH22	H40TB22	—	—	—	H4022	—	40A22	40B22
23	H40H23, H40P23(P1)	H40SH23	H40TB23	—	—	—	H4023	—	40A23	40B23
24	H40H24, H40P24(P1)	H40SH24	H40TB24	—	—	—	H4024	—	40A24	40B24
25	H40H25, H40P25(P1)	H40SH25	H40TB25	—	—	—	H4025	—	40A25	40B25
26	H40H26, H40P26(P1)	H40SH26	H40TB26	—	—	—	H4026	—	40A26	40B26
27	H40P27(P1)	H40SH27	—	—	—	—	H4027	—	40A27	40B27
28	H40H28, H40P28(P1)	H40SH28	H40TB28	—	—	—	H4028	—	40A28	40B28
29	H40P29(P1)	—	—	—	—	—	H4029	—	40A29	—
30	H40H30, H40P30(P1)	H40SH30	H40TB30	—	40SH30	40TB30	H4030	—	40A30	40B30
31	—	—	—	40P31(P1)	—	—	—	4031	40A31	—
32	H40H32	—	—	40P32(P1)	40SH32	40TB32	—	4032	40A32	40B32
33	H40H33	—	—	40P33(P1)	—	—	—	4033	40A33	40B33
34	—	—	—	40P34(P1)	—	—	—	4034	40A34	40B34
35	H40H35	—	—	40P35(P1)	40SH35	40TB35	—	4035	40A35	40B35
36	H40H36	—	—	40P36(P1)	40SDS36	40TB36	—	4036	40A36	40B36
37	—	—	—	40P37(P1)	—	—	—	4037	40A37	—
38	H40H38	—	—	40P38(P1)	—	—	—	4038	40A38	40B38
39	—	—	—	—	—	—	—	—	40A39	—
40	H40H40	—	—	40P40(P1)	40SDS40	40TB40	—	4040	40A40	40B40
41	—	—	—	40P41(P1)	—	—	—	—	40A41	40B41
42	—	—	—	40P42(P1)	40SDS42	40TB42	—	4042	40A42	40B42
43	—	—	—	—	—	—	—	—	40A43	—
44	—	—	—	40P44(P1)	—	—	—	4044	40A44	—
45	—	—	—	40P45(P1)	40SDS45	40TB45	—	4045	40A45	40B45
46	—	—	—	—	—	—	—	—	40A46	40B46
47	—	—	—	40P47(P1)	—	—	—	—	40A47	40B47
48	—	—	—	40P48(P1)	40SDS48	40TB48	—	4048	40A48	40B48
49	—	—	—	—	—	—	—	—	40A49	—
50	—	—	—	40P50(P1)	—	—	—	—	40A50	40B50
51	—	—	—	—	—	—	—	4051	40A51	—
52	—	—	—	—	—	—	—	—	40A52	—
53	—	—	—	—	—	—	—	—	40A53	—
54	—	—	—	40P54(P1)	40SDS54	40TB54	—	4054	40A54	40B54
55	—	—	—	—	—	—	—	—	40A55	—
56	—	—	—	40P56(P1)	—	—	—	4056	40A56	—
57	—	—	—	—	—	—	—	—	40A57	—
58	—	—	—	—	—	—	—	—	40A58	—
59	—	—	—	—	—	—	—	—	40A59	—
60	—	—	—	40P60(P1), 40Q60(Q1)	40SDS60	40TB60	—	4060	40A60	40B60
64	—	—	—	—	—	—	—	—	40A64	—
70	—	—	—	40P70(P1), 40Q70(Q1)	40SK70	40TB70	—	4070	40A70	40B70
72	—	—	—	40Q72(Q1)	40SK72	40TB72	—	—	40A72	40B72
80	—	—	—	40Q80(Q1)	40SK80	40TB80	—	4080	40A80	40B80
84	—	—	—	40Q84(Q1)	40SK84	40TB84	—	—	40A84	40B84
96	—	—	—	40Q96(Q1)	40SK96	40TB96	—	—	40A96	40B96
112	—	—	—	40Q112(Q1)	40SK112	40TB112	—	—	40A112	40B112

Table No. 2

Stock Sprockets for No. 40 Double and Triple Roller Chain

No. of Teeth	Split Taper Bushing Type	Q-D Bushing Type	Taper Bore Bushing Type	Minimum Bore	Split Taper Bushing Type	No. of Teeth	Split Taper Bushing Type	Q-D Bushing Type	Taper Bore Bushing Type	Minimum Bore	Split Taper Bushing Type	Q-D Bushing Type
	Page H-20	Page H-20	Page H-57	Page H-20 & H-21	Page H-21		Page H-20	Page H-20	Page H-57	Page H-20 & H-21	Page H-21	Page H-21
11	—	—	—	D40B11	—	32	D40Q32(Q1)	—	—	D40B32	—	—
12	—	—	—	D40B12	—	35	D40Q35(Q1)	—	—	D40B35	T40Q35(Q1)	—
13	—	—	—	D40B13	—	36	D40Q36(Q1)	D40SK36	D40TB36	D40B36	T40Q36(Q1)	T40SK36
14	—	—	—	D40B14	—	40	D40Q40(Q1)	D40SK40	—	D40B40	—	—
15	D40H15	—	D40TBA15	D40B15	—	42	D40Q42(Q1)	D40SK42	D40TB42	D40B42	T40Q42(Q1)	T40SK42
16	D40H16	—	D40TBA16	D40B16	—	45	D40Q45(Q1)	D40SK45	—	D40B45	T40Q45(Q1)	T40SK45
17	D40H17	—	D40TBA17	D40B17		48	D40Q48(Q1)	D40SK48	D40TB48	D40B48	T40Q48(Q1)	T40SK48
18	D40P18(P1)	—	D40TB18	D40B18	T40P18(P1)	52	D40Q52(Q1)	D40SK52	D40TB52	D40B52	T40Q52(Q1)	T40SK52
19	D40P19(P1)	—	D40TB19	D40B19	T40P19(P1)	54	D40Q54(Q1)	D40SK54	—	D40B54	T40Q54(Q1)	—
20	D40P20(P1)	—	D40TB20	D40B20	T40P20(P1)	60	D40Q60(Q1)	D40SK60	D40TB60	D40B60	T40Q60(Q1)	T40SK60
21	D40P21(P1)	—	D40TB21	D40B21	—	68	D40Q68(Q1)	D40SF68	D40TB68	D40B68	T40Q68(Q1)	T40SF68
22	D40P22(P1)	—	—	D40B22	—	72	D40Q72(Q1)	D40SF72	—	D40B72	T40Q72(Q1)	T40SF72
23	D40P23(P1)	—	D40TB23	D40B23	T40P23(P1)	76	D40Q76(Q1)	D40SF76	D40TB76	D40B76	T40Q76(Q1)	—
24	D40P24(P1)	—	—	D40B24	T40P24(P1)	84	D40Q84(Q1)	D40SF84	D40TB84	D40B84	T40Q84(Q1)	T40SF84
25	D40P25(P1)	—	D40TB25	D40B25	T40P25(P1)	95	D40Q95(Q1)	D40SF95	—	—	T40Q95(Q1)	—
26	D40P26(P1)	—	—	D40B26	—	96	D40Q96(Q1)	D40SF96	—	D40B96	—	—
27	—	—	—	D40B27	T40P27(P1)	102	D40Q102(Q1)	—	—	D40B102	T40Q102(Q1)	—
28	D40P28(P1)	—	—	D40B28	—	112	D40Q112(Q1)	—	—	D40B112	—	—
30	D40P30(P1)	—	D40TB30	D40B30	T40Q30(Q1)							

Table No. 1

Stock Sprockets for No. 50 Single Roller Chain

No. of Teeth	Split Taper Bushing Hardened	Q-D Bushing Hardened	Taper Bore Bushing Hardened	Split Taper Bushing Type	Q-D Bushing Type	Taper Bore Bushing Type	Finished Bore Hardened	Finished Bore	Type "A" Plate	Minimum Bore
	Page H-22	Page H-23	Page H-58	Page H-22 & H-23	Page H-24	Page H-58	Page H-24	Page H-24	Page H-25	Page H-25 & H-26
8	—	—	—	—	—	—	—	—	—	50B8
9	—	—	—	—	—	—	H509	—	—	50B9
10	—	—	—	—	—	—	H5010	—	50A10	50B10
11	H50G11	—	—	—	—	—	H5011	—	50A11	50B11
12	H50G12	H50JA12	H50TB12	—	—	—	H5012	—	50A12	50B12
13	H50G13, H50H13	H50JA13	H50TB13	—	—	—	H5013	—	50A13	50B13
14	H50H14	H50JA14	H50TB14	—	—	—	H5014	—	50A14	50B14
15	H50H15, H50P15(P1)	H50JA15	H50TB15	—	—	—	H5015	—	50A15	50B15
16	H50H16, H50P16(P1)	H50JA16	H50TB16	—	—	—	H5016	—	50A16	50B16
17	H50H17, H50P17(P1)	H50SH17	H50TB17	—	—	—	H5017	—	50A17	50B17
18	H50H18, H50P18(P1)	H50SH18	H50TB18	—	—	—	H5018	—	50A18	50B18
19	H50H19, H50P19(P1)	H50SH19	H50TB19	—	—	—	H5019	—	50A19	50B19
20	H50H20, H50P20(P1)	H50SDS20	H50TB20	—	—	—	H5020	—	50A20	50B20
21	H50H21, H50P21(P1)	H50SDS21	H50TB21	—	—	—	H5021	—	50A21	50B21
22	H50H22, H50P22(P1)	H50SDS22	H50TB22	—	—	—	H5022	—	50A22	50B22
23	H50H23, H50P23, H50Q23	H50SDS23	H50TB23	—	—	—	H5023	—	50A23	50B23
24	H50H24, H50P24, H50Q24	H50SDS24	H50TB24	—	—	—	H5024	—	50A24	50B24
25	H50H25, H50P25, H50Q25	H50SDS25	H50TB25	—	—	—	H5025	—	50A25	50B25
26	H50H26, H50P26, H50Q26	H50SDS26	H50TB26	—	—	—	H5026	—	50A26	50B26
27	H50H27, H50P27, H50Q27	H50SDS27	H50TB27	—	—	—	H5027	—	50A27	50B27
28	H50H28, H50P28, H50Q28	H50SDS28	H50TB28	—	—	—	H5028	—	50A28	50B28
29	H50P29(P1)	—	—	—	—	—	H5029	—	50A29	50B29
30	H50H30, H50P30, H50Q30	H50SDS30	H50TB30	—	50SDS30	—	H5030	—	50A30	50B30
31	—	—	—	50P31(P1)	—	—	—	—	50A31	50B31
32	H50H32	—	—	50P32(P1), 50Q32(Q1)	50SDS32	50TB32	—	5032	50A32	50B32
33	H50H33	—	—	50P33(P1)	—	—	—	5033	50A33	50B33
34	H50H34	—	—	50P34(P1)	—	—	—	5034	50A34	50B34
35	H50H35	—	—	50P35(P1), 50Q35(Q1)	50SDS35	50TB35	—	5035	50A35	50B35
36	H50H36	—	—	50P36(P1), 50Q36(Q1)	50SDS36	50TB36	—	5036	50A36	50B36
37	—	—	—	50Q37(Q1)	—	—	—	—	50A37	—
38	H50H38	—	—	50Q38(Q1)	—	—	—	5038	50A38	50B38
39	—	—	—	50Q39(Q1)	—	—	—	5039	50A39	50B39
40	H50H40	—	—	50Q40(Q1)	50SDS40	50TB40	—	5040	50A40	50B40
41	—	—	—	50Q41(Q1)	—	—	—	5041	50A41	—
42	—	—	—	50Q42(Q1)	50SDS42	50TB42	—	5042	50A42	50B42
43	—	—	—	—	—	—	—	—	50A43	—
44	—	—	—	50Q44(Q1)	—	—	—	—	50A44	50B44
45	—	—	—	50Q45(Q1)	50SDS45	50TB45	—	5045	50A45	50B45
46	—	—	—	—	—	—	—	—	50A46	—
47	—	—	—	50Q47(Q1)	—	—	—	—	50A47	—
48	—	—	—	50Q48(Q1)	50SDS48	50TB48	—	5048	50A48	50B48
49	—	—	—	—	—	—	—	5049	50A49	—
50	—	—	—	50Q50(Q1)	—	—	—	5050	50A50	50B50
51	—	—	—	—	—	—	—	—	50A51	—
52	—	—	—	—	—	—	—	—	50A52	50B52
53	—	—	—	—	—	—	—	—	50A53	—
54	—	—	—	50Q54(Q1)	50SK54	50TB54	—	—	50A54	50B54
55	—	—	—	—	—	—	—	—	50A55	—
56	—	—	—	50Q56(Q1)	—	—	—	—	50A56	—
57	—	—	—	—	—	—	—	—	50A57	—
58	—	—	—	—	—	—	—	—	50A58	—
59	—	—	—	—	—	—	—	—	50A59	—
60	—	—	—	50Q60(Q1)	50SK60	50TB60	—	5060	50A60	50B60
70	—	—	—	50Q70(Q1)	50SK70	50TB70	—	—	50A70	50B70
72	—	—	—	50Q72(Q1)	50SK72	50TB72	—	—	50A72	50B72
76	—	—	—	—	—	—	—	—	50A76	50B76
80	—	—	—	50Q80(Q1)	50SF80	50TB80	—	—	50A80	50B80
84	—	—	—	50Q84(Q1)	50SF84	50TB84	—	—	50A84	50B84
95	—	—	—	—	—	—	—	—	50A95	50B95
96	—	—	—	50Q96(Q1)	50SF96	50TB96	—	—	50A96	50B96
112	—	—	—	50Q112(Q1)	50SF112	50TB112	—	—	50A112	50B112

Table No. 2

Stock Sprockets for No. 50 Double and Triple Roller Chain

No. of Teeth	Split Taper Bushing Type	Q-D Bushing Type	Taper Bore Bushing Type	Minimum Bore	Split Taper Bushing Type	Q-D Bushing Type	No. of Teeth	Split Taper Bushing Type	Q-D Bushing Type	Taper Bore Bushing Type	Minimum Bore	Split Taper Bushing Type	Q-D Bushing Type
	Page H-26	Page H-27	Page H-58	Page H-27	Page H-28	Page H-27		Page H-26	Page H-27	Page H-58	Page H-27	Page H-28	Page H-27
11	—	—	—	D50B11	—	—	32	D50Q32(Q1)	—	—	D50B32	T50Q32(Q1)	—
12	—	—	—	D50B12	—	—	35	D50Q35(Q1)	—	—	D50B35	T50Q35(Q1)	—
13	—	—	—	D50B13	—	—	36	D50Q36(Q1)	D50SK36	D50TB36	D50B36	T50Q36(Q1)	T50SK36
14	D50H14	—	D50TBA14	D50B14	—	—	40	D50Q40(Q1)	—	—	D50B40	T50Q40(Q1)	—
15	D50P15(P1)	—	D50TBA15	D50B15	T50P15(P2)	—	42	D50Q42(Q1)	D50SK42	D50TB42	D50B42	T50Q42(Q1)	T50SK42
16	D50P16(P1)	—	D50TBA16	D50B16	T50P16(P2)	—	45	D50Q45(Q1)	—	—	D50B45	—	—
17	D50P17(P1)	—	D50TBA17	D50B17	T50P17(P2)	—	48	D50Q48(Q1)	D50SK48	D50TB48	D50B48	T50Q48(Q1)	T50SK48
18	D50P18(P1)	—	D50TBA18	D50B18	T50P18(P2)	—	52	D50Q52(Q1)	D50SF52	D50TB52	D50B52	T50Q52(Q1)	T50SF52
19	D50P19(P1)	—	D50TBA19	D50B19	T50P19(P1)	—	54	D50Q54(Q1)	D50SF54	—	D50B54	—	—
20	D50P20(P1)	—	D50TB20	D50B20	T50P20(P1)	—	60	D50Q60(Q1)	D50SF60	D50TB60	D50B60	T50R60(R1)	T50SF60
21	D50P21(P1)	—	D50TB21	D50B21	T50P21(P1)	—	68	—	D50SF68	D50TB68	D50B68	T50R68(R1)	—
22	D50P22(P1)	—	—	D50B22	—	—	72	D50Q72(Q1)	D50SF72	—	D50B72	T50R72(R1)	T50SF72
23	D50P23(P1)	—	—	D50B23	T50P23(P1)	—	76	D50Q76(Q1)	D50SF76	D50TB76	D50B76	T50R76(R1)	
24	D50Q24(Q1)	—	—	D50B24	T50Q24(Q1)	—	84	D50Q84(Q1)	D50SF84	D50TB84	D50B84	T50R84(R1)	T50SF84
25	D50Q25(Q1)	—	D50TB25	D50B25	T50Q25(Q1)	—	95	D50R95(R1)	D50SF95	D50TB95	D50B95	T50R95(R1)	—
26	D50Q26(Q1)	—	—	D50B26	T50Q26(Q1)	—	96	D50R96(R1)	—	—	D50B96	—	—
27	D50Q27(Q1)	—	—	—	—	—	102	D50R102(R1)	D50SF102	—	D50B102	T50R102(R1)	T50SF102
28	D50Q28(Q1)	—	—	—	T50Q28(Q1)	—	112	D50R112(R1)	D50SF112	—	D50B112	—	—
30	D50Q30(Q1)	—	D50TB30	D50B30	T50Q30(Q1)	—							

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Table No. 1

Stock Sprockets for No. 60 Single Roller Chain

No. of Teeth	Split Taper Bushing Hardened	Q-D Bushing Hardened	Taper Bore Bushing Hardened	Split Taper Bushing Type	Q-D Bushing Type	Taper Bore Bushing Type	Finished Bore Hardened	Finished Bore	Type "A" Plate	Minimum Bore
	Page H-29	Page H-30	Page H-59	Page H-29	Page H-30	Page H-59	Page H-31	Page H-31	Page H-31	Page H-32
8	—	—	—	—	—	—	—	—	—	60B8
9	—	—	—	—	—	—	H609	—	—	60B9
10	H60G10	—	—	—	—	—	H6010	—	60A10	60B10
11	H60H11	H60JA11	H60TB11	—	—	—	H6011	—	60A11	60B11
12	H60H12	H60JA12	H60TB12	—	—	—	H6012	—	60A12	60B12
13	H60H13, H60P13(P1)	H60JA13	H60TB13	—	—	—	H6013	—	60A13	60B13
14	H60H14, H60P14(P1)	H60SH14	H60TB14	—	—	—	H6014	—	60A14	60B14
15	H60H15, H60P15(P1)	H60SH15	H60TB15	—	—	—	H6015	—	60A15	60B15
16	H60H16, H60P16(P1)	H60SH16	H60TB16	—	—	—	H6016	—	60A16	60B16
17	H60H17, H60P17(P1)	H60SDS17	H60TB17	—	—	—	H6017	—	60A17	60B17
18	H60H18, H60P18(P1)	H60SDS18	H60TB18	—	—	—	H6018	—	60A18	60B18
19	H60H19, H60P19(P1)	H60SDS19	H60TB19	—	—	—	H6019	—	60A19	60B19
20	H60H20, H60P20, H60Q20	H60SDS20	H60TB20	—	—	—	H6020	—	60A20	60B20
21	H60P21(P1), H60Q21(Q1)	H60SDS21	H60TB21	—	—	—	H6021	—	60A21	60B21
22	H60H22, H60P22, H60Q22	H60SDS22	H60TB22	—	—	—	H6022	—	60A22	60B22
23	H60P23(P1), H60Q23(Q1)	H60SDS23	H60TB23	—	—	—	H6023	—	60A23	60B23
24	H60H24, H60P24, H60Q24	H60SDS24	H60TB24	—	—	—	H6024	—	60A24	60B24
25	H60P25(P1), H60Q25(Q1)	H60SDS25	H60TB25	—	—	—	H6025	—	60A25	60B25
26	H60P26(P1), H60Q26(Q1)	H60SK26	H60TB26	—	—	—	H6026	—	60A26	60B26
27	H60P27(P1), H60Q27(Q1)	H60SK27	H60TB27	—	—	—	H6027	—	60A27	60B27
28	H60P28(P1), H60Q28(Q1)	H60SK28	H60TB28	—	—	—	H6028	—	60A28	60B28
29	H60Q29(Q1)	—	—	—	—	—	H6029	—	60A29	60B29
30	H60P30(P1), H60Q30(Q1)	H60SK30	H60TB30	—	60SK30	—	H6030	—	60A30	60B30
31	—	—	—	60Q31(Q1)	—	—	—	—	60A31	60B31
32	—	—	—	60Q32(Q1)	60SK32	60TB32	—	6032	60A32	60B32
33	—	—	—	60Q33(Q1)	—	—	—	—	60A33	60B33
34	—	—	—	60Q34(Q1)	—	—	—	—	60A34	60B34
35	—	—	—	60Q35(Q1)	60SK35	60TB35	—	6035	60A35	60B35
36	—	—	—	60Q36(Q1)	60SK36	60TB36	—	6036	60A36	60B36
37	—	—	—	60Q37(Q1)	—	—	—	—	60A37	60B37
38	—	—	—	60Q38(Q1)	—	—	—	—	60A38	60B38
39	—	—	—	60Q39(Q1)	—	—	—	—	60A39	60B39
40	—	—	—	60Q40(Q1)	60SK40	60TB40	—	6040	60A40	60B40
41	—	—	—	60Q41(Q1)	—	—	—	—	60A41	60B41
42	—	—	—	60Q42(Q1)	60SF42	60TB42	—	—	60A42	60B42
43	—	—	—	—	—	—	—	—	60A43	60B43
44	—	—	—	—	—	—	—	—	60A44	60B44
45	—	—	—	60Q45(Q1)	60SF45	60TB45	—	6045	60A45	60B45
46	—	—	—	—	—	—	—	6046	60A46	—
47	—	—	—	60Q47(Q1)	—	—	—	—	60A47	60B47
48	—	—	—	60Q48(Q1)	60SF48	60TB48	—	—	60A48	60B48
49	—	—	—	—	—	—	—	—	60A49	—
50	—	—	—	60Q50(Q1)	—	—	—	—	60A50	60B50
51	—	—	—	—	—	—	—	—	60A51	—
52	—	—	—	—	—	—	—	—	60A52	—
53	—	—	—	—	—	—	—	—	60A53	—
54	—	—	—	60Q54(Q1)	—	60TB54	—	—	60A54	60B54
55	—	—	—	—	—	—	—	—	60A55	—
56	—	—	—	60Q56(Q1)	—	—	—	—	60A56	60B56
57	—	—	—	—	—	—	—	—	60A57	—
58	—	—	—	—	—	—	—	—	60A58	—
59	—	—	—	—	—	—	—	—	60A59	—
60	—	—	—	60Q60(Q1)	60SF60	60TB60	—	—	60A60	60B60
64	—	—	—	—	—	—	—	—	60A64	60B64
65	—	—	—	—	—	—	—	—	60A65	60B65
66	—	—	—	—	—	—	—	—	60A66	—
68	—	—	—	—	—	—	—	—	60A68	60B68
70	—	—	—	60Q70(Q1), 60R70(R1)	60SF70	60TB70	—	—	60A70	60B70
72	—	—	—	60Q72(Q1), 60R72(R1)	60SF72	60TB72	—	—	60A72	60B72
76	—	—	—	—	—	—	—	6076	60A76	60B76
80	—	—	—	60Q80(Q1), 60R80(R1)	60SF80	60TB80	—	—	60A80	60B80
84	—	—	—	60Q84(Q1), 60R84(R1)	60SF84	60TB84	—	—	60A84	60B84
95	—	—	—	—	—	—	—	—	60A90	60B90
96	—	—	—	60Q96(Q1), 60R96(R1)	60SF96	—	—	—	60A96	60B96
112	—	—	—	60Q112(Q1), 60R112(R1)		—	—	—	60A112	60B112

Table No. 2

Stock Sprockets for No. 60 Double and Triple Roller Chain

No. of Teeth	Split Taper Bushing Type	Q-D Bushing Type	Taper Bore Bushing Type	Minimum Bore	Split Taper Bushing Type	Q-D Bushing Type	No. of Teeth	Split Taper Bushing Type	Q-D Bushing Type	Taper Bore Bushing Type	Minimum Bore	Split Taper Bushing Type	Q-D Bushing Type
	Page H-33	Page H-33	Page H-59	Page H-33 & H34	Page H-34	Page H-34		Page H-33	Page H-33	Page H-59	Page H-33 & H-34	Page H-34	Page H-34
11	—	—	—	D60B11	—	—	30	D60Q30(Q1)	—	D60TB30	D60B30	T60R30(R1)	—
12	—	—	—	D60B12	—	—	32	D60Q32(Q1)	—	—	D60B32	T60R32(R1)	—
13	D60P13(P1)	—	D60TB13	D60B13	T60P13(P2)	—	35	D60Q35(Q1)	—	—	D60B35	T60R35(R1)	—
14	D60P14(P1)	D60SH14	D60TB14	D60B14	T60P14(P2)	—	36	D60Q36(Q1)	D60SF36	D60TB36	D60B36	T60R36(R1)	T60E36
15	D60P15(P1)	—	D60TB15	D60B15	T60P15(P2)	—	40	D60Q40(Q1)	—	—	D60B40	T60R40(R1)	—
16	D60P16(P1)	—	D60TB16	D60B16	T60P16(P1)	—	42	D60Q42(Q1)	D60E42	D60TB42	D60B42	T60R42(R1)	T60E42
17	D60P17(P1)	—	D60TB17	D60B17	T60Q17(Q1)	—	—	D60R42(R1)	—	—	—	—	—
18	D60P18(P1)	—	D60TBA18	D60B18	T60Q18(Q1)	—	45	D60R45(R1)	D60E45	D60TB45	D60B45	—	—
19	D60P19(P1)	—	D60TBA19	D60B19	T60Q19(Q1)	—	48	D60R48(R1)	—	—	—	—	—
20	D60P20(P1)	—	D60TB20	D60B20	T60Q20(Q1)	—	52	D60R52(R1)	D60E52	D60TB52	D60B52	T60R52(R1)	T60E52
21	D60Q21(Q1)	—	D60TB21	D60B21	T60Q21(Q1)	—	54	D60R54(R1)	—	—	—	—	—
22	D60Q22(Q1)	D60SDS22	—	D60B22	T60Q22(Q1)	—	60	D60R60(R1)	D60E60	D60TB60	D60B60	—	—
23	D60Q23(Q1)	—	—	D60B23	T60Q23(Q1)	—	68	D60R68(R1)	D60E68	D60TB68	D60C68	T60S68(S1)	T60E68
24	D60Q24(Q1)	—	—	D60B24	T60Q24(Q1)	—	72	D60R72(R1)	—	—	D60C72	—	—
25	D60Q25(Q1)	—	D60TB25	D60B25	T60Q25(Q1)	—	76	D60R76(R1)	D60E76	D60TB76	D60C76	T60S76(S1)	T60E76
26	D60Q26(Q1)	—	—	D60B26	T60Q26(Q1)	—	84	D60R84(R1)	—	—	—	—	—
27	D60Q27(Q1)	—	—	—	T60Q27(Q1)	—	95	D60R95(R1)	D60E95	D60TB95	D60C95	T60S95(S1)	T60E95
28	D60Q28(Q1)	—	—	—	T60Q28(Q1)	—	96	D60R96(R1)	—	—	—	—	—

Table No. 1

Stock Sprockets for No. 80 Single Roller Chain

No. of Teeth	Split Taper Bushing Hardened	Q-D Bushing Hardened	Taper Bore Bushing Hardened	Split Taper Bushing Type	Q-D Bushing Type	Taper Bore Bushing Type	Finished Bore Hardened	Finished Bore	Type "A" Plate	Minimum Bore
	Page H-35	Page H-36	Page H-60	Page H-35	Page H-36	Page H-60	Page H-36	Page H-36	Page H-37	Page H-38 & H-38
8	—	—	—	—	—	—	—	—	—	80B8
9	—	—	—	—	—	—	H809	—	80A9	80B9
10	—	—	H80TB10	—	—	—	H8010	—	80A10	80B10
11	H80H11, H80P11(P1)	H80SH11	H80TB11	—	—	—	H8011	—	80A11	80B11
12	H80P12(P1)	H80SH12	H80TB12	—	—	—	H8012	—	80A12	80B12
13	H80P13(P1)	H80SDS13	H80TB13	—	—	—	H8013	—	80A13	80B13
14	H80P14(P1), H80Q14(Q1)	H80SDS14	H80TB14	—	—	—	H8014	—	80A14	80B14
15	H80P15(P1), H80Q15(Q1)	H80SK15	H80TB15	—	—	—	H8015	—	80A15	80B15
16	H80P16(P1), H80Q16(Q1)	H80SK16	H80TB16	—	—	—	H8016	—	80A16	80B16
17	H80P17(P1), H80Q17(Q1)	H80SK17	H80TB17	—	—	—	H8017	—	80A17	80B17
18	H80P18(P1), H80Q18(Q1)	H80SK18	H80TB18	—	—	—	H8018	—	80A18	80B18
19	H80P19(P1), H80Q19(Q1)	H80SK19	H80TB19	—	—	—	H8019	—	80A19	80B19
20	H80Q20(Q1)	H80SF20	H80TB20	—	—	—	H8020	—	80A20	80B20
21	H80Q21(Q1)	H80SF21	H80TB21	—	—	—	H8021	—	80A21	80B21
22	H80Q22(Q1)	H80SF22	H80TB22	—	—	—	H8022	—	80A22	80B22
23	H80Q23(Q1)	H80SF23	H80TB23	—	—	—	H8023	—	80A23	80B23
24	H80Q24(Q1)	H80SF24	H80TB24	—	—	—	H8024	—	80A24	80B24
25	H80Q25(Q1)	H80SF25	H80TB25	—	—	—	H8025	—	80A25	80B25
26	H80Q26(Q1)	H80SF26	H80TB26	—	—	—	H8026	—	80A26	80B26
27	H80Q27(Q1)	H80SF27	H80TB27	—	—	—	H8027	—	80A27	80B27
28	H80Q28(Q1)	H80SF28	H80TB28	—	—	—	H8028	—	80A28	80B28
29	H80Q29(Q1)	—	—	—	—	—	H8029	—	80A29	80B29
30	H80Q30(Q1)	H80SF30	H80TB30	—	80SF30	—	H8030	—	80A30	80B30
31	—	—	—	80Q31(Q1)	—	—	—	—	80A31	80B31
32	—	—	—	80Q32(Q1)	80SF32	80TB32	—	8032	80A32	80B32
33	—	—	—	80Q33(Q1)	80SF33	—	—	—	80A33	80B33
34	—	—	—	80Q34(Q1)	80SF34	—	—	—	80A34	80B34
35	—	—	—	80Q35(Q1)	80SF35	80TB35	—	8035	80A35	80B35
36	—	—	—	80Q36(Q1)	80SF36	80TB36	—	8036	80A36	80B36
37	—	—	—	80Q37(Q1)	—	—	—	—	80A37	80B37
38	—	—	—	80Q38(Q1)	—	—	—	—	80A38	80B38
39	—	—	—	80R39(R1)	—	—	—	—	80A39	80B39
40	—	—	—	80Q40(Q1), 80R40(R1)	80SF40	80TB40	—	—	80A40	80B40
41	—	—	—	80R41(R1)	—	—	—	—	80A41	80B41
42	—	—	—	80Q42(Q1), 80R42(R1)	80SF42	—	—	—	80A42	80B42
43	—	—	—	—	—	—	—	—	80A43	—
44	—	—	—	80R44(R1)	—	—	—	—	80A44	80B44
45	—	—	—	80Q45(Q1), 80R45(R1)	80SF45	80TB45	—	—	80A45	80B45
46	—	—	—	—	—	—	—	—	80A46	80B46
47	—	—	—	—	—	—	—	—	80A47	80B47
48	—	—	—	80Q48(Q1), 80R48(R1)	80SF48	80TB48	—	—	80A48	80B48
49	—	—	—	—	—	—	—	—	80A49	80B49
50	—	—	—	80R50(R1)	—	—	—	—	80A50	80B50
51	—	—	—	—	—	—	—	—	80A51	—
52	—	—	—	—	—	—	—	—	80A52	—
53	—	—	—	—	—	—	—	—	80A53	—
54	—	—	—	80Q54(Q1), 80R54(R1)	—	80TB54	—	—	80A54	80B54
55	—	—	—	—	—	—	—	—	80A55	—
56	—	—	—	80R56(R1)	—	—	—	—	80A56	—
57	—	—	—	—	—	—	—	—	80A57	—
58	—	—	—	—	—	—	—	—	80A58	—
59	—	—	—	—	—	—	—	—	80A59	—
60	—	—	—	80Q60(Q1), 80R60(R1)	—	80TB60	—	—	80A60	80B60
65	—	—	—	—	—	—	—	—	80A65	80B65
70	—	—	—	80Q70(Q1), 80R70(R1)	80E70	80TB70	—	—	80A70	80C70
72	—	—	—	80Q72(Q1), 80R72(R1)	80E72	—	—	—	80A72	80C72
76	—	—	—	—	—	—	—	—	80A76	80C76
80	—	—	—	80R80(R1)	—	80TB80	—	—	80A80	80C80
84	—	—	—	80R84(R1)	—	—	—	—	80A84	—
90	—	—	—	—	—	—	—	—	80A90	80C90
96	—	—	—	80R96(R1)	80E96	—	—	—	80A96	80C96
112	—	—	—	80S112(S1)	80F112	—	—	—	80A112	80C112

Table No. 2

Stock Sprockets for No. 80 Double and Triple Roller Chain

No. of Teeth	Split Taper Bushing Type	Q-D Bushing Type	Taper Bore Bushing Type	Minimum Bore	Split Taper Bushing Type	Q-D Bushing Type	No. of Teeth	Split Taper Bushing Type	Q-D Bushing Type	Taper Bore Bushing Type	Minimum Bore	Split Taper Bushing Type	Q-D Bushing Type
	Page H-38 & H-39	Page H-39	Page H-60	Page H-39	Page H-40	Page H-40		Page H-38 & H-39	Page H-39	Page H-60	Page H-39	Page H-40	Page H-40
10	—	—	—	D80B10	—	—	27	D80R27(R1)	—	—	—	T80R27(R1)	—
11	—	—	—	D80B11	—	—	28	D80R28(R1)	—	—	—	T80R28(R1)	—
12	—	—	—	D80B12	—	—	30	D80R30(R1)	—	D80TB30	D80B30	T80R30(R1)	—
13	D80P13(P1)	—	D80TBA13	D80B13	T80P13(P2)	—	32	—	—	—	D80B32	—	—
14	D80Q14(Q2)	—	D80TBA14	D80B14	T80Q14(Q2)	—	35	—	—	—	D80B35	—	—
15	D80Q15(Q2)	—	D80TBA15	D80B15	T80Q15(Q2)	—	36	D80R36(R1)	D80E36	D80TB36	D80B36	T80S36(S1)	T80E36
16	D80Q16(Q1)	—	D80TBA16	D80B16	T80Q16(Q2)	—	40	—	—	—	D80B40	—	—
17	D80Q17(Q1)	—	D80TBA17	D80B17	T80Q17(Q2)	—	42	D80R42(R1)	D80E42	D80TB42	D80B42	T80S42(S1)	T80E42
18	D80Q18(Q1)	—	D80TBA18	D80B18	—	—	45	D80R45(R1)	D80E45	D80TB45	D80B45	T80S45(S1)	T80E45
19	D80Q19(Q2)	—	D80TB19	D80B19	T80Q19(Q2)	—	48	D80R48(R2)	—	—	—	—	—
20	D80R20(R1)	—	D80TB20	D80B20	T80R20(R1)	—	52	D80R52(R2)	D80E52	D80TB52	D80C52	T80U52(U0)	T80E52
21	D80R21R1)	—	D80TB21	D80B21	T80R21(R1)	—	54	D80R54(R2)	—	—	—	—	—
22	D80R22(R1)	—	—	D80B22	T80R22(R1)	—	60	D80R60(R2)	D80E60	D80TB60	D80C60	T80U60(U0)	T80F60
23	D80R23(R1)	—	—	D80B23	T80R23(R1)	—	68	D80R68(R2)	D80E68	D80TB68	D80C68	T80U68(U0)	T80F68
24	D80R24(R1)	—	—	D80B24	T80R24(R1)	—	72	D80R72(R2)	—	—	—	—	—
25	D80R25(R1)	—	D80TB25	D80B25	T80R25(R1)	—	76	D80U76(U0)	D80E76	D80TB76	D80C76	T80U76(U0)	T80F76
26	D80R26(R1)	—	—	D80B26	T80R26(R1)	—	95	D80U95(U0)	—	—	D80C95	T80U95(U0)	T80F95

H

Table No. 1

Stock Sprockets for No. 100 Single Roller Chain

No. of Teeth	Split Taper Bushing Hardened	Q-D Bushing Hardened	Taper Bore Bushing Hardened	Split Taper Bushing Type	Q-D Bushing Type	Taper Bore Bushing Type	Type "A" Plate	Minimum Bore
	Page H-41	Page H-42	Page H-61	Page H-41	Page H-42	Page H-61	Page H-42	Page H-43
7	—	—	—	—	—	—	100A7	—
8	—	—	—	—	—	—	100A8	100B8
9	—	—	—	—	—	—	100A9	100B9
10	—	—	—	—	—	—	100A10	100B10
11	H100P11(P1)	H100SDS11	H100TB11	—	—	—	100A11	100B11
12	H100Q12(Q1)	H100SDS12	H100TB12	—	—	—	100A12	100B12
13	H100Q13(Q1)	H100SK13	H100TB13	—	—	—	100A13	100B13
14	H100Q14(Q1)	H100SK14	H100TB14	—	—	—	100A14	100B14
15	H100Q15(Q1)	H100SF15	H100TB15	—	—	—	100A15	100B15
16	H100Q16(Q1)	H100SF16	H100TB16	—	—	—	100A16	100B16
17	H100Q17(Q1)	H100SF17	H100TB17	—	—	—	100A17	100B17
18	H100Q18(Q1)	H100E18	H100TB18	—	—	—	100A18	100B18
19	H100Q19(Q1)	H100E19	H100TB19	—	—	—	100A19	100B19
20	H100Q20(Q1)	H100E20	H100TB20	—	—	—	100A20	100B20
21	H100Q21(Q1)	H100E21	H100TB21	—	—	—	100A21	100B21
22	H100Q22(Q1)	H100E22	H100TB22	—	—	—	100A22	100B22
23	H100Q23(Q1)	H100E23	—	—	—	—	100A23	100B23
24	H100Q24(Q1), H100R24(R1)	H100E24	H100TB24	—	—	—	100A24	100B24
25	H100Q25(Q1)	H100E25	—	—	—	—	100A25	100B25
26	H100Q26(Q1) H100R26(R1)	H100E26	H100TB26	—	—	—	100A26	100B26
27	H100R27(R1)	H100E27	—	—	—	—	100A27	100B27
28	H100Q28(Q1)	H100E28	H100TB28	—	—	—	100A28	100B28
29	—	—	—	—	—	—	100A29	100B29
30	H100Q30(Q1)	H100E30	H100TB30	—	—	—	100A30	100B30
31	—	—	—	—	—	—	100A31	—
32	—	—	—	100Q32(Q1), 100R32(R1)	100E32	100TB32	100A32	100B32
33	—	—	—	—	—	—	100A33	—
34	—	—	—	—	—	—	100A34	—
35	—	—	—	100Q35(Q1), 100R35(R1)	100E35	100TB35	100A35	100B35
36	—	—	—	100R36(R1)	100E36	100TB36	100A36	100B36
37	—	—	—	—	—	—	100A37	—
38	—	—	—	—	—	—	100A38	—
39	—	—	—	—	—	—	100A39	100B39
40	—	—	—	100R40(R1)	100E40	100TB40	100A40	100B40
41	—	—	—	—	—	—	100A41	—
42	—	—	—	100R42(R1)	100E42	—	100A42	100B42
43	—	—	—	—	—	—	100A43	—
44	—	—	—	—	—	—	100A44	—
45	—	—	—	100R45(R1)	100E45	100TB45	100A45	100B45
46	—	—	—	—	—	—	100A46	—
47	—	—	—	—	—	—	100A47	—
48	—	—	—	100R48(R1)	100E48	100TB48	100A48	100B48
49	—	—	—	—	—	—	100A49	—
50	—	—	—	—	—	—	100A50	—
51	—	—	—	—	—	—	100A51	—
52	—	—	—	—	—	—	100A52	—
53	—	—	—	—	—	—	100A53	—
54	—	—	—	—	100E54	100TB54	100A54	100C54
55	—	—	—	—	—	—	100A55	—
56	—	—	—	—	—	—	100A56	—
57	—	—	—	—	—	—	100A57	—
58	—	—	—	—	—	—	100A58	—
59	—	—	—	—	—	—	100A59	—
60	—	—	—	100R60(R1)	100E60	100TB60	100A60	100C60
70	—	—	—	100R70(R1)	100F70	—	100A70	100C70
72	—	—	—	100R72(R1)	100F72	—	100A72	100C72
76	—	—	—	—	—	—	100A76	100C76
80	—	—	—	100R80(R1)	100F80	—	100A80	100C80
84	—	—	—	100R84(R1)	100F84	—	100A84	100C84
90	—	—	—	—	—	—	100A90	100C90
96	—	—	—	—	—	—	100A96	100C96

Table No. 2

Stock Sprockets for No. 100 Double and Triple Roller Chain

No. of Teeth	Split Taper Bushing Type	Q-D Bushing Type	Minimum Bore	Q-D Bushing Type	No. of Teeth	Split Taper Bushing Type	Q-D Bushing Type	Minimum Bore	Q-D Bushing Type
	Page H-43	Page H-44	Page H-44	Page H-44		Page H-43	Page H-44	Page H-44	Page H-44
9	—	—	D100B9	—	21	D100R21(R1)	—	D100B21	—
10	—	—	D100B10	—	22	D100R22(R1)	—	D100B22	—
11	D100P11(P1)	—	D100B11	—	23	—	—	D100B23	—
12	D100Q12(Q2)	—	D100B12	—	24	D100R24(R1)	—	D100B24	—
13	D100Q13(Q2)	—	D100B13	—	25	—	—	D100B25	—
14	D100Q14(Q1)	—	D100B14	—	26	—	—	D100B26	—
15	D100Q15(Q1)	—	D100B15	—	30	—	—	D100B30	—
16	D100Q17(Q1)	—	D100B16	—	35	D100R35(R1)	D100F35	D100C35	T100F35
17	D100R17(R1)	—	D100B17	—	45	D100S45(S1)	D100F45	D100C45	T100F45
18	D100R18(R1)	—	D100B18	—	60	D100S60(S1)	D100J60	D100C60	T100J60
19	D100R19(R1)	—	D100B19	—	70	D100S70(S1)	D100J70	D100C70	T100J70
20	D100R20(R1)	—	D100B20	—	80	D100S80(S1)	D100J80	D100C80	T100J80

Table No. 1

Stock Sprockets for No. 120 Single Roller Chain

No. of Teeth	Split Taper Bushing Hardened	Q-D Bushing Hardened	Taper Bore Bushing Hardened	Split Taper Bushing Type	Q-D Bushing Type	Taper Bore Bushing Type	Type "A" Plate	Minimum Bore
	Page H-45	Page H-46	Page H-62	Page H-45	Page H-46	Page H-62	Page H-46	Page H-47
8	—	—	—	—	—	—	120A8	—
9	—	—	—	—	—	—	120A9	120B9
10	—	—	—	—	—	—	120A10	120B10
11	H120Q11(Q1)	—	—	—	—	—	120A11	120B11
12	H120Q12(Q1)	H120SF12	H120TB12	—	—	—	120A12	120B12
13	H120Q13(Q1)	H120SF13	H120TB13	—	—	—	120A13	120B13
14	H120Q14(Q1)	H120SF14	H120TB14	—	—	—	120A14	120B14
15	H120Q15(Q1)	H120SF15	H120TB15	—	—	—	120A15	120B15
16	H120R16(R1)	H120E16	H120TB16	—	—	—	120A16	120B16
17	H120R17(R1)	H120E17	H120TB17	—	—	—	120A17	120B17
18	H120R18(R1)	H120E18	H120TB18	—	—	—	120A18	120B18
19	H120R19(R1)	H120E19	H120TB19	—	—	—	120A19	120B19
20	H120R20(R1)	H120E20	H120TB20	—	—	—	120A20	120B20
21	H120R21(R1)	H120E21	H120TB21	—	—	—	120A21	120B21
22	H120R22(R1)	H120E22	—	—	—	—	120A22	120B22
23	H120R23(R1)	H120E23	—	—	—	—	120A23	120B23
24	H120R24(R1)	H120E24	H120TB24	—	—	—	120A24	120B24
25	H120R25(R1)	H120E25	—	—	—	—	120A25	120B25
26	H120R26(R1)	H120E26	H120TB26	—	—	—	120A26	120B26
27	—	—	—	—	—	—	120A27	—
28	H120R28(R1)	H120E28	—	—	—	—	120A28	120B28
30	H120R30(R1)	H120E30	H120TB30	—	—	—	120A30	120B30
32	—	—	—	120R32(R1)	120F32	—	120A32	120B32
34	—	—	—	—	—	—	120A34	—
35	—	—	—	120R35(R2)	120F35	120TB35	120A35	120B35
36	—	—	—	120R36(R2)	120F36	120TB36	120A36	120B36
40	—	—	—	120R40 (R2), 120S40(S1)	120F40	—	120A40	120C40
42	—	—	—	120S42(S1)	120F42	—	120A42	120C42
45	—	—	—	120R45(R2), 120S45(S1)	120F45	120TB45	120A45	120C45
48	—	—	—	120S48(S1)	120F48	—	120A48	120C48
54	—	—	—	120S54(S1)	120F54	—	120A54	120C54
60	—	—	—	120R60(R2), 120S60(S1)	120J60	120TB60	120A60	120C60
70	—	—	—	120R70(R2), 120S70(S2)	120J70	120TB70	120A70	120C70
80	—	—	—	120R80(R2), 120S80(S2)	120J80	120TB80	120A80	120C80
90	—	—	—	—	—	—	120A90	—

Table No. 2

Stock Sprockets for No. 120 Double Chain

No. of Teeth	Split Taper Bushing Type	Q-D Bushing Type	Minimum Bore	No. of Teeth	Split Taper Bushing Type	Q-D Bushing Type	Minimum Bore
	Page H-47	Page H-47	Page H-48		Page H-47	Page H-47	Page H-48
11	—	—	D120B11	21	—	—	D120B21
12	—	—	D120B12	22	—	—	D120B22
13	—	—	D120B13	23	—	—	D120B23
14	—	—	D120B14	24	—	—	D120B24
15	—	—	D120B15	25	—	—	D120B25
16	—	—	D120B16	26	—	—	D120B26
17	—	—	D120B17	30	D120S30(S1)	D120J30	D120B30
18	—	—	D120B18	35	D120S35(S1)	D120J35	D120C35
19	—	—	D120B19	45	D120S45(S2)	D120J45	D120C45
20	—	—	D120B20	60	D120U60(U0)	—	D120C60

Table No. 3

Stock Sprockets for No. 140 Single and Double Roller Chain

No. of Teeth	Split Taper Bushing Hardened	Q-D Bushing Hardened	Taper Bore Bushing Hardened	Split Taper Bushing Type	Q-D Bushing Type	Taper Bore Bushing Type	Type "A" Plate	Minimum Bore	Q-D Bushing Type	Minimum Bore
	Page. H-48	Page H-49	Page H-62	Page H-48	Page H-49	Page H-62	Page H-50	Page H-50	Page H-50	Page H-51
11	H140Q11(Q1)	H140SF11	—	—	—	—	140A11	140B11	—	—
12	H140Q12(Q1)	H140SF12	H140TB12	—	—	—	140A12	140B12	—	—
13	H140R13(R1)	H140SF13	H140TB13	—	—	—	140A13	140B13	—	D140B13
14	H140R14(R1)	H140E14	H140TB14	—	—	—	140A14	140B14	—	D140B14
15	H140R15(R1)	H140E15	H140TB15	—	—	—	140A15	140B15	—	D140B15
16	H140R16(R1)	H140E16	H140TB16	—	—	—	140A16	140B16	—	D140B16
17	H140R17(R1)	H140E17	H140TB17	—	—	—	140A17	140B17	—	D140B17
18	H140R18(R1)	H140E18	H140TB18	—	—	—	140A18	140B18	—	D140B18
19	H140R19(R1)	H140E19	H140TB19	—	—	—	140A19	140B19	—	D140B19
20	H140R20(R1)	H140E20	—	—	—	—	140A20	140B20	—	D140B20
21	H140R21(R1)	—	H140TB21	—	—	—	140A21	140B21	—	D140B21
22	H140R22(R1)	—	—	—	—	—	140A22	140B22	—	D140B22
23	H140R23(R1)	H140F23	—	—	—	—	140A23	140B23	—	D140B23
24	H140R24(R1)	H140F24	—	—	—	—	140A24	140B24	—	D140B24
25	H140R25(R1)	H140F25	—	—	—	—	140A25	140B25	—	D140B25
26	H140R26(R1)	H140F26	H140TB26	—	—	—	140A26	140B26	—	D140B26

Table No. 1

Stock Sprockets for No. 140 Single and Double Roller Chain (Continued)

No of Teeth	Split Taper Bushing Hardened	Q-D Bushing Hardned	Taper Bore Bushing Hardned	Split Taper Bushing Type	Q-D Bushing Type	Taper Bore Bushing Type	Type"A" Plate	Minimum Bore	Q-D Bushing Type	Minimum Bore
	Page H-48	Page H-49	Page H-62	Page H-48 & H-49	Page H-49	Page H-62	Page H-50	Page H-50	Page H-50	Page H-51
27	—	—	—	—	—	—	140A27	140B27	—	—
28	—	—	—	—	—	—	140A28	140B28	—	—
30	H140R30(R2)	H140F30	—	—	—	—	140A30	140B30	—	—
31	—	—	—	—	—	—	140A31	—	—	—
32	—	—	—	—	—	—	140A32	140B32	—	—
35	—	—	—	140R35(R2)	140F35	140TB35	140A35	140C35	D140J35	D140C35
36	—	—	—	140R36(R2)	140F36	140TB36	140A36	—	—	—
	—	—	—	140S36(S1)	—	—	—	—	—	
40	—	—	—	140R40(R2)	140J40	—	140A40	140C40	—	—
	—	—	—	140S40(S1)	—	—	—	—	—	—
45	—	—	—	140S45(S1)	140J45	140TB45	140A45	140C45	D140J45	D140C45
48	—	—	—	140S48(S2)	140J48	—	140A48	140C48	—	—
54	—	—	—	140S54(S2)	—	—	140A54	140C54	—	—
60	—	—	—	140S60(S2)	140J60	140TB60	140A60	140C60	D140M60	D140C60
70	—	—	—	140S70(S2)	—	140TB70	140A70	140C70	—	—
80	—	—	—	140S80(S2)	—	—	140A80	140C80	—	—

Table No. 2

Stock Sprockets for No. 160 Single and Double Roller Chain

No of Teeth	Split Taper Bushing Hardened	Q-D Bushing Hardned	Taper Bore Bushing Hardned	Split Taper Bushing Type	Q-D Bushing Type	Taper Bore Bushing Type	Type"A" Plate	Minimum Bore	Q-D Bushing Type	Minimum Bore
	Page H-51	Page H-52	Page H-63	Page H-51	Page H-52	Page H-63	Page H-52	Page H-53	Page H-53	Page H-53
8	—	—	—	—	—	—	160A8	160B8	—	—
9	—	—	—	—	—	—	160A9	160B9	—	—
10	—	—	—	—	—	—	160A10	160B10	—	—
11	H160R11(R1)	—	H160TB11	—	—	—	160A11	160B11	—	—
12	H160R12(R1)	H160E12	H160TB12	—	—	—	160A12	160B12	—	—
13	H160R13(R1)	H160E13	H160TB13	—	—	—	160A13	160B13	—	D160B13
14	H160R14(R1)	H160E14	H160TB14	—	—	—	160A14	160B14	—	D160B14
15	H160R15(R1)	H160F15	H160TB15	—	—	—	160A15	160B15	—	D160B15
16	H160R16(R1)	H160F16	H160TB16	—	—	—	160A16	160B16	—	D160B16
17	H160R17(R1)	H160F17	H160TB17	—	—	—	160A17	160B17	—	D160B17
18	H160R18(R1)	H160F18	H160TB18	—	—	—	160A18	160B18	—	D160B18
19	H160R19(R1)	H160F19	H160TB19	—	—	—	160A19	160B19	—	D160B19
20	H160R20(R2)	H160F20	H160TB20	—	—	—	160A20	160B20	—	D160B20
21	H160R21(R2)	H160F21	H160TB21	—	—	—	160A21	160B21	—	D160B21
22	H160R22(R2)	H160F22	—	—	—	—	160A22	160B22	—	D160B22
23	H160R23(R2)	H160F23	—	—	—	—	160A23	160B23	—	D160B23
24	H160R24(R2)	H160F24	H160TB24	—	—	—	160A24	160B24	—	—
25	H160R25(R2)	H160F25	—	—	—	—	160A25	160B25	—	D160B25
26	H160S26(S1)	H160J26	H160TB26	—	—	—	160A26	160B26	—	D160B26
27	—	—	—	—	—	—	160A27	160B27	—	—
28	H160S28(S2)	H160J28	—	—	—	—	160A28	160B28	—	—
30	H160S30(S2)	H160J30	—	—	—	—	160A30	160B30	—	—
	—	—	—	160S30(S2)	—	—	—	—	—	—
35	—	—	—	160S35(S2)	160J35	160TB35	160A35	160C35	D160M35	D160C35
36	—	—	—	—	—	160TB36	—	—	—	—
40	—	—	—	160S40(S2)	160M40	—	160A40	160C40	—	—
45	—	—	—	160S45(S2)	160M45	160TB45	160A45	160C45	D160N45	D160C45
54	—	—	—	160S54(S2)	160M54	—	160A54	160C54	—	—
60	—	—	—	160U60(U0)	160M60	160TB60	160A60	160C60	D160N60	D160C60
70	—	—	—	160U70(U0)	—	—	160A70	160C70	—	—
80	—	—	—	160U80(U1)	—	—	160A80	160C80	—	—

Table No. 3

Stock Sprockets for No. 200 Single and Double Roller Chain

No. of Teeth	Split Taper Bushing Type	Q-D Bushing Type	Type "A" Plate	Minimum Bore	Double Minimum Bore	No. of Teeth	Split Taper Bushing Type	Q-D Bushing Type	Type "A" Plate	Minimum Bore	Double Minimum Bore
	Page H-54	Page H-54	Page H-55	Page H-55	Page H-55		Page H-54	Page H-54	Page H-55	Page H-55	Page H-55
10	—	—	200A10	200B10	—	23	200U23(U0)	—	200A23	200B23	D200B23
11	—	—	200A11	200B11	D200B11	24	200U24(U0)	200M24	200A24	200B24	D200B24
12	200R12(R2)	200F12	200A12	200B12	D200B12	25	200U25(U0)	200M25	200A25	200B25	D200B25
13	200S13(S2)	200J13	200A13	200B13	D200B13	26	200U26(U0)	200M26	200A26	200C26	D200B26
14	200S14(S2)	200J14	200A14	200B14	D200B14	28	200U28(U0)	200M28	200A28	200C28	—
15	200S15(S2)	200J15	200A15	200B15	D200B15	30	200U30(U0)	—	200A30	200C30	—
16	200S16(S2)	200J16S	200A16	200B16	D200B16	32	200U32(U0)	—	200A32	200C32	—
17	200S17(S2)	200M17	200A17	200B17	D200B17	35	200U35(U1)	200M35	200A35	200C35	—
18	200U18(U0)	200M18	200A18	200B18	D200B18	40	200U40(U1)	200M40	200A40	200C40	—
19	200U19(U0)	—	200A19	200B19	D200B19	45	200U45(U1)	200N45	200A45	200C45	D200C45
20	200U20(U0)	—	200A20	200B20	D200B20	54	200U54(U2)	200N54	200A54	200C54	—
21	200U21(U0)	200M21	200A21	200B21	D200B21	60	200U60(U2)	—	200A60	200C60	D200C60
22	200U22(U0)	—	200A22	200B22	D200B22	—	—	—	—	—	—

Sprockets for No. 25, 1/4" Pitch ANSI Chain

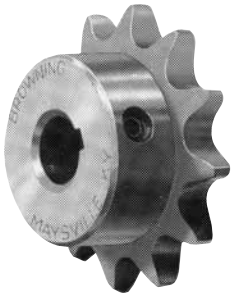
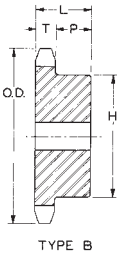


Table No. 1 **Steel Type "B" Minimum Bore Sprockets**

Part No.	DIAMETERS		No. Teeth	Type	Bore		DIMENSIONS				Wt. Lbs
	Outside	Pitch			Stock	Max. *	T Nom.	L Max.	P	H	
25B9	.84"	.731"	9	B	1/4"	1/4"	.110"	1/2"	25/64"	7/16"	.03
25B10	.92	.809	10	B	1/4	1/4	.110	1/2	25/64	1/2	.05
25B11	.99	.887	11	B	1/4	5/16	.110	1/2	25/64	9/16	.05
25B12	1.08	.966	12	B	1/4	3/8	.110	1/2	25/64	5/8	.06
25B13	1.17	1.045	13	B	1/4	7/16	.110	1/2	25/64	23/32	.06
25B14	1.24	1.124	14	B	1/4	9/16	.110	1/2	25/64	13/16	.08
25B15	1.33	1.203	15	B	1/4	9/16	.110	1/2	25/64	57/64	.10
25B16	1.41	1.282	16	B	1/4	9/16	.110	1/2	25/64	31/32	.11
25B17	1.49	1.361	17	B	1/4	5/8	.110	1/2	25/64	1 1/32	.13
25B18	1.57	1.440	18	B	1/4	3/4	.110	1/2	25/64	1 1/8	.15
25B19	1.65	1.519	19	B	1/4	13/16	.110	1/2	25/64	1 7/32	.18
25B20	1.73	1.598	20	B	1/4	7/8	.110	5/8	33/64	1 9/32	.24
25B21	1.81	1.678	21	B	1/4	7/8	.110	5/8	33/64	1 3/8	.28
25B22	1.89	1.757	22	B	1/4	15/16	.110	5/8	33/64	1 7/16	.30
25B23	1.97	1.836	23	B	1/4	1	.110	5/8	33/64	1 1/2	.33
25B24	2.05	1.915	24	B	3/8	1	.110	5/8	33/64	1 1/2	.33
25B25	2.13	1.995	25	B	3/8	1	.110	5/8	33/64	1 1/2	.34
25B26	2.21	2.074	26	B	3/8	1	.110	5/8	33/64	1 1/2	.34
25B28	2.37	2.233	28	B	3/8	1	.110	5/8	33/64	1 1/2	.36
25B30	2.53	2.392	30	B	3/8	1	.110	5/8	33/64	1 1/2	.38
25B32	2.69	2.551	32	B	3/8	1	.110	5/8	33/64	1 1/2	.40
25B36	3.01	2.869	36	B	3/8	1	.110	5/8	33/64	1 1/2	.44
25B40	3.33	3.187	40	B	1/2	1 3/8	.110	3/4	41/64	2	.78
25B45	3.73	3.584	45	B	1/2	1 3/8	.110	3/4	41/64	2	.84
25B48	3.96	3.823	48	B	1/2	1 3/8	.110	3/4	41/64	2	.89
25B54	4.44	4.300	54	B	1/2	1 3/8	.110	3/4	41/64	2	1.29
25B60	4.92	4.777	60	B	1/2	1 3/8	.110	3/4	41/64	2	1.51
25B70	5.72	5.572	70	B	1/2	1 3/8	.110	3/4	41/64	2	1.91
25B72	5.88	5.732	72	B	1/2	1 3/8	.110	3/4	41/64	2	2.00



TYPE B

***Maximum bore shown will accommodate standard keyway and setscrews over keyway. Slightly larger bores are possible with no keyway, shallow keyway or setscrew at angle to keyway.**

Type "B" Sprockets are made with minimum bore, no keyseat and no setscrew. They can be bored to size with keyseat and setscrew for a reasonable extra charge.

Sprockets for No. 35, 3/8" Pitch ANSI Chain

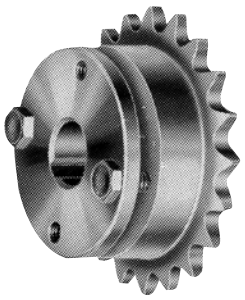
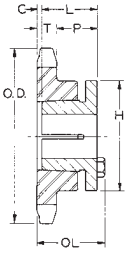


Table No. 2 **Steel Single Sprockets with Browning Split Taper® Bushings**

Part No.	Bushing	Bore Range	DIAMETERS		No. Teeth	Type	DIMENSIONS						Wt. Less Bushing
			Outside	Pitch			T Nom.	OL	L	P	C	H	
35G15	G	3/8-1"	1.99"	1.804"	15	.3	.168"	1 11/32"	1"	1"	5/32"	2'	.3
35G16	G	3/8-1"	2.10	1.922	16	.3	.168	1 11/32	1	1	5/32	2	.3
35G17	G	3/8-1	2.23	2.041	17	.3	.168	1 11/32	1	1	5/32	2	.3
35G18	G	3/8-1	2.35	2.159	18	.3	.168	1 11/32	1	1	5/32	2	.3
35G19	G	3/8-1	2.47	2.278	19	.3	.168	1 1/4	1	29/32	1/16	2	.3
35H19	H	3/8-1 1/2	2.47	2.278	19	.3	.168	1 1/2	1 1/4	1 5/32	1/16	2 1/2	.5
35H20	H	3/8-1 1/2	2.59	2.397	20	.3	.168	1 1/2	1 1/4	1 5/32	1/16	2 1/2	.5
35H21	H	3/8-1 1/2	2.70	2.516	21	.3	.168	1 1/2	1 1/4	1 5/32	1/16	2 1/2	.6
35H22	H	3/8-1 1/2	2.83	2.635	22	.3	.168	1 1/2	1 1/4	1 5/32	1/16	2 1/2	.7
35H23	H	3/8-1 1/2	2.95	2.754	23	.3	.168	1 1/2	1 1/4	1 5/32	1/16	2 1/2	.7
35H24	H	3/8-1 1/2	3.05	2.873	24	.3	.168	1 1/2	1 1/4	1 5/32	1/16	2 1/2	.8
35H25	H	3/8-1 1/2	3.19	2.992	25	.3	.168	1 1/2	1 1/4	1 5/32	1/16	2 1/2	.8
35H26	H	3/8-1 1/2	3.31	3.111	26	.3	.168	1 1/2	1 1/4	1 5/32	1/16	2 1/2	.8
35H28	H	3/8-1 1/2	3.55	3.349	28	.3	.168	1 1/2	1 1/4	1 5/32	1/16	2 1/2	.9
35H30	H	3/8-1 1/2	3.79	3.588	30	.3	.168	1 1/2	1 1/4	1 5/32	1/16	2 1/2	.9
35H32	H	3/8-1 1/2	4.03	3.826	32	.3	.168	1 1/2	1 1/4	1 5/32	1/16	2 1/2	.9
35H35	H	3/8-1 1/2	4.39	4.183	35	.3	.168	1 1/2	1 1/4	1 5/32	1/16	2 1/2	1.0
35H36	H	3/8-1 1/2	4.51	4.303	36	.3	.168	1 1/2	1 1/4	1 5/32	1/16	2 1/2	1.0
35H40	H	3/8-1 1/2	4.99	4.780	40	.3	.168	1 1/2	1 1/4	1 5/32	1/16	2 1/2	1.2
35H42	H	3/8-1 1/2	5.23	5.018	42	.3	.168	1 1/2	1 1/4	1 5/32	1/16	2 1/2	1.2
35H45	H	3/8-1 1/2	5.59	5.379	45	.3	.168	1 1/2	1 1/4	1 5/32	1/16	2 1/2	1.4
35H48	H	3/8-1 1/2	5.95	5.734	48	.3	.168	1 1/2	1 1/4	1 5/32	1/16	2 1/2	1.5
35H54	H	3/8-1 1/2	6.66	6.449	54	.3	.168	1 1/2	1 1/4	1 5/32	1/16	2 1/2	1.8
35H60	H	3/8-1 1/2	7.38	7.165	60	.3	.168	1 1/2	1 1/4	1 5/32	1/16	2 1/2	2.3
35H70	H	3/8-1 1/2	8.58	8.358	70	.3	.168	1 1/2	1 1/4	1 5/32	1/16	2 1/2	2.8
35H72	H	3/8-1 1/2	8.81	8.597	72	.3	.168	1 1/2	1 1/4	1 5/32	1/16	2 1/2	3.0
35H80	H	3/8-1 1/2	9.77	9.552	80	.3	.168	1 1/2	1 1/4	1 5/32	1/16	2 1/2	3.8
35H84	H	3/8-1 1/2	10.25	10.029	84	.3	.168	1 1/2	1 1/4	1 5/32	1/16	2 1/2	4.0
35H96	H	3/8-1 1/2	11.68	11.461	96	.3	.168	1 1/2	1 1/4	1 5/32	1/16	2 1/2	5.3
35H112	H	3/8-1 1/2	13.59	13.371	112	.3	.168	1 1/2	1 1/4	1 5/32	1/16	2 1/2	6.8



TYPE 3

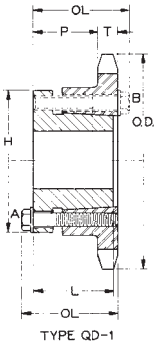
Standard Keyseats

Table No. 3

Bore Range	Keyseat
3/8" - 7/16"	None
1/2 - 9/16	1/8" X 1/16"
5/8 - 7/8	3/16 X 3/32
15/16 - 1 1/4	1/4 X 1/8
1 5/16 - 1 3/8	5/16 X 5/32
17/16 - 1 3/4	3/8 X 3/16

1 3/8" Bore Bushings also available with 3/8" x 3/16" Keyseat.

H



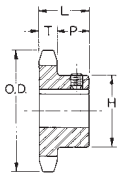
TYPE QD-1

Steel Sprockets with Q-D® Bushings

Table No. 1

Part No.	Bushing	Bore Range	DIAMETERS		Type	No. Teeth	DIMENSIONS					Wt. Less Bushing
			Outside	Pitch			T Nom.	OL	L	P	H	
35JA19*	JA	1/2-1 1/4"	2.47"	2.278"	QD-1	19	.168"	1 5/16"	1"	63/64"	2"	.28
35JA20	JA	1/2-1 1/4	2.59	2.397	QD-1	20	.168	1 5/16	1	63/64	2	.37
35JA21	JA	1/2-1 1/4	2.71	2.516	QD-1	21	.168	1 5/16	1	63/64	2	.41
35JA22	JA	1/2-1 1/4	2.83	2.635	QD-1	22	.168	1 5/16	1	63/64	2	.43
35JA23	JA	1/2-1 1/4	2.95	2.745	QD-1	23	.168	1 5/16	1	63/64	2	.45
35JA24	JA	1/2-1 1/4	3.07	2.873	QD-1	24	.168	1 5/16	1	63/64	2	.48
35JA25	JA	1/2-1 1/4	3.19	2.992	QD-1	25	.168	1 5/16	1	63/64	2	.50
35JA26	JA	1/2-1 1/4	3.31	3.111	QD-1	26	.168	1 5/16	1	63/64	2	.53
35JA27	JA	1/2-1 1/4	3.43	3.230	QD-1	27	.168	1 5/16	1	63/64	2	.55
35JA28	JA	1/2-1 1/4	3.55	3.349	QD-1	28	.168	1 5/16	1	63/64	2	.58
35JA30	JA	1/2-1 1/4	3.79	3.588	QD-1	30	.168	1 5/16	1	63/64	2	.64
35JA32	JA	1/2-1 1/4	4.03	3.826	QD-1	32	.168	1 5/16	1	63/64	2	.71
35JA35	JA	1/2-1 1/4	4.39	4.183	QD-1	35	.168	1 5/16	1	63/64	2	.81
35SH36	SH	1/2-1 5/8	4.51	4.303	QD-1	36	.168	1 23/32	1 5/16	1 21/64	2 11/16	1.34
35SH40	SH	1/2-1 5/8	4.99	4.780	QD-1	40	.168	1 23/32	1 5/16	1 21/64	2 11/16	1.48
35SH42	SH	1/2-1 5/8	5.23	5.018	QD-1	42	.168	1 23/32	1 5/16	1 21/64	2 11/16	1.56
35SH45	SH	1/2-1 5/8	5.59	5.376	QD-1	45	.168	1 23/32	1 5/16	1 21/64	2 11/16	1.69
35SH48	SH	1/2-1 5/8	5.95	5.734	QD-1	48	.168	1 23/32	1 5/16	1 21/64	2 11/16	1.82
35SH54	SH	1/2-1 5/8	6.66	6.449	QD-1	54	.168	1 23/32	1 5/16	1 21/64	2 11/16	2.11
35SH60	SH	1/2-1 5/8	7.38	7.165	QD-1	60	.168	1 23/32	1 5/16	1 21/64	2 11/16	2.44
35SH70	SH	1/2-1 5/8	8.58	8.358	QD-1	70	.168	1 23/32	1 5/16	1 21/64	2 11/16	3.06
35SH72	SH	1/2-1 5/8	8.81	8.597	QD-1	72	.168	1 23/32	1 5/16	1 21/64	2 11/16	3.20
35SH80	SH	1/2-1 5/8	9.77	9.552	QD-1	80	.168	1 23/32	1 5/16	1 21/64	2 11/16	3.78
35SH84	SH	1/2-1 5/8	10.25	10.029	QD-1	84	.168	1 23/32	1 5/16	1 21/64	2 11/16	4.09
35SH96	SH	1/2-1 5/8	11.68	11.461	QD-1	96	.168	1 23/32	1 5/16	1 21/64	2 11/16	5.1
35SH112	SH	1/2-1 5/8	13.59	13.371	QD-1	112	.168	1 23/32	1 5/16	1 21/64	2 11/16	6.7

***Bushing mounts with capscrew heads on "A" side only.**



TYPE 1

Finished Bore Single Sprockets

Table No. 2

Part No.	DIAMETERS		No. Teeth	Type	STOCK BORES MARKED "X"								DIMENSIONS			Wt. Lbs.
	Outside	Pitch			3/8"	1/2"	5/8"	3/4"	7/8"	1"	1 1/8"	1 3/16"	1 1/4"	T Nom.	L Max.	P	
STOCK Steel Sprockets																	
H359	1.25"	1.069"	9	1	x	-	-	-	-	-	-	-	-	.168"	3/4"	37/64	.1
H3510	1.37	1.214	10	1	x	x	x	-	-	-	-	-	-	.168	3/4	37/64	.1
H3511	1.50	1.331	11	1	x	x	x	x	-	-	-	-	-	.168	3/4	37/64	.2
H3512	1.62	1.449	12	1	-	x	x	x	-	-	-	-	-	.168	3/4	37/64	.2
H3513	1.75	1.567	13	1	-	x	x	x	-	-	-	-	-	.168	3/4	37/64	.3
H3514	1.87	1.685	14	1	-	x	x	x	-	-	-	-	-	.168	3/4	37/64	.3
H3515	1.99	1.804	15	1	-	x	x	x	x	x	-	-	-	.168	3/4	37/64	.3
H3516	2.10	1.922	16	1	-	x	x	x	x	x	-	-	-	.168	3/4	37/64	.4
H3517	2.23	2.041	17	1	-	x	x	x	x	x	-	-	-	.168	3/4	37/64	.4
H3518	2.35	2.159	18	1	-	x	x	x	x	x	-	-	-	.168	3/4	37/64	.5
H3519	2.47	2.278	19	1	-	x	x	x	-	x	-	-	-	.168	3/4	37/64	.5
H3520	2.59	2.397	20	1	-	x	x	x	-	x	-	-	-	.168	3/4	37/64	.7
H3521	2.70	2.516	21	1	-	x	x	x	-	x	-	-	-	.168	27/32	43/64	.8
H3522	2.83	2.635	22	1	-	x	x	x	-	x	-	-	-	.168	27/32	43/64	.8
H3523	2.95	2.754	23	1	-	x	x	x	-	x	-	-	-	.168	27/32	43/64	.9
H3524	3.07	2.873	24	1	-	x	x	x	-	x	-	-	-	.168	27/32	43/64	1.1
H3525	3.19	2.992	25	1	-	x	x	x	-	x	-	-	-	.168	27/32	43/64	1.2
H3526	3.31	3.111	26	1	-	-	x	x	x	x	x	x	x	.168	27/32	43/64	1.3
H3528	3.55	3.349	28	1	-	-	x	x	x	x	x	x	x	.168	27/32	43/64	1.3
H3530	3.79	3.588	30	1	-	-	x	x	x	x	x	x	x	.168	27/32	43/64	1.4
3532	4.03	3.862	32	1	-	-	x	x	-	x	-	-	-	.168	27/32	43/64	1.5
3536	4.51	4.303	36	1	-	-	x	x	-	x	-	-	-	.168	27/32	43/64	1.8
3540	4.99	4.780	40	1	-	-	x	x	-	x	-	-	-	.168	27/32	43/64	2.0
3542	5.23	5.018	42	1	-	-	-	-	-	x	-	-	-	.168	27/32	43/64	2.2
3545	5.59	5.376	45	1	-	-	x	x	-	-	-	-	-	.168	27/32	43/64	2.4
3548	5.95	5.734	48	1	-	-	-	x	-	-	-	-	-	.168	27/32	43/64	2.6
3560	7.38	7.165	60	1	-	-	x	x	-	x	-	-	x	.168	27/32	43/64	3.4

Hardened Teeth

All Stock Finished Bore Sprockets are furnished with Standard Keyway on Centerline of Tooth and Hollow Head Setscrew over Keyway, except 1/2" bores and smaller which have setcrews only. Sprockets with HARDENED TEETH have an additional Setscrew at 90° to Keyway.

Sprockets for No. 35, 3/8" Pitch ANSI Chain

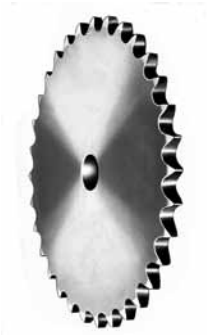
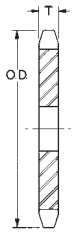


Table No. 1 Type "A" Steel Plate Sprockets

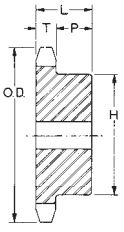
Part No.	Outside Dia.	Pitch Dia.	No. Teeth	Stock Bore	T (Nom.)	Wt Lbs.	Part No.	Outside Dia	Pitch Dia.	No. Teeth	Stock Bore	T (Nom.)	Wt. Lbs.
35A15	1.99"	1.804"	15	1/2"	.168	.12	**35A32**	4.03"	3.826"	32	1/2"	.168	.54
35A16	2.11	1.922	16	1/2	.168	.16	**35A35**	4.39	4.183	35	1/2	.168	.64
35A17	2.23	2.041	17	1/2	.168	.18	**35A36**	4.51	4.303	36	5/8	.168	.69
35A18	2.35	2.159	18	1/2	.168	.20	**35A40**	4.99	4.780	40	5/8	.168	.84
35A19	2.47	2.278	19	1/2	.168	.22	**35A42**	5.23	5.018	42	5/8	.168	.93
35A20	2.59	2.397	20	1/2	.168	.24	**35A45**	5.59	5.376	45	5/8	.168	1.06
35A21	2.71	2.516	21	1/2	.168	.26	**35A48**	5.95	5.734	48	5/8	.168	1.20
35A22	2.83	2.635	22	1/2	.168	.29	**35A54**	6.66	6.449	54	5/8	.168	1.50
35A23	2.95	2.754	23	1/2	.168	.30	**35A60**	7.38	7.165	60	5/8	.168	1.90
35A24	3.07	2.873	24	1/2	.168	.34	**35A70**	8.58	8.358	70	5/8	.168	2.60
35A25	3.19	2.992	25	1/2	.168	.37	**35A72**	8.81	8.597	72	5/8	.168	2.75
35A26	3.31	3.111	26	1/2	.168	.40	**35A80**	9.77	9.552	80	5/8	.168	3.40
35A27	3.43	3.230	27	1/2	.168	.43	**35A84**	10.25	10.029	84	5/8	.168	3.70
35A28	3.55	3.349	28	1/2	.168	.46	**35A96**	11.68	11.461	96	5/8	.168	4.90
35A30	3.79	3.588	30	1/2	.168	.53	**35A112**	13.59	13.371	112	5/8	.168	6.70



TYPE A

Table No. 2 Steel Type "B" Minimum Bore Single Sprockets

Part No.	DIAMETERS Outside	DIAMETERS Pitch	No. Teeth	Type	BORE Stock	BORE Max.*	DIMENSIONS T Nom.	DIMENSIONS L	DIMENSIONS P	DIMENSIONS H	Wt. Lbs.
35B8	1.12"	.980"	8	B	3/8"	3/8"	.168"	3/4"	37/64"	3/4"†	.1
35B9	1.25	1.096	9	B	3/8	3/8	.168	3/4	37/64	55/64†	.1
35B10	1.37	1.214	10	B	3/8	5/8	.168	3/4	37/64	1 1/32†	.1
35B11	1.50	1.331	11	B	3/8	3/4	.168	3/4	37/64	1 5/32†	.1
35B12	1.62	1.449	12	B	1/2	3/4	.168	3/4	37/64	1 9/32†	.1
35B13	1.75	1.567	13	B	1/2	3/4	.168	3/4	37/64	1 25/64†	.3
35B14	1.87	1.685	14	B	1/2	7/8	.168	3/4	37/64	1 49/64†	.3
35B15	1.99	1.804	15	B	1/2	7/8	.168	3/4	37/64	1 37/64†	.3
35B16	2.10	1.922	16	B	1/2	15/16	.168	3/4	37/64	1 3/4†	.4
35B17	2.23	2.041	17	B	1/2	1 1/16	.168	3/4	37/64	1 3/4†	.4
35B18	2.35	2.159	18	B	1/2	1 3/16	.168	3/4	37/64	1 3/4	.5
35B19	2.47	2.278	19	B	1/2	1 1/4	.168	3/4	37/64	1 27/32	.6
35B20	2.59	2.397	20	B	1/2	1 5/16	.168	3/4	37/64	1 15/16	.7
35B21	2.70	2.516	21	B	1/2	1 1/4	.168	27/32	43/64	2 1/16	.8
35B22	2.83	2.635	22	B	1/2	1 3/8	.168	27/32	43/64	2 3/16	.9
35B23	2.95	2.754	23	B	1/2	1 3/8	.168	27/32	43/64	2 3/16	1.0
35B24	3.05	2.873	24	B	1/2	1 9/16	.168	27/32	43/64	2 7/16	1.2
35B25	3.19	2.992	25	B	1/2	1 5/8	.168	27/32	43/64	2 1/2	1.3
35B26	3.31	3.111	26	B	1/2	1 5/8	.168	27/32	43/64	2 1/2	1.3
35B27	3.43	3.230	27	B	1/2	1 5/8	.168	27/32	43/64	2 1/2	1.3
35B28	3.55	3.349	28	B	1/2	1 5/8	.168	27/32	43/64	2 1/2	1.3
35B30	3.79	3.588	30	B	1/2	1 5/8	.168	27/32	43/64	2 1/2	1.4
35B32	4.03	3.826	32	B	1/2	1 5/8	.168	27/32	43/64	2 1/2	1.5
35B35	4.39	4.183	35	B	1/2	1 5/8	.168	27/32	43/64	2 1/2	1.5
35B36	4.51	4.303	36	B	5/8	1 5/8	.168	27/32	43/64	2 1/2	1.5
35B40	4.99	4.780	40	B	5/8	1 5/8	.168	27/32	43/64	2 1/2	1.9
35B42	5.23	5.018	42	B	5/8	2	.168	27/32	43/64	3	2.3
35B45	5.59	5.376	45	B	5/8	2	.168	27/32	43/64	3	2.5
35B48	5.95	5.734	48	B	5/8	2	.168	27/32	43/64	3	2.9
35B54	6.66	6.449	54	B	5/8	2	.168	27/32	43/64	3	3.3
35B60	7.38	7.165	60	B	5/8	2	.168	27/32	43/64	3	3.7
35B70	8.58	8.358	70	B	5/8	2	.168	27/32	43/64	3	4.7
35B72	8.81	8.597	72	B	5/8	2	.168	27/32	43/64	3	4.9
35B80	9.77	9.552	80	B	5/8	2	.168	27/32	43/64	3	5.8
35B84	10.25	10.029	84	B	5/8	2	.168	27/32	43/64	3	6.2
35B96	11.68	11.461	96	B	5/8	2	.168	27/32	43/64	3	7.7
35B112	13.59	13.371	112	B	5/8	2	.168	27/32	43/64	3	10.1

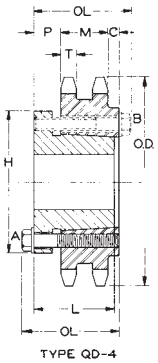


TYPE B

***Maximum bore shown is with standard keyway and setscrew over keyway. Slightly larger bores are possible with no keyway, shallow keyway or setscrew at angle to keyway.**
†Hub is recessed for chain clearance.
Type "B" Sprockets are made without keyways and setscrews. They are furnished with minimum bore which can be rebored to size, keywayed and setscrewed for a reasonable extra charge.

Table No. 3 Steel Double Sprockets with Q-D® Bushings

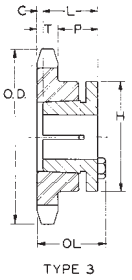
Part No.	Bushing	Bore Range	DIAMETERS Outside	DIAMETERS Pitch	Type	No. Teeth	DIMENSIONS T	DIMENSIONS M	DIMENSIONS OL	DIMENSIONS L	DIMENSIONS P	DIMENSIONS C	DIMENSIONS H	Wt. Less Bushing
D35SDS68	SDS	1/2-2"	8.34"	8.120"	QD-4	68	.162"	.561"	1 21/32"	1 5/16"	11/16"	3/16"	3 1/8"	7.5
D35SDS72	SDS	1/2-2	8.81	8.597	QD-4	72	.162	.561	1 21/32	1 5/16	11/16	3/16	3 1/8	8.5
D35SDS76	SDS	1/2-2	9.29	9.074	QD-4	76	.162	.561	1 21/32	1 5/16	11/16	3/16	3 1/8	9.5
D35SK84	SK	1/2-2 5/8	10.25	10.029	QD-4	84	.162	.561	2 11/32	1 15/16	13/16	11/16	3 7/8	12.4



TYPE QD-4

Steel Double Type "B" Minimum Bore Sprockets
HARDENED TEETH

Table No. 1

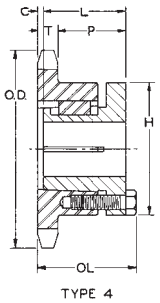


TYPE 3

Part No.	DIAMETERS		No. Teeth	Type	BORE		DIMENSIONS					Wt. Lbs.
	Outside	Pitch			Stock	Max.*	T	M	L Max.	P	H	
D35B12	1.63"	1.449"	12	DB	1/2"	9/16"	.162"	.561"	1 1/4"	11/16"	1 9/32†	.4
D35B13	1.75	1.567	13	DB	1/2	13/16	.162	.561	1 1/4	11/16	1 25/64†	.4
D35B14	1.87	1.685	14	DB	1/2	7/8	.162	.561	1 1/4	11/16	1 49/64†	.6
D35B15	1.99	1.804	15	DB	1/2	15/16	.162	.561	1 1/4	11/16	1 37/64†	.6
D35B16	2.10	1.922	16	DB	1/2	15/16	.162	.561	1 1/4	11/16	1 11/16†	.6
D35B17	2.23	2.041	17	DB	1/2	1 1/16	.162	.561	1 1/4	11/16	1 3/4†	.8
D35B18	2.35	2.159	18	DB	1/2	1 3/16	.162	.561	1 1/4	11/16	1 3/4	.8
D35B19	2.47	2.278	19	DB	1/2	1 5/16	.162	.561	1 1/4	11/16	1 7/8	1.0
D35B20	2.59	2.397	20	DB	1/2	1 5/16	.162	.561	1 3/8	13/16	1 15/16	1.1
D35B21	2.70	2.516	21	DB	1/2	1 3/8	.162	.561	1 3/8	13/16	2 1/16	1.4
D35B22	2.83	2.635	22	DB	1/2	1 7/16	.162	.561	1 3/8	13/16	2 3/16	1.5
D35B23	2.95	2.745	23	DB	1/2	1 1/2	.162	.561	1 3/8	13/16	2 5/16	1.6
D35B24	3.05	2.873	24	DB	1/2	1 5/8	.162	.561	1 3/8	13/16	2 7/16	1.9
D35B25	3.19	2.992	25	DB	1/2	1 3/4	.162	.561	1 3/8	13/16	2 1/2	2.1
D35B26	3.31	3.111	26	DB	1/2	1 3/4	.162	.561	1 3/8	13/16	2 1/2	2.2
D35B30	3.79	3.588	30	DB	1/2	2	.162	.561	1 3/8	13/16	3	3.0
D35B36	4.51	4.303	36	DB	1/2	2	.162	.561	1 3/8	13/16	3	3.6
D35B42	5.23	5.018	42	DB	1/2	2	.162	.561	1 3/8	13/16	3	4.5
D35B48	5.95	5.374	48	DB	3/4	2	.162	.561	1 3/8	13/16	3	5.4
D35B52	6.43	6.211	52	DB	3/4	2	.162	.561	1 3/8	13/16	3	6.1
D35B60	7.38	7.165	60	DB	3/4	2	.162	.561	1 3/8	13/16	3	7.8
D35B68	8.34	8.120	68	DB	3/4	2 3/8	.162	.561	1 1/2	15/16	3 1/2	10.4
D35B72	8.81	8.597	72	DB	1	2 3/8	.162	.561	1 1/2	15/16	3 1/2	11.2
D35B76	9.29	9.074	76	DB	1	2 3/8	.162	.561	1 1/2	15/16	3 1/2	12.2
D35B84	10.25	10.029	84	DB	1	2 1/2	.162	.561	1 1/2	15/16	3 3/4	14.9

***Maximum bore shown is with standard keyway and setscrew over keyway. Slightly larger bores are possible with no keyway, shallow keyway or setscrew at angle to keyway.**
†Hub is recessed for chain clearance.
These type "B" Sprockets are made without keyways and setscrews. They are furnished with minimum bore which can be rebored to size and keywayed for a reasonable extra charge.

Sprockets for No. 41, 1/2" Pitch ANSI Chain



TYPE 4

Table No. 2

Steel Single Sprockets with Browning Split Taper® Bushings

Part No.	Bushing	Bore Range	DIAMETERS		Type	No. Teeth	DIMENSIONS					Wt. Less Bushing
			Outside	Pitch			T Nom.	OL	L	P	H	
41G12	G	3/8-1"	2.17"	1.932"	3	12	.227"	1 7/16"	1"	1 1/32"	2"	.3
41G14	G	3/8-1	2.49	2.247	3	14	.227	1 7/16	1	1 1/32	2	.4
41H15	H	3/8-1 1/2	2.65	2.405	3	15	.227	1 1/2	1 1/4	1 1/32	2 1/2	.5
41H16	H	3/8-1 1/2	2.80	2.653	3	16	.227	1 1/2	1 1/4	1 1/32	2 1/2	.5
41H17	H	3/8-1 1/2	2.96	2.721	3	17	.227	1 1/2	1 1/4	1 1/32	2 1/2	.6
41H18	H	3/8-1 1/2	3.14	2.879	3	18	.227	1 1/2	1 1/4	1 1/32	2 1/2	.7
41H19	H	3/8-1 1/2	3.30	3.038	3	19	.227	1 1/2	1 1/4	1 1/32	2 1/2	.8
41H20	H	3/8-1 1/2	3.45	3.196	3	20	.227	1 1/2	1 1/4	1 1/32	2 1/2	.8
41H21	H	3/8-1 1/2	3.62	3.355	3	21	.227	1 1/2	1 1/4	1 1/32	2 1/2	.9
41H22	H	3/8-1 1/2	3.75	3.513	3	22	.227	1 1/2	1 1/4	1 1/32	2 1/2	.9
41H23	H	3/8-1 1/2	3.94	3.672	3	23	.227	1 1/2	1 1/4	1 1/32	2 1/2	1.0
41H24	H	3/8-1 1/2	4.10	3.831	3	24	.227	1 1/2	1 1/4	1 1/32	2 1/2	1.1
41H25	H	3/8-1 1/2	4.26	3.989	3	25	.227	1 1/2	1 1/4	1 1/32	2 1/2	1.1
41H26	H	3/8-1 1/2	4.42	4.158	3	26	.227	1 1/2	1 1/4	1 1/32	2 1/2	1.1
41H27	H	3/8-1 1/2	4.58	4.307	3	27	.227	1 1/2	1 1/4	1 1/32	2 1/2	1.1
41H28	H	3/8-1 1/2	4.70	4.466	3	28	.227	1 1/2	1 1/4	1 1/32	2 1/2	1.2
41H30	H	3/8-1 1/2	5.06	4.783	3	30	.227	1 1/2	1 1/4	1 1/32	2 1/2	1.3
41H32	H	3/8-1 1/2	5.38	5.101	3	32	.227	1 1/2	1 1/4	1 1/32	2 1/2	1.5
41H35	H	3/8-1 1/2	5.86	5.578	3	35	.227	1 1/2	1 1/4	1 1/32	2 1/2	1.8
41P36	P1	1/2-1 3/4	6.02	5.737	4	36	.227	2 3/16	1 15/16	1 19/32	3	2.5
41P40	P1	1/2-1 3/4	6.55	6.373	4	40	.227	2 3/16	1 15/16	1 19/32	3	3.0
41P42	P1	1/2-1 3/4	6.97	6.691	4	42	.227	2 3/16	1 15/16	1 19/32	3	3.1
41P45	P1	1/2-1 3/4	7.45	7.168	4	45	.227	2 3/16	1 15/16	1 19/32	3	3.5
41P48	P1	1/2-1 3/4	7.93	7.645	4	48	.227	2 3/16	1 15/16	1 19/32	3	4.0
41P54	P1	1/2-1 3/4	8.89	8.599	4	54	.227	2 3/16	1 15/16	1 19/32	3	4.6
41P60	P1	1/2-1 3/4	9.84	9.554	4	60	.227	2 3/16	1 15/16	1 19/32	3	5.5
41P70	P1	1/2-1 3/4	11.43	11.145	4	70	.227	2 3/16	1 15/16	1 19/32	3	7.0
41P72	P1	1/2-1 3/4	11.75	11.463	4	72	.227	2 3/16	1 15/16	1 19/32	3	7.9
41P80	P1	1/2-1 3/4	13.03	12.736	4	80	.227	2 3/16	1 15/16	1 19/32	3	9.3
41P84	P1	1/2-1 3/4	13.66	13.372	4	84	.227	2 3/16	1 15/16	1 19/32	3	9.7
41P96	P1	1/2-1 3/4	15.57	15.281	4	96	.227	2 3/16	1 15/16	1 19/32	3	13.0
41P112	P1	1/2-1 3/4	18.12	17.828	4	112	.227	2 3/16	1 15/16	1 19/32	3	18.0

Standard Keyseats

Table No. 3

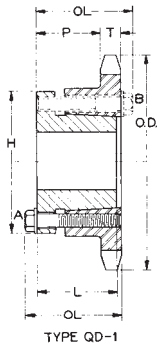
Bore Range	Keyseat
3/8" - 7/16"	None
1/2 - 9/16	1/8" X 1/16"
5/8 - 7/8	3/16 X 3/32
15/16 - 1 1/4	1/4 X 1/8
1 5/16 - 1 3/8	5/16 X 5/32
1 7/16 - 1 3/4	3/8 X 3/16
1 13/16 - 2 1/4	1/2 x 1/4
2 5/16 - 2 3/4	5/8 x 5/16

1 3/8" Bore Bushings also available with 3/8" x 3/16" Keyseat.

Sprockets for No. 41, 1/2" Pitch ANSI Chain

Table No. 1 **Steel Single Sprockets with Q-D® Bushings**

Part No.	Bushing	Bore Range	DIAMETERS		Type	No. Teeth	DIMENSIONS					Wt. Less Bushing
			Outside	Pitch			T Nom.	OL	L	P	H	
41JA15	JA	1/2-1 1/4"	2.65"	2.405"	QD-1	15	.227	1 5/16"	1"	59/64"	2"	.32
41JA16	JA	1/2-1 1/4	2.81	2.563	QD-1	16	.227	1 5/16	1	59/64	2	.34
41JA17	JA	1/2-1 1/4	2.98	2.721	QD-1	17	.227	1 5/16	1	59/64	2	.49
41JA18	JA	1/2-1 1/4	3.14	2.879	QD-1	18	.227	1 5/16	1	59/64	2	.53
41JA19	JA	1/2-1 1/4	3.30	3.038	QD-1	19	.227	1 5/16	1	59/64	2	.58
41SH20	SH	1/2-1 5/8	3.46	3.196	QD-1	20	.227	1 23/32	1 5/16	1 17/64	2 11/16	.99
41SH21	SH	1/2-1 5/8	3.62	3.355	QD-1	21	.227	1 23/32	1 5/16	1 17/64	2 11/16	1.08
41SH22	SH	1/2-1 5/8	3.78	3.513	QD-1	22	.227	1 23/32	1 5/16	1 17/64	2 11/16	1.16
41SH23	SH	1/2-1 5/8	3.94	3.672	QD-1	23	.227	1 23/32	1 5/16	1 17/64	2 11/16	1.22
41SH24	SH	1/2-1 5/8	4.10	3.831	QD-1	24	.227	1 23/32	1 5/16	1 17/64	2 11/16	1.28
41SH25	SH	1/2-1 5/8	4.26	3.989	QD-1	25	.227	1 23/32	1 5/16	1 17/64	2 11/16	1.37
41SH26	SH	1/2-1 5/8	4.42	4.148	QD-1	26	.227	1 23/32	1 5/16	1 17/64	2 11/16	1.42
41SH27	SH	1/2-1 5/8	4.58	4.307	QD-1	27	.227	1 23/32	1 5/16	1 17/64	2 11/16	1.48
41SH28	SH	1/2-1 5/8	4.74	4.466	QD-1	28	.227	1 23/32	1 5/16	1 17/64	2 11/16	1.54
41SH30	SH	1/2-1 5/8	5.06	4.783	QD-1	30	.227	1 23/32	1 5/16	1 17/64	2 11/16	1.66
41SH32	SH	1/2-1 5/8	5.38	5.101	QD-1	32	.227	1 23/32	1 5/16	1 17/64	2 11/16	1.79
41SH35	SH	1/2-1 5/8	5.86	5.578	QD-1	35	.227	1 23/32	1 5/16	1 17/64	2 11/16	2.00
41SDS36	SDS	1/2-2	6.02	5.737	QD-1	36	.227	1 21/32	1 5/16	1 7/32	3 1/8	2.15
41SDS40	SDS	1/2-2	6.65	6.373	QD-1	40	.227	1 21/32	1 5/16	1 7/32	3 1/8	2.47
41SDS42	SDS	1/2-2	6.97	6.691	QD-1	42	.227	1 21/32	1 5/16	1 7/32	3 1/8	2.64
41SDS45	SDS	1/2-2	7.45	7.168	QD-1	45	.227	1 21/32	1 5/16	1 7/32	3 1/8	2.92
41SDS48	SDS	1/2-2	7.93	7.645	QD-1	48	.227	1 21/32	1 5/16	1 7/32	3 1/8	3.22
41SDS54	SDS	1/2-2	8.89	8.599	QD-1	54	.227	1 21/32	1 5/16	1 7/32	3 1/8	3.86
41SDS60	SDS	1/2-2	9.84	9.554	QD-1	60	.227	1 21/32	1 5/16	1 7/32	3 1/8	4.58
41SK70	SK	1/2-2 5/8	11.43	11.145	QD-1	70	.227	2 11/32	1 15/16	1 27/32	3 7/8	7.3
41SK72	SK	1/2-2 5/8	11.75	11.463	QD-1	72	.227	2 11/32	1 15/16	1 27/32	3 7/8	7.6
41SK80	SK	1/2-2 5/8	13.03	12.736	QD-1	80	.227	2 11/32	1 15/16	1 27/32	3 7/8	8.9
41SK84	SK	1/2-2 5/8	13.66	13.372	QD-1	84	.227	2 11/32	1 15/16	1 27/32	3 7/8	9.6
41SK96	SK	1/2-2 5/8	15.57	15.281	QD-1	96	.227	2 11/32	1 15/16	1 27/32	3 7/8	11.9
41SK112	SK	1/2-2 5/8	18.12	17.828	QD-1	112	.227	2 11/32	1 15/16	1 27/32	3 7/8	15.4



TYPE QD-1

Standard Keyseats

Table No. 3

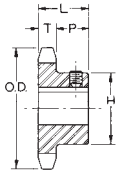
Bore Range	Keyseat
1/2" - 9/16"	1/8" X 1/16"
5/8 - 7/8	3/16 X 3/32
15/16 - 1 1/4	1/4 X 1/8
1 5/16 - 1 3/8	5/16 X 5/32
1 7/16 - 1 3/4	3/8 X 3/16
1 13/16 - 2 1/4	1/2 x 1/4
2 5/16 - 2 3/4	5/8 x 5/16

1 3/8" Bore Bushings also available with 3/8" x 3/16" Keyseat.

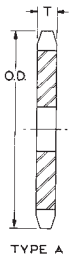
Table No. 2 **Steel Finished Bore Single Sprockets**

Part No.	DIAMETERS		No. Teeth	Type	STOCK BORES MARKED "X"					DIMENSIONS			Wt. Lbs.
	Outside	Pitch			1/2"	5/8"	3/4"	7/8"	1"	T Nom.	L Max.	P	
419	1.69"	1.462"	9	1	x	x	—	—	—	.227"	7/8"	21/32"	.2
4110	1.84	1.618	10	1	x	x	x	—	—	.227	7/8	21/32	.3
4111	2.00	1.775	11	1	x	x	x	—	—	.227	7/8	21/32	.4
4112	2.17	1.932	12	1	x	x	x	x	—	.227	7/8	21/32	.4
4113	2.30	2.089	13	1	x	x	x	x	x	.227	7/8	21/32	.5
4114	2.49	2.247	14	1	x	x	x	x	x	.227	7/8	21/32	.6
4115	2.66	2.405	15	1	x	x	x	—	x	.227	7/8	21/32	.8
4116	2.80	2.563	16	1	—	x	x	—	x	.227	7/8	21/32	.8
4117	2.96	2.721	17	1	—	x	x	—	x	.227	7/8	21/32	1.0
4118	3.14	2.879	18	1	—	x	x	—	x	.227	7/8	21/32	1.1
4119	3.30	3.038	19	1	—	x	x	—	x	.227	7/8	21/32	1.2
4120	3.45	3.196	20	1	—	x	x	—	x	.227	7/8	21/32	1.4
4121	3.62	3.335	21	1	—	x	x	—	x	.227	7/8	21/32	1.5
4122	3.78	3.513	22	1	—	x	x	—	x	.227	7/8	21/32	1.6
4124	4.10	3.831	24	1	—	—	—	—	x	.227	7/8	21/32	1.8
4125	4.26	3.984	25	1	—	—	x	—	x	.227	7/8	21/32	2.0
4130	5.06	4.783	30	1	—	—	—	—	x	.227	7/8	21/32	2.3
4135	5.86	5.578	35	1	—	—	—	—	x	.227	7/8	21/32	2.7
4136	6.02	5.737	36	1	—	—	x	—	—	.227	7/8	21/32	2.8
4142	6.97	6.691	42	1	—	—	x	—	—	.227	7/8	21/32	3.4
4154	8.89	8.599	54	1	—	—	—	—	x	.227	7/8	21/32	4.8

All Stocks Finished Bore Sprockes are furnished with Standard Keyway on Centerline of Tooth and Setscrew over Keyway, exept 1/2" bore which has no keyway.



TYPE 1



TYPE A

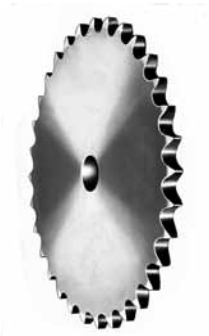
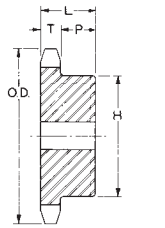


Table No. 1 Type "A" Steel Plate Sprockets

Part No.	Outside Dia.	Pitch Dia	No. Teeth	Stock Bore	T (Nom.)	Wt. Lbs.	Part No.	Outside Dia.	Pitch Dia	No. Teeth	Stock Bore	T (Nom.)	Wt. Lbs.
41A15	2.65"	2.405"	15	5/8"	.227"	.3	**41A32**	5.38"	5.101"	32	5/8"	.227"	1.2
41A16	2.80	2.563	16	5/8	.227	.3	**41A35**	5.86	5.578	35	5/8	.227	1.5
41A17	2.96	2.721	17	5/8	.227	.3	**41A36**	6.02	5.737	36	5/8	.227	1.5
41A18	3.14	2.879	18	5/8	.227	.3	**41A40**	6.65	6.373	40	5/8	.227	1.9
41A19	3.30	3.038	19	5/8	.227	.3	**41A42**	6.97	6.691	42	3/4	.227	2.3
41A20	3.45	3.196	20	5/8	.227	.4	**41A45**	7.45	7.168	45	3/4	.227	2.6
41A21	3.62	3.355	21	5/8	.227	.4	**41A48**	7.93	7.645	48	3/4	.227	3.0
41A22	3.75	3.513	22	5/8	.227	.5	**41A54**	8.89	8.599	54	3/4	.227	3.6
41A23	3.94	3.672	23	5/8	.227	.6	**41A60**	9.84	9.554	60	3/4	.227	4.5
41A24	4.10	3.831	24	5/8	.227	.6	**41A70**	11.43	11.145	70	3/4	.227	6.5
41A25	4.26	3.989	25	5/8	.227	.6	**41A72**	11.75	11.463	72	3/4	.227	6.5
41A26	4.42	4.148	26	5/8	.227	.7	**41A80**	13.03	12.736	80	3/4	.227	8.4
41A27	4.58	4.307	27	5/8	.227	.8	**41A84**	13.66	13.372	84	3/4	.227	9.9
41A28	4.70	4.466	28	5/8	.227	.8	**41A96**	15.57	15.281	96	3/4	.227	11.5
41A30	5.06	4.783	30	5/8	.227	1.1	**41A112**	18.12	17.828	112	3/4	.227	15.9



TYPE B

Table No. 2 Steel Single Type "B" Minimum Bore Sprockets

Part No.	DIAMETERS		No. Teeth	Type	BORE		DIMENSIONS				Wt. Lbs.
	Outside	Pitch			Stock	Max.*	T Nom.	L Max.	P	H	
41B6	1.17"	1.000"	6	B	3/8"	3/8"	.227"	7/8"	21/32"	43/64†	.1
41B7	1.34	1.152	7	B	3/8	3/8	.227	7/8	21/32	13/16†	.1
41B8	1.50	1.307	8	B	1/2	1/2	.227	7/8	21/32	63/64	.1
41B9	1.67	1.462	9	B	1/2	5/8	.227	7/8	21/32	1 1/8†	.2
41B10	1.84	1.618	10	B	1/2	3/4	.227	7/8	21/32	1 9/32†	.3
41B11	2.00	1.775	11	B	1/2	7/8	.227	7/8	21/32	1 7/16†	.3
41B12	2.17	1.932	12	B	1/2	15/16	.227	7/8	21/32	1 19/32†	.4
41B13	2.30	2.089	13	B	1/2	1	.227	7/8	21/32	1 3/4†	.5
41B14	2.49	2.247	14	B	1/2	1 1/4	.227	7/8	21/32	1 29/32†	.6
41B15	2.65	2.405	15	B	1/2	1 5/16	.227	7/8	21/32	2 1/16†	.7
41B16	2.80	2.563	16	B	5/8	1 3/8	.227	7/8	21/32	2 1/16	.8
41B17	2.96	2.721	17	B	5/8	1 1/2	.227	7/8	21/32	2 15/64	.9
41B18	3.14	2.879	18	B	5/8	1 5/8	.227	7/8	21/32	2 3/8	1.1
41B19	3.30	3.038	19	B	5/8	1 3/4	.227	7/8	21/32	2 1/2	1.2
41B20	3.45	3.196	20	B	5/8	1 7/8	.227	7/8	23/32	2 3/4	1.4
41B21	3.62	3.355	21	B	5/8	1 7/8	.227	7/8	23/32	2 7/8	1.5
41B22	3.75	3.513	22	B	5/8	2	.227	7/8	23/32	3	1.6
41B23	3.94	3.672	23	B	5/8	2 1/4	.227	7/8	23/32	3 3/16	1.6
41B24	4.10	3.831	24	B	5/8	2 1/4	.227	7/8	23/32	3 1/4	1.7
41B25	4.26	3.989	25	B	5/8	2 1/4	.227	7/8	23/32	3 1/4	1.7
41B26	4.42	4.148	26	B	5/8	2 1/4	.227	7/8	23/32	3 1/4	1.7
41B27	4.58	4.307	27	B	5/8	2 1/4	.227	7/8	23/32	3 1/4	1.8
41B28	4.70	4.466	28	B	5/8	2 1/4	.227	7/8	23/32	3 1/4	1.8
41B30	5.06	4.783	30	B	5/8	2 1/4	.227	7/8	23/32	3 1/4	2.0
41B32	5.38	5.101	32	B	5/8	2 1/4	.227	7/8	23/32	3 1/4	2.6
41B35	5.86	5.307	35	B	5/8	2 1/4	.227	7/8	23/32	3 1/4	2.9
41B36	6.02	5.737	36	B	5/8	2 1/4	.227	7/8	23/32	3 1/4	2.9
41B40	6.65	6.373	40	B	5/8	2 1/4	.227	7/8	23/32	3 1/4	3.3
41B42	6.97	6.691	42	B	5/8	2 3/8	.227	7/8	23/32	3 1/2	3.5
41B45	7.45	7.168	45	B	5/8	2 3/8	.227	7/8	23/32	3 1/2	3.9
41B48	7.93	7.645	48	B	5/8	2 3/8	.227	7/8	23/32	3 1/2	4.3
41B54	8.89	8.599	54	B	5/8	2 3/8	.227	7/8	23/32	3 1/2	5.2
41B60	9.84	9.554	60	B	5/8	2 3/8	.227	7/8	23/32	3 1/2	6.2
41B70	11.43	11.145	70	B	3/4	2 3/4	.227	15/16	25/32	4	7.8
41B72	11.75	11.463	72	B	3/4	2 3/4	.227	15/16	25/32	4	8.1
41B80	13.03	12.736	84	B	3/4	2 3/4	.227	15/16	25/32	4	9.9
41B84	13.66	13.372	84	B	3/4	2 3/4	.227	15/16	25/32	4	10.3
41B96	15.57	15.281	96	B	3/4	2 3/4	.227	15/16	25/32	4	14.1
41B112	18.12	17.828	112	B	3/4	2 3/4	.227	15/16	25/32	4	19.0

***Maximum bore shown is with standard keyway and setscrew over keyway. Slightly larger bores are possible with no keyway, shallow keyway or setscrew at angle to keyway.**
†Hub is recessed for chain clearance.
These Type "B" Sprockets are made without keyways and setscrews. They are furnished with minimum bore which can be rebored to size, keywayed and setscrewed for a reasonable extra charge.

Sprockets for No. 40, 1/2" Pitch ANSI Chain

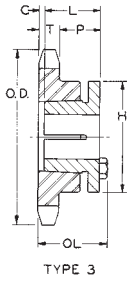
Table No. 1 **Steel Single Sprockets with Browning Split Taper® Bushings**

HARDENED TEETH

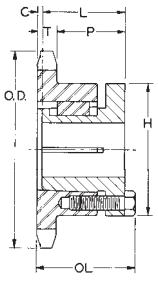
Part No.	Bushing	Bore Range	DIAMETERS		No. Teeth	Type	DIMENSIONS						Wt. Less Bushing
			Outside	Pitch			T Norm.	OL	L	P	C	H	
H40G12	G	3/8 - 1"	2.17"	1.932"	12	3	.284"	1 1/2"	1"	1 1/32"	5/16"	2"	.3
H40G13	G	3/8 - 1	2.30	2.089	13	3	.284	1 1/2	1	1 1/32	5/16	2	.4
H40G14	G	3/8 - 1	2.49	2.247	14	3	.284	1 1/2	1	1 1/32	5/16	2	.5
H40H15	H	3/8 - 1 1/2	2.65	2.405	15	3	.284	1 19/32	1 1/4	1 1/8	5/32	2 1/2	.5
H40G16	G	3/8 - 1	2.80	2.563	16	3	.284	1 1/4	1	25/32	1/16	2	.4
H40H16	H	3/8 - 1 1/2	2.80	2.563	16	3	.284	1 19/32	1 1/4	1 1/8	5/32	2 1/2	.6
H40H17	H	3/8 - 1 1/2	2.96	2.721	17	3	.284	1 1/2	1 1/4	1 1/32	1/16	2 1/2	.6
H40H18	H	3/8 - 1 1/2	3.14	2.879	18	3	.284	1 1/2	1 1/4	1 1/32	1/16	2 1/2	.7
H40P18	P1	1/2 - 1 3/4	3.14	2.879	18	4	.284	2 3/16	1 15/16	1 21/32	0	3	1.2
H40H19	H	3/8 - 1 1/2	3.30	3.038	19	3	.284	1 1/4	1 1/4	1 1/32	1/16	2 1/2	.8
H40P19	P1	1/2 - 1 3/4	3.30	3.038	19	4	.284	2 3/16	1 15/16	1 21/32	0	3	1.3
H40H20	H	3/8 - 1 1/2	3.45	3.196	20	3	.284	1 1/2	1 1/4	1 1/32	1/16	2 1/2	.8
H40P20	P1	1/2 - 1 3/4	3.45	3.196	20	4	.284	2 3/16	1 15/16	1 21/32	0	3	1.3
H40H21	H	3/8 - 1 1/2	3.62	3.355	21	3	.284	1 1/2	1 1/4	1 1/32	1/16	2 1/2	9
H40P21	P1	1/2 - 1 3/4	3.62	3.355	21	4	.284	2 3/16	1 15/16	1 21/32	0	3	1.5
H40H22	H	3/8 - 1 1/2	3.75	3.513	22	3	.284	1 1/2	1 1/4	1 1/32	1/16	2 1/2	.9
H40P22	P1	1/2 - 1 3/4	3.75	3.513	22	4	.284	2 3/16	1 15/16	1 21/32	0	3	.6
H40H23	H	3/8 - 1 1/2	3.94	3.672	23	3	.284	1 1/2	1 1/4	1 1/32	1/16	2 1/2	1.0
H40P23	P1	1/2 - 1 3/4	3.94	3.672	23	4	.284	2 3/16	1 15/16	1 21/32	0	3	1.7
H40H24	H	3/8 - 1 1/2	4.10	3.831	24	3	.284	1 1/2	1 1/4	1 1/32	1/16	2 1/2	1.2
H40P24	P1	1/2 - 1 3/4	4.10	3.831	24	4	.284	2 3/16	1 15/16	1 21/32	0	3	1.8
H40H25	H	3/8 - 1 1/2	4.26	3.989	25	3	.284	1 1/2	1 1/4	1 1/32	1/16	2 1/2	1.3
H40P25	P1	1/2 - 1 3/4	4.26	3.989	25	4	.284	2 3/16	1 15/16	1 21/32	0	3	2.0
H40H26	H	3/8 - 1 1/2	4.42	4.148	26	3	.284	1 1/2	1 1/4	1 1/32	1/16	2 1/2	1.4
H40P26	P1	1/2 - 1 3/4	4.42	4.148	26	4	.284	2 3/16	1 15/16	1 21/32	0	3	2.0
H40H27	H	3/8 - 1 1/2	4.58	4.307	27	3	.284	1 1/2	1 1/4	1 1/32	1/16	2 1/2	1.4
H40P27	P1	1/2 - 1 3/4	4.58	4.307	27	4	.284	2 3/16	1 15/16	1 21/32	0	3	2.1
H40H28	H	3/8 - 1 1/2	4.74	4.466	28	3	.284	1 1/2	1 1/4	1 1/32	1/16	2 1/2	1.5
H40P28	P1	1/2 - 1 3/4	4.74	4.466	28	4	.284	2 3/16	1 15/16	1 21/32	0	3	2.2
H40P29	P1	1/2 - 1 3/4	4.90	4.625	29	4	.284	2 3/16	1 15/16	1 21/32	0	3	2.3
H40H30	H	3/8 - 1 1/2	5.06	4.783	30	3	.284	1 1/2	1 1/4	1 1/32	1/16	2 1/2	1.6
H40P30	P1	1/2 - 1 3/4	5.06	4.783	30	4	.284	2 3/16	1 15/16	1 21/32	0	3	2.4
H40H32	H	3/8 - 1 1/2	5.38	5.101	32	3	.284	1 1/2	1 1/4	1 1/32	1/16	2 1/2	1.8
H40H33	H	3/8 - 1 1/2	5.54	5.260	33	3	.284	1 1/2	1 1/4	1 1/32	1/16	2 1/2	1.9
H40H35	H	3/8 - 1 1/2	5.86	5.578	35	3	.284	1 1/2	1 1/4	1 1/32	1/16	2 1/2	2.1
H40H36	H	3/8 - 1 1/2	6.02	5.737	36	3	.284	1 1/2	1 1/4	1 1/32	1/16	2 1/2	2.3
H40H38	H	3/8 - 1 1/2	6.33	6.055	38	3	.284	1 1/2	1 1/4	1 1/32	1/16	2 1/2	2.6
H40H40	H	3/8 - 1 1/2	6.65	6.373	40	3	.284	1 1/2	1 1/4	1 1/32	1/16	2 1/2	2.8
40P31	P1	1/2 - 1 3/4	5.22	4.942	31	4	.284	2 3/16	1 15/16	1 21/32	0	3	2.5
40P32	P1	1/2 - 1 3/4	5.38	5.101	32	4	.284	2 3/16	1 15/16	1 21/32	0	3	2.6
40P33	P1	1/2 - 1 3/4	5.54	5.260	33	4	.284	2 3/16	1 15/16	1 21/32	0	3	2.6

LARGER SIZES ON NEXT PAGE

Where two sprockets with the same number of teeth but different bushings are offered, we suggest using the sprocket bushing for heavier service drives.



TYPE 3



TYPE 4

Standard Keyseats

Table No. 3

Bore Range	Keyseat
3/8" - 7/16"	None
1/2 - 9/16	1/8" X 1/16"
5/8 - 7/8	3/16 X 3/32
15/16 - 1 1/4	1/4 X 1/8
1 5/16 - 1 3/8	5/16 X 5/32
1 7/16 - 1 3/4	3/8 X 3/16

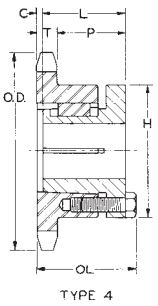
1 3/8" Bore Bushings also available with 3/8" x 3/16" Keyseat.

H

Table No. 1

Steel Single Sprockets with Browning Split Taper® Bushings

Part No.	Bushing	Bore Range	DIAMETERS		No. Teeth	Type	DIMENSIONS						Wt. Less Bushing
			Outside	Pitch			T Nom.	OL	L	P	C	H	
SMALLER SIZES ON PRECEDING PAGE													
40P34	P1	1/2-1 3/4"	5.70"	5.419"	34	4	.284"	2 3/16"	1 15/16"	1 21/32"	0	3"	2.8
40P35	P1	1/2-1 3/4	5.86	5.578	35	4	.284	2 3/16	1 15/16	1 21/32	0	3	2.9
40P36	P1	1/2-1 3/4	6.02	5.737	36	4	.284	2 3/16	1 15/16	1 21/32	0	3	3.1
40P37	P1	1/2-1 3/4	6.18	5.896	37	4	.284	2 3/16	1 15/16	1 21/32	0	3	3.3
40P38	P1	1/2-1 3/4	6.33	6.055	38	4	.284	2 3/16	1 15/16	1 21/32	0	3	3.3
40P40	P1	1/2-1 3/4	6.65	6.373	40	4	.284	2 3/16	1 15/16	1 21/32	0	3	3.5
40P41	P1	1/2-1 3/4	6.81	6.532	41	4	.284	2 3/16	1 15/16	1 21/32	0	3	3.6
40P42	P1	1/2-1 3/4	6.97	6.691	42	4	.284	2 3/16	1 15/16	1 21/32	0	3	3.9
40P44	P1	1/2-1 3/4	7.29	7.009	44	4	.284	2 3/16	1 15/16	1 21/32	0	3	4.0
40P45	P1	1/2-1 3/4	7.45	7.168	45	4	.284	2 3/16	1 15/16	1 21/32	0	3	4.2
40P47	P1	1/2-1 3/4	7.77	7.486	47	4	.284	2 3/16	1 15/16	1 21/32	0	3	4.6
40P48	P1	1/2-1 3/4	7.93	7.645	48	4	.284	2 3/16	1 15/16	1 21/32	0	3	4.8
40P50	P1	1/2-1 3/4	8.25	7.963	50	4	.284	2 3/16	1 15/16	1 21/32	0	3	5.0
40P54	P1	1/2-1 3/4	8.89	8.599	54	4	.284	2 3/16	1 15/16	1 21/32	0	3	5.5
40P56	P1	1/2-1 3/4	9.20	8.917	56	4	.284	2 3/16	1 15/16	1 21/32	0	3	5.9
40P60	P1	1/2-1 3/4	9.84	9.554	60	4	.284	2 3/16	1 15/16	1 21/32	0	3	6.6
40Q60	Q1	3/4-2 11/16	9.84	9.554	60	4	.284	2 25/32	2 1/2	2 7/32	0	4 1/8	8.8
40P70	P1	1/2-1 3/4	11.43	11.145	70	4	.284	2 3/16	1 15/16	1 21/32	0	3	8.6
40Q70	Q1	3/4-2 11/16	11.43	11.145	70	4	.284	2 25/32	2 1/2	2 7/32	0	4 1/8	11.0
40Q72	Q1	3/4-2 11/16	11.75	11.463	72	4	.284	2 25/32	2 1/2	2 7/32	0	4 1/8	11.2
40Q80	Q1	3/4-2 11/16	13.03	12.736	80	4	.284	2 25/32	2 1/2	2 7/32	0	4 1/8	13.1
40Q84	Q1	3/4-2 11/16	13.66	13.372	84	4	.284	2 25/32	2 1/2	2 7/32	0	4 1/8	14.1
40Q96	Q1	3/4-2 11/16	15.57	15.281	96	4	.284	2 25/32	2 1/2	2 7/32	0	4 1/8	17.3
40Q112	Q1	3/4-2 11/16	18.12	17.828	112	4	.284	2 25/32	2 1/2	2 7/32	0	4 1/8	12.8



TYPE 4

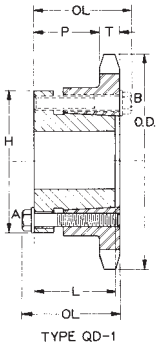
Where two sprockets with the same number of teeth but different bushings are offered, we suggest using the sprocket bushing for heavier service drives.

Table No. 2

Steel Single Sprockets with Q-D® Bushings

Part No.	Bushing	Bore Range	DIAMETERS		No. Teeth	Type	DIMENSIONS					Wt. Less Bushing
			Outside	Pitch			T Norm.	OL	L	P	H	
H40JA15*	JA	1/2 - 1 1/4	2.65	2.405	15	QD-1	.284"	1 5/16	1	7/8	2	.34
H40JA16	JA	1/2 - 1 1/4	2.81	2.563	16	QD-1	.284	1 5/16	1	7/8	2	.43
H40JA17	JA	1/2 - 1 1/4	2.98	2.721	17	QD-1	.284	1 5/16	1	7/8	2	.53
H40JA18	JA	1/2 - 1 1/4	3.14	2.879	18	QD-1	.284	1 5/16	1	7/8	2	.58
H40JA19	JA	1/2 - 1 1/4	3.30	3.038	19	QD-1	.284	1 5/16	1	7/8	2	.64
H40SH20*	SH	1/2 - 1 5/8	3.46	3.196	20	QD-1	.284	1 23/32	1 5/16	1 7/32	2 11/16	.86
H40SH21	SH	1/2 - 1 5/8	3.62	3.355	21	QD-1	.284	1 23/32	1 5/16	1 7/32	2 11/16	1.07
H40SH22	SH	1/2 - 1 5/8	3.78	3.513	22	QD-1	.284	1 23/32	1 5/16	1 7/32	2 11/16	1.17
H40SH23	SH	1/2 - 1 5/8	3.94	3.672	23	QD-1	.284	1 23/32	1 5/16	1 7/32	2 11/16	1.27
H40SH24	SH	1/2 - 1 5/8	4.10	3.831	24	QD-1	.284	1 23/32	1 5/16	1 7/32	2 11/16	1.35
H40SH25	SH	1/2 - 1 5/8	4.26	3.989	25	QD-1	.284	1 23/32	1 5/16	1 7/32	2 11/16	1.42
H40SH26	SH	1/2 - 1 5/8	4.42	4.148	26	QD-1	.284	1 23/32	1 5/16	1 7/32	2 11/16	1.50
H40SH27	SH	1/2 - 1 5/8	4.58	4.307	27	QD-1	.284	1 23/32	1 5/16	1 7/32	2 11/16	1.57
H40SH28	SH	1/2 - 1 5/8	4.74	4.466	28	QD-1	.284	1 23/32	1 5/16	1 7/32	2 11/16	1.65
H40SH30	SH	1/2 - 1 5/8	5.06	4.783	30	QD-1	.284	1 23/32	1 5/16	1 7/32	2 11/16	1.82
40SH32	SH	1/2 - 1 5/8	5.38	5.101	32	QD-1	.284	1 23/32	1 5/16	1 7/32	2 11/16	1.99
40SH35	SH	1/2 - 1 5/8	5.86	5.578	35	QD-1	.284	1 23/32	1 5/16	1 7/32	2 11/16	2.27
40SDS36	SDS	1/2 - 2	6.02	5.737	36	QD-1	.284	1 21/32	1 13/16	1 5/32	3 1/8	2.26
40SDS40	SDS	1/2 - 2	6.65	6.373	40	QD-1	.284	1 21/32	1 13/16	1 5/32	3 1/8	2.69
40SDS42	SDS	1/2 - 2	6.97	6.691	42	QD-1	.284	1 21/32	1 13/16	1 5/32	3 1/8	2.92
40SDS45	SDS	1/2 - 2	7.45	7.168	45	QD-1	.284	1 21/32	1 13/16	1 5/32	3 1/8	3.29
40SDS48	SDS	1/2 - 2	7.93	7.645	48	QD-1	.284	1 21/32	1 13/16	1 5/32	3 1/8	3.68
40SDS54	SDS	1/2 - 2	8.89	8.599	54	QD-1	.284	1 21/32	1 13/16	1 5/32	3 1/8	4.54
40SDS60	SDS	1/2 - 2	9.84	9.554	60	QD-1	.284	1 21/32	1 13/16	1 5/32	3 1/8	5.5
40SK70	SK	1/2 - 2 5/8	11.43	11.145	70	QD-1	.284	2 11/32	1 15/16	1 25/32	3 7/8	8.3
40SK72	SK	1/2 - 2 5/8	11.75	11.463	72	QD-1	.284	2 11/32	1 15/16	1 25/32	3 7/8	8.7
40SK80	SK	1/2 - 2 5/8	13.03	12.736	80	QD-1	.284	2 11/32	1 15/16	1 25/32	3 7/8	10.4
40SK84	SK	1/2 - 2 5/8	13.66	13.372	84	QD-1	.284	2 11/32	1 15/16	1 25/32	3 7/8	11.4
40SK96	SK	1/2 - 2 5/8	15.57	15.281	96	QD-1	.284	2 11/32	1 15/16	1 25/32	3 7/8	14.4
40SK112	SK	1/2 - 2 5/8	18.12	17.828	112	QD-1	.284	2 11/32	1 15/16	1 25/32	3 7/8	19.1

HARDENED TEETH →



TYPE QD-1

*** Bushings mounts with capscrews on "A" side only**

Sprockets for No. 40, 1/2" Pitch ANSI Chain

Table No. 1 **Steel Finished Bore Single Sprockets**

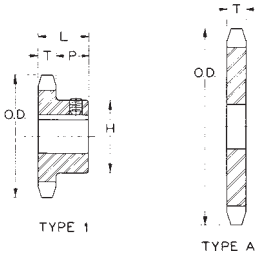
Part No.	DIAMETERS Outside	DIAMETERS Pitch	No. Teeth	Type	STOCK BORES MARKED "X" 1/2"	5/8"	3/4"	7/8"	1"	1 1/8"	1 3/16"	1 1/4"	1 3/8"	1 7/16"	1 1/2"	1 11/6"	DIMENSIONS T Nom.	L Max.	P	Wt. Lbs.
STOCK Steel Sprockets																				
H409	1.67"	1.462"	9	1	x	x	-	-	-	-	-	-	-	-	-	-	.284"	7/8"	19/32"	.2
H4010	1.84	1.618	10	1	x	x	x	-	-	-	-	-	-	-	-	-	.284	7/8	19/32	.3
H4011	2.00	1.775	11	1	x	x	x	x	-	-	-	-	-	-	-	-	.284	7/8	19/32	.4
H4012	2.17	1.932	12	1	x	x	x	x	x	-	-	-	-	-	-	-	.284	7/8	19/32	.4
H4013	2.30	2.089	13	1	x	x	x	x	x	-	-	-	-	-	-	-	.284	7/8	19/32	.5
H4014	2.49	2.247	14	1	x	x	x	x	x	x	-	-	-	-	-	-	.284	7/8	19/32	.6
H4015	2.65	2.405	15	1	x	x	x	x	x	x	x	x	-	-	-	-	.284	7/8	19/32	.7
H4016	2.80	2.563	16	1	-	x	x	x	x	x	x	x	-	-	-	-	.284	7/8	19/32	.8
H4017	2.96	2.721	17	1	-	x	x	x	x	x	x	x	-	-	-	-	.284	7/8	19/32	.9
H4018	3.14	2.879	18	1	-	x	x	x	x	x	x	x	x	x	x	-	.284	7/8	19/32	1.1
H4019	3.30	3.038	19	1	-	x	x	x	x	x	x	x	x	x	x	-	.284	7/8	19/32	1.2
H4020	3.45	3.196	20	1	-	x	x	x	x	x	x	x	x	x	x	-	.284	15/16	21/32	1.4
H4021	3.62	3.355	21	1	-	x	x	x	x	x	x	x	x	x	x	-	.284	15/16	21/32	1.6
H4022	3.75	3.513	22	1	-	x	x	x	x	x	x	x	x	x	x	-	.284	15/16	21/32	1.7
H4023	3.94	3.672	23	1	-	x	x	x	x	x	x	x	x	x	x	-	.284	15/16	21/32	1.7
H4024	4.10	3.831	24	1	-	x	x	x	x	x	x	x	x	x	x	-	.284	15/16	21/32	1.8
H4025	4.26	3.989	25	1	-	x	x	x	x	x	x	x	-	x	x	-	.284	15/16	21/32	1.8
H4026	4.42	4.148	26	1	-	x	x	x	x	x	x	x	-	x	x	-	.284	15/16	21/32	1.9
H4027	4.58	4.307	27	1	-	x	x	x	x	x	x	x	-	x	x	-	.284	15/16	21/32	2.0
H4028	4.74	4.466	28	1	-	x	x	x	x	x	x	x	-	x	x	-	.284	15/16	21/32	2.0
H4029	4.90	4.625	29	1	-	x	x	x	x	x	x	x	-	x	x	-	.284	15/16	21/32	2.1
H4030	5.06	4.783	30	1	-	x	x	x	x	x	x	x	-	x	x	-	.284	15/16	21/32	2.1
4031	5.22	4.942	31	1	-	-	-	-	x	-	-	-	-	-	-	-	.284	15/16	21/32	2.3
4032	5.38	5.101	32	1	-	-	x	x	x	x	x	x	-	x	x	-	.284	15/16	21/32	2.4
4033	5.54	5.250	33	1	-	-	-	-	x	-	x	-	-	-	-	-	.284	15/16	21/32	2.5
4034	5.70	5.419	34	1	-	-	-	-	x	-	-	x	-	-	-	-	.284	15/16	21/32	2.6
4035	5.86	5.578	35	1	-	-	x	-	x	-	-	x	-	x	x	-	.284	15/16	21/32	2.7
4036	6.02	5.737	36	1	-	-	x	x	x	x	-	x	-	x	x	-	.284	15/16	21/32	2.8
4037	6.18	5.895	37	1	-	-	-	-	x	-	-	-	-	-	-	-	.284	15/16	21/32	2.9
4038	6.33	6.055	38	1	-	-	x	-	x	-	-	x	-	-	-	-	.284	15/16	21/32	3.1
4040	6.65	6.373	40	1	-	-	x	-	x	x	-	x	-	-	x	-	.284	15/16	21/32	3.2
4042	6.97	6.691	42	1	-	-	-	-	x	-	-	x	-	-	-	-	.284	15/16	21/32	3.4
4044	7.29	7.009	44	1	-	-	x	-	x	-	-	-	-	-	-	-	.284	15/16	21/32	3.7
4045	7.45	7.168	45	1	-	-	-	-	x	-	-	x	-	x	x	-	.284	15/16	21/32	3.9
4048	7.93	7.645	48	1	-	-	x	-	x	-	-	x	x	x	-	-	.284	15/16	21/32	4.3
4051	8.41	8.122	51	1	-	-	-	-	-	-	-	-	-	-	-	x	.284	15/16	21/32	4.7
4054	8.89	8.599	54	1	-	-	-	-	x	-	-	x	-	-	x	-	.284	15/16	21/32	5.1
4056	9.20	8.917	56	1	-	-	x	-	-	-	-	-	-	-	-	-	.284	15/16	21/32	5.5
4060	9.84	9.554	60	1	-	-	-	-	x	x	-	x	x	x	x	-	.284	15/16	21/32	6.2
4080	13.03	12.736	80	1	-	-	-	-	x	-	-	-	-	-	-	-	.284	15/16	21/32	10.0

HARDENED TEETH

All Stocked Finished Bore Sprockets are furnished with Standard Keyway on Centerline of Tooth and Hollow Head Setscrew over Keyway, except 1/2" bores and smaller which have setscrews only. Stock Sprokets with HARDENED TEETH have additional Setscrew at 90° to Keyway.

Table No. 2 **Type "A" Steel Plate Sprockets**

Part No.	Outside Dia.	Pitch Dia.	No. Teeth	Stock Bore	T (Nom.)	Wt. Lbs.	Part No.	Outside Dia.	Pitch Dia.	No. Teeth	Stock Bore	T (Nom.)	Wt. Lbs
40A12	2.17"	1.932"	12	1/2"	.284"	.2	**40A41**	6.81"	6.532"	41	5/8	.284	2.3
40A13	2.30	2.089	13	1/2	.284	.2	**40A42**	6.97	6.691	42	5/8	.284	2.5
40A14	2.49	2.247	14	1/2	.284	.3	**40A43**	7.13	6.850	43	5/8	.284	2.6
40A15	2.65	2.405	15	5/8	.284	.3	**40A44**	7.29	7.009	44	5/8	.284	2.7
40A16	2.80	2.563	16	5/8	.284	.3	**40A45**	7.45	7.168	45	5/8	.284	2.8
40A17	2.96	2.721	17	5/8	.284	.3	**40A46**	7.61	7.327	46	5/8	.284	3.0
40A18	3.14	2.879	18	5/8	.284	.4	**40A47**	7.77	7.486	47	5/8	.284	3.1
40A19	3.30	3.038	19	5/8	.284	.4	**40A48**	7.93	7.645	48	5/8	.284	3.2
40A20	3.45	3.196	20	5/8	.284	.5	**40A49**	8.09	7.804	49	5/8	.284	3.4
40A21	3.62	3.355	21	5/8	.284	.5	**40A50**	8.25	7.963	50	5/8	.284	3.5
40A22	3.75	3.513	22	5/8	.284	.6	**40A51**	8.41	8.122	51	5/8	.284	3.6
40A23	3.94	3.672	23	5/8	.284	.7	**40A52**	8.57	8.281	52	5/8	.284	3.8
40A24	4.10	3.831	24	5/8	.284	.8	**40A53**	8.73	8.440	53	5/8	.284	3.9
40A25	4.26	3.989	25	5/8	.284	.8	**40A54**	8.89	8.599	54	5/8	.284	4.1
40A26	4.42	4.148	26	5/8	.284	.9	**40A55**	9.04	8.758	55	5/8	.284	4.2
40A27	4.58	4.307	27	5/8	.284	1.0	**40A56**	9.20	8.917	56	5/8	.284	4.4
40A28	4.74	4.466	28	5/8	.284	1.1	**40A57**	9.36	9.076	57	5/8	.284	4.6
40A29	4.90	4.625	29	5/8	.284	1.2	**40A58**	9.52	9.236	58	5/8	.284	4.7
40A30	5.06	4.783	30	5/8	.284	1.2	**40A59**	9.68	9.395	59	5/8	.284	4.9
40A31	5.22	4.942	31	5/8	.284	1.3	**40A60**	9.84	9.554	60	5/8	.284	5.1
40A32	5.38	5.101	32	5/8	.284	1.3	**40A64**	10.48	10.190	64	5/8	.284	6.3
40A33	5.54	5.260	33	5/8	.284	1.4	**40A70**	11.43	11.145	70	5/8	.284	7.8
40A34	5.70	5.419	34	5/8	.284	1.5	**40A72**	11.75	11.463	72	5/8	.284	8.3
40A35	5.86	5.578	35	5/8	.284	1.6	**40A80**	13.03	12.736	80	5/8	.284	10.2
40A36	6.02	5.737	36	5/8	.284	1.8	**40A84**	13.66	13.372	84	3/4	.284	11.3
40A37	6.18	5.896	37	5/8	.284	1.9	**40A96**	15.57	15.281	96	3/4	.284	14.7
40A38	6.33	6.055	38	5/8	.284	2.0	**40A102**	16.53	16.236	102	3/4	.284	16.6
40A39	6.49	6.214	39	5/8	.284	2.1	**40A112**	18.12	17.828	112	3/4	.284	20.0
40A40	6.55	6.373	40	5/8	.284	2.2	**40A120**	19.39	19.101	120	3/4	.284	23.0



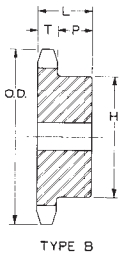


Table No. 1

Steel Type "B" Minimum Bore Sprockets

Part No.	DIAMETERS		No. Teeth	Type	BORE		DIMENSIONS				Wt. Lbs.
	Outside	Pitch			Stock	Max. *	T Nom.	L	P	H	
40B8	1.50"	1.307"	8	B	1/2"	1/2"	.284"	7/8"	19/32"	31/32"†	.1
40B9	1.67	1.462	9	B	1/2	9/16	.284	7/8	19/32	1 1/8†	.2
40B10	1.84	1.618	10	B	1/2	3/4	.284	7/8	19/32	1 9/32†	.3
40B11	2.00	1.775	11	B	1/2	7/8	.284	7/8	19/32	1 7/16†	.3
40B12	2.17	1.932	12	B	1/2	1	.284	7/8	19/32	1 19/32†	.4
40B13	2.30	2.089	13	B	1/2	1 1/16	.284	7/8	19/32	1 3/4†	.5
40B14	2.49	2.247	14	B	1/2	1 1/8	.284	7/8	19/32	1 57/64†	.6
40B15	2.65	2.405	15	B	1/2	1 1/4	.284	7/8	19/32	2 1/16†	.7
40B16	2.80	2.563	16	B	5/8	1 3/8	.284	7/8	19/32	2 1/16	.8
40B17	2.96	2.721	17	B	5/8	1 7/16	.284	7/8	19/32	2 3/16	.9
40B18	3.14	2.879	18	B	5/8	1 1/2	.284	7/8	19/32	2 3/8	1.1
40B19	3.30	3.038	19	B	5/8	1 3/4	.284	7/8	19/32	2 1/2	1.4
40B20	3.45	3.196	20	B	5/8	1 7/8	.284	15/16	21/32	2 5/8	1.6
40B21	3.62	3.355	21	B	5/8	1 7/8	.284	15/16	21/32	2 3/4	1.7
40B22	3.75	3.513	22	B	5/8	1 7/8	.284	15/16	21/32	2 7/8	1.9
40B23	3.94	3.672	23	B	5/8	2	.284	15/16	21/32	3	2.1
40B24	4.10	3.831	24	B	5/8	2 1/4	.284	15/16	21/32	3 1/4	2.4
40B25	4.26	3.989	25	B	5/8	2 1/4	.284	15/16	21/32	3 1/4	2.5
40B26	4.42	4.148	26	B	5/8	2 1/4	.284	15/16	21/32	3 1/4	2.5
40B27	4.58	4.307	27	B	5/8	2 1/4	.284	15/16	21/32	3 1/4	2.6
40B28	4.74	4.466	28	B	5/8	2 1/4	.284	15/16	21/32	3 1/4	2.7
40B29	4.90	4.625	29	B	5/8	2 1/4	.284	15/16	21/32	3 1/4	2.74
40B30	5.06	4.783	30	B	5/8	2 1/4	.284	15/16	21/32	3 1/4	2.9
40B31	5.22	4.942	31	B	5/8	2 1/4	.284	15/16	21/32	3 1/4	3.15
40B32	5.38	5.101	32	B	5/8	2 1/4	.284	15/16	21/32	3 1/4	3.1
40B33	5.54	5.260	33	B	5/8	2 1/4	.284	15/16	21/32	3 1/4	3.2
40B34	5.70	5.419	34	B	5/8	2 1/4	.284	15/16	21/32	3 1/4	3.3
40B35	5.86	5.578	35	B	5/8	2 1/4	.284	15/16	21/32	3 1/4	3.4
40B36	6.02	5.737	36	B	5/8	2 1/4	.284	15/16	21/32	3 1/4	3.5
40B37	6.18	5.896	37	B	5/8	2 1/4	.284	15/16	21/32	3 1/4	3.72
40B38	6.33	6.055	38	B	5/8	2 1/4	.284	15/16	21/32	3 1/4	3.8
40B39	6.49	6.214	39	B	5/8	2 3/8	.284	15/16	21/32	3 1/2	3.96
40B40	6.65	6.373	40	B	5/8	2 3/8	.284	15/16	21/32	3 1/2	4.3
40B41	6.81	6.532	41	B	5/8	2 3/8	.284	15/16	21/32	3 1/2	4.4
40B42	6.97	6.691	42	B	5/8	2 3/8	.284	15/16	21/32	3 1/2	4.5
40B43	7.13	6.85	43	B	5/8	2 3/8	.284	15/16	21/32	3 1/2	4.75
40B44	7.29	7.009	44	B	5/8	2 3/8	.284	15/16	21/32	3 1/2	4.64
40B45	7.45	7.168	45	B	5/8	2 3/8	.284	15/16	21/32	3 1/2	4.9
40B46	7.61	7.327	46	B	5/8	2 3/8	.284	15/16	21/32	3 1/2	5.11
40B47	7.77	7.486	47	B	5/8	2 3/8	.284	15/16	21/32	3 1/2	5.2
40B48	7.93	7.645	48	B	5/8	2 3/8	.284	15/16	21/32	3 1/2	5.4
40B49	8.09	7.804	49	B	5/8	2 3/8	.284	15/16	21/32	3 1/2	5.38
40B50	8.25	7.963	50	B	5/8	2 3/8	.284	15/16	21/32	3 1/2	5.7
40B51	8.41	8.122	51	B	5/8	2 3/8	.284	15/16	21/32	3 1/2	5.32
40B52	8.57	8.281	52	B	5/8	2 3/8	.284	15/16	21/32	3 1/2	5.87
40B53	8.73	8.440	53	B	5/8	2 3/8	.284	15/16	21/32	3 1/2	6.04
40B54	8.89	8.599	54	B	5/8	2 3/8	.284	15/16	21/32	3 1/2	6.4
40B55	9.04	8.758	55	B	5/8	2 3/8	.284	15/16	21/32	3 1/2	6.38
40B56	9.20	8.917	56	B	5/8	2 3/8	.284	15/16	21/32	3 1/2	6.56
40B57	9.36	9.076	57	B	5/8	2 3/8	.284	15/16	21/32	3 1/2	6.74
40B58	9.52	9.236	58	B	5/8	2 3/8	.284	15/16	21/32	3 1/2	7.18
40B59	9.68	9.395	59	B	5/8	2 3/8	.284	15/16	21/32	3 1/2	7.18
40B60	9.84	9.554	60	B	5/8	2 3/8	.284	15/16	21/32	3 1/2	7.5
40B70	11.43	11.145	70	B	5/8	2 3/4	.284	15/16	21/32	4	10.1
40B72	11.75	11.463	72	B	5/8	2 3/4	.284	15/16	21/32	4	10.5
40B80	13.03	12.736	80	B	5/8	2 3/4	.284	15/16	21/32	4	12.5
40B84	13.66	13.372	84	B	3/4	2 3/4	.284	1	23/32	4	13.7
40B86	15.57	15.281	86	B	3/4	2 3/4	.284	1	23/32	4	17.2
40B112	18.12	17.828	112	B	3/4	2 3/4	.284	1	23/32	4	22.5

Standard Keyseats

Table No. 2

Bore Range	Keyseat
3/8" - 7/16"	None
1/2 - 9/16	1/8" X 1/16"
5/8 - 7/8	3/16 X 3/32
15/16 - 1 1/4	1/4 X 1/8
1 5/16 - 1 3/8	5/16 X 5/32
1 7/16 - 1 3/4	3/8 X 3/16

1 3/8" Bore Bushings also available with 3/8" x 3/16" Keyseat.

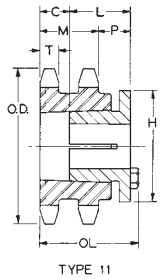
H

Sprockets for No. 40, 1/2" Pitch ANSI Chain

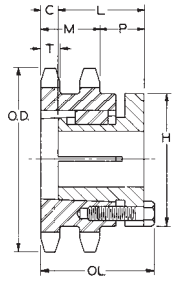
Table No. 1 — **Steel Double Sprockets with Browning Split Taper® Bushings**

HARDENED TEETH

Part No.	Bushing	Bore Range	DIAMETERS Outside	DIAMETERS Pitch	No. Teeth	Type	DIMENSIONS T	M	OL	L	P	C	H	Wt. Less Bushing
D40H15	H	3/8 - 1 1/2"	2.65"	2.405"	15	11	.275"	.841"	2 5/32"	1 1/4"	1 1/8"	23/32"	2 1/2"	.9
D40H16	H	3/8 - 1 1/2"	2.80	2.563	16	11	.275	.841	2 5/32	1 1/4	1 1/8	23/32	2 1/2	1.0
D40H17	H	3/8 - 1 1/2"	2.96	2.721	17	11	.275	.841	2 5/32	1 1/4	1 1/8	23/32	2 1/2	1.1
D40P18	P1	1/2 - 1 3/4	3.14	2.879	18	12	.275	.841	2 15/32	1 15/16	1 7/16	21/64	3	1.8
D40P19	P1	1/2 - 1 3/4	3.30	3.038	19	12	.275	.841	2 15/32	1 15/16	1 7/16	21/64	3	1.4
D40P20	P1	1/2 - 1 3/4	3.45	3.196	20	12	.275	.841	2 13/32	1 15/16	1 3/8	7/32	3	1.6
D40P21	P1	1/2 - 1 3/4	3.62	3.355	21	12	.275	.841	2 13/32	1 15/16	1 3/8	7/32	3	1.8
D40P22	P1	1/2 - 1 3/4	3.75	3.513	22	12	.275	.841	2 13/32	1 15/16	1 3/8	7/32	3	2.0
D40P23	P1	1/2 - 1 3/4	3.94	3.672	23	12	.275	.841	2 3/16	1 15/16	1 3/32	0	3	2.0
D40P24	P1	1/2 - 1 3/4	4.10	3.381	24	12	.275	.841	2 3/16	1 15/16	1 3/32	0	3	2.2
D40P25	P1	1/2 - 1 3/4	4.26	3.989	25	12	.275	.841	2 3/16	1 15/16	1 3/32	0	3	2.5
D40P26	P1	1/2 - 1 3/4	4.42	4.148	26	12	.275	.841	2 3/16	1 15/16	1 3/32	0	3	2.7
D40P28	P1	1/2 - 1 3/4	4.70	4.466	28	12	.275	.841	2 3/16	1 15/16	1 3/32	0	3	3.1
D40Q30	Q1	3/4 - 2 11/16	5.06	4.783	30	12	.275	.841	2 25/32	2 1/2	1 21/32	0	4 1/8	4.2
D40Q32	Q1	3/4 - 2 11/16	5.38	5.101	32	12	.275	.841	2 25/32	2 1/2	1 21/32	0	4 1/8	5.3
D40Q35	Q1	3/4 - 2 11/16	5.86	5.578	35	12	.275	.841	2 25/32	2 1/2	1 21/32	0	4 1/8	6.1
D40Q36	Q1	3/4 - 2 11/16	6.02	5.737	36	12	.275	.841	2 25/32	2 1/2	1 21/32	0	4 1/8	6.5
D40Q40	Q1	3/4 - 2 11/16	6.65	6.373	40	12	.275	.841	2 25/32	2 1/2	1 21/32	0	4 1/8	7.9
D40Q42	Q1	3/4 - 2 11/16	6.97	6.691	42	12	.275	.841	2 25/32	2 1/2	1 21/32	0	4 1/8	8.9
D40Q45	Q1	3/4 - 2 11/16	7.45	7.168	45	12	.275	.841	2 25/32	2 1/2	1 21/32	0	4 1/8	10.1
D40Q48	Q1	3/4 - 2 11/16	7.93	7.645	48	12	.275	.841	2 25/32	2 1/2	1 21/32	0	4 1/8	11.8
D40Q52	Q1	3/4 - 2 11/16	8.57	8.281	52	12	.275	.841	2 25/32	2 1/2	1 21/32	0	4 1/8	12.6
D40Q54	Q1	3/4 - 2 11/16	8.89	8.599	54	12	.275	.841	2 25/32	2 1/2	1 21/32	0	4 1/8	14.3
D40Q60	Q1	3/4 - 2 11/16	9.84	9.554	60	12	.275	.841	2 25/32	2 1/2	1 21/32	0	4 1/8	17.4
D40Q68	Q1	3/4 - 2 11/16	11.12	10.826	68	12	.275	.841	2 25/32	2 1/2	1 21/32	0	4 1/8	21.5
D40Q72	Q1	3/4 - 2 11/16	11.75	11.463	72	12	.275	.841	2 25/32	2 1/2	1 21/32	0	4 1/8	25.0
D40Q76	Q1	3/4 - 2 11/16	12.39	12.099	76	12	.275	.841	2 25/32	2 1/2	1 21/32	0	4 1/8	26.9
D40Q84	Q1	3/4 - 2 11/16	13.66	13.372	84	12	.275	.841	2 25/32	2 1/2	1 21/32	0	4 1/8	34.1
D40Q95	Q1	3/4 - 2 11/16	15.41	15.122	95	12	.275	.841	2 25/32	2 1/2	1 21/32	0	4 1/8	42.0
D40Q96	Q1	3/4 - 2 11/16	15.57	15.281	96	12	.275	.841	2 25/32	2 1/2	1 21/32	0	4 1/8	44.1
D40Q102	Q1	3/4 - 2 11/16	16.53	16.236	102	12	.275	.841	2 25/32	2 1/2	1 21/32	0	4 1/8	48.5
D40Q112	Q1	3/4 - 2 11/16	18.12	17.828	112	12	.275	.841	2 25/32	2 1/2	1 21/32	0	4 1/8	61.0



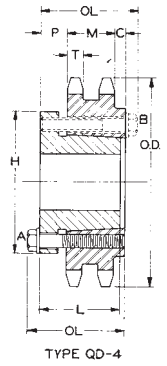
TYPE 11



TYPE 12

Table No. 2 — **Steel Double Sprockets with Q-D® Bushings**

Part No.	Bushing	Bore Range	DIAMETERS Outside	DIAMETERS Pitch	Type	No. Teeth	DIMENSIONS T	M	OL	L	P	C	H	Wt. Less Bushing
D40SK36	SK	1/2-2 5/8	6.02"	5.737"	QD-4	36	.275"	.841"	2 11/32"	1 15/16"	13/16"	13/32"	3 7/8"	5.1
D40SK40	SK	1/2-2 5/8	6.65	6.373	QD-4	40	.275	.841	2 11/32	1 15/16	13/16	13/32	3 7/8	6.5
D40SK42	SK	1/2-2 5/8	6.97	6.691	QD-4	42	.275	.841	2 11/32	1 15/16	13/16	13/32	3 7/8	7.2
D40SK45	SK	1/2-2 5/8	7.45	7.168	QD-4	45	.275	.841	2 11/32	1 15/16	13/16	13/32	3 7/8	8.4
D40SK48	SK	1/2-2 5/8	7.93	7.645	QD-4	48	.275	.841	2 11/32	1 15/16	13/16	13/32	3 7/8	9.7
D40SK52	SK	1/2-2 5/8	8.57	8.281	QD-4	52	.275	.841	2 11/32	1 15/16	13/16	13/32	3 7/8	11.6
D40SK54	SK	1/2-2 5/8	8.89	8.599	QD-4	54	.275	.841	2 11/32	1 15/16	13/16	13/32	3 7/8	12.6
D40SK60	SK	1/2-2 5/8	9.84	9.554	QD-4	60	.275	.841	2 11/32	1 15/16	13/16	13/32	3 7/8	15.7
D40SF68	SF	1/2-2 15/16	11.12	10.826	QD-4	68	.275	.841	2 15/32	2 1/16	7/8	13/32	4 5/8	20.5
D40SF72	SF	1/2-2 15/16	11.75	11.463	QD-4	72	.275	.841	2 15/32	2 1/16	7/8	13/32	4 5/8	23.1
D40SF76	SF	1/2-2 15/16	12.39	12.099	QD-4	76	.275	.841	2 15/32	2 1/16	7/8	13/32	4 5/8	25.8
D40SF84	SF	1/2-2 15/16	13.66	13.372	QD-4	84	.275	.841	2 15/32	2 1/16	7/8	13/32	4 5/8	31.8
D40SF95	SF	1/2-2 15/16	15.41	15.122	QD-4	95	.275	.841	2 15/32	2 1/16	7/8	13/32	4 5/8	41.0



TYPE QD-4

Steel Double Type "B" Minimum Bore Sprockets

Table No. 3 — **HARDENED TEETH**

Part No.	DIAMETERS Outside	DIAMETERS Pitch	No. Teeth	Type	BORE Stock	BORE Max.*	DIMENSIONS T	M	L Max.	P	H	Wt. Lbs.
D40B11	2.00"	1.775"	11	DB	1/2"	3/4"	.275"	.841"	1 1/2"	21/32"	1 7/16"†	.4
D40B12	2.17	1.932	12	DB	1/2"	15/16	.275	.841	1 1/2	21/32	1 19/32†	.6
D40B13	2.33	2.089	13	DB	1/2"	1	.275	.841	1 1/2	21/32	1 11/16	.7
D40B14	2.49	2.247	14	DB	1/2"	1 1/8	.275	.841	1 1/2	21/32	1 11/16	.8
D40B15	2.65	2.405	15	DB	1/2"	1 1/4	.275	.841	1 1/2	21/32	1 13/16	1.0
D40B16	2.80	2.563	16	DB	5/8	1 3/8	.275	.841	1 1/2	21/32	2	1.4
D40B17	2.96	2.721	17	DB	5/8	1 7/16	.275	.841	1 1/2	21/32	2 1/8	1.5
D40B18	3.14	2.879	18	DB	5/8	1 1/2	.275	.841	1 1/2	21/32	2 5/16	1.7
D40B19	3.28	3.038	19	DB	5/8	1 3/4	.275	.841	1 1/2	21/32	2 1/2	2.3
D40B20	3.45	3.196	20	DB	5/8	1 7/8	.275	.841	1 1/2	21/32	2 5/8	2.6
D40B21	3.62	3.355	21	DB	5/8	1 7/8	.275	.841	1 1/2	21/32	2 3/4	2.9
D40B22	3.78	3.513	22	DB	5/8	1 7/8	.275	.841	1 1/2	21/32	2 7/8	3.1

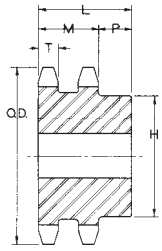
LARGER SIZES AND NOTES ON NEXT PAGE

Standard Keyseats

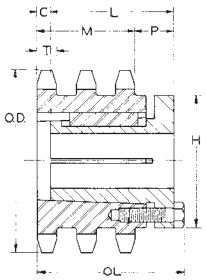
Table No. 4

Bore Range	Keyseat
1/2" - 9/16"	1/8" X 1/16"
5/8 - 7/8	3/16 X 3/32
15/16 - 1 1/4	1/4 X 1/8
1 5/16 - 1 3/8	5/16 X 5/32
1 7/16 - 1 3/4	3/8 X 3/16
1 13/16 - 2 1/4	1/2 x 1/4
2 5/16 - 2 3/4	5/8 x 5/16
2 13/16 - 3 1/4	3/4 x 3/8

1 3/8" Bore Bushings also available with 3/8" x 3/16" Keyseat.



TYPE DB



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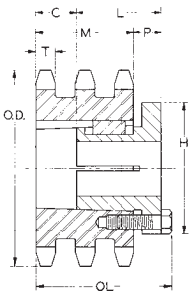

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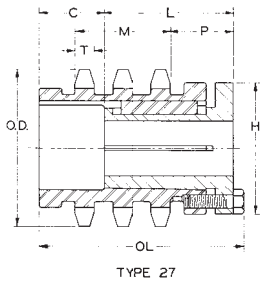

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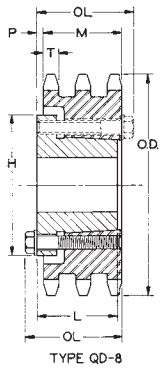


TYPE QD-8

Table No. 1 **Steel Double Type "B" Minimum Bore Sprockets**

Part No.	DIAMETERS Outside	DIAMETERS Pitch	No. Teeth	Type	BORE Stock	BORE Max.*	DIMENSIONS T	DIMENSIONS M	DIMENSIONS L Max.	DIMENSIONS P	DIMENSIONS H	Wt. Lbs.	
SMALLER SIZES ON PRECEDING PAGE													
D40B23	3.94"	3.672"	23	DB	5/8	2"	.275"	.841"	1 1/2"	21/32"	3"	3.3	↑
D40B24	4.10	3.831	24	DB	5/8	2 1/4	.275	.841	1 1/2	21/32	3 1/4	3.6	
D40B25	4.26	3.989	25	DB	5/8	2 1/4	.275	.841	1 1/2	21/32	3 1/4	3.9	
D40B26	4.42	4.148	26	DB	5/8	2 1/4	.275	.841	1 1/2	21/32	3 1/4	4.1	
D40B30	5.06	4.783	30	DB	7/8	2 1/4	.275	.841	1 1/2	21/32	3 1/4	5.1	
D40B32	5.38	5.101	32	DB	7/8	2 1/4	.275	.841	1 1/2	21/32	3 1/4	5.8	
D40B35	5.86	5.578	35	DB	7/8	2 1/4	.275	.841	1 1/2	21/32	3 1/4	6.8	
D40B36	6.02	5.737	36	DB	7/8	2 3/4	.275	.841	1 1/2	21/32	4	7.9	
D40B40	6.65	6.373	40	DB	7/8	2 3/4	.275	.841	1 3/4	29/32	4	10.1	
D40B42	6.97	6.691	42	DB	7/8	2 3/4	.275	.841	1 3/4	29/32	4	10.8	
D40B45	7.45	7.168	45	DB	7/8	2 3/4	.275	.841	1 3/4	29/32	4	12.1	
D40B48	7.93	7.645	48	DB	7/8	2 3/4	.275	.841	1 3/4	29/32	4	13.3	
D40B52	8.57	8.281	52	DB	7/8	2 3/4	.275	.841	1 3/4	29/32	4	15.2	
D40B54	8.89	8.599	54	DB	7/8	2 3/4	.275	.841	1 3/4	29/32	4	16.2	
D40B60	9.84	9.554	60	DB	7/8	2 3/4	.275	.841	1 3/4	29/32	4	19.3	↓ HARDENED TEETH
D40B68	11.12	10.826	68	DB	1 3/16	2 3/4	.275	.841	2 1/8	1 9/32	4 1/4	25.7	
D40B72	11.75	11.463	72	DB	1 3/16	2 3/4	.275	.841	2 1/8	1 9/32	4 1/4	28.3	
D40B76	12.39	12.099	76	DB	1 3/16	2 3/4	.275	.841	2 1/8	1 9/32	4 1/4	31.0	
D40B84	13.66	13.372	84	DB	1 3/16	3	.275	.841	2 1/8	1 9/32	4 1/2	37.6	
D40B96	15.57	15.281	96	DB	1 3/16	3	.275	.841	2 1/8	1 9/32	4 1/2	47.7	
D40B102	16.53	16.236	102	DB	1 3/16	3	.275	.841	2 1/8	1 9/32	4 1/4	53.3	
D40B112	18.12	17.828	112	DB	1 3/16	3	.275	.841	2 1/8	1 9/32	4 1/2	63.3	

*** Maximum bore shown is with standard keyway and setscrew over keyway. Slightly larger bores are possible with no keyway, shallow keyway or setscrew at angle to keyway**
†Hub is recessed for chain clearance.
These Type "B" sprockets are made without keyways or setscrews. They are furnished with a minimum bore which can be rebored to size and keywayed for a reasonable extra charge.

Table No. 2 **Steel Triple Sprockets with Browning Split Taper® Bushings**

Part No.	Bushing	Bore Range	DIAMETERS Outside	DIAMETERS Pitch	No. Teeth	Type	DIMENSIONS T	DIMENSIONS M	DIMENSIONS OL	DIMENSIONS L	DIMENSIONS P	DIMENSIONS C	DIMENSIONS H	Wt. Less Bushing	
T40P18	P1	1/2-1 3/4"	3.14"	2.879"	18	22	.275"	1.407"	2 15/32"	1 15/16"	2 27/32"	29/32"	3"	1.9	↑
T40P19	P1	1/2-1 3/4	3.30	3.038	19	22	.275	1.407	2 15/32	1 15/16	2 27/32	29/32	3	1.8	
T40P20	P1	1/2-1 3/4	3.46	3.196	20	22	.275	1.407	2 31/32	1 15/16	1 5/16	25/32	3	2.0	
T40P23	P1	1/2-1 3/4	3.94	3.672	23	23	.275	1.407	2 9/32	1 15/16	5/8	3/32	3	2.3	
T40P24	P1	1/2-1 3/4	4.10	3.831	24	23	.275	1.407	2 9/32	1 15/16	5/8	3/32	3	2.6	
T40P25	P1	1/2-1 3/4	4.26	3.989	25	23	.275	1.407	2 9/32	1 15/16	5/8	3/32	3	3.0	
T40P27	P1	1/2-1 3/4	4.58	4.307	27	23	.275	1.407	2 9/32	1 15/16	5/8	3/32	3	3.3	
T40Q30	Q1	3/4-2 11/16	5.06	4.783	30	22	.275	1.407	2 25/32	2 1/2	1 3/32	0	4 1/8	4.5	
T40Q35	Q1	3/4-2 11/16	5.86	5.578	35	22	.275	1.407	2 25/32	2 1/2	1 3/32	0	4 1/8	6.9	
T40Q36	Q1	3/4-2 11/16	6.02	5.737	36	22	.275	1.407	2 25/32	2 1/2	1 3/32	0	4 1/8	7.6	
T40Q42	Q1	3/4-2 11/16	6.97	6.691	42	22	.275	1.407	2 25/32	2 1/2	1 3/32	0	4 1/8	11.1	
T40Q48	Q1	3/4-2 11/16	7.93	7.645	48	22	.275	1.407	2 25/32	2 1/2	1 3/32	0	4 1/8	15.2	
T40Q52	Q1	3/4-2 11/16	8.57	8.281	52	22	.275	1.407	2 25/32	2 1/2	1 3/32	0	4 1/8	18.7	
T40Q54	Q1	3/4-2 11/16	8.89	8.599	54	22	.275	1.407	2 25/32	2 1/2	1 3/32	0	4 1/8	19.9	
T40Q60	Q1	3/4-2 11/16	9.84	9.554	60	22	.275	1.407	2 25/32	2 1/2	1 3/32	0	4 1/8	25.3	↓ HARDENED TEETH
T40Q68	Q1	3/4-2 11/16	11.12	10.826	68	22	.275	1.407	2 25/32	2 1/2	1 3/32	0	4 1/8	33.5	
T40Q72	Q1	3/4-2 11/16	11.75	11.463	72	22	.275	1.407	2 25/32	2 1/2	1 3/32	0	4 1/8	37.9	
T40Q76	Q1	3/4-2 11/16	12.39	12.099	76	22	.275	1.407	2 25/32	2 1/2	1 3/32	0	4 1/8	42.5	
T40Q84	Q1	3/4-2 11/16	13.66	13.372	84	22	.275	1.407	2 25/32	2 1/2	1 3/32	0	4 1/8	524	
T40Q95	Q1	3/4-2 11/16	15.41	15.122	95	22	.275	1.407	2 25/32	2 1/2	1 3/32	0	4 1/8	67.9	
T40Q102	Q1	3/4-2 11/16	16.53	16.236	102	22	.275	1.407	2 25/32	2 1/2	1 3/32	0	4 1/8	78.5	

Table No. 3 **Steel Triple Sprockets with Q-D® Bushings**

Part No.	Bushing	Bore Range	DIAMETERS Outside	DIAMETERS Pitch	Type	No. Teeth	DIMENSIONS T	DIMENSIONS M	DIMENSIONS OL Max.	DIMENSIONS L	DIMENSIONS P	DIMENSIONS H	Wt. Less Bushing
T40SK36	SK	1/2-2 5/8"	6.02"	5.737"	QD-8	36	.275"	1.407"	2 11/32"	1 15/16"	21/32"	3 7/8"	6.8
T40SK42	SK	1/2-2 5/8	6.97	6.691	QD-8	42	.275	1.407	2 11/32	1 15/16	21/32	3 7/8	10.4
T40SK48	SK	1/2-2 5/8	7.93	7.645	QD-8	48	.275	1.407	2 11/32	1 15/16	21/32	3 7/8	14.5
T40SK52	SK	1/2-2 5/8	8.57	8.281	QD-8	52	.275	1.407	2 11/32	1 15/16	21/32	3 7/8	17.6
T40SK60	SK	1/2-2 5/8	9.84	9.554	QD-8	60	.275	1.407	2 11/32	1 15/16	21/32	3 7/8	24.6
T40SF68	SF	1/2-2 15/16	11.12	10.826	QD-8	68	.275	1.407	2 13/32	2 1/16	23/32	4 5/8	31.8
T40SF72	SF	1/2-2 15/16	11.75	11.463	QD-8	72	.275	1.407	2 13/32	2 1/16	23/32	4 5/8	36.1
T40SF84	SF	1/2-2 15/16	13.66	13.372	QD-8	84	.275	1.407	2 13/32	2 1/16	23/32	4 5/8	50.6

H

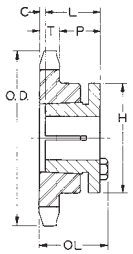
Sprockets for No. 50, 5/8" Pitch ANSI Chain

Table No. 1 **Steel Single Sprockets with Browning Split Taper® Bushings**

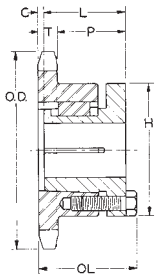
HARDENED TEETH

Part No.	Bushing	Bore Range	DIAMETERS		No. Teeth	Type	DIMENSIONS						Wt. Less Bushing
			Outside	Pitch			T Nom.	OL	L	P	C	H	
H50G11	G	3/8 - 1"	2.50"	2.219"	11	3	0.343"	1 19/32"	1"	1 1/16"	13/32"	2"	0.5
H50G12	G	3/8 - 1	2.70	2.415	12	3	0.343	1 19/32	1	1 1/16	13/32	2	0.5
H50G13	G	3/8 - 1	2.91	2.612	13	3	0.343	1 1/4	1	23/32	1/16	2	0.5
H50H13	H	3/8 - 1 1/2	2.91	2.612	13	3	0.343	1 23/32	1 1/4	1 11/64	1/4	2 1/2	0.6
H50H14	H	3/8 - 1 1/2	3.11	2.809	14	3	0.343	1 5/8	1 1/4	1 1/16	5/32	2 1/2	0.6
H50H15	H	3/8 - 1 1/2	3.32	3.006	15	3	0.343	1 1/2	1 1/4	1 1/16	5/32	2 1/2	0.8
H50P15	P1	1/2 - 1 3/4	3.32	3.006	15	4	0.343	2 3/16	1 15/16	1 19/32	0	3	1.1
H50H16	H	3/8 - 1 1/2	3.52	3.204	16	3	0.343	1 1/2	1 1/4	1 1/16	5/32	2 1/2	0.9
H50P16	P1	1/2 - 1 3/4	3.52	3.204	16	4	0.343	2 3/16	1 15/16	1 19/32	0	3	1.3
H50H17	H	3/8 - 1 1/2	3.72	3.401	17	3	0.343	1 1/2	1 1/4	1 1/16	5/32	2 1/2	1.0
H50P17	P1	1/2 - 1 3/4	3.72	3.401	17	4	0.343	2 3/16	1 15/16	1 19/32	0	3	1.4
H50H18	H	3/8 - 1 1/2	3.92	3.599	18	3	0.343	1 1/2	1 1/4	1 1/16	5/32	2 1/2	1.0
H50P18	P1	1/2 - 1 3/4	3.92	3.599	18	4	0.343	2 3/16	1 15/16	1 19/32	0	3	1.6
H50H19	H	3/8 - 1 1/2	4.12	3.797	19	3	0.343	1 1/2	1 1/4	31/32	1/16	2 1/2	1.1
H50P19	P1	1/2 - 1 3/4	4.12	3.797	19	4	0.343	2 3/16	1 15/16	1 19/32	0	3	1.8
H50H20	H	3/8 - 1 1/2	4.32	3.995	20	3	0.343	1 1/2	1 1/4	31/32	1/16	2 1/2	1.5
H50P20	P1	1/2 - 1 3/4	4.32	3.995	20	4	0.343	2 3/16	1 15/16	1 19/32	0	3	2.0
H50H21	H	3/8 - 1 1/2	4.52	4.194	21	3	0.343	1 1/2	1 1/4	31/32	1/16	2 1/2	1.4
H50P21	P1	1/2 - 1 3/4	4.52	4.194	21	4	0.343	2 3/16	1 15/16	1 19/32	0	3	2.1
H50H22	H	3/8 - 1 1/2	4.72	4.392	22	3	0.343	1 1/2	1 1/4	31/32	1/16	2 1/2	1.5
H50P22	P1	1/2 - 1 3/4	4.70	4.392	22	4	0.343	2 3/16	1 15/16	1 19/32	0	3	2.3
H50H23	H	3/8 - 1 1/2	4.92	4.590	23	3	0.343	1 1/2	1 1/4	31/32	1/16	2 1/2	1.7
H50P23	P1	1/2 - 1 3/4	4.92	3.599	23	4	0.343	2 3/16	1 15/16	1 19/32	0	3	2.4
H50Q23	Q1	3/4 - 2 11/16	4.92	3.599	23	4	0.343	2 25/32	2 1/2	2 5/32	0	4 1/8	3.4
H50H24	H	3/8 - 1 1/2	5.12	4.788	24	3	0.343	1 1/2	1 1/4	31/32	1/16	2 1/2	1.8
H50P24	P1	1/2 - 1 3/4	5.12	4.788	24	4	0.343	2 3/16	2 15/16	1 19/32	0	3	2.5
H50Q24	Q1	3/4 - 2 11/16	5.12	4.788	24	4	0.343	2 25/32	2 1/2	2 5/32	0	4 1/8	3.4
H50H25	H	3/8 - 1 1/2	5.32	4.987	25	3	0.343	1 1/2	1 1/4	31/32	1/16	2 1/2	1.9
H50P25	P1	1/2 - 1 3/4	5.32	4.987	25	4	0.343	2 3/16	2 15/16	1 19/32	0	3	2.6
H50Q25	Q1	3/4 - 2 11/16	5.32	4.987	25	4	0.343	2 25/32	2 1/2	2 5/32	0	4 1/8	3.7
H50H26	H	3/8 - 1 1/2	5.52	5.185	26	3	0.343	1 1/2	1 1/4	31/32	1/16	2 1/2	2.0
H50P26	P1	1/2 - 1 3/4	5.52	5.185	26	4	0.343	2 3/16	2 15/16	1 19/32	0	3	2.9

Where two sprockets with the same number of teeth but different bushings are offered, we suggest using the sprocket bushing for heavier service drives.



TYPE 3



TYPE 4

Standard Keyseats

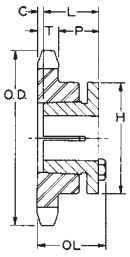
Table No. 2

Bore Range	Keyseat
3/8" - 7/16"	None
1/2 - 9/16	1/8" X 1/16"
5/8 - 7/8	3/16 X 3/32
15/16 - 1 1/4	1/4 X 1/8
1 5/16 - 1 3/8	5/16 X 5/32
1 7/16 - 1 3/4	3/8 X 3/16
1 13/16 - 2 1/4	1/2 x 1/4
2 5 /16 - 2 3/4	5/8 x 5/16
2 13/16 - 3 1/4	3/4 x 3/8

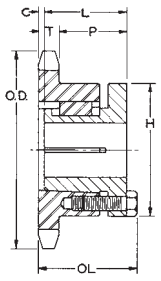
1 3/8" Bore Bushings also available with 3/8" x 3/16" Keyseat.

H

HARDENED TEETH



TYPE 3



TYPE 4

Table No. 1 **Steel Single Sprockets with Browning Split Taper® Bushings**

Part No.	Bushing	Bore Range	DIAMETERS		No. Teeth	Type	DIMENSIONS						Wt. Less Bushing
			Outside	Pitch			T Nom.	OL	L	P	C	H	
H50Q26	Q1	3/4 - 2 11/16	5.52	5.185	26	4	0.343	2 25/32	2 1/2	2 5/32	0	4 1/8	3.8
H50H27	H	3/8 - 1 1/2	5.72	5.384	27	3	0.343	1 1/2	1 1/4	31/32	1/16	2 1/2	2.2
H50P27	P1	1/2 - 1 3/4	5.72	5.384	27	4	0.343	2 3/16	2 15/16	1 19/32	0	3	3.0
H50Q27	Q1	3/4 - 2 11/16	5.72	5.384	27	4	0.343	2 25/32	2 1/2	2 5/32	0	4 1/8	3.9
H50H28	H	3/8 - 1 1/2	5.92	5.582	28	3	0.343	1 1/2	1 1/4	31/32	1/16	2 1/2	2.5
H50P28	P1	1/2 - 1 3/4	5.92	5.582	28	4	0.343	2 3/16	2 15/16	1 19/32	0	3	3.2
H50Q28	Q1	3/4 - 2 11/16	5.92	5.582	28	4	0.343	2 25/32	2 1/2	2 5/32	0	4 1/8	4.0
H50P29	P1	1/2 - 1 3/4	6.12	5.781	29	4	0.343	2 3/16	2 15/16	1 19/32	0	3	3.3
H50H30	H	3/8 - 1 1/2	6.32	5.979	30	3	0.343	1 1/2	1 1/4	31/32	1/16	2 1/2	2.9
H50P30	P1	1/2 - 1 3/4	6.32	5.979	30	4	0.343	2 3/16	2 15/16	1 19/32	0	3	3.5
H50Q30	Q1	3/4 - 2 11/16	6.32	5.979	30	4	0.343	2 25/32	2 1/2	2 5/32	0	4 1/8	5.6
H50H32	H	3/8 - 1 1/2	6.72	6.376	32	3	0.343	1 1/2	1 1/4	31/32	1/16	2 1/2	3.2
H50H33	H	3/8 - 1 1/2	6.92	6.575	33	3	0.343	1 1/2	1 1/4	31/32	1/16	2 1/2	3.4
H50H34	H	3/8 - 1 1/2	7.12	6.774	34	3	0.343	1 1/2	1 1/4	31/32	1/16	2 1/2	3.7
H50H35	H	3/8 - 1 1/2	7.32	6.972	35	3	0.343	1 1/2	1 1/4	31/32	1/16	2 1/2	3.8
H50H36	H	3/8 - 1 1/2	7.52	7.171	36	3	0.343	1 1/2	1 1/4	31/32	1/16	2 1/2	4.0
H50H38	H	3/8 - 1 1/2	7.92	7.569	38	3	0.343	1 1/2	1 1/4	31/32	1/16	2 1/2	4.4
H50H40	H	3/8 - 1 1/2	8.32	7.996	40	3	0.343	1 1/2	1 1/4	31/32	1/16	2 1/2	4.8
50P31	P1	1/2 - 1 3/4	6.52	6.178	31	4	0.343	2 3/16	2 15/16	1 19/32	0	3	3.6
50P32	P1	1/2 - 1 3/4	6.72	6.376	32	4	0.343	2 3/16	2 15/16	1 19/32	0	3	3.9
50Q32	Q1	3/4 - 2 11/16	6.72	6.376	32	4	0.343	2 25/32	2 1/2	2 5/32	0	4 1/8	6.1
50P33	P1	1/2 - 1 3/4	6.92	6.575	33	4	0.343	2 3/16	2 15/16	1 19/32	0	3	4.1
50P34	P1	1/2 - 1 3/4	7.12	6.774	34	4	0.343	2 3/16	2 15/16	1 19/32	0	3	4.3
50P35	P1	1/2 - 1 3/4	7.32	6.972	35	4	0.343	2 3/16	2 15/16	1 19/32	0	3	4.3
50Q35	Q1	3/4 - 2 11/16	7.32	9.972	35	4	0.343	2 25/32	2 1/2	2 5/32	0	4 1/8	6.8
50P36	P1	1/2 - 1 3/4	7.52	7.171	36	4	0.343	2 3/16	2 15/16	1 19/32	0	3	4.8
50Q36	Q1	3/4 - 2 11/16	7.52	7.171	36	4	0.343	2 25/32	2 1/2	2 5/32	0	4 1/8	6.8
50Q37	Q1	3/4 - 2 11/16	7.72	7.370	37	4	0.343	2 25/32	2 1/2	2 5/32	0	4 1/8	7.0
50Q38	Q1	3/4 - 2 11/16	7.92	7.569	38	4	0.343	2 25/32	2 1/2	2 5/32	0	4 1/8	7.4
50Q39	Q1	3/4 - 2 11/16	8.12	7.767	39	4	0.343	2 25/32	2 1/2	2 5/32	0	4 1/8	7.6
50Q40	Q1	3/4 - 2 11/16	8.32	7.966	40	4	0.343	2 25/32	2 1/2	2 5/32	0	4 1/8	8.0
50Q41	Q1	3/4 - 2 11/16	8.52	8.165	41	4	0.343	2 25/32	2 1/2	2 5/32	0	4 1/8	8.2
50Q42	Q1	3/4 - 2 11/16	8.72	8.363	42	4	0.343	2 25/32	2 1/2	2 5/32	0	4 1/8	8.3
50Q44	Q1	3/4 - 2 11/16	9.11	8.761	44	4	0.343	2 25/32	2 1/2	2 5/32	0	4 1/8	8.6
50Q45	Q1	3/4 - 2 11/16	9.31	8.960	45	4	0.343	2 25/32	2 1/2	2 5/32	0	4 1/8	9.0
50Q47	Q1	3/4 - 2 11/16	9.71	9.357	47	4	0.343	2 25/32	2 1/2	2 5/32	0	4 1/8	9.3
50Q48	Q1	3/4 - 2 11/16	9.91	9.556	48	4	0.343	2 25/32	2 1/2	2 5/32	0	4 1/8	9.6
50Q50	Q1	3/4 - 2 11/16	10.31	9.954	50	4	0.343	2 25/32	2 1/2	2 5/32	0	4 1/8	9.8
50Q54	Q1	3/4 - 2 11/16	11.11	10.749	54	4	0.343	2 25/32	2 1/2	2 5/32	0	4 1/8	11.3
50Q56	Q1	3/4 - 2 11/16	11.50	11.147	56	4	0.343	2 25/32	2 1/2	2 5/32	0	4 1/8	12.3
50Q60	Q1	3/4 - 2 11/16	12.30	11.942	60	4	0.343	2 25/32	2 1/2	2 5/32	0	4 1/8	13.3
50Q70	Q1	3/4 - 2 11/16	14.29	13.931	70	4	0.343	2 25/32	2 1/2	2 5/32	0	4 1/8	16.9
50Q72	Q1	3/4 - 2 11/16	14.69	14.329	72	4	0.343	2 25/32	2 1/2	2 5/32	0	4 1/8	18.1
50Q80	Q1	3/4 - 2 11/16	16.28	15.92	80	4	0.343	2 25/32	2 1/2	2 5/32	0	4 1/8	21.1
50Q84	Q1	3/4 - 2 11/16	17.08	16.715	84	4	0.343	2 25/32	2 1/2	2 5/32	0	4 1/8	24.3
50Q96	Q1	3/4 - 2 11/16	19.47	19.102	96	4	0.343	2 25/32	2 1/2	2 5/32	0	4 1/8	29.8
50Q112	Q1	3/4 - 2 11/16	22.65	22.285	112	4	0.343	2 25/32	2 1/2	2 5/32	0	4 1/8	39.3

Where two sprockets with the same number of teeth but different bushings are offered, we suggest using the sprocket bushing for heavier service drives.

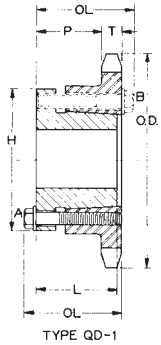
H

Sprockets for No. 50, 5/8" Pitch ANSI Chain

Table No. 1

Steel Single Sprockets with Q-D® Bushings

	Part No.	Bushing	Bore Range	Diameters Outside	Diameters Pitch	Type	No. Teeth	Dimensions T Nom.	Dimensions OL	Dimensions L	Dimensions P	Dimensions H	Wt. Less Bushing
HARDENED TEETH ↑	H50JA12*	JA	1/2 - 1 1/4"	2.71"	2.415"	QD-1	12	.343"	1 5/16"	1"	13/16"	2"	.35
	H50JA13*	JA	1/2 - 1 1/4	2.91	2.612	QD-1	13	.343	1 5/16	1	13/16	2	.44
	H50JA14	JA	1/2 - 1 1/4	3.11	2.803	QD-1	14	.343	1 5/16	1	13/16	2	.60
	H50JA15	JA	1/2 - 1 1/4	3.32	3.006	QD-1	15	.343	1 5/16	1	13/16	2	.69
	H50JA16	JA	1/2 - 1 1/4	3.52	3.204	QD-1	16	.343	1 5/16	1	13/16	2	.79
	H50SH17	SH	1/2 - 1 5/8	3.72	3.401	QD-1	17	.343	1 23/32	1 5/16	1 5/32	2 11/16	1.09
	H50SH18	SH	1/2 - 1 5/8	3.92	3.599	QD-1	18	.343	1 23/32	1 5/16	1 5/32	2 11/16	1.26
	H50SH19	SH	1/2 - 1 5/8	4.12	3.797	QD-1	19	.343	1 23/32	1 5/16	1 5/32	2 11/16	1.40
	H50SDS20	SDS	1/2 - 2	4.32	3.995	QD-1	20	.343	1 21/32	1 5/16	1 3/32	3 1/8	1.37
	H50SDS21	SDS	1/2 - 2	4.52	4.194	QD-1	21	.343	1 21/32	1 5/16	1 3/32	3 1/8	1.49
	H50SDS22	SDS	1/2 - 2	4.72	4.392	QD-1	22	.343	1 21/32	1 5/16	1 3/32	3 1/8	1.62
	H50SDS23	SDS	1/2 - 2	4.92	4.590	QD-1	23	.343	1 21/32	1 5/16	1 3/32	3 1/8	1.75
	H50SDS24	SDS	1/2 - 2	5.12	4.788	QD-1	24	.343	1 21/32	1 5/16	1 3/32	3 1/8	1.88
	H50SDS25	SDS	1/2 - 2	5.32	4.987	QD-1	25	.343	1 21/32	1 5/16	1 3/32	3 1/8	2.01
	H50SDS26	SDS	1/2 - 2	5.52	5.185	QD-1	26	.343	1 21/32	1 5/16	1 3/32	3 1/8	2.15
HARDENED TEETH ↓	H50SDS27	SDS	1/2 - 2	5.72	5.384	QD-1	27	.343	1 21/32	1 5/16	1 3/32	3 1/8	2.30
	H50SDS28	SDS	1/2 - 2	5.92	5.582	QD-1	28	.343	1 21/32	1 5/16	1 3/32	3 1/8	2.45
	H50SDS30	SDS	1/2 - 2	6.32	5.979	QD-1	30	.343	1 21/32	1 5/16	1 3/32	3 1/8	2.77
	50SDS32	SDS	1/2 - 2	6.72	6.376	QD-1	32	.343	1 21/32	1 5/16	1 3/32	3 1/8	3.11
	50SDS35	SDS	1/2 - 2	7.32	6.972	QD-1	35	.343	1 21/32	1 5/16	1 3/32	3 1/8	3.66
	50SDS36	SDS	1/2 - 2	7.52	7.171	QD-1	36	.343	1 21/32	1 5/16	1 3/32	3 1/8	3.86
	50SDS40	SDS	1/2 - 2	8.32	7.966	QD-1	40	.343	1 21/32	1 5/16	1 3/32	3 1/8	4.70
	50SDS42	SDS	1/2 - 2	8.72	8.363	QD-1	42	.343	1 21/32	1 5/16	1 3/32	3 1/8	5.15
	50SDS45	SDS	1/2 - 2	9.31	8.960	QD-1	45	.343	1 21/32	1 5/16	1 3/32	3 1/8	5.86
	50SDS48	SDS	1/2 - 2	9.91	9.556	QD-1	48	.343	1 21/32	1 5/16	1 3/32	3 1/8	6.63
	50SK54	SK	1/2 - 2 5/8	11.11	10.749	QD-1	54	.343	2 11/32	1 15/16	1 23/32	3 7/8	9.24
	50SK60	SK	1/2 - 2 5/8	12.30	11.942	QD-1	60	.343	2 11/32	1 15/16	1 23/32	3 7/8	11.1
	50SK70	SK	1/2 - 2 5/8	14.29	13.931	QD-1	70	.343	2 11/32	1 15/16	1 23/32	3 7/8	14.7
	50SK72	SK	1/2 - 2 5/8	14.69	14.329	QD-1	72	.343	2 11/32	1 15/16	1 23/32	3 7/8	15.5
	50SF80	SF	1/2 - 2 15/16	16.28	15.920	QD-1	80	.343	2 11/32	2 1/16	1 25/32	4 5/8	19.4
	50SF84	SF	1/2 - 2 15/16	17.08	16.715	QD-1	84	.343	2 11/32	2 1/16	1 25/32	4 5/8	21.2
	50SF96	SF	1/2 - 2 15/16	19.47	19.102	QD-1	96	.343	2 11/32	2 1/16	1 25/32	4 5/8	27.2
	50SF112	SF	1/2 - 2 15/16	22.65	22.285	QD-1	112	.343	2 11/32	2 1/16	1 25/32	4 5/8	36.4



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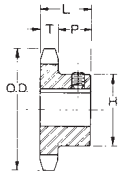


TYPE 1

* Bushings mounts with capscrews on "A" side only

Table No. 2

Steel Single Sprockets with Browning Split Taper® Bushings

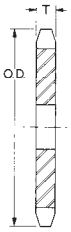
	Part No.	DIAMETERS Outside	DIAMETERS Pitch	No. Teeth	Type	STOCK BORES MARKED "X" 5/8"	3/4"	7/8"	1"	1 1/8"	1 3/16"	1 1/4"	1 3/8"	1 7/16"	1 1/2"	1 5/8"	1 11/16"	1 3/4"	1 15/16"	DIMENSIONS T Nom.	L	P	Wt. Lbs.
	STOCK Steel Sprockets																						
HARDENED TEETH ↑	H509	2.09"	1.827"	9	1	x	x	-	-	-	-	-	-	-	-	-	-	-	-	.343"	1"	21/32"	.3
	H5010	2.30	2.023	10	1	x	x	x	x	-	-	-	-	-	-	-	-	-	-	.343	1	21/32	.5
	H5011	2.50	2.219	11	1	x	x	x	x	-	-	-	-	-	-	-	-	-	-	.343	1	21/32	.6
	H5012	2.70	2.415	12	1	x	x	x	x	x	x	x	-	-	-	-	-	-	-	.343	1	21/32	.7
	H5013	2.91	2.612	13	1	x	x	x	x	x	x	x	-	-	-	-	-	-	-	.343	1	21/32	.8
	H5014	3.11	2.809	14	1	x	x	x	x	x	x	x	-	-	-	-	-	-	-	.343	1	21/32	1.0
	H5015	3.32	3.006	15	1	x	x	x	x	x	x	x	x	x	x	-	-	-	-	.343	1	21/32	1.3
	H5016	3.52	3.204	16	1	x	x	x	x	x	x	x	x	x	x	x	-	-	-	.343	1	21/32	1.5
	H5017	3.72	3.401	17	1	x	x	x	x	x	x	x	x	x	x	x	-	-	-	.343	1	21/32	1.6
	H5018	3.92	3.599	18	1	x	x	x	x	x	x	x	x	x	x	x	-	-	-	.343	1	21/32	1.8
	H5019	4.12	3.797	19	1	x	x	x	x	x	x	x	x	x	x	x	-	-	-	.343	1	21/32	1.9
	H5020	4.32	3.995	20	1	-	x	x	x	x	x	x	x	x	x	x	-	-	-	.343	1	21/32	2.5
	H5021	4.52	4.194	21	1	-	x	x	x	x	x	x	x	x	x	-	-	-	-	.343	1	21/32	2.6
	H5022	4.72	4.392	22	1	-	x	x	x	x	x	x	x	x	x	-	-	-	-	.343	1	21/32	2.7
	H5023	4.92	4.590	23	1	-	x	x	x	x	x	x	x	x	x	-	-	-	-	.343	1	21/32	3.3
	H5024	5.12	4.788	24	1	-	x	x	x	x	x	x	x	x	x	-	-	-	-	.343	11/16	23/32	3.0
	H5025	5.32	4.987	25	1	-	x	x	x	x	x	x	x	x	x	-	-	-	-	.343	11/16	23/32	3.6
	H5026	5.52	5.185	26	1	-	x	x	x	x	x	x	x	x	x	-	-	-	-	.343	11/16	23/32	3.8
	H5027	5.72	5.384	27	1	-	x	x	x	x	x	x	x	x	x	-	-	-	-	.343	11/16	23/32	3.9
	H5028	5.92	5.582	28	1	-	x	x	x	x	x	x	x	x	x	-	-	-	-	.343	11/16	23/32	4.1
	H5029	6.12	5.781	29	1	-	x	x	x	x	x	x	x	x	x	-	-	x	-	.343	11/16	23/32	4.3
	H5030	6.32	5.979	30	1	-	x	x	x	x	x	x	x	x	x	-	-	-	-	.343	11/16	23/32	4.4
	5032	6.72	6.376	32	1	-	x	-	x	x	x	x		x	x	-	x	-	-	.343	11/16	23/32	4.7
	5033	6.92	6.575	33	1	-	-	-	x	-	-	-	-	-	-	-	-	-	-	.343	11/16	23/32	4.9
	5034	7.12	6.774	34	1	-	-	-	-	-	-	-	-	-	x	-	-	-	-	.343	11/16	23/32	5.1
	5035	7.32	6.972	35	1	-	x	-	x	-	x	x	-	x	x	-	-	x	-	.343	11/16	23/32	5.4
	5036	7.52	7.171	36	1	-	x	-	x	-	x	x	-	x	x	-	-	x	-	.343	11/16	23/32	5.6
	5038	7.92	7.569	38	1	-	-	-	-	-	-	x	-	-	-	-	-	-	-	.343	11/16	23/32	5.9
	5039	8.12	7.767	39	1	-	-	-	-	-	x	-	-	-	-	-	-	-	-	.343	11/16	23/32	6.0
	5040	8.32	7.966	40	1	-	-	x	x	-	x	x	-	x	x	-	-	-	-	.343	11/16	23/32	6.2
	5041	8.52	8.165	41	1	-	-	-	-	-	-	-	-	-	-	-	-	-	x	.343	11/16	23/32	6.3
	5042	8.72	8.363	42	1	-	-	-	x	-	-	x	-	-	-	-	-	-	-	.343	11/16	23/32	6.5
	5045	9.31	8.960	45	1	-	-	-	x	-	x	x	-	x	x	-	-	-	x	.343	11/16	23/32	6.9
	5048	9.91	9.556	48	1	-	-	-	x	-	-	x	-	-	x	-	-	-	-	.343	11/16	23/32	7.2
	5049	10.11	9.755	49	1	-	-	-	x	-	-	-	-	-	-	-	-	-	-	.343	11/16	23/32	7.5
	5050	10.31	9.954	50	1	-	-	-	x	-	-	-	-	-	x	-	-	-	-	.343	11/16	23/32	7.8
	5060	12.30	11.942	60	1	-	-	-	x	-	-	x	-	x	x	-	-	-	x	.343	11/16	23/32	10.8

All Stock Finished Bore Sprockets are furnished with Standard Keyway on Centerline of Tooth and Hollow Head Setscrew over Keyway. Sprockets with HARDENED TEETH have an additional Setscrew at 90° to Keyway.

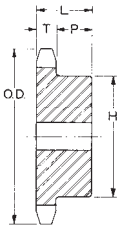
Table No. 1

Type "A" Steel Plate Sprockets

Part No.	Outside Dia.	Pitch Dia.	No. Teeth	Stock Bore	T (Norm.)	Wt. Lbs.	Part No.	Outside Dia.	Pitch Dia.	No. Teeth	Stock Bore	T (Norm.)	Wt. Lbs.
50A10	2.30"	2.023"	10	5/8"	.343"	.2	**50A40**	8.32"	7.966"	40	3/4"	.343"	4.6
50A11	2.50	2.219	11	5/8	.343	.3	**50A41**	8.52	8.165	41	3/4	.343	4.8
50A12	2.70	2.415	12	5/8	.343	.3	**50A42**	8.72	8.363	42	3/4	.343	5.0
50A13	2.91	2.612	13	5/8	.343	.4	**50A43**	8.91	8.562	43	3/4	.343	5.3
50A14	3.11	2.809	14	5/8	.343	.4	**50A44**	9.11	8.761	44	3/4	.343	5.5
50A15	3.32	3.006	15	5/8	.343	.5	**50A45**	9.31	8.960	45	3/4	.343	5.7
50A16	3.52	3.204	16	5/8	.343	.6	**50A46**	9.51	9.159	46	3/4	.343	5.9
50A17	3.72	3.401	17	5/8	.343	.6	**50A47**	9.71	9.357	47	3/4	.343	6.1
50A18	3.92	3.599	18	5/8	.343	.8	**50A48**	9.91	9.556	48	3/4	.343	6.4
50A19	4.12	3.797	19	5/8	.343	.8	**50A49**	10.11	9.755	49	3/4	.343	6.6
50A20	4.32	3.995	20	3/4	.343	.9	**50A50**	13.31	9.954	50	3/4	.343	6.8
50A21	4.52	4.194	21	3/4	.343	1.0	**50A51**	10.51	10.153	51	3/4	.343	7.1
50A22	4.70	4.392	22	3/4	.343	1.1	**50A52**	10.71	10.351	52	3/4	.343	7.4
50A23	4.90	4.590	23	3/4	.343	1.2	**50A53**	10.91	10.550	53	3/4	.343	7.7
50A24	5.12	4.788	24	3/4	.343	1.4	**50A54**	11.11	10.749	54	3/4	.343	8.0
50A25	5.32	4.987	25	3/4	.343	1.5	**50A55**	11.31	10.948	55	3/4	.343	8.3
50A26	5.52	5.185	26	3/4	.343	1.6	**50A56**	11.50	11.147	56	3/4	.343	8.6
50A27	5.72	5.384	27	3/4	.343	1.8	**50A57**	11.70	11.346	57	3/4	.343	8.9
50A28	5.92	5.582	28	3/4	.343	2.1	**50A58**	11.90	11.544	58	3/4	.343	9.2
50A29	6.12	5.781	29	3/4	.343	2.3	**50A59**	12.10	11.743	59	3/4	.343	9.5
50A30	6.32	5.979	30	3/4	.343	2.5	**50A60**	12.30	11.942	60	3/4	.343	9.9
50A31	6.52	6.178	31	3/4	.343	2.6	**50A70**	14.29	13.931	70	3/4	.343	13.4
50A32	6.72	6.376	32	3/4	.343	2.8	**50A72**	14.69	14.329	72	3/4	.343	14.2
50A33	6.92	6.575	33	3/4	.343	3.0	**50A76**	15.49	15.124	76	3/4	.343	15.8
50A34	7.12	6.774	34	3/4	.343	3.3	**50A80**	16.28	15.920	80	3/4	.343	17.6
50A35	7.32	6.972	35	3/4	.343	3.4	**50A84**	17.08	16.715	84	3/4	.343	19.4
50A36	7.52	7.171	36	3/4	.343	3.6	**50A95**	19.27	18.903	95	3/4	.343	24.8
50A37	7.72	7.370	37	3/4	.343	3.8	**50A96**	19.47	19.102	96	3/4	.343	25.3
50A38	7.92	7.569	38	3/4	.343	4.0	**50A112**	22.62	22.285	112	3/4	.343	34.5
50A39	8.12	7.767	39	3/4	.343	4.2							



TYPE A



TYPE B

Table No. 2

Type "B" Steel Plate Sprockets

Part No.	DIAMETERS		No. Teeth	Type	BORE		DIMENSIONS				Wt. Lbs.
	Outside	Pitch			Stock	Max.*	T Nom.	L Max.	P	H	
50B8	1.88"	1.633"	8	B	1/2"	5/8"	.343"	1"	21/32"	1 13/64†	.3
50B9	2.09	1.827	9	B	5/8	3/4	.343	1	21/32	1 25/64†	.4
50B10	2.30	2.023	10	B	5/8	7/8	.343	1	21/32	1 19/32†	.5
50B11	2.50	2.219	11	B	5/8	1	.343	1	21/32	1 25/32†	.6
50B12	2.70	2.415	12	B	5/8	1 1/4	.343	1	21/32	1 63/64†	.8
50B13	2.91	2.612	13	B	5/8	1 5/16	.343	1	21/32	2 11/64†	.8
50B14	3.11	2.809	14	B	5/8	1 7/16	.343	1	21/32	2 1/8	1.0
50B15	3.32	3.006	15	B	5/8	1 1/2	.343	1	21/32	2 3/8	1.3
50B16	3.52	3.204	16	B	5/8	1 3/4	.343	1	21/32	2 9/16	1.6
50B17	3.72	3.401	17	B	5/8	1 7/8	.343	1	21/32	2 11/16	1.8
50B18	3.92	3.599	18	B	5/8	1 7/8	.343	1	21/32	2 7/8	2.0
50B19	4.12	3.797	19	B	5/8	2	.343	1	21/32	3	2.3
50B20	4.32	3.995	20	B	3/4	2	.343	1	21/32	3	2.6
50B21	4.52	4.194	21	B	3/4	2 1/4	.343	1	21/32	3 3/8	2.9
50B22	4.72	4.392	22	B	3/4	2 1/4	.343	1	21/32	3 1/4	3.0
50B23	4.92	4.590	23	B	3/4	2 1/4	.343	1	21/32	3 1/4	3.3
50B24	5.12	4.788	24	B	3/4	2 1/4	.343	1 1/16	23/32	3 1/4	3.5
50B25	5.32	4.987	25	B	3/4	2 1/4	.343	1 1/16	23/32	3 1/4	3.6
50B26	5.52	5.185	26	B	3/4	2 1/4	.343	1 1/16	23/32	3 1/4	3.7
50B27	5.72	5.384	27	B	3/4	2 1/4	.343	1 1/16	23/32	3 1/4	3.8
50B28	5.92	5.582	28	B	3/4	2 1/4	.343	1 1/16	23/32	3 1/4	4.0
50B29	6.12	5.781	29	B	3/4	2 1/4	.343	1 1/16	23/32	3 1/4	4.2
50B30	6.32	5.979	30	B	3/4	2 1/4	.343	1 1/16	23/32	3 1/4	4.4
50B31	6.52	6.178	31	B	3/4	2 1/4	.343	1 1/16	23/32	3 1/4	4.6
50B32	6.72	6.376	32	B	3/4	2 1/4	.343	1 1/16	23/32	3 1/4	4.7
50B33	6.92	6.575	33	B	3/4	2 1/4	.343	1 1/16	23/32	3 1/4	4.9
50B34	7.12	6.774	34	B	3/4	2 1/4	.343	1 1/16	23/32	3 1/4	5.1
50B35	7.32	6.972	35	B	3/4	2 3/8	.343	1 1/16	23/32	3 1/2	5.5
50B36	7.52	7.171	36	B	3/4	2 3/8	.343	1 1/16	23/32	3 1/2	5.7
50B37	7.72	7.370	37	B	3/4	2 3/8	.343	1 1/16	23/32	3 1/2	6.04

LARGER SIZES ON NEXT PAGE

*** Maximum bore shown is with standard keyway and setscrew over keyway. Slightly larger bores are possible with no keyway, shallow keyway or setscrew at angle to keyway.**
† Hub is recessed for chain clearance.
These Type "B" Sprockets are made without keyways and setscrews. They are furnished with minimum bore which can be rebored to sized, keywayed and setscrewed for a reasonable extra charge.

Standard Keyseats

Table No. 3

Bore Range	Keyseat
3/8" — 7/16"	None
1/2 — 9/16	1/8" X 1/16"
5/8 — 7/8	3/16 X 3/32
15/16 — 1 1/4	1/4 X 1/8
1 5/16 — 1 3/8	5/16 X 5/32
1 7/16 — 1 3/4	3/8 X 3/16
1 13/16 — 2 1/4	1/2 x 1/4
2 5/16 — 2 3/4	5/8 x 5/16
2 13/16 — 3 1/4	3/4 x 3/8

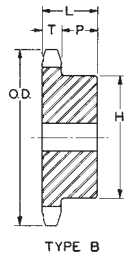
1 3/8" Bore Bushings also available with 3/8" x 3/16" Keyseat.

Sprockets for No. 50, 5/8" Pitch ANSI Chain

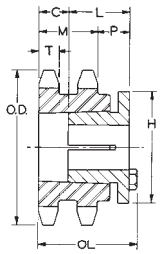
Table No. 1 **Steel Type "B" Minimum Bore Single Sprockets**

Part No.	DIAMETERS Outside	DIAMETERS Pitch	No. Teeth	Type	BORE Stock	BORE Max.*	DIMENSIONS T Nom.	DIMENSIONS L Max.	DIMENSIONS P	DIMENSIONS H	Wt. Lbs.
SMALLER SIZES ON PRECEDING PAGES											
50B38	7.92	7.569	38	B	3/4	2 3/8	.343	1 1/16	23/32	3 1/2	6.0
50B39	8.12	7.767	39	B	3/4	2 3/8	.343	1 1/16	23/32	3 1/2	6.4
50B40	8.32	7.966	40	B	3/4	2 3/8	.343	1 1/16	23/32	3 1/2	6.7
50B41	8.52	8.165	41	B	3/4	2 3/8	.343	1 1/16	23/32	3 1/2	6.98
50B42	8.72	8.363	42	B	3/4	2 3/8	.343	1 1/16	23/32	3 1/2	7.2
50B43	8.91	8.562	43	B	3/4	2 3/8	.343	1 1/16	23/32	3 1/2	7.49
50B44	9.11	8.761	44	B	3/4	2 3/8	.343	1 1/16	23/32	3 1/2	7.7
50B45	9.31	8.960	45	B	3/4	2 1/2	.343	1 1/16	23/32	3 3/4	8.2
50B46	9.51	9.159	46	B	3/4	2 1/2	.343	1 1/16	23/32	3 3/4	8.6
50B47	9.71	9.357	47	B	3/4	2 1/2	.343	1 1/16	23/32	3 3/4	8.88
50B48	9.91	9.556	48	B	3/4	2 1/2	.343	1 1/16	23/32	3 3/4	9.1
50B49	10.11	9.755	49	B	3/4	2 1/2	.343	1 1/16	23/32	3 3/4	9.46
50B50	10.31	9.954	50	B	3/4	2 1/2	.343	1 1/16	23/32	3 3/4	9.7
50B51	10.51	10.153	51	B	3/4	2 1/2	.343	1 1/16	23/32	3 3/4	10.06
50B52	10.71	10.351	52	B	3/4	2 1/2	.343	1 1/16	23/32	3 3/4	10.3
50B53	10.91	10.550	53	B	3/4	2 1/2	.343	1 1/16	23/32	3 3/4	10.7
50B54	11.11	10.749	54	B	3/4	2 1/2	.343	1 1/16	23/32	3 3/4	10.9
50B55	11.31	10.948	55	B	3/4	2 1/2	.343	1 1/16	23/32	3 3/4	11.4
50B56	11.50	11.147	56	B	3/4	2 1/2	.343	1 1/16	23/32	3 3/4	11.7
50B57	11.70	11.346	57	B	3/4	2 1/2	.343	1 1/16	23/32	3 3/4	12.0
50B58	11.90	11.544	58	B	3/4	2 1/2	.343	1 1/16	23/32	3 3/4	12.4
50B59	12.10	11.743	59	B	3/4	2 1/2	.343	1 1/16	23/32	3 3/4	12.7
50B60	12.30	11.942	60	B	3/4	2 1/2	.343	1 1/16	23/32	3 3/4	13.0
50B70	14.29	13.931	70	B	3/4	2 1/2	.343	1 1/4	29/32	3 3/4	17.5
50B72	14.69	14.329	72	B	3/4	2 1/2	.343	1 1/4	29/32	3 3/4	18.3
50B76	15.49	15.124	76	B	3/4	2 1/2	.343	1 1/4	29/32	3 3/4	20.1
50B80	16.28	15.920	80	B	3/4	3 1/8	.343	1 5/8	1 9/32	4 5/8	25.2
50B84	17.08	16.715	84	B	3/4	3 1/8	.343	1 5/8	1 9/32	4 5/8	27.2
50B90	18.27	17.909	90	B	3/4	3 1/8	.343	1 5/8	1 9/32	4 5/8	30.3
50B95	19.27	18.903	95	B	3/4	3 1/8	.343	1 5/8	1 9/32	4 5/8	33.1
50B96	19.47	19.102	96	B	3/4	3 1/8	.343	1 5/8	1 9/32	4 5/8	33.7
50B112	22.65	22.285	112	B	3/4	3 1/8	.343	1 5/8	1 9/32	4 5/8	43.8

*** Maximum bore shown is with standard keyway and setscrew over keyway. Slightly larger bores are possible with no keyway, shallow keyway or setscrew at angle to keyway.**
† Hub is recessed for chain clearnce.
These Type "B" Sprockets are furnished with no keyway and no setscrew. They are made with minimum bore which can be rebored to size, keywayed and setscrewed for a reasonable extra charge.



TYPE B



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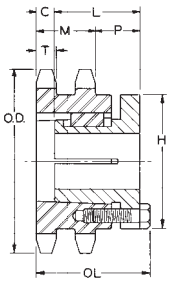

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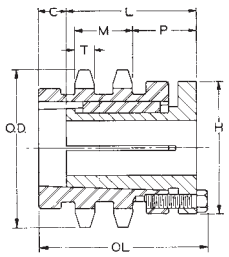


TYPE 16

Table No. 2 **Steel Double Sprockets with Browning Split Taper® Bushings**

HARDENED TEETH

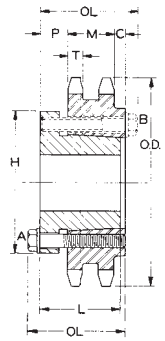
Part No.	Bushing	Bore Range	DIAMETERS Outside	DIAMETERS Pitch	No. Teeth	Type	DIMENSIONS T	DIMENSIONS M	DIMENSIONS OL	DIMENSIONS L	DIMENSIONS P	DIMENSIONS C	DIMENSIONS H	Wt. Less Bushing
D50H14	H	3/8-1 1/2"	3.11"	2.809"	14	11	.332"	1.045"	2 5/16"	1 1/4"	1 3/32"	7/8"	2 1/2"	1.2
D50P15	P1	1/2-1 3/4	3.32	3.006	15	12	.332	1.045	2 3/4	1 15/16	1 1/2	19/32	3	2.0
D50P16	P1	1/2-1 3/4	3.52	3.204	16	12	.332	1.045	2 3/4	1 15/16	1 1/2	19/32	3	1.6
D50P17	P1	1/2-1 3/4	3.72	3.401	17	12	.332	1.045	2 27/64	1 15/16	1 3/16	9/32	3	2.1
D50P18	P1	1/2-1 3/4	3.92	3.599	18	12	.332	1.045	2 27/64	1 15/16	1 3/16	9/32	3	2.5
D50P19	P1	1/2-1 3/4	4.12	3.797	19	12	.332	1.045	2 3/16	1 15/16	29/32	0	3	2.0
D50P20	P1	1/2-1 3/4	4.32	3.995	20	12	.332	1.045	2 3/16	1 15/16	29/32	0	3	2.5
D50P21	P1	1/2-1 3/4	4.52	4.194	21	12	.332	1.045	2 3/16	1 15/16	29/32	0	3	2.8
D50P22	P1	1/2-1 3/4	4.70	3.392	22	12	.332	1.045	2 3/16	1 15/16	29/32	0	3	3.2
D50P23	P1	1/2-1 3/4	4.92	4.590	23	12	.332	1.045	2 3/16	1 15/16	29/32	0	3	3.6
D50Q24	Q1	3/4-2 11/16	5.12	4.788	24	12	.332	1.045	2 37/64	2 1/2	1 11/32	3/32	4 1/8	4.0
D50Q25	Q1	3/4-2 11/16	5.32	4.987	25	12	.332	1.045	2 37/64	2 1/2	1 11/32	3/32	4 1/8	4.5
D50Q26	Q1	3/4-2 11/16	5.52	5.185	26	12	.332	1.045	2 37/64	2 1/2	1 11/32	3/32	4 1/8	5.3
D50Q27	Q1	3/4-2 11/16	5.72	5.384	27	12	.332	1.045	2 37/64	2 1/2	1 11/32	3/32	4 1/8	5.9
D50Q28	Q1	3/4-2 11/16	5.92	5.582	28	12	.332	1.045	2 37/64	2 1/2	1 11/32	3/32	4 1/8	6.3
D50Q30	Q1	3/4-2 11/16	6.32	5.979	30	12	.332	1.045	2 37/64	2 1/2	1 11/32	3/32	4 1/8	7.5
D50Q32	Q1	3/4-2 11/16	6.72	6.376	32	12	.332	1.045	2 37/64	2 1/2	1 11/32	3/32	4 1/8	8.5
D50Q35	Q1	3/4-2 11/16	7.32	6.972	35	12	.332	1.045	2 37/64	2 1/2	1 11/32	3/32	4 1/8	10.4
D50Q36	Q1	3/4-2 11/16	7.52	7.171	36	12	.332	1.045	2 37/64	2 1/2	1 11/32	3/32	4 1/8	11.0
D50Q40	Q1	3/4-2 11/16	8.32	7.966	40	12	.332	1.045	2 37/64	2 1/2	1 11/32	3/32	4 1/8	13.6
D50Q42	Q1	3/4-2 11/16	8.72	8.363	42	12	.332	1.045	2 37/64	2 1/2	1 11/32	3/32	4 1/8	15.0
D50Q45	Q1	3/4-2 11/16	9.31	8.960	45	12	.332	1.045	2 37/64	2 1/2	1 11/32	3/32	4 1/8	17.5
D50Q48	Q1	3/4-2 11/16	9.91	9.556	48	12	.332	1.045	2 37/64	2 1/2	1 11/32	3/32	4 1/8	20.4
D50Q52	Q1	3/4-2 11/16	10.71	10.351	52	12	.332	1.045	2 37/64	2 1/2	1 11/32	3/32	4 1/8	23.3
D50Q54	Q1	3/4-2 11/16	11.11	10.749	54	12	.332	1.045	2 37/64	2 1/2	1 11/32	3/32	4 1/8	23.3
D50Q60	Q1	3/4-2 11/16	12.30	11.942	60	12	.332	1.045	2 37/64	2 1/2	1 11/32	3/32	4 1/8	25.5
D50Q72	Q1	3/4-2 11/16	14.69	14.329	72	12	.332	1.045	2 37/64	2 1/2	1 11/32	3/32	4 1/8	43.1
D50Q76	Q1	3/4-2 11/16	15.49	15.124	76	12	.332	1.045	2 37/64	2 1/2	1 11/32	3/32	4 1/8	46.0
D50Q84	Q1	3/4-2 11/16	17.08	16.715	84	12	.332	1.045	2 37/64	2 1/2	1 11/32	3/32	5 3/8	56.7
D50R95	R1	1 1/8-3 3/4	19.27	18.903	95	12	.332	1.045	3 5/32	2 7/8	2 3/32	0	5 3/8	72.3
D50R96	R1	1 1/8-3 3/4	19.47	19.102	96	12	.332	1.045	3 5/32	2 7/8	2 3/32	0	5 3/8	80.7
D50R102	R1	1 1/8-3 3/4	20.66	20.295	102	12	.332	1.045	3 5/32	2 7/8	2 3/32	0	5 3/8	84.5
D50R112	R1	1 1/8-3 3/4	22.65	22.285	112	12	.332	1.045	3 5/32	2 7/8	2 3/32	0	5 3/8	93.2

Standard Keyseats

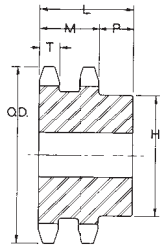
Table No. 3

Bore Range	Keyseat
1/2" — 9/16"	1/8" X 1/16"
5/8 — 7/8	3/16 X 3/32
15/16 — 1 1/4	1/4 X 1/8
1 5/16 — 1 3/8	5/16 X 5/32
1 7/16 — 1 3/4	3/8 X 3/16
1 13/16 — 2 1/4	1/2 x 1/4
2 5/16 — 2 3/4	5/8 x 5/16
2 13/16 — 3 1/4	3/4 x 3/8
3 3/8 — 3 3/4	7/8 x 7/16

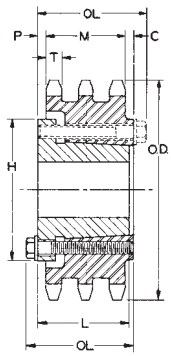
1 3/8" Bore Bushings also available with 3/8" x 3/16" Keyseat.



TYPE QD-4



TYPE DB



TYPE QD-7

Table No. 1 **Steel Double Sprockets with Q-D® Bushings**

Part No.	Bushing	Bore Range	DIAMETERS		Type	No. Teeth	DIMENSIONS							Wt. Less Bushing
			Outside	Pitch			T	M	OL	L	P	C	H	
D50SK36	SK	1/2 - 2 5/8"	7.52"	7.171"	QD-4	36	.332"	1.045"	2 11/32"	1 15/16"	13/16"	13/64"	3 7/8"	9.7
D50SK42	SK	1/2 - 2 5/8	8.72	8.363	QD-4	42	.332	1.045	2 11/32	1 15/16	13/16	13/64	3 7/8	13.9
D50SK48	SK	1/2 - 2 5/8	9.91	9.556	QD-4	48	.332	1.045	2 11/32	1 15/16	13/16	13/64	3 7/8	18.7
D50SF52	SF	1/2 - 2 15/16	10.71	10.351	QD-4	52	.332	1.045	2 15/32	2 1/16	7/8	13/64	4 5/8	22.1
D50SF54	SF	1/2 - 2 15/16	11.11	10.749	QD-4	54	.332	1.045	2 15/32	2 1/16	7/8	13/64	4 5/8	24.0
D50SF60	SF	1/2 - 2 15/16	12.30	11.942	QD-4	60	.332	1.045	2 15/32	2 1/16	7/8	13/64	4 5/8	30.1
D50SF68	SF	1/2 - 2 15/16	13.89	13.533	QD-4	68	.332	1.045	2 15/32	2 1/16	7/8	13/64	4 5/8	39.4
D50SF72	SF	1/2 - 2 15/16	14.69	14.329	QD-4	72	.332	1.045	2 15/32	2 1/16	7/8	13/64	4 5/8	44.4
D50SF76	SF	1/2 - 2 15/16	15.49	15.124	QD-4	76	.332	1.045	2 15/32	2 1/16	7/8	13/64	4 5/8	49.8
D50SF84	SF	1/2 - 2 15/16	17.08	16.715	QD-4	84	.332	1.045	2 15/32	2 1/16	7/8	13/64	4 5/8	61.4
D50SF95	SF	1/2 - 2 15/16	19.27	18.903	QD-4	95	.332	1.045	2 15/32	2 1/16	7/8	13/64	4 5/8	79.2
D50SF102	SF	1/2 - 2 15/16	20.66	20.295	QD-4	102	.332	1.045	2 15/32	2 1/16	7/8	13/64	4 5/8	91.7
D50SF112	SF	1/2 - 2 15/16	22.65	22.285	QD-4	112	.332	1.045	2 15/32	2 1/16	7/8	13/64	4 5/8	111

Table No. 2 **Steel Double Type "B" Minimum Bore Sprockets**

Hardened Teeth

Part No.	DIAMETERS		No. Teeth	Type	BORE		DIMENSIONS					Wt. Lbs.
	Outside	Pitch			Stock	Max.*	T	M	L Max.	P	H	
D50B11	2.50"	2.219"	11	DB	5/8"	15/16"	.332"	1.045"	1 3/4"	45/64"	1 15/32"	1.0
D50B12	2.71	2.415	12	DB	5/8	1 1/8	.332	1.045	1 3/4	45/64	1 11/16	1.1
D50B13	2.91	2.612	13	DB	5/8	1 5/16	.332	1.045	1 3/4	45/64	1 7/8	1.4
D50B14	3.11	2.809	14	DB	5/8	1 3/8	.332	1.045	1 3/4	45/64	2 1/16	1.9
D50B15	3.32	3.006	15	DB	3/4	1 1/2	.332	1.045	1 3/4	45/64	2 5/16	2.4
D50B16	3.52	3.204	16	DB	3/4	1 3/4	.332	1.045	1 3/4	45/64	2 1/2	2.8
D50B17	3.72	3.401	17	DB	3/4	1 7/8	.332	1.045	1 3/4	45/64	2 11/16	3.2
D50B18	3.92	3.599	18	DB	3/4	1 15/16	.332	1.045	1 3/4	45/64	2 15/16	3.8
D50B19	4.12	3.797	19	DB	1	2 1/8	.332	1.045	1 3/4	45/64	3 1/8	4.1
D50B20	4.32	3.995	20	DB	1	2 1/4	.332	1.045	1 3/4	45/64	3 1/4	4.5
D50B21	4.52	4.194	21	DB	1	2 3/8	.332	1.045	1 3/4	45/64	3 1/2	5.2
D50B22	4.72	4.392	22	DB	1	2 1/2	.332	1.045	1 7/8	53/64	3 5/8	5.6
D50B23	4.92	4.590	23	DB	1	2 1/2	.332	1.045	1 7/8	53/64	3 5/8	6.0
D50B24	5.12	4.788	24	DB	1	2 1/2	.332	1.045	1 7/8	53/64	3 5/8	6.4
D50B25	5.32	4.987	25	DB	1	2 1/2	.332	1.045	1 7/8	53/64	3 3/4	7.1
D50B26	5.52	5.185	26	DB	1	2 1/2	.332	1.045	1 7/8	53/64	3 3/4	7.4
D50B30	6.32	5.979	30	DB	1	2 1/2	.332	1.045	1 7/8	53/64	3 3/4	9.5
D50B32	6.72	5.384	32	DB	1	2 1/2	.332	1.045	1 7/8	53/64	3 3/4	10.6
D50B35	7.32	6.972	35	DB	1	2 1/2	.332	1.045	1 7/8	53/64	3 3/4	12.6
D50B36	7.52	7.171	36	DB	1	2 3/4	.332	1.045	2 1/8	1 5/64	4 1/4	15.0
D50B40	8.32	7.966	40	DB	1	2 3/4	.332	1.045	2 1/8	1 5/64	4 1/4	17.7
D50B42	8.72	8.363	42	DB	1 3/16	2 3/4	.332	1.045	2 1/8	1 5/64	4 1/4	18.9
D50B45	9.31	8.960	45	DB	1 3/16	2 3/4	.332	1.045	2 1/8	1 5/64	4 1/4	21.3
D50B48	9.91	9.556	48	DB	1 3/16	2 3/4	.332	1.045	2 3/8	1 21/64	4 1/4	24.7
D50B52	10.71	10.351	52	DB	1 3/16	2 3/4	.332	1.045	2 3/8	1 21/64	4 1/4	28.4
D50B54	11.11	10.749	54	DB	1 3/16	2 3/4	.332	1.045	2 3/8	1 21/64	4 1/4	30.4
D50B60	12.30	11.942	60	DB	1 5/16	3	.332	1.045	2 3/8	1 21/64	4 1/2	36.9
D50B68	13.89	13.533	68	DB	1 5/16	3 1/4	.332	1.045	2 3/8	1 21/64	4 3/4	46.8
D50B72	14.69	14.329	72	DB	1 5/16	3 1/4	.332	1.045	2 3/8	1 21/64	4 3/4	51.9
D50B76	15.49	15.124	76	DB	1 5/16	3 1/4	.332	1.045	2 3/8	1 21/64	4 3/4	57.2
D50B84	17.08	16.715	84	DB	1 5/16	3 1/4	.332	1.045	2 3/8	1 21/64	4 3/4	68.8
D50B95	19.27	18.903	95	DB	1 5/16	3 5/16	.332	1.045	2 3/8	1 21/64	5	87.4
D50B96	19.47	19.102	96	DB	1 5/16	3 5/16	.332	1.045	2 3/8	1 21/64	5	89.1
D50B102	20.66	20.295	102	DB	1 5/16	3 5/16	.332	1.045	2 3/8	1 21/64	5	100
D50B112	22.65	22.285	112	DB	1 5/16	3 3/4	.332	1.045	2 3/8	1 21/64	5 1/2	121
D50B120	24.24	23.876	120	DB	1 5/16	3 3/4	.332	1.045	2 3/8	1 21/64	5 1/2	138

*** Maximum bore shown with standard keyway and setscrew over keyway. Slighly larger bores are possible with no keyway, shallow keyway or setscrew at angle to keyway.**
These type "B" sprockets are made without keyways or setscrews. They are furnished with a minimum bore which can be rebored to size and keywayed for a reasonable extra charge.

Table No. 3 **Steel Triple Sprockets with Q-D® Bushings**

Part No.	Bushing	Bore Range	DIAMETERS		Type	No. Teeth	DIMENSIONS						Wt. Less Bushing
			Outside	Pitch			T	M	OL Max.	L	P	H	
T50SK36	SK	1/2 - 2 5/8"	7.52"	7.171	QD-7	36	.332"	1.758	2 11/32"	1 15/16"	5/16"	3 7/8"	14.6
T50SK42	SK	1/2 - 2 5/8	8.72	8.363	QD-7	42	.332	1.758	2 11/32	1 15/16	5/16	3 7/8	21.5
T50SK48	SK	1/2 - 2 5/8	9.91	9.556	QD-7	48	.332	1.758	2 11/32	1 15/16	5/16	3 7/8	29.6
T50SF52	SF	1/2 - 2 15/16	10.71	10.351	QD-7	52	.332	1.758	2 15/32	2 1/16	3/8	4 5/8	34.4
T50SF60	SF	1/2 - 2 15/16	12.30	11.942	QD-7	60	.332	1.758	2 15/32	2 1/16	3/8	4 5/8	47.9
T50SF72	SF	1/2 - 2 15/16	14.69	14.329	QD-7	72	.332	1.758	2 15/32	2 1/16	3/8	4 5/8	71.8
T50SF84	SF	1/2 - 2 15/16	17.08	16.715	QD-7	84	.332	1.758	2 15/32	2 1/16	3/8	4 5/8	100
T50SF102	SF	1/2 - 2 15/16	20.66	20.295	QD-7	102	.332	1.758	2 15/32	2 1/16	3/8	4 5/8	151

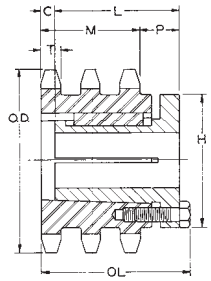
Sprockets for No. 50, 5/8" Pitch ANSI Chain

Table No. 1

Steel Triple Sprockets with Browning Split Taper® Bushings

HARDENED TEETH

Part No.	Bushing	Bore Range	DIAMETERS		No. Teeth	Type	DIMENSIONS							Wt. Less Bushing
			Outside	Pitch			T	M	OL	L	P	C	H	
T50P15	P2	3/4 - 1 3/4"	3.32"	3.006"	15	22	.332"	1.758"	3 7/16"	2 15/16"	1 15/32"	9/32"	3"	2.5
T50P16	P2	3/4 - 1 3/4	3.52	3.204	16	22	.332	1.758	3 7/16	2 15/16	1 15/32	9/32	3	2.4
T50P17	P2	3/4 - 1 3/4	3.72	3.401	17	22	.332	1.758	3 9/64	2 15/16	1 3/16	0	3	2.8
T50P18	P2	3/4 - 1 3/4	3.92	3.599	18	22	.332	1.758	3 9/64	2 15/16	1 3/16	0	3	3.4
T50P19	P1	1/2 - 1 3/4	4.12	3.797	19	24	.332	1.758	2 37/64	1 15/16	5/8	7/16	3	2.9
T50P20	P1	1/2 - 1 3/4	4.32	3.995	20	24	.332	1.758	2 37/64	1 15/16	5/8	7/16	3	3.1
T50P21	P1	1/2 - 1 3/4	4.52	4.194	21	24	.332	1.758	2 37/64	1 15/16	5/8	7/16	3	3.5
T50P23	P1	1/2 - 1 3/4	4.92	4.590	23	24	.332	1.758	2 37/64	1 15/16	5/8	7/16	3	4.5
T50Q24	Q1	3/4 - 2 11/16	5.12	4.788	24	23	.332	1.758	2 37/64	2 1/2	5/8	3/32	4 1/8	4.7
T50Q25	Q1	3/4 - 2 11/16	5.32	4.987	25	23	.332	1.758	2 37/64	2 1/2	5/8	3/32	4 1/8	5.0
T50Q26	Q1	3/4 - 2 11/16	5.52	5.185	26	23	.332	1.758	2 37/64	2 1/2	5/8	3/32	4 1/8	5.9
T50Q28	Q1	3/4 - 2 11/16	5.92	5.582	28	23	.332	1.758	2 37/64	2 1/2	5/8	3/32	4 1/8	7.3
T50Q30	Q1	3/4 - 2 11/16	6.32	5.979	30	23	.332	1.758	2 37/64	2 1/2	5/8	3/32	4 1/8	8.8
T50Q32	Q1	3/4 - 2 11/16	6.72	6.376	32	23	.332	1.758	2 37/64	2 1/2	5/8	3/32	4 1/8	10.9
T50Q35	Q1	3/4 - 2 11/16	7.32	6.972	35	23	.332	1.758	2 37/64	2 1/2	5/8	3/32	4 1/8	13.7
T50Q36	Q1	3/4 - 2 11/16	7.52	7.171	36	23	.332	1.758	2 37/64	2 1/2	5/8	3/32	4 1/8	14.6
T50Q40	Q1	3/4 - 2 11/16	8.32	7.966	40	23	.332	1.758	2 37/64	2 1/2	5/8	3/32	4 1/8	19.1
T50Q42	Q1	3/4 - 2 11/16	8.72	8.363	42	23	.332	1.758	2 37/64	2 1/2	5/8	3/32	4 1/8	21.5
T50Q48	Q1	3/4 - 2 11/16	9.91	9.556	48	23	.332	1.758	2 37/64	2 1/2	5/8	3/32	4 1/8	29.6
T50Q52	Q1	3/4 - 2 11/16	10.71	10.351	52	23	.332	1.758	2 37/64	2 1/2	5/8	3/32	4 1/8	36.4
T50R60	R1	1 1/8 - 3 3/4	12.30	11.942	60	22	.332	1.758	3 9/64	2 7/8	1 5/32	1/16	5 3/8	48.0
T50R68	R1	1 1/8 - 3 3/4	13.89	13.533	68	22	.332	1.758	3 9/64	2 7/8	1 5/32	1/16	5 3/8	63.5
T50R72	R1	1 1/8 - 3 3/4	14.69	14.329	72	22	.332	1.758	3 9/64	2 7/8	1 5/32	1/16	5 3/8	72.0
T50R76	R1	1 1/8 - 3 3/4	15.49	15.124	76	22	.332	1.758	3 9/64	2 7/8	1 5/32	1/16	5 3/8	81.0
T50R84	R1	1 1/8 - 3 3/4	17.08	16.715	84	22	.332	1.758	3 9/64	2 7/8	1 5/32	1/16	5 3/8	100
T50R95	R1	1 1/8 - 3 3/4	19.27	18.903	95	22	.332	1.758	3 9/64	2 7/8	1 5/32	1/16	5 3/8	130
T50R102	R1	1 1/8 - 3 3/4	20.66	20.295	102	22	.332	1.758	3 9/64	2 7/8	1 5/32	1/16	5 3/8	151



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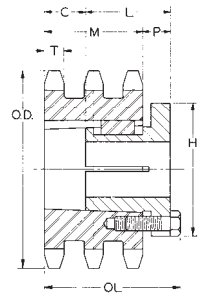

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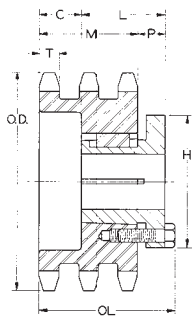

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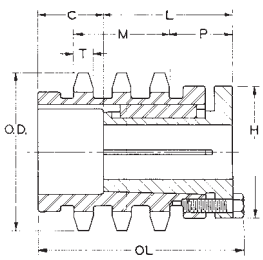


TYPE 27

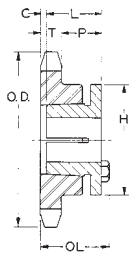
Standard Keyseats

Table No. 3

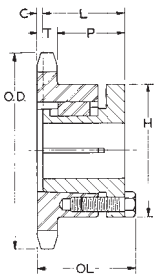
Bore Range	Keyseat
3/8" — 7/16"	None
1/2 — 9/16	1/8" X 1/16"
5/8 — 7/8	3/16 X 3/32
15/16 — 1 1/4	1/4 X 1/8
1 5/16 — 1 3/8	5/16 X 5/32
1 7/16 — 1 3/4	3/8 X 3/16
1 13/16 — 2 1/4	1/2 x 1/4
2 5/16 — 2 3/4	5/8 x 5/16
2 13/16 — 3 1/4	3/4 x 3/8
3 3/8 — 3 3/4	7/8 x 7/16

1 3/8" Bore Bushings also available with 3/8" x 3/16" Keyseat.

HARDENED TEETH



TYPE 3



TYPE 4

Table No. 1

Steel Single Sprockets with Browning Split Taper® Bushings

Part No.	Bushing	Bore Range	DIAMETERS		No. Teeth	Type	DIMENSIONS						Wt. Less Bushing
			Outside	Pitch			T Norm.	OL	L	P	C	H	
H60G10	G	3/8 - 1"	2.76"	2.427"	10	3	.459"	1 3/4"	1"	1 3/32"	9/16"	2"	.6
H60H11	H	3/8 - 1 1/2	2.96	2.662	11	3	.459	1 31/32	1 1/4	1 11/32	9/16	2 1/2	.7
H60H12	H	3/8 - 1 1/2	3.25	2.898	12	3	.459	1 13/16	1 1/4	1 3/16	13/32	2 1/2	.8
H60H13	H	3/8 - 1 1/2	3.45	3.134	13	3	.459	1 1/2	1 1/4	27/32	1/16	2 1/2	.8
H60P13	P1	1/2 - 1 3/4	3.45	3.134	13	4	.459	2 5/16	1 15/16	1 21/32	5/32	3	1.1
H60H14	H	3/8 - 1 1/2	3.74	3.371	14	3	.459	1 1/2	1 1/4	27/32	1/16	2 1/2	1.0
H60P14	P1	1/2 - 1 3/4	3.74	3.371	14	4	.459	2 3/16	1 15/16	1 15/32	0	3	1.2
H60H15	H	3/8 - 1 1/2	3.98	3.607	15	3	.459	1 1/2	1 1/4	27/32	1/16	2 1/2	1.2
H60P15	P1	1/2 - 1 3/4	3.98	3.607	15	4	.459	2 3/16	1 15/16	1 15/32	0	3	1.6
H60H16	H	3/8 - 1 1/2	4.22	3.844	16	3	.459	1 1/2	1 1/4	27/32	1/16	2 1/2	1.3
H60P16	P1	1/2 - 1 3/4	4.22	3.844	16	4	.459	2 3/16	1 15/16	1 15/32	0	3	2.0
H60H17	H	3/8 - 1 1/2	4.46	4.082	17	3	.459	1 1/2	1 1/4	27/32	1/16	2 1/2	1.5
H60P17	P1	1/2 - 1 3/4	4.46	4.082	17	4	.459	2 3/16	1 15/16	1 15/32	0	3	2.2
H60H18	H	3/8 - 1 1/2	4.70	4.319	18	3	.459	1 1/2	1 1/4	27/32	1/16	2 1/2	1.7
H60P18	P1	1/2 - 1 3/4	4.70	4.319	18	4	.459	2 3/16	1 15/16	1 15/32	0	3	2.4
H60H19	H	3/8 - 1 1/2	4.95	4.557	19	3	.459	1 1/2	1 1/4	27/32	1/16	2 1/2	1.9
H60P19	P1	1/2 - 1 3/4	4.95	4.557	19	4	.459	2 3/16	1 15/16	1 15/32	0	3	2.5
H60H20	H	3/8 - 1 1/2	5.19	4.794	20	3	.459	1 1/2	1 1/4	27/32	1/16	2 1/2	2.1
H60P20	P1	1/2 - 1 3/4	5.19	4.794	20	4	.459	2 3/16	1 15/16	1 15/32	0	3	3.0
H60Q20	Q1	3/4 - 2 11/16	5.19	4.794	20	4	.459	2 25/32	2 1/2	2 1/32	0	4 1/8	3.5
H60P21	P1	1/2 - 1 3/4	5.43	5.032	21	4	.459	2 3/16	1 15/16	1 15/32	0	3	3.0
H60Q21	Q1	3/4 - 2 11/16	5.43	5.032	21	4	.459	2 25/32	2 1/2	2 1/32	0	4 1/8	3.8
H60H22	H	3/8 - 1 1/2	5.67	5.270	22	3	.459	1 1/2	1 1/4	27/32	1/16	2 1/2	2.6
H60P22	P1	1/2 - 1 3/4	5.67	5.270	22	4	.459	2 3/16	1 15/16	1 15/32	0	3	3.3
H60Q22	Q1	3/4 - 2 11/16	5.67	5.270	22	4	.459	2 25/32	2 1/2	2 1/32	0	4 1/8	4.1
H60P23	P1	1/2 - 1 3/4	5.91	5.508	23	4	.459	2 3/16	1 15/16	1 15/32	0	3	3.5
H60Q23	Q1	3/4 - 2 11/16	5.91	5.508	23	4	.459	2 25/32	2 1/2	2 1/32	0	4 1/8	4.3
H60H24	H	3/8 - 1 1/2	6.15	5.746	24	3	.459	1 1/2	1 1/4	27/32	1/16	2 1/2	3.0
H60P24	P1	1/2 - 1 3/4	6.15	5.746	24	4	.459	2 3/16	1 15/16	1 15/32	0	3	3.9
H60Q24	Q1	3/4 - 2 11/16	6.15	5.746	24	4	.459	2 25/32	2 1/2	2 1/32	0	4 1/8	4.5
H60P25	P1	1/2 - 1 3/4	6.39	5.984	25	4	.459	2 3/16	1 15/16	1 15/32	0	3	4.3
H60Q25	Q1	3/4 - 2 11/16	6.39	5.984	25	4	.459	2 25/32	2 1/2	2 1/32	0	4 1/8	4.0
H60P26	P1	1/2 - 1 3/4	6.63	6.222	26	4	.459	2 3/16	1 15/16	1 15/32	0	3	4.3
H60Q26	Q1	3/4 - 2 11/16	6.63	6.222	26	4	.459	2 25/32	2 1/2	2 1/32	0	4 1/8	6.4
H60P27	P1	1/2 - 1 3/4	6.87	6.460	27	4	.459	2 3/16	1 15/16	1 15/32	0	3	4.6
H60Q27	Q1	3/4 - 2 11/16	6.87	6.460	27	4	.459	2 25/32	2 1/2	2 1/32	0	4 1/8	6.6
H60P28	P1	1/2 - 1 3/4	7.11	6.699	28	4	.459	2 3/16	1 15/16	1 15/32	0	3	5.0
H60Q28	Q1	3/4 - 2 11/16	7.11	6.699	28	4	.459	2 25/32	2 1/2	2 1/32	0	4 1/8	6.9
H60Q29	Q1	3/4 - 2 11/16	7.35	6.937	29	4	.459	2 25/32	2 1/2	2 1/32	0	4 1/8	7.3
H60P30	P1	1/2 - 1 3/4	7.59	7.175	30	4	.459	2 3/16	1 15/16	1 15/32	0	3	5.6
H60Q30	Q1	3/4 - 2 11/16	7.59	7.175	30	4	.459	2 25/32	2 1/2	2 1/32	0	4 1/8	7.7
60Q31	Q1	3/4 - 2 11/16	7.83	7.413	31	4	.459	2 25/32	2 1/2	2 1/32	0	4 1/8	7.8
60Q32	Q1	3/4 - 2 11/16	8.07	7.652	32	4	.459	2 25/32	2 1/2	2 1/32	0	4 1/8	8.3
60Q33	Q1	3/4 - 2 11/16	8.30	7.891	33	4	.459	2 25/32	2 1/2	2 1/32	0	4 1/8	8.7
60Q34	Q1	3/4 - 2 11/16	8.54	8.129	34	4	.459	2 25/32	2 1/2	2 1/32	0	4 1/8	9.1
60Q35	Q1	3/4 - 2 11/16	8.78	8.367	35	4	.459	2 25/32	2 1/2	2 1/32	0	4 1/8	9.3
60Q36	Q1	3/4 - 2 11/16	9.02	8.605	36	4	.459	2 25/32	2 1/2	2 1/32	0	4 1/8	9.9
60Q37	Q1	3/4 - 2 11/16	9.26	8.844	37	4	.459	2 25/32	2 1/2	2 1/32	0	4 1/8	10.3
60Q38	Q1	3/4 - 2 11/16	9.50	9.082	38	4	.459	2 25/32	2 1/2	2 1/32	0	4 1/8	10.6
60Q39	Q1	3/4 - 2 11/16	9.74	9.321	39	4	.459	2 25/32	2 1/2	2 1/32	0	4 1/8	11.1
60Q40	Q1	3/4 - 2 11/16	9.98	9.559	40	4	.459	2 25/32	2 1/2	2 1/32	0	4 1/8	11.6
60Q41	Q1	3/4 - 2 11/16	10.22	9.798	41	4	.459	2 25/32	2 1/2	2 1/32	0	4 1/8	11.9
60Q42	Q1	3/4 - 2 11/16	10.46	10.036	42	4	.459	2 25/32	2 1/2	2 1/32	0	4 1/8	12.6
60Q44	Q1	3/4 - 2 11/16	10.94	10.513	44	4	.459	2 25/32	2 1/2	2 1/32	0	4 1/8	13.4
60Q45	Q1	3/4 - 2 11/16	11.18	10.752	45	4	.459	2 25/32	2 1/2	2 1/32	0	4 1/8	13.9
60Q47	Q1	3/4 - 2 11/16	11.65	11.229	47	4	.459	2 25/32	2 1/2	2 1/32	0	4 1/8	16.3
60Q48	Q1	3/4 - 2 11/16	11.89	11.467	48	4	.459	2 25/32	2 1/2	2 1/32	0	4 1/8	16.4
60Q50	Q1	3/4 - 2 11/16	12.37	11.945	50	4	.459	2 25/32	2 1/2	2 1/32	0	4 1/8	16.9
60Q54	Q1	3/4 - 2 11/16	13.33	12.899	54	4	.459	2 25/32	2 1/2	2 1/32	0	4 1/8	19.6
60Q56	Q1	3/4 - 2 11/16	13.81	13.376	56	4	.459	2 25/32	2 1/2	2 1/32	0	4 1/8	20.3
60Q60	Q1	3/4 - 2 11/16	14.73	14.331	60	4	.459	2 25/32	2 1/2	2 1/32	0	5 3/8	22.9
60Q70	Q1	3/4 - 2 11/16	17.12	16.717	70	4	.459	2 25/32	2 1/2	2 1/32	0	4 1/8	30.9
60R70	R1	1 1/8 - 3 3/4	17.12	16.717	70	4	.459	3 5/32	2 7/8	2 13/32	0	5 3/8	31.8
60Q72	Q1	3/4 - 2 11/16	17.63	17.194	72	4	.459	2 25/32	2 1/2	2 1/32	0	4 1/8	31.9
60R72	R1	1 1/8 - 3 3/4	17.63	17.194	72	4	.459	3 5/32	2 7/8	2 13/32	0	5 3/8	34.1
60Q80	Q1	3/4 - 2 11/16	19.54	19.103	80	4	.459	2 25/32	2 1/2	2 1/32	0	4 1/8	39.1
60R80	R1	1 1/8 - 3 3/4	19.54	19.103	80	4	.459	3 5/32	2 7/8	2 13/32	0	5 3/8	41.5
60Q84	Q1	3/4 - 2 11/16	20.49	20.058	84	4	.459	2 25/32	2 1/2	2 1/32	0	4 1/8	41.6
60R84	R1	1 1/8 - 3 3/4	20.49	20.058	84	4	.459	3 5/32	2 7/8	2 13/32	0	5 3/8	44.8
60Q96	Q1	3/4 - 2 11/16	23.36	22.922	96	4	.459	2 25/32	2 1/2	2 1/32	0	4 1/8	54.0
60R96	R1	1 1/8 - 3 3/4	23.36	22.922	96	4	.459	3 5/32	2 7/8	2 13/32	0	5 3/8	56.0
60Q112	Q1	3/4 - 2 11/16	27.18	26.742	112	4	.459	2 25/32	2 1/2	2 1/32	0	4 1/8	73.0
60R112	R1	1 1/8 - 3 3/4	27.18	26.742	112	4	.459	3 5/32	2 7/8	2 13/32	0	5 3/8	74.5

Where two sprockets with the same number of teeth but different bushings are offered, we suggest using the one with the larger bushing for heavier service drives.

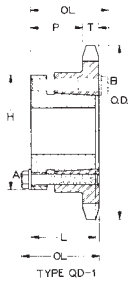
Sprockets for No. 60, 3/4" Pitch ANSI Chain

Table No. 1 **Steel Single Sprockets with Q-D® Bushings**

HARDENED TEETH

Part No.	Bushing	Bore Range	DIAMETERS		Type	No. Teeth	DIMENSIONS					Wt. Less Bushing
			Outside	Pitch			T Norm.	OL	L	P	H	
H60JA11*	JA	1/2 - 1 1/4"	3.00"	2.662"	QD-1	11	.459"	1 5/16"	1"	45/64"	2"	.54
H60JA12	JA	1/2 - 1 1/4	3.25	2.898	QD-1	12	.459	1 5/16	1	45/64	2	.74
H60JA13	JA	1/2 - 1 1/4	3.49	3.134	QD-1	13	.459	1 5/16	1	45/64	2	.89
H60SH14	SH	1/2- 1 5/8	3.74	3.371	QD-1	14	.459	1 23/32	1 5/16	1 3/64	2 11/16	1.04
H60SH15	SH	1/2- 1 5/8	3.98	3.607	QD-1	15	.459	1 23/32	1 5/16	1 3/64	2 11/16	1.30
H60SH16	SH	1/2- 1 5/8	4.22	3.844	QD-1	16	.459	1 23/32	1 5/16	1 3/64	2 11/16	1.57
H60SDS17	SDS	1/2 - 2	4.46	4.082	QD-1	17	.459	1 21/32	1 5/16	63/64	3 1/8	1.57
H60SDS18	SDS	1/2 - 2	4.70	4.319	QD-1	18	.459	1 21/32	1 5/16	63/64	3 1/8	1.78
H60SDS19	SDS	1/2 - 2	4.95	4.557	QD-1	19	.459	1 21/32	1 5/16	63/64	3 1/8	2.01
H60SDS20	SDS	1/2 - 2	5.19	4.794	QD-1	20	.459	1 21/32	1 5/16	63/64	3 1/8	2.23
H60SDS21	SDS	1/2 - 2	5.43	5.032	QD-1	21	.459	1 21/32	1 5/16	63/64	3 1/8	2.45
H60SDS22	SDS	1/2 - 2	5.67	5.270	QD-1	22	.459	1 21/32	1 5/16	63/64	3 1/8	2.69
H60SDS23	SDS	1/2 - 2	5.91	5.508	QD-1	23	.459	1 21/32	1 5/16	63/64	3 1/8	2.94
H60SDS24	SDS	1/2 - 2	6.15	5.746	QD-1	24	.459	1 21/32	1 5/16	63/64	3 1/8	3.20
H60SDS25	SDS	1/2 - 2	6.39	5.984	QD-1	25	.459	1 21/32	1 5/16	63/64	3 1/8	3.47
H60SK26	SK	1/2 - 2 5/8	6.63	6.222	QD-1	26	.459	2 11/32	1 15/16	1 39/64	3 7/8	4.53
H60SK27	SK	1/2 - 2 5/8	6.87	6.460	QD-1	27	.459	2 11/32	1 15/16	1 39/64	3 7/8	4.82
H60SK28	SK	1/2 - 2 5/8	7.11	6.699	QD-1	28	.459	2 11/32	1 15/16	1 39/64	3 7/8	5.1
H60SK30	SK	1/2 - 2 5/8	7.59	7.175	QD-1	30	.459	2 11/32	1 15/16	1 39/64	3 7/8	5.8
60SK32	SK	1/2 - 2 5/8	8.07	7.652	QD-1	32	.459	2 11/32	1 15/16	1 39/64	3 7/8	6.5
60SK35	SK	1/2 - 2 5/8	8.78	8.367	QD-1	35	.459	2 11/32	1 15/16	1 39/64	3 7/8	7.6
60SK36	SK	1/2 - 2 5/8	9.02	8.605	QD-1	36	.459	2 11/32	1 15/16	1 39/64	3 7/8	8.0
60SK40	SK	1/2 - 2 5/8	9.98	9.559	QD-1	40	.459	2 11/32	1 15/16	1 39/64	3 7/8	9.7
60SF42	SF	1/2 - 2 15/16	10.46	10.036	QD-1	42	.459	2 15/32	2 1/16	1 43/64	4 5/8	11.4
60SF45	SF	1/2 - 2 15/16	11.18	10.752	QD-1	45	.459	2 15/32	2 1/16	1 43/64	4 5/8	12.9
60SF48	SF	1/2 - 2 15/16	11.89	11.467	QD-1	48	.459	2 15/32	2 1/16	1 43/64	4 5/8	14.5
60SF54	SF	1/2 - 2 15/16	13.33	12.899	QD-1	54	.459	2 15/32	2 1/16	1 43/64	4 5/8	17.4
60SF60	SF	1/2 - 2 15/16	14.76	14.331	QD-1	60	.459	2 15/32	2 1/16	1 43/64	4 5/8	21.2
60SF70	SF	1/2 - 2 15/16	17.15	16.717	QD-1	70	.459	2 15/32	2 1/16	1 43/64	4 5/8	28.4
60SF72	SF	1/2 - 2 15/16	17.63	17.194	QD-1	72	.459	2 15/32	2 1/16	1 43/64	4 5/8	30.0
60SF80	SF	1/2 - 2 15/16	19.54	19.103	QD-1	80	.459	2 15/32	2 1/16	1 43/64	4 5/8	36.8
60SF84	SF	1/2 - 2 15/16	20.49	20.058	QD-1	84	.459	2 15/32	2 1/16	1 43/64	4 5/8	40.4
60SF96	SF	1/2 - 2 15/16	23.36	22.922	QD-1	96	.459	2 15/32	2 1/16	1 43/64	4 5/8	52.4

*** Bushing mounts with capscrews on "A" side only.**



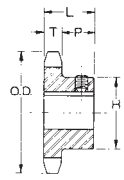
TYPE QD-1

Standard Keyseats

Table No. 2

Bore Range	Keyseat
3/8" — 7/16"	None
1/2 — 9/16	1/8" X 1/16"
5/8 — 7/8	3/16 X 3/32
15/16 — 1 1/4	1/4 X 1/8
1 5/16 — 1 3/8	5/16 X 5/32
1 7/16 — 1 3/4	3/8 X 3/16
1 13/16 — 2 1/4	1/2 x 1/4
2 5/16 — 2 3/4	5/8 x 5/16
2 13/16 — 3 1/4	3/4 x 3/8
3 3/8 — 3 3/4	7/8 x 7/16

1 3/8" Bore Bushings also available with 3/8" x 3/16" Keyseat.



TYPE 1

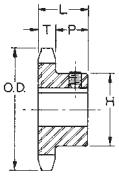
Table No. 1

Steel Finished Bore Single Sprockets

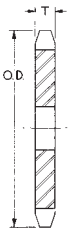
HARDENED TEETH

Part No.	DIAMETERS Outside	DIAMETERS Pitch	No. Teeth	Type	STOCK BORES MARKED "X" 3/4"	7/8"	1"	1 1/8"	1 3/16"	1 1/4"	1 3/8"	1 7/16"	1 1/2"	1 5/8"	1 3/4"	1 15/16"	DIMENSIONS T Nom.	L	P	Wt. Lbs.
H609	2.50"	2.193"	9	1	x	x	x	-	-	-	-	-	-	-	-	-	.459"	1 3/16"	47/64"	.6
H6010	2.76	2.427	10	1	x	x	x	x	x	x	-	-	-	-	-	-	.459	1 3/16	47/64	.8
H6011	2.96	2.662	11	1	x	x	x	x	x	x	-	-	-	-	-	-	.459	1 3/16	47/64	1.0
H6012	3.25	2.898	12	1	x	x	x	x	x	x	x	x	-	-	-	-	.459	1 3/16	47/64	1.3
H6013	3.45	3.134	13	1	x	x	x	x	x	x	x	x	x	-	-	-	.459	1 3/16	47/64	1.5
H6014	3.74	3.371	14	1	x	x	x	x	x	x	x	x	x	-	-	-	.459	1 3/16	47/64	1.7
H6015	3.98	3.607	15	1	x	x	x	x	x	x	x	x	x	x	x	-	.459	1 3/16	47/64	2.0
H6016	4.22	3.844	16	1	x	x	x	x	x	x	x	x	x	x	x	x	.459	1 3/16	47/64	2.5
H6017	4.46	4.082	17	1	-	-	x	x	x	x	x	x	x	x	x	x	.459	1 3/16	47/64	2.7
H6018	4.70	4.319	18	1	-	-	x	x	x	x	x	x	x	x	x	x	.459	1 3/16	47/64	3.4
H6019	4.95	4.557	19	1	-	-	x	x	x	x	x	x	x	x	x	x	.459	1 3/16	47/64	4.1
H6020	5.19	4.794	20	1	-	-	x	x	x	x	x	x	x	x	x	x	.459	1 3/16	47/64	3.9
H6021	5.43	5.032	21	1	-	-	x	x	x	x	x	x	x	x	x	x	.459	1 3/16	47/64	5.4
H6022	5.67	5.270	22	1	-	-	x	x	x	x	x	x	x	x	x	x	.459	1 3/16	47/64	5.7
H6023	5.91	5.508	23	1	-	-	x	x	x	x	x	x	x	x	x	x	.459	1 3/16	47/64	6.0
H6024	6.15	5.746	24	1	-	-	x	x	x	x	x	x	x	x	x	x	.459	1 3/16	47/64	6.3
H6025	6.39	5.984	25	1	-	-	x	x	x	x	x	x	x	x	x	x	.459	1 3/16	47/64	6.5
H6026	6.63	6.222	26	1	-	-	x	x	x	x	x	x	x	x	x	x	.459	1 3/16	47/64	6.8
H6027	6.87	6.460	27	1	-	-	x	x	x	x	x	x	x	x	x	x	.459	1 3/16	47/64	7.1
H6028	7.11	6.699	28	1	-	-	x	x	x	x	x	x	x	x	x	x	.459	1 3/16	47/64	7.4
H6029	7.35	6.937	29	1	-	-	x	x	x	x	x	x	x	x	x	x	.459	1 3/16	47/64	7.4
H6030	7.59	7.175	30	1	-	-	x	x	x	x	x	x	x	x	x	x	.459	1 3/16	47/64	8.0
6032	8.07	7.652	32	1	-	-	x	-	-	x	-	x	x	-	-	x	.459	1 3/16	47/64	8.6
6035	8.78	8.367	35	1	-	-	x	-	-	x	-	x	x	x	x	x	.459	1 3/16	47/64	9.5
6036	9.02	8.605	36	1	-	-	x	-	-	x	-	x	x	-	-	x	.459	1 3/16	47/64	9.9
6040	9.98	9.559	40	1	-	-	x	-	-	x	-	x	x	-	-	x	.459	1 3/16	47/64	11.5
6045	11.18	10.752	45	1	-	-	x	-	-	x	x	x	x	-	-	x	.459	1 3/16	47/64	13.8
6046	11.42	10.990	46	1	-	-	-	-	-	-	-	-	-	-	-	x	.459	1 3/16	47/64	14.2
6076	18.55	18.149	76	1	-	-	-	-	-	-	-	-	-	-	-	x	.459	1 13/16	1 23/64	33.7

All Stock Finished Bore Sprockets are furnished with Standard Keyway on Centerline of Toothe and Hallow Head Setscrew over Keyway. Sprockets with HARDENED TEETH have an additional Setscrew at 90° to Keyway.



TYPE 1



TYPE A

Table No. 2

Type "A" Steel Plate Sprockets

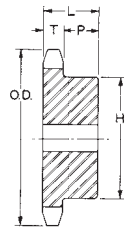
Part No.	Outside Dia.	Pitch Dia.	No. Teeth	Stock Bore	T (Nom.)	Wt. Lbs.	Part No.	Outside Dia.	Pitch Dia.	No. Teeth	Stock Bore	T (Nom.)	Wt. Lbs.
60A10	2.76"	2.427"	10	5/8"	.459"	.4	**60A42**	10.46"	10.036"	42	3/4"	.459"	9.9
60A11	3.00	2.662	11	5/8	.459	.5	**60A43**	10.70	10.275	43	3/4	.459	10.1
60A12	3.25	3.134	12	5/8	.459	.6	**60A44**	10.94	10.513	44	3/4	.459	10.6
60A13	3.45	3.134	13	5/8	.459	.7	**60A45**	11.18	10.752	45	3/4	.459	11.3
60A14	3.74	3.371	14	5/8	.459	.9	**60A46**	11.42	10.990	46	3/4	.459	11.8
60A15	3.98	3.607	15	5/8	.459	1.0	**60A47**	11.65	11.229	47	3/4	.459	12.3
60A16	4.22	3.844	16	5/8	.459	1.1	**60A48**	11.89	11.467	48	3/4	.459	12.6
60A17	4.46	4.082	17	5/8	.459	1.3	**60A49**	12.13	11.706	49	3/4	.459	13.2
60A18	4.70	4.319	18	5/8	.459	1.5	**60A50**	12.37	11.945	50	3/4	.459	13.8
60A19	4.95	4.557	19	3/4	.459	1.8	**60A51**	12.61	12.183	51	3/4	.459	14.4
60A20	5.19	4.794	20	3/4	.459	1.9	**60A52**	12.85	12.422	52	3/4	.459	15.0
60A21	5.43	5.032	21	3/4	.459	2.2	**60A53**	13.09	12.660	53	3/4	.459	15.5
60A22	5.67	5.270	22	3/4	.459	2.4	**60A54**	13.33	12.899	54	3/4	.459	16.1
60A23	5.91	5.508	23	3/4	.459	2.6	**60A55**	13.57	13.137	55	3/4	.459	16.7
60A24	6.15	5.746	24	3/4	.459	2.8	**60A56**	13.81	13.376	56	3/4	.459	17.3
60A25	6.39	5.984	25	3/4	.459	3.3	**60A57**	14.04	13.615	57	3/4	.459	18.0
60A26	6.53	6.222	26	3/4	.459	3.6	**60A58**	14.28	13.853	58	3/4	.459	18.6
60A27	6.87	6.460	27	3/4	.459	4.0	**60A59**	14.52	14.092	59	3/4	.459	19.3
60A28	7.11	6.699	28	3/4	.459	4.3	**60A60**	14.76	14.331	60	3/4	.459	19.9
60A29	7.35	6.937	29	3/4	.459	4.5	**60A64**	15.72	15.285	64	3/4	.459	22.7
60A30	7.59	7.175	30	3/4	.459	4.9	**60A65**	15.93	15.524	65	3/4	.459	23.4
60A31	7.83	7.413	31	3/4	.459	5.3	**60A66**	16.16	15.762	66	3/4	.459	24.1
60A32	8.07	7.652	32	3/4	.459	5.6	**60A68**	16.67	16.240	68	3/4	.459	25.6
60A33	8.30	7.890	33	3/4	.459	6.0	**60A70**	17.15	16.717	70	3/4	.459	27.1
60A34	8.54	8.129	34	3/4	.459	6.5	**60A72**	17.63	17.194	72	3/4	.459	28.7
60A35	8.78	8.367	35	3/4	.459	7.0	**60A76**	18.55	18.149	76	1	.459	33.9
60A36	9.02	8.605	36	3/4	.459	7.3	**60A80**	19.54	19.103	80	1	.459	37.3
60A37	9.26	8.844	37	3/4	.459	7.8	**60A84**	20.49	20.058	84	1	.459	39.9
60A38	9.50	9.082	38	3/4	.459	8.2	**60A90**	21.93	21.490	90	1	.459	44.9
60A39	9.74	9.321	39	3/4	.459	8.3	**60A96**	23.36	22.922	96	1	.459	52.4
60A40	9.98	9.559	40	3/4	.459	9.0	**60A112**	27.18	26.742	112	1	.459	68.5
60A41	10.22	9.798	41	3/4	.459	9.4							

Sprockets for No. 60, 3/4" Pitch ANSI Chain

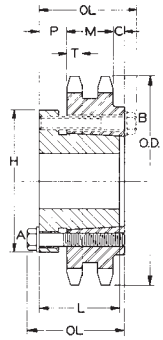
Table No. 1 **Steel Single Type "B" Minimum Bore Single Sprockets**

Part No.	DIAMETERS		No. Teeth	Type	BORE		DIMENSIONS				Wt. Lbs.
	Outside	Pitch			Stock	Max.*	T Nom.	L Max.	P	H	
60B8	2.26"	1.960"	8	B	5/8"	13/16"	.459"	1 1/4"	51/64"	1 15/32"†	.5
60B9	2.50	2.193	9	B	3/4	15/16	.459	1 1/4	51/64	1 11/16†	.6
60B10	2.76	2.427	10	B	3/4	1 3 /16	.459	1 1/4	51/64	1 15/16†	.9
60B11	2.96	2.662	11	B	3/4	1 5/16	.459	1 1/4	51/64	2 5/32†	1.0
60B12	3.25	2.898	12	B	34	1 3/8	.459	1 1/4	51/64	2 25/64†	1.3
60B13	3.45	3.134	13	B	3/4	1 1/2	.459	1 1/4	51/64	2 41/64†	1.7
60B14	3.75	3.371	14	B	3/4	1 3/4	.459	1 3/16	47/64	2 9/16	2.0
60B15	3.98	3.607	15	B	3/4	1 7/8	.459	1 3/16	47/64	2 7/8	2.4
60B16	4.22	3.844	16	B	3/4	2	.459	1 3/16	47/64	3 1/16	2.8
60B17	4.46	4.082	17	B	3/4	2 1/4	.459	1 3/16	47/64	3 3/8	3.2
60B18	4.70	4.319	18	B	3/4	2 3/8	.459	1 3/16	47/64	3 1/2	3.9
60B19	4.95	4.557	19	B	3/4	2 3/8	.459	1 3/16	47/64	3 1/2	4.2
60B20	5.19	4.794	20	B	3/4	2 5/8	.459	1 3/16	47/64	3 7/8	4.6
60B21	5.43	5.032	21	B	34	2 5/8	.459	1 3/16	47/64	3 7/8	4.8
60B22	5.67	5.270	22	B	3/4	2 5/8	.459	1 3/16	47/64	3 7/8	5.1
60B23	5.91	5.508	23	B	3/4	2 5/8	.459	1 3/16	47/64	3 7/8	5.3
60B24	6.15	5.746	24	B	3/4	2 5/8	.459	1 3/16	47/64	4	5.6
60B25	6.39	5.984	25	B	3/4	2 3/4	.459	1 3/16	47/64	4	6.1
60B26	6.63	6.222	26	B	3/4	2 3/4	.459	1 3/16	47/64	4	6.4
60B27	6.87	6.460	27	B	3/4	2 3/4	.459	1 3/16	47/64	4	6.7
60B28	7.11	6.699	28	B	3/4	2 3/4	.459	1 3/16	47/64	4	7.0
60B29	7.35	6.937	29	B	3/4	2 3/4	.459	1 3/16	47/64	4	7.4
60B30	7.59	7.175	30	B	34	2 3/4	.459	1 3/16	47/64	4	7.7
60B31	7.83	7.413	31	B	3/4	2 3/4	.459	1 3/16	47/64	4	8.0
60B32	8.07	7.652	32	B	3/4	2 3/4	.459	1 3/16	47/64	4	8.4
60B33	8.30	7.890	33	B	3/4	2 3/4	.459	1 3/16	47/64	4	8.8
60B34	8.54	8.129	34	B	3/4	2 3/4	.459	1 3/16	47/64	4	9.2
60B35	8.78	8.367	35	B	3/4	2 3/4	.459	1 3/16	47/64	4	9.6
60B36	9.02	8.605	36	B	3/4	2 3/4	.459	1 3/16	47/64	4	10.0
60B37	9.26	8.844	37	B	3/4	2 3/4	.459	1 3/16	47/64	4	10.4
60B38	9.50	9.082	38	B	3/4	2 3/4	.459	1 3/16	47/64	4 1/4	11.2
60B39	9.74	9.321	39	B	34	2 3/4	.459	1 3/16	47/64	4 1/4	11.6
60B40	9.98	9.559	40	B	3/4	2 3/4	.459	1 3/16	47/64	4 1/4	12.1
60B41	10.22	9.798	41	B	3/4	2 3/4	.459	1 3/16	47/64	4 1/4	12.6
60B42	10.46	10.036	42	B	3/4	2 3/4	.459	1 3/16	47/64	4 1/4	13.1
60B43	10.70	10.275	43	B	3/4	2 3/4	.459	1 3/16	47/64	4 1/4	13.6
60B44	10.94	10.513	44	B	3/4	2 3/4	.459	1 3/16	47/64	4 1/4	14.1
60B45	11.18	10.752	45	B	3/4	2 3/4	.459	1 3/16	47/64	4 1/4	14.6
60B46	11.42	10.990	46	B	3/4	2 3/4	.459	13/16	47/64	4 1/4	15.2
60B47	11.65	11.229	47	B	3/4	2 3/4	.459	1 3/16	47/64	4 1/4	15.6
60B48	11.89	11.467	48	B	3/4	2 3/4	.459	1 3/16	47/64	4 1/4	16.2
60B49	12.13	11.706	49	B	3/4	2 3/4	.459	13/16	47/64	4 1/4	16.8
60B50	12.37	11.945	50	B	3/4	2 3/4	.459	1 3/16	47/64	4 1/4	17.3
60B51	12.61	12.183	51	B	3/4	2 3/4	.459	1 3/16	47/64	4 1/4	18.0
60B52	12.85	12.422	52	B	3/4	2 3/4	.459	1 3/16	47/64	4 1/4	18.6
60B53	13.09	12.660	53	B	3/4	2 3/4	.459	1 3/16	47/64	4 1/4	19.2
60B54	13.33	12.899	54	B	34	2 3/4	.459	1 3/16	47/64	4 1/4	19.8
60B56	13.81	13.376	56	B	3/4	3 1/8	.459	1 3/4	1 19/64	4 5/8	24.2
60B57	14.04	13.615	57	B	3/4	3 1/8	.459	1 3/4	1 19/64	4 5/8	24.95
60B58	14.28	13.853	58	B	3/4	3 1/8	.459	1 3/4	19/64	4 5/8	25.6
60B60	14.76	14.331	60	B	3/4	3 1/8	.459	1 3/4	19/64	4 5/8	26.9
60B64	15.72	15.285	64	B	3/4	3 1/8	.459	1 3/4	19/64	4 5/8	29.8
60B65	15.96	15.524	65	B	3/4	3 1/8	.459	1 3/4	19/64	4 5/8	30.5
60B68	16.67	16.240	68	B	3/4	3 1/8	.459	1 3/4	19/64	4 5/8	32.8
60B70	17.15	16.717	70	B	3/4	3 1/8	.459	1 3/4	19/64	4 5/8	34.4
60B72	17.63	17.194	72	B	3/4	3 1/8	.459	1 3/4	19/64	4 5/8	36.1
60B76	18.58	18.149	76	B	1	3 1/4	.459	1 13/16	1 23/64	4 3/4	40.0
60B80	19.54	19.103	80	B	1	3 1/4	.459	1 13/16	1 23/64	4 3/4	43.6
60B84	20.49	20.058	84	B	1	3 1/4	.459	1 13/16	1 23/64	4 3/4	47.4
60B90	21.93	21.490	90	B	1	4	.459	2 1/8	1 43/64	6	60.0
60B96	23.36	22.922	96	B	1	4	.459	2 1/8	1 43/64	6	66.5
60B112	27.18	26.742	112	B	1	4	.459	2 1/8	1 43/64	6	85.8

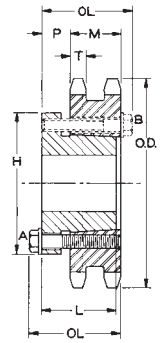
* Maximum bore shown is with standard keyway and setscrew over keyway. Slightly larger bores are possible with no keyway, shallow keyway or setscrew at angle to keyway.
† Hub is recessed for chain clearance.
These type "B" Sprockets are furnished with no keyway and no setscrew. They are made with minimum bore which can be rebored to size, keywayed an setscrewed for a reasonable extra charge.



TYPE B



TYPE QD-4



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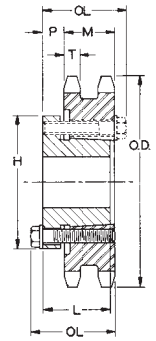


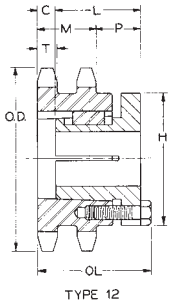
TYPE QD-6

Standard Keyseats

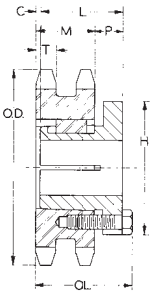
Table No. 3

Bore Range	Keyseat
1/2" — 9/16"	1/8" X 1/16"
5/8 — 7/8	3/16 X 3/32
15/16 — 1 1/4	1/4 X 1/8
1 5/16 — 1 3/8	5/16 X 5/32
1 7/16 — 1 3/4	3/8 X 3/16
1 13/16 — 2 1/4	1/2 x 1/4
2 5/16 — 2 3/4	5/8 x 5/16
2 13/16 — 3 1/4	3/4 x 3/8
3 3/8 — 3 3/4	7/8 x 7/16

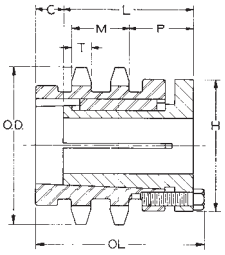
1 3/8" Bore Bushings also available with 3/8" x 3/16" Keyseat.



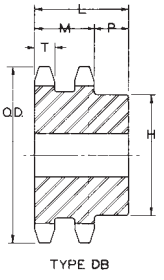
TYPE 12



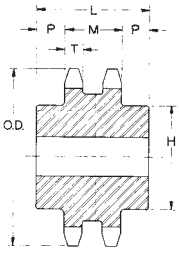
TYPE 13



TYPE 16



TYPE DB



TYPE DC

Table No. 1 **Steel Double Sprockets with Q-D® Bushings**

Part No.	Bushing	Bore Range	DIAMETERS Outside	DIAMETERS Pitch	Type	No. Teeth	DIMENSIONS T	M	OL Max	L	P	C	H	Wt. Less Bushing
D60SH14*	SH	1/2 - 1 5/8"	3.74"	3.371	QD-5	14	.444"	1.341"	2 1/4"	1 7/32"	11/16"	-	2 11/16"	1.87
D60SDS22	SDS	1/2 - 2	5.67	5.270	QD-6	22	.444	1.341	1 21/32	1 5/16	3/32	-	3 1/8	5.3
D60SF36	SF	1/2 - 2 15/16	9.02	8.602	QD-6	36	.444	1.341	2 15/32	2 1/16	25/32	-	4 5/8	17.6
D60E42	E	7/8 - 3 1/2	10.46	10.036	QD-4	42	.444	1.341	3 1/4	2 3/4	1 3/16	9/32"	6	25.6
D60E45	E	7/8 - 3 1/2	11.18	10.752	QD-4	45	.444	1.341	3 1/4	2 3/4	1 3/16	9/32	6	29.9
D60E52	E	7/8 - 3 1/2	12.85	12.422	QD-4	52	.444	1.341	3 1/4	2 3/4	1 3/16	9/32	6	41.2
D60E60	E	7/8 - 3 1/2	14.76	14.331	QD-4	60	.444	1.341	3 1/4	2 3/4	1 3/16	9/32	6	56.1
D60E68	E	7/8 - 3 1/2	16.67	16.240	QD-4	68	.444	1.341	3 1/4	2 3/4	1 3/16	9/32	6	73.1
D60E76	E	7/8 - 3 1/2	18.58	18.149	QD-4	76	.444	1.341	3 1/4	2 3/4	1 3/16	9/32	6	92.4
D60E95	E	7/8 - 3 1/2	23.12	22.683	QD-4	95	.444	1.341	3 1/4	2 3/4	1 3/16	9/32	6	147

*** Bushing mounts with capscrews on "A" side only.**

Table No. 2 **Steel Double Sprockets with Q-D® Bushings**

HARDENED TEETH

Part No.	Bushing	Bore Range	DIAMETERS Outside	DIAMETERS Pitch	No. Teeth	Type	DIMENSIONS T	M	OL	L	P	C	H	Wt. Less Bushing
D60P13	P1	1/2 - 1 3/4"	3.45"	3.134"	13	12	.444"	1.341"	3 1/8"	1 15/16"	1 19/32"	63/64"	3"	2.5
D60P14	P1	1/2 - 1 3/4	3.74	3.371	14	12	.444	1.341	3	1 15/16	1 13/32	13/16	3	2.3
D60P15	P1	1/2 - 1 3/4	3.98	3.607	15	12	.444	1.341	3	1 15/16	1 13/32	13/16	3	2.7
D60P16	P1	1/2 - 1 3/4	4.22	3.844	16	13	.444	1.341	2 7/32	1 15/16	5/8	1/32	3	2.4
D60P17	P1	1/2 - 1 3/4	4.46	4.082	17	13	.444	1.341	2 7/32	1 15/16	5/8	1/32	3	2.8
D60P18	P1	1/2 - 1 3/4	4.70	4.319	18	13	.444	1.341	2 7/32	1 15/16	5/8	1/32	3	3.4
D60P19	P1	1/2 - 1 3/4	4.95	4.557	19	13	.444	1.341	2 7/32	1 15/16	5/8	1/32	3	4.0
D60P20	P1	1/2 - 1 3/4	5.19	4.794	20	13	.444	1.341	2 7/32	1 15/16	5/8	1/32	3	4.7
D60Q21	Q1	3/4 - 2 11/16	5.43	5.032	21	12	.444	1.341	2 25/32	2 1/2	1 5/32	0	4 1/8	4.8
D60Q22	Q1	3/4 - 2 11/16	5.67	5.270	22	12	.444	1.341	2 25/32	2 1/2	1 5/32	0	4 1/8	5.6
D60Q23	Q1	3/4 - 2 11/16	5.91	5.508	23	12	.444	1.341	2 25/32	2 1/2	1 5/32	0	4 1/8	6.3
D60Q24	Q1	3/4 - 2 11/16	6.15	5.746	24	12	.444	1.341	2 25/32	2 1/2	1 5/32	0	4 1/8	7.0
D60Q25	Q1	3/4 - 2 11/16	6.39	5.984	25	12	.444	1.341	2 25/32	2 1/2	1 5/32	0	4 1/8	7.9
D60Q26	Q1	3/4 - 2 11/16	6.63	6.222	26	12	.444	1.341	2 25/32	2 1/2	1 5/32	0	4 1/8	8.8
D60Q27	Q1	3/4 - 2 11/16	6.87	6.460	27	12	.444	1.341	2 25/32	2 1/2	1 5/32	0	4 1/8	9.6
D60Q28	Q1	3/4 - 2 11/16	7.11	6.699	28	12	.444	1.341	2 25/32	2 1/2	1 5/32	0	4 1/8	10.5
D60Q30	Q1	3/4 - 2 11/16	7.59	7.175	30	12	.444	1.341	2 25/32	2 1/2	1 5/32	0	4 1/8	12.3
D60Q32	Q1	3/4 - 2 11/16	8.07	7.652	32	12	.444	1.341	2 25/32	2 1/2	1 5/32	0	4 1/8	14.3
D60Q35	Q1	3/4 - 2 11/16	8.78	8.367	35	12	.444	1.341	2 25/32	2 1/2	1 5/32	0	4 1/8	17.7
D60Q36	Q1	3/4 - 2 11/16	9.02	8.605	36	12	.444	1.341	2 25/32	2 1/2	1 5/32	0	4 1/8	18.4
D60Q40	Q1	3/4 - 2 11/16	9.98	9.559	40	12	.444	1.341	2 25/32	2 1/2	1 5/32	0	4 1/8	23.9
D60Q42	Q1	3/4 - 2 11/16	10.46	10.036	42	12	.444	1.341	2 25/32	2 1/2	1 5/32	0	4 1/8	26.3
D60R42	R1	1 1/8 - 3 3/4	10.46	10.036	42	12	.444	1.341	3 5/32	2 7/8	1 17/32	0	5 3/8	25.7
D60R45	R1	1 1/8 - 3 3/4	11.18	10.752	45	12	.444	1.341	3 5/32	2 7/8	1 17/32	0	5 3/8	30.2
D60R48	R1	1 1/8 - 3 3/4	11.89	11.467	48	12	.444	1.341	3 5/32	2 7/8	1 17/32	0	5 3/8	35.1
D60R52	R1	1 1/8 - 3 3/4	12.85	12.422	52	12	.444	1.341	3 5/32	2 7/8	1 17/32	0	5 3/8	41.8
D60R54	R1	1 1/8 - 3 3/4	13.33	12.899	54	12	.444	1.341	3 5/32	2 7/8	1 17/32	0	5 3/8	45.1
D60R60	R1	1 1/8 - 3 3/4	14.76	14.331	60	12	.444	1.341	3 5/32	2 7/8	1 17/32	0	5 3/8	54.8
D60R68	R1	1 1/8 - 3 3/4	16.67	16.240	68	12	.444	1.341	3 5/32	2 7/8	1 17/32	0	5 3/8	73.8
D60R72	R1	1 1/8 - 3 3/4	17.63	17.194	72	12	.444	1.341	3 5/32	2 7/8	1 17/32	0	5 3/8	81.8
D60R76	R1	1 1/8 - 3 3/4	18.58	18.149	76	12	.444	1.341	3 5/32	2 7/8	1 17/32	0	5 3/8	93.0
D60R84	R1	1 1/8 - 3 3/4	20.49	20.058	84	12	.444	1.341	3 5/32	2 7/8	1 17/32	0	5 3/8	111
D60R95	R1	1 1/8 - 3 3/4	23.12	22.683	95	12	.444	1.341	3 5/32	2 7/8	1 17/32	0	5 3/8	148
D60R96	R1	1 1/8 - 3 3/4	23.36	22.922	96	12	.444	1.341	3 5/32	2 7/8	1 17/32	0	5 3/8	155

Table No. 3 **Steel Double Type "B" and "C" Minimum Bore Sprockets**

HARDENED TEETH

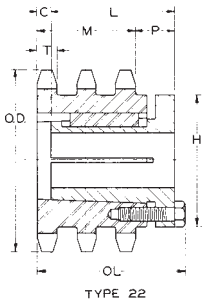
Part No.	DIAMETERS Outside	DIAMETERS Pitch	No. Teeth	Type	BORE Stock	BORE Max.*	DIMENSIONS T	M	L Max.	P	H	Wt. Lbs.
D60B11	3.00"	2.662"	11	DB	1"	1 1/4"	.444"	1.341"	2 1/8"	25/32"	1 13/16"	1.5
D60B12	3.25	2.898	12	DB	1	1 7/16	.444	1.341	2 1/8	25/32	2 1/8	2.1
D60B13	3.45	3.134	13	DB	1	1 1/2	.444	1.341	2 1/8	25/32	2 1/4	2.5
D60B14	3.74	3.371	14	DB	1	1 3/4	.444	1.341	2 1/8	25/32	2 1/2	3.1
D60B15	3.98	3.607	15	DB	1	1 7/8	.444	1.341	2 1/8	25/32	2 13/16	4.0
D60B16	4.22	3.844	16	DB	1	2	.444	1.341	2 1/8	25/32	3	4.9
D60B17	4.46	4.082	17	DB	1	2 1/4	.444	1.341	2 1/8	25/32	3 1/4	5.7
D60B18	4.70	4.319	18	DB	1	2 3/8	.444	1.341	2 1/8	25/32	3 1/2	6.5
D60B19	4.95	4.557	19	DB	1	2 1/2	.444	1.341	2 1/8	25/32	3 11/16	6.8
D60B20	5.19	4.794	20	DB	1	2 1/2	.444	1.341	2 1/8	25/32	3 3/4	7.7
D60B21	5.43	5.032	21	DB	1	2 3/4	.444	1.341	2 1/8	25/32	4 1/8	9.3
D60B22	5.67	5.270	22	DB	1	2 3/4	.444	1.341	2 1/8	25/32	4 1/4	9.8
D60B23	5.91	5.508	23	DB	1	2 3/4	.444	1.341	2 1/8	25/32	4 1/4	10.5
D60B24	6.15	5.746	24	DB	1	2 3/4	.444	1.341	2 1/8	25/32	4 1/4	11.2
D60B25	6.39	5.984	25	DB	1	2 3/4	.444	1.341	2 1/8	25/32	4 1/4	11.8
D60B26	6.63	6.222	26	DB	1	2 3/4	.444	1.341	2 1/8	25/32	4 1/4	12.8
D60B30	7.59	7.175	30	DB	1	2 3/4	.444	1.341	2 1/8	25/32	4 1/4	16.6
D60B32	8.07	7.652	32	DB	1	3	.444	1.341	2 3/8	1 1/32	4 1/4	20.4
D60B35	8.78	8.367	35	DB	1	3	.444	1.341	2 3/8	1 1/32	4 1/4	23.7
D60B36	9.02	8.605	36	DB	1	3 5/16	.444	1.341	2 3/8	1 1/32	5	25.9
D60B40	9.98	9.559	40	DB	1	3 1/2	.444	1.341	2 3/4	1 1/32	5 1/4	33.8

***Maximum bore shown is with standard keyway and setscrew over keyway. Slightly larger bores are possible with no keyway, shallow keyway or setscrew at angle to keyway.**
These type "B" and "C" sprockets are made without keyways or setscrews. They are furnished with a minimum bore which can be rebored to size and keywayed for a reasonable extra charge

Sprockets for No. 60, 3/4" Pitch ANSI Chain

Table No. 1 **Steel Double Type "B" and "C" Minimum Bore Sprockets**

Part No.	DIAMETERS Outside	DIAMETERS Pitch	No. Teeth	Type	BORE Stock	BORE Max.*	DIMENSIONS T	DIMENSIONS M	DIMENSIONS L Max.	DIMENSIONS P	DIMENSIONS H	Wt. Lbs.
D60B42	10.46	10.036	42	DB	1	3 1/2	.444	1.341	2 3/4	1 1/32	5 1/4	36.5
D60B45	11.18	10.752	45	DB	1 1/4	3 1/2	.444	1.341	2 3/4	1 1/32	5 1/4	40.5
D60B52	12.85	12.422	52	DB	1 1/4	3 1/2	.444	1.341	2 3/4	1 1/32	5 1/4	51.7
D60B60	14.76	14.331	60	DB	1 1/4	3 1/2	.444	1.341	2 3/4	1 1/32	5 1/4	66.6
D60C68	16.67	16.240	68	DC	1 1/4	3 1/2	.444	1.341	3	53/64	5 1/4	85.2
D60C72	17.63	17.194	72	DC	1 1/4	3 3/4	.444	1.341	3	53/64	5 1/2	95.5
D60C76	18.58	18.149	76	DC	1 1/4	3 3/4	.444	1.341	3	53/64	5 1/2	105
D60C95	23.12	22.683	95	DC	1 11/16	3 3/4	.444	1.341	3 1/2	1 5/64	5 3/4	164



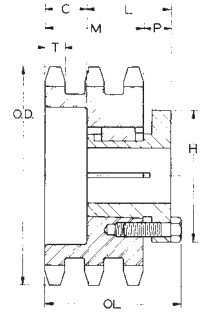
TYPE 22

***Maximum bore shown is with standard keyway and setscrew over keyway. Slightly larger bores are possible with no keyway, shallow keyway or setscrew at angle to keyway.**
These type "B" and "C" sprockets are made without keyways or setscrews. They are furnished with a minimum bore which can be rebored to size and keywayed for a reasonable extra charge.

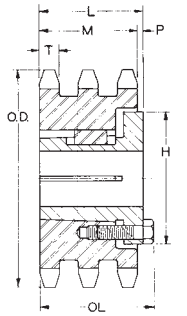
Table No. 2 **Steel Triple Sprockets with Browning Split Taper® Bushings**

HARDENED TEETH

Part No.	Bushing	Bore Range	DIAMETERS Outside	DIAMETERS Pitch	No. Teeth	Type	DIMENSIONS T	DIMENSIONS M	DIMENSIONS OL	DIMENSIONS L	DIMENSIONS P	DIMENSIONS C	DIMENSIONS H	Wt. Less Bushing
T60P13	P2	3/4 - 1 3/4"	3.49"	3.134"	13	22	.444"	2.238"	4 1/32"	2 15/16"	1 19/32"	7/8"	3"	3.3
T60P14	P2	3/4 - 1 3/4	3.74	3.371	14	22	.444	2.238	3 7/8	2 15/16	1 7/16	47/64	3	3.3
T60P15	P2	3/4 - 1 3/4	3.98	3.607	15	22	.444	2.238	3 47/64	2 15/16	1 19/64	19/32	3	4.0
T60P16	P1	1/2 - 1 3/4	4.22	3.844	16	24	.444	2.238	3 1/8	1 15/16	5/8	15/16	3	3.4
T60Q17	Q2	3/4 - 2 11/16	4.46	4.082	17	22	.444	2.238	4 3/8	3 1/2	1 29/32	5/8	4 1/8	4.6
T60Q18	Q2	3/4 - 2 11/16	4.70	4.319	18	22	.444	2.238	4 15/64	3 1/2	1 3/4	1/2	4 1/8	5.0
T60Q19	Q2	3/4 - 2 11/16	4.95	4.557	19	22	.444	2.238	3 63/64	3 1/2	1 1/2	1/4	4 1/8	5.9
T60Q20	Q2	3/4 - 2 11/16	5.19	4.794	20	22	.444	2.238	3 53/64	3 1/2	1 23/64	3/32	4 1/8	7.0
T60Q21	Q1	3/4 - 2 11/16	5.43	5.032	21	24	.444	2.238	3 1/4	2 1/2	3/4	15/32	4 1/8	5.7
T60Q22	Q1	3/4 - 2 11/16	5.67	5.270	22	24	.444	2.238	3 1/4	2 1/2	3/4	15/32	4 1/8	6.6
T60Q23	Q1	3/4 - 2 11/16	5.91	5.508	23	25	.444	2.238	2 25/32	2 1/2	1/4	0	4 1/8	7.7
T60Q24	Q1	3/4 - 2 11/16	6.15	5.746	24	25	.444	2.238	2 25/32	2 1/2	1/4	0	4 1/8	8.8
T60Q25	Q1	3/4 - 2 11/16	6.39	5.984	25	25	.444	2.238	2 25/32	2 1/2	1/4	0	4 1/8	10.0
T60Q26	Q1	3/4 - 2 11/16	6.63	6.222	26	25	.444	2.238	2 25/32	2 1/2	1/4	0	4 1/8	11.1
T60Q27	Q1	3/4 - 2 11/16	6.87	6.460	27	25	.444	2.238	2 25/32	2 1/2	1/4	0	4 1/8	12.4
T60Q28	Q1	3/4 - 2 11/16	7.11	6.699	28	25	.444	2.238	2 25/32	2 1/2	1/4	0	4 1/8	13.6
T60R30	R1	1 1/8 - 3 3/4	7.59	7.175	30	25	.444	2.238	3 5/32	2 7/8	5/8	0	5 3/8	14.0
T60R32	R1	1 1/8 - 3 3/4	8.07	7.652	32	25	.444	2.238	3 5/32	2 7/8	5/8	0	5 3/8	19.0
T60R35	R1	1 1/8 - 3 3/4	8.78	8.367	35	25	.444	2.238	3 5/32	2 7/8	5/8	0	5 3/8	22.0
T60R36	R1	1 1/8 - 3 3/4	9.02	8.605	36	25	.444	2.238	3 5/32	2 7/8	5/8	0	5 3/8	23.4
T60R40	R1	1 1/8 - 3 3/4	9.98	9.559	40	25	.444	2.238	3 5/32	2 7/8	5/8	0	5 3/8	31.3
T60R42	R1	1 1/8 - 3 3/4	10.46	10.036	42	25	.444	2.238	3 5/32	2 7/8	5/8	0	5 3/8	35.3
T60R52	R1	1 1/8 - 3 3/4	12.85	12.422	52	25	.444	2.238	3 5/32	2 7/8	5/8	0	5 3/8	63.2
T60S68	S1	1 11/16 - 4 1/4	16.67	16.240	68	22	.444	2.238	5 1/8	4 3/8	2 9/64	0	6 3/8	122



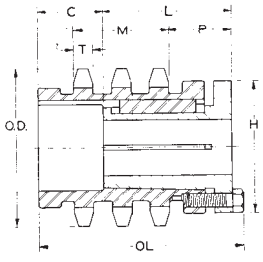
TYPE 24



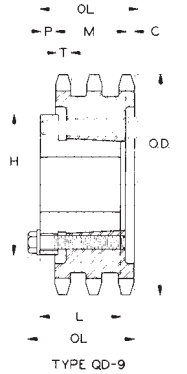
TYPE 25

Table No. 3 **Steel Triple Sprockets with Q-D® Bushings**

Part No.	Bushing	Bore Range	DIAMETERS Outside	DIAMETERS Pitch	No. Teeth	Type	DIMENSIONS T	DIMENSIONS M	DIMENSIONS OL	DIMENSIONS L	DIMENSIONS P	DIMENSIONS C	DIMENSIONS H	Wt. Less Bushing
T60E36	E	7/8 - 3 1/2"	9.02"	8.605"	QD-9	36	.444"	2.238"	3 1/4"	2 3/4"	37/64"	0	6"	23.9
T60E42	E	7/8 - 3 1/2	10.46	10.036	QD-9	42	.444	2.238	3 1/4	2 3/4	37/64	0	6	36.7
T60E52	E	7/8 - 3 1/2	12.85	12.422	QD-9	52	.444	2.238	3 1/4	2 3/4	37/64	0	6	62.6
T60E68	E	7/8 - 3 1/2	16.67	16.240	QD-9	68	.444	2.238	3 9/16	2 3/4	7/8	19/64"	6	116
T60E76	E	7/8 - 3 1/2	18.58	18.149	QD-9	76	.444	2.238	3 9/16	2 3/4	7/8	19/64	6	148
T60E95	E	7/8 - 3 1/2	23.12	22.683	QD-9	95	.444	2.238	3 9/16	2 3/4	7/8	19/64	6	238

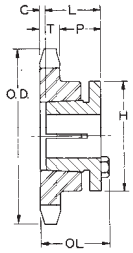


TYPE 27

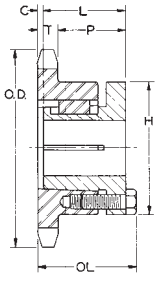


TYPE QD-9

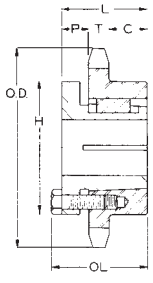
H



TYPE 3



TYPE 4



TYPE 5

Standard Keyseats

Table No. 2

Bore Range	Keyseat
3/8" — 7/16"	None
1/2 — 9/16	1/8" X 1/16"
5/8 — 7/8	3/16 X 3/32
15/16 — 1 1/4	1/4 X 1/8
1 5/16 — 1 3/8	5/16 X 5/32
1 7/16 — 1 3/4	3/8 X 3/16
1 13/16 — 2 1/4	1/2 x 1/4
2 5/16 — 2 3/4	5/8 x 5/16
2 13/16 — 3 1/4	3/4 x 3/8
3 3/8 — 3 3/4	7/8 x 7/16

1 3/8" Bore Bushings also available with 3/8" x 3/16" Keyseat.

Table No. 1

Steel Single Sprockets with Browning Split Taper® Bushings

HARDENED TEETH

Part No.	Bushing	Bore Range	DIAMETERS		No. Teeth	Type	DIMENSIONS						Wt. Less Bushing
			Outside	Pitch			T Nom.	OL	L	P	C	H	
H80H10	H	3/8 - 1 1/2"	3.68"	3.236"	10	3	.575"	2 3/32"	1 1/4"	1 21/64"	21/32"	2 1/2"	2.0
H80H11	H	3/8 - 1 1/2	3.98	3.550	11	3	.575	1 1/2	1 1/4	3/4	1/16	2 1/2	1.3
H80P11	P1	1/2 - 1 3/4	3.98	3.550	11	4	.575	2 11/32	1 15/16	1 17/32	5/32	3	1.8
H80P12	P1	1/2 - 1 3/4	4.33	3.864	12	4	.575	2 3/16	1 15/16	1 3/8	0	3	2.0
H80P13	P1	1/2 - 1 3/4	4.66	4.179	13	4	.575	2 3/16	1 15/16	1 3/8	0	3	2.3
H80P14	P1	1/2 - 1 3/4	4.98	4.494	14	4	.575	2 3/16	1 15/16	1 3/8	0	3	2.7
H80Q14	Q1	3/4 - 2 11/16	4.98	4.494	14	4	.575	2 25/32	2 1/2	1 15/16	0	4 1/8	3.0
H80P15	P1	1/2 - 1 3/4	5.31	4.810	15	4	.575	2 3/16	1 15/16	1 3/8	0	3	3.2
H80Q15	Q1	3/4 - 2 11/16	5.31	4.810	15	4	.575	2 25/32	2 1/2	1 15/16	0	4 1/8	3.6
H80P16	P1	1/2 - 1 3/4	5.63	5.126	16	4	.575	2 3/16	1 15/16	1 3/8	0	3	3.6
H80Q16	Q1	3/4 - 2 11/16	5.63	5.126	16	4	.575	2 25/32	2 1/2	1 15/16	0	4 1/8	4.6
H80P17	P1	1/2 - 1 3/4	5.95	5.442	17	4	.575	2 3/16	1 15/16	1 3/8	0	3	3.9
H80Q17	Q1	3/4 - 2 11/16	5.95	5.442	17	4	.575	2 25/32	2 1/2	1 15/16	0	4 1/8	5.4
H80P18	P1	1/2 - 1 3/4	6.27	5.759	18	4	.575	2 3/16	1 15/16	1 3/8	0	3	4.5
H80Q18	Q1	3/4 - 2 11/16	6.27	5.759	18	4	.575	2 25/32	2 1/2	1 15/16	0	4 1/8	6.0
H80P19	P1	1/2 - 1 3/4	6.59	6.079	19	4	.575	2 3/16	1 15/16	1 3/8	0	3	4.8
H80Q19	Q1	3/4 - 2 11/16	6.59	6.079	19	4	.575	2 25/32	2 1/2	1 15/16	0	4 1/8	6.4
H80Q20	Q1	3/4 - 2 11/16	6.91	6.392	20	4	.575	2 25/32	2 1/2	1 15/16	0	4 1/8	6.9
H80Q21	Q1	3/4 - 2 11/16	7.24	6.710	21	4	.575	2 25/32	2 1/2	1 15/16	0	4 1/8	7.4
H80Q22	Q1	3/4 - 2 11/16	7.56	7.027	22	4	.575	2 25/32	2 1/2	1 15/16	0	4 1/8	8.0
H80Q23	Q1	3/4 - 2 11/16	7.88	7.344	23	4	.575	2 25/32	2 1/2	1 15/16	0	4 1/8	8.5
H80Q24	Q1	3/4 - 2 11/16	8.20	7.661	24	4	.575	2 25/32	2 1/2	1 15/16	0	4 1/8	9.3
H80Q25	Q1	3/4 - 2 11/16	8.52	7.979	25	4	.575	2 25/32	2 1/2	1 15/16	0	4 1/8	9.9
H80Q26	Q1	3/4 - 2 11/16	8.84	8.296	26	4	.575	2 25/32	2 1/2	1 15/16	0	4 1/8	10.4
H80Q27	Q1	3/4 - 2 11/16	9.16	8.614	27	4	.575	2 25/32	2 1/2	1 15/16	0	4 1/8	10.9
H80Q28	Q1	3/4 - 2 11/16	9.48	8.931	28	4	.575	2 25/32	2 1/2	1 15/16	0	4 1/8	11.5
H80Q29	Q1	3/4 - 2 11/16	9.80	9.567	29	4	.575	2 25/32	2 1/2	1 15/16	0	4 1/8	12.5
H80Q30	Q1	3/4 - 2 11/16	10.11	9.567	30	4	.575	2 25/32	2 1/2	1 15/16	0	4 1/8	13.0
80Q31	Q1	3/4 - 2 11/16	10.43	9.885	31	4	.575	2 25/32	2 1/2	1 15/16	0	4 1/8	13.9
80Q32	Q1	3/4 - 2 11/16	10.75	10.202	32	4	.575	2 25/32	2 1/2	1 15/16	0	4 1/8	14.8
80Q33	Q1	3/4 - 2 11/16	11.07	10.520	33	4	.575	2 25/32	2 1/2	1 15/16	0	4 1/8	15.5
80Q34	Q1	3/4 - 2 11/16	11.39	10.838	34	4	.575	2 25/32	2 1/2	1 15/16	0	4 1/8	16.3
80Q35	Q1	3/4 - 2 11/16	11.71	11.156	35	4	.575	2 25/32	2 1/2	1 15/16	0	4 1/8	17.8
80Q36	Q1	3/4 - 2 11/16	11.98	11.474	36	4	.575	2 25/32	2 1/2	1 15/16	0	4 1/8	18.1
80R36	R1	1 1/8 - 3 3/4	11.98	11.474	36	4	.575	3 5/32	2 7/8	2 5/16	0	5 3/8	19.5
80Q37	Q1	3/4 - 2 11/16	12.35	11.792	37	4	.575	2 25/32	2 1/2	1 15/16	0	4 1/8	18.5
80Q38	Q1	3/4 - 2 11/16	12.67	12.110	38	4	.575	2 25/32	2 1/2	1 15/16	0	4 1/8	20.0
80R39	R1	1 1/8 - 3 3/4	12.99	12.428	39	4	.575	3 5/32	2 7/8	2 5/16	0	5 3/8	22.8
80Q40	Q1	3/4 - 2 11/16	13.31	12.746	40	4	.575	2 25/32	2 1/2	1 15/16	0	4 1/8	21.9
80R40	R1	1 1/8 - 3 3/4	13.31	12.746	40	4	.575	3 5/32	2 7/8	2 5/16	0	5 3/8	23.4
80R41	R1	1 1/8 - 3 3/4	13.63	13.064	41	4	.575	3 5/32	2 7/8	2 5/16	0	5 3/8	23.9
80Q42	Q1	3/4 - 2 11/16	13.94	13.382	42	4	.575	2 25/32	2 1/2	1 15/16	0	4 1/8	23.8
80R42	R1	1 1/8 - 3 3/4	13.94	13.382	42	4	.575	3 5/32	2 7/8	2 5/16	0	5 3/8	25.4
80R44	R1	1 1/8 - 3 3/4	14.58	14.018	44	4	.575	3 5/32	2 7/8	2 5/16	0	5 3/8	27.2
80Q45	Q1	3/4 - 2 11/16	14.90	14.336	45	4	.575	2 25/32	2 1/2	1 15/16	0	4 1/8	27.8
80R45	R1	1 1/8 - 3 3/4	14.90	14.336	45	4	.575	3 5/32	2 7/8	2 5/16	0	5 3/8	28.5
80R47	R1	1 1/8 - 3 3/4	15.54	14.972	47	4	.575	3 5/32	2 7/8	2 5/16	0	5 3/8	31.0
80Q48	Q1	3/4 - 2 11/16	15.86	15.290	48	4	.575	2 25/32	2 1/2	1 15/16	0	4 1/8	30.8
80R48	R1	1 1/8 - 3 3/4	15.86	15.290	48	4	.575	3 5/32	2 7/8	2 5/16	0	5 3/8	32.3
80R50	R1	1 1/8 - 3 3/4	16.50	15.926	50	4	.575	3 5/32	2 7/8	2 5/16	0	5 3/8	35.1
80Q54	Q1	3/4 - 2 11/16	17.77	17.198	54	4	.575	2 25/32	2 1/2	1 15/16	0	4 1/8	38.5
80R54	R1	1 1/8 - 3 3/4	17.77	17.198	54	4	.575	3 5/32	2 7/8	2 5/16	0	5 3/8	40.8
80R56	R1	1 1/8 - 3 3/4	18.41	17.835	56	4	.575	3 5/32	2 7/8	2 5/16	0	5 3/8	44.0
80Q60	Q1	3/4 - 2 11/16	19.68	19.107	60	4	.575	2 25/32	2 1/2	1 15/16	0	4 1/8	46.8
80R60	R1	1 1/8 - 3 3/4	19.68	19.107	60	4	.575	3 5/32	2 7/8	2 5/16	0	5 3/8	47.3
80Q70	Q1	3/4 - 2 11/16	22.83	22.289	70	4	.575	3 5/32	2 1/2	1 15/16	0	4 1/8	60.0
80R70	R1	1 1/8 - 3 3/4	22.83	22.289	70	4	.575	2 25/32	2 7/8	2 5/16	0	5 3/8	63.5
80Q72	Q1	3/4 - 2 11/16	23.46	22.926	72	4	.575	2 25/32	2 1/2	1 15/16	0	4 1/8	67.5
80R72	R1	1 1/8 - 3 3/4	43.46	22.926	72	5	.575	3 5/32	2 7/8	7/8	1 7/16	5 3/8	69.4
80R80	R1	1 1/8 - 3 3/4	26.01	25.471	80	5	.575	3 5/32	2 7/8	7/8	1 7/16	5 3/8	85.0
80R84	R1	1 1/8 - 3 3/4	27.33	26.744	84	5	.575	3 5/32	2 7/8	7/8	1 7/16	5 3/8	90.0
80R96	R1	1 1/8 - 3 3/4	31.15	30.563	96	5	.575	3 5/32	2 7/8	7/8	1 7/16	5 3/8	110
80S112	S1	1 11/16 - 4 1/4	36.24	35.655	112	5	.575	4 3/4	4 3/8	1 1/8	2 3/4	6 3/8	165

Were two sprockets with the same number of teeth but different bushings are offered, we suggest using the one with the larger bushing for heavier service, shock load and high torque drives.

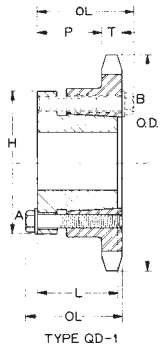
Sprockets for No. 80, 1" Pitch ANSI Chain

Table No. 1

Steel Single Sprockets with Q-D® Bushings

HARDENED TEETH

Part No.	Bushing	Bore Range	DIAMETERS Outside	DIAMETERS Pitch	Type	No. Teeth	DIMENSIONS T Nom.	OL	L	P	C	H	Wt. Less Bushing
H80SH11*	SH	1/2 - 1 5/8"	4.01"	3.550"	QD-1	11	.575"	1 23/32*	1 5/16"	59/64"	-	2 11/16"	1.33
H80SH12	SH	1/2 - 1 5/8	4.33	3.864	QD-1	12	.575	1 23/32	1 5/16	59/64	-	2 11/16	1.65
H80SDS13	SDS	1/2 - 2	4.66	4.179	QD-1	13	.575	1 21/32	1 5/16	55/64	-	3 1/8	1.78
H80SDS14	SDS	1/2 - 2	4.98	4.494	QD-1	14	.575	1 21/32	1 5/16	55/64	-	3 1/8	2.21
H80SK15*	SK	1/2 - 2 5/8	5.30	4.810	QD-1	15	.575	2 11/32	1 15/16	1 31/64	-	3 7/8	3.21
H80SK16	SK	1/2 - 2 5/8	5.63	5.126	QD-1	16	.575	2 11/32	1 15/16	1 31/64	-	3 7/8	3.55
H80SK17	SK	1/2 - 2 5/8	5.95	5.442	QD-1	17	.575	2 11/32	1 15/16	1 31/64	-	3 7/8	3.98
H80SK18	SK	1/2 - 2 5/8	6.27	5.759	QD-1	18	.575	2 11/32	1 15/16	1 31/64	-	3 7/8	4.47
H80SK19	SK	1/2 - 2 5/8	6.59	6.076	QD-1	19	.575	2 11/32	1 15/16	1 31/64	-	3 7/8	4.93
H80SF20	SF	1/2 - 2 15/16	6.91	6.392	QD-1	20	.575	2 15/32	2 1/16	1 35/64	-	4 5/8	5.7
H80SF21	SF	1/2 - 2 15/16	7.24	6.710	QD-1	21	.575	2 15/32	2 1/16	1 35/64	-	4 5/8	6.3
H80SF22	SF	1/2 - 2 15/16	7.56	7.027	QD-1	22	.575	2 15/32	2 1/16	1 35/64	-	4 5/8	6.8
H80SF23	SF	1/2 - 2 15/16	7.88	7.344	QD-1	23	.575	2 15/32	2 1/16	1 35/64	-	4 5/8	7.4
H80SF24	SF	1/2 - 2 15/16	8.20	7.661	QD-1	24	.575	2 15/32	2 1/16	1 35/64	-	4 5/8	7.9
H80SF25	SF	1/2 - 2 15/16	8.52	7.979	QD-1	25	.575	2 15/32	2 1/16	1 35/64	-	4 5/8	8.5
H80SF26	SF	1/2 - 2 15/16	8.84	8.296	QD-1	26	.575	2 15/32	2 1/16	1 35/64	-	4 5/8	9.2
H80SF27	SF	1/2 - 2 15/16	9.16	8.614	QD-1	27	.575	2 15/32	2 1/16	1 35/64	-	4 5/8	9.8
H80SF28	SF	1/2 - 2 15/16	9.48	8.931	QD-1	28	.575	2 15/32	2 1/16	1 35/64	-	4 5/8	10.5
H80SF30	SF	1/2 - 2 15/16	10.11	9.567	QD-1	30	.575	2 15/32	2 1/16	1 35/64	-	4 5/8	12.0
80SF32	SF	1/2 - 2 15/16	10.75	10.202	QD-1	32	.575	2 15/32	2 1/16	1 35/64	-	4 5/8	13.5
80SF33	SF	1/2 - 2 15/16	11.07	10.520	QD-1	33	.575	2 15/32	2 1/16	1 35/64	-	4 5/8	14.3
80SF34	SF	1/2 - 2 15/16	11.39	10.838	QD-1	34	.575	2 15/32	2 1/16	1 35/64	-	4 5/8	15.1
80SF35	SF	1/2 - 2 15/16	11.71	11.156	QD-1	35	.575	2 15/32	2 1/16	1 35/64	-	4 5/8	16.0
80SF36	SF	1/2 - 2 15/16	12.03	11.474	QD-1	36	.575	2 15/32	2 1/16	1 35/64	-	4 5/8	16.9
80SF40	SF	1/2 - 2 15/16	13.31	12.746	QD-1	40	.575	2 15/32	2 1/16	1 35/64	-	4 5/8	20.7
80SF42	SF	1/2 - 2 15/16	13.94	13.382	QD-1	42	.575	2 15/32	2 1/16	1 35/64	-	4 5/8	23.1
80SF45	SF	1/2 - 2 15/16	14.90	14.336	QD-1	45	.575	2 15/32	2 1/16	1 35/64	-	4 5/8	25.9
80SF48	SF	1/2 - 2 15/16	15.86	15.290	QD-1	48	.575	2 15/32	2 1/16	1 35/64	-	4 5/8	29.4
80SF54	SF	1/2 - 2 15/16	17.77	17.198	QD-1	54	.575	2 15/32	2 1/16	1 35/64	-	4 5/8	37.0
80SF60	SF	1/2 - 2 15/16	19.68	19.107	QD-1	60	.575	2 15/32	2 1/16	1 35/64	-	4 5/8	45.5
80E70	E	7/8 - 3 1/2	22.87	22.289	QD-2	70	.575	3 1/4	2 3/4	1 3/16	1 1/2	6	64.4
80E72	E	7/8 - 3 1/2	23.50	22.926	QD-2	72	.575	3 1/4	2 3/4	1 3/16	1 1/2	6	67.9
80E80	E	7/8 - 3 1/2	26.05	25.471	QD-2	80	.575	3 1/4	2 3/4	1 3/16	1 1/2	6	83.0
80E84	E	7/8 - 3 1/2	27.33	26.744	QD-2	84	.575	3 1/4	2 3/4	1 3/16	1 1/2	6	91.1
80E96	E	7/8 - 3 1/2	31.15	30.563	QD-2	96	.575	3 1/4	2 3/4	1 3/16	1 1/2	6	118
80F112	F	1 - 4	36.24	35.655	QD-2	112	.575	4 3/8	3 3/4	1 3/8	2 7/16	6 5/8	157



* Bushing mounts with capscrews on "A" side only.

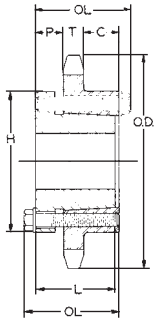
Table No. 2

Steel Finished Bore Single Sprockets

HARDENED TEETH

Part No.	DIAMETERS Outside	DIAMETERS Pitch	No. Teeth	Type	STOCK BORES MARKED "X" 1"	1 1/8"	1 3/16"	1 1/4"	1 3/8"	1 7/16"	1 1/2"	1 9/16"	1 5/8"	1 3/4"	1 7/8"	1 15/16"	2"	2 3/16"	2 7/16"	2 15/16"	DIMENSIONS T Norm	L Max.	P	Wt. Lbs.
H809	3.35"	2.924"	9	1	X	X	X	X	-	-	-	-	-	-	-	-	-	-	-	-	.575"	1 5/8"	47/64"	1.1
H8010	3.68	3.236	10	1	X	X	X	X	-	-	-	-	-	-	-	-	-	-	-	-	.575	1 5/8	47/64	1.5
H8011	4.01	3.550	11	1	X	X	X	X	X	X	X	X	X	-	-	-	-	-	-	-	.575	1 5/8	47/64	2.0
H8012	4.33	3.864	12	1	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	-	.575	1 5/8	47/64	2.5
H8013	4.66	4.179	13	1	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	.575	1 5/8	47/64	2.9
H8014	4.98	4.494	14	1	X	X	X	X	X	X	X	-	X	X	X	X	X	-	-	-	.575	1 5/8	47/64	3.9
H8015	5.31	7.810	15	1	X	X	X	X	X	X	X	-	X	X	X	X	X	-	-	-	.575	1 5/8	47/64	4.4
H8016	5.63	5.126	16	1	X	-	X	X	X	X	X	-	X	X	-	X	X	X	X	-	.575	1 1/2	47/64	6.1
H8017	5.96	5.442	17	1	X	-	X	X	X	X	X	-	X	X	-	X	X	X	X	-	.575	1 1/2	47/64	7.5
H8018	6.27	5.759	18	1	X	-	X	X	X	X	X	-	X	X	-	X	X	X	X	-	.575	1 5/8	47/64	7.3
H8019	6.59	6.076	19	1	X	-	X	X	X	X	X	-	X	X	-	X	X	X	X	-	.575	1 1/2	47/64	7.5
H8020	6.91	6.392	20	1	X	-	X	X	X	X	X	-	X	X	-	X	X	X	X	-	.575	1 5/8	47/64	8.7
H8021	7.24	6.710	21	1	X	-	X	X	X	X	X	-	X	X	-	X	X	X	X	-	.575	1 5/8	47/64	9.3
H8022	7.56	7.027	22	1	X	-	X	X	X	X	X	-	X	X	-	X	X	X	X	-	.575	1 5/8	13//64	10.3
H8023	7.88	7.344	23	1	X	-	X	X	X	X	X	-	X	X	-	X	X	X	X	-	.575	1 5/8	13/64	10.9
H8024	8.20	7.661	24	1	X	-	X	X	X	X	X	-	X	X	-	X	X	X	X	-	.575	1 5/8	47/64	10.4
H8025	8.52	7.979	25	1	X	-	X	X	X	X	X	-	X	X	-	X	X	X	X	-	.575	1 5/8	13/64	12.1
H8026	8.84	8.296	26	1	-	-	-	X	X	X	X	-	X	X	-	X	X	X	X	X	.575	1 15/16	1 23/64	11.1
H8027	9.16	8.614	27	1	-	-	-	X	X	X	X	-	X	X	-	X	X	X	X	X	.575	1 15/16	1 23/64	15.9
H8028	9.48	8.931	28	1	-	-	-	X	X	X	X	-	X	X	-	X	X	X	X	X	.575	1 15/16	1 23/64	16.6
H8029	9.80	9.249	29	1	-	-	-	X	X	X	X	-	X	X	-	X	X	X	X	X	.575	1 15/16	1 23/64	17.3
H8030	10.11	9.567	30	1	-	X	X	X	X	X	X	-	X	X	-	X	X	X	X	X	.575	1 15/16	1 23/64	14.0
8032	10.75	10.202	32	1	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	-	.575	1 15/16	1 23/64	15.5
8035	11.71	11.156	35	1	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	.575	1 15/16	1 23/64	18.0
8036	12.03	11.474	36	1	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	.575	1 15/16	1 23/64	18.6

All stock Finished Bore Sprockets are furnished with Standard Keyway on Centerline of Tooth Hollow Head Setscrew over Keyway. Sprockets with HARDENED TEETH have an additional Setscrew at 90° to Keyway.



TYPE QD-2

Standard Keyseats

Table No. 3

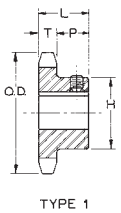
Bore Range	Keyseat
1/2" — 9/16"	1/8" X 1/16"
5/8 — 7/8	3/16 X 3/32
15/16 — 1 1/4	1/4 X 1/8
1 5/16 — 1 3/8	5/16 X 5/32
1 7/16 — 1 3/4	3/8 X 3/16
1 13/16 — 2 1/4	1/2 x 1/4
2 5/16 — 2 3/4	5/8 x 5/16
2 13/16 — 3 1/4	3/4 x 3/8
3 3/8 — 3 3/4	7/8 x 7/16
3 7/8 — 4 1/2	1 x 1/2

1 3/8" Bore Bushings also available with 3/8" x 3/16" Keyseat.

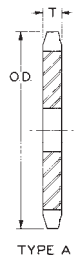
Table No. 1

Type "A" Steel Plate Sprockets

Part No.	Outside Dia.	Pitch Dia.	No. Teeth	Stock Bore	T (Nom.)	Wt. Lbs.	Part No.	Outside Dia.	Pitch Dia.	No. Teeth	Stock Bore	T (Nom.)	Wt. Lbs.
80A9	3.35"	2.924"	9	3/4"	.575"	1.0	**80A40**	13.31"	12.428"	40	1	.575"	20.0
80A10	3.68	3.236	10	3/4	.575	1.2	**80A41**	13.63	13.064	41	1	.575	20.7
80A11	4.01	3.550	11	3/4	.575	1.5	**80A42**	13.94	13.382	42	1	.575	21.3
80A12	4.33	3.864	12	3/4	.575	1.8	**80A46**	14.26	13.700	43	1	.575	23.0
80A13	4.66	4.179	13	3/4	.575	2.1	**80A44**	14.58	14.018	44	1	.575	23.9
80A14	4.98	4.494	14	3/4	.575	2.5	**80A45**	14.90	14.336	45	1	.575	25.7
80A15	5.30	4.810	15	3/4	.575	2.8	**80A46**	15.22	14.654	46	1	.575	26.3
80A16	5.63	5.126	16	3/4	.575	3.2	**80A47**	15.54	14.972	47	1	.575	27.5
80A17	5.95	5.442	17	3/4	.575	3.6	**80A48**	15.86	15.290	48	1	.575	28.8
80A18	6.27	5.759	18	3/4	.575	4.1	**80A49**	16.18	15.608	49	1	.575	31.3
80A19	6.59	6.076	19	3/4	.575	4.5	**80A50**	16.50	15.926	50	1	.575	32.4
80A20	6.91	6.392	20	3/4	.575	5.0	**80A51**	16.81	16.244	51	1	.575	33.9
80A21	7.24	6.710	21	3/4	.575	5.6	**80A52**	17.13	16.562	52	1	.575	36.1
80A22	7.56	7.027	22	3/4	.575	6.1	**80A53**	17.45	16.880	53	1	.575	34.9
80A23	7.88	7.344	23	3/4	.575	6.7	**80A54**	17.77	17.168	54	1	.575	35.6
80A24	8.20	7.661	24	3/4	.575	7.3	**80A55**	18.09	17.517	55	1	.575	38.1
80A25	8.52	7.979	25	3/4	.575	7.9	**80A56**	18.41	17.835	56	1	.575	39.9
80A26	8.84	8.296	26	1	.575	8.0	**80A57**	18.73	18.153	57	1	.575	40.6
80A27	9.16	8.614	27	1	.575	8.7	**80A58**	19.04	18.471	58	1	.575	41.8
80A28	9.48	8.931	28	1	.575	9.5	**80A59**	19.36	18.789	59	1	.575	43.0
80A29	9.80	9.249	29	1	.575	10.1	**80A60**	19.64	19.107	60	1	.575	43.6
80A30	10.11	9.567	30	1	.575	11.0	**80A65**	21.23	20.698	65	1	.575	53.4
80A31	10.43	9.885	31	1	.575	11.8	**80A70**	22.83	22.289	70	1	.575	62.0
80A32	10.75	10.202	32	1	.575	12.4	**80A72**	23.46	22.926	72	1	.575	63.0
80A33	11.07	10.520	33	1	.575	13.5	**80A76**	24.74	24.198	76	1 7/16	.575	71.4
80A34	11.39	10.838	34	1	.575	14.3	**80A80**	26.01	25.471	80	1 7/16	.575	77.0
80A35	11.71	11.156	35	1	.575	15.0	**80A84**	27.33	26.744	84	1 7/16	.575	86.0
80A36	11.98	11.474	36	1	.575	15.6	**80A90**	29.20	28.654	90	1 7/16	.575	97.0
80A37	12.35	11.792	37	1	.575	16.6	**80A96**	31.11	30.563	96	1 7/16	.575	119
80A38	12.67	12.110	38	1	.575	17.4	**80A112**	36.20	35.655	112	1 7/16	.575	153
80A39	12.99	12.428	39	1	.575	19.0							



TYPE 1



TYPE A

Table No. 2

Steel Single Type "B" Minimum Bore Sprockets

Part No.	DIAMETERS		No. Teeth	Type	BORE		DIMENSIONS				Wt. Lbs.
	Outside	Pitch			Stock	Max.*	T Nom.	L Max.	P	H	
80B8	3.01"	2.613"	8	B	3/4"	1 1/16"	.575"	1 5/8	47/64"	1 61/64†	1.5
80B9	3.35	2.924	9	B	3/4	1 5/16	.575	1 5/8	47/64	2 17/64†	2.0
80B10	3.68	3.236	10	B	3/4	1 1/2	.575	1 5/8	47/64	2 37/64†	2.6
80B11	4.01	3.550	11	B	3/4	1 5/8	.575	1 5/8	47/64	2 57/64†	3.2
80B12	4.33	3.864	12	B	3/4	1 7/8	.575	1 5/8	47/64	3 13/64†	4.0
80B13	4.66	4.179	13	B	3/4	2 1/8	.575	1 1/2	47/64	3 5/32	3.5
80B14	4.98	4.494	14	B	3/4	2 1/4	.575	1 1/2	47/64	3 3/8	4.3
80B15	5.31	4.810	15	B	3/4	2 1/2	.575	1 1/2	47/64	3 13/16	5.2
80B16	5.63	5.126	16	B	3/4	2 5/8	.575	1 1/2	47/64	3 7/8	5.6
80B17	5.95	5.442	17	B	3/4	2 5/8	.575	1 1/2	47/64	4 1/4	6.0
80B18	6.27	5.759	18	B	3/4	2 3/4	.575	1 1/2	47/64	4 1/4	7.0
80B19	6.59	6.076	19	B	3/4	2 3/4	.575	1 5/8	47/64	4 1/4	7.5
80B20	6.91	6.392	20	B	3/4	2 3/4	.575	1 5/8	47/64	4 1/4	8.0
80B21	7.24	6.710	21	B	3/4	2 3/4	.575	1 5/8	1 3/64	4 1/4	9.8
80B22	7.56	7.027	22	B	3/4	2 3/4	.575	1 5/8	1 3/64	4 1/4	10.3

***Maximum bore shown is with standard keyway and setscrew over keyway. Slightly larger bores are possible with no keyway, shallow keyway or setscrew at angle to keyway.**
†Hub is recessed for chain clearance
These Type "B" and "C" Sprockets are furnished with no keyway and no setscrew. They are made with minimum bore which can be rebored to size, keywayed and setscrewed for a reasonable extra charge.

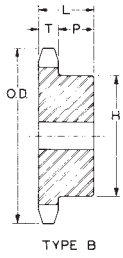
Sprockets for No. 80, 1" Pitch ANSI Chain

Table No. 1

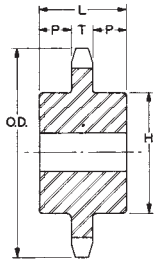
Steel Single Type "B" Minimum Bore Sprockets

Part No.	DIAMETERS		No. Teeth	Type	BORE		DIMENSIONS				Wt. Lbs.
	Outside	Pitch			Stock	Max.*	T Nom.	L Max.	P	H	
80B23	7.88	7.344	23	B	3/4	2 3/4	.575	1 5/8	1 3/64	4 1/4	10.9
80B24	8.20	7.661	24	B	3/4	2 3/4	.575	1 5/8	1 3/64	4 1/4	11.5
80B25	8.52	7.979	25	B	3/4	2 3/4	.575	1 5/8	1 3/64	4 1/4	12.1
80B26	8.84	8.296	26	B	1	3 1/4	.575	1 15/16	1 23/64	4 3/4	15.2
80B27	9.16	8.614	27	B	1	3 1/4	.575	1 15/16	1 23/64	4 3/4	15.9
80B28	9.48	8.931	28	B	1	3 1/4	.575	1 15/16	1 23/64	4 3/4	16.6
80B29	9.80	9.249	29	B	1	3 1/4	.575	1 15/16	1 23/64	4 3/4	17.3
80B30	10.11	9.567	30	B	1	3 1/4	.575	1 15/16	1 23/64	4 3/4	18.1
80B31	10.43	9.885	31	B	1	3 1/4	.575	1 15/16	1 23/64	4 3/4	18.9
80B32	10.75	10.202	32	B	1	3 1/4	.575	1 15/16	1 23/64	4 3/4	19.7
80B33	11.07	10.520	33	B	1	3 1/4	.575	1 15/16	1 23/64	4 3/4	20.5
80B34	11.39	10.838	34	B	1	3 1/4	.575	1 15/16	1 23/64	4 3/4	21.4
80B35	11.71	11.156	35	B	1	3 1/4	.575	1 15/16	1 23/64	4 3/4	22.3
80B36	11.98	11.474	36	B	1	3 1/4	.575	1 15/16	1 23/64	4 3/4	23.2
80B37	12.35	11.792	37	B	1	3 1/4	.575	1 15/16	1 23/64	4 3/4	24.2
80B38	12.67	12.110	38	B	1	3 1/4	.575	1 15/16	1 23/64	4 3/4	25.1
80B39	12.99	12.428	39	B	1	3 1/4	.575	1 15/16	1 23/64	4 3/4	26.1
80B40	13.31	12.746	40	B	1	3 1/4	.575	1 15/16	1 23/64	4 3/4	27.2
80B41	13.63	13.064	41	B	1	3 1/4	.575	1 15/16	1 23/64	4 3/4	28.2
80B42	13.94	13.382	42	B	1	3 1/4	.575	1 15/16	1 23/64	4 3/4	29.3
80B44	14.58	14.018	44	B	1	3 1/4	.575	1 15/16	1 23/64	4 3/4	31.5
80B45	14.90	14.336	45	B	1	3 1/4	.575	1 15/16	1 23/64	4 3/4	32.7
80B46	15.22	14.654	46	B	1	3 1/2	.575	1 15/16	1 23/64	5 1/4	35.4
80B47	15.54	14.972	47	B	1	3 1/2	.575	1 15/16	1 23/64	5 1/4	36.6
80B48	15.86	15.290	48	B	1	3 1/2	.575	1 15/16	1 23/64	5 1/4	37.8
80B49	16.18	15.608	49	B	1	3 1/2	.575	1 15/16	1 23/64	5 1/4	39.1
80B50	16.50	15.926	50	B	1	3 1/2	.575	1 15/16	1 23/64	5 1/4	40.3
80B53	17.45	16.880	53	B	1	3 1/2	.575	1 15/16	1 23/64	5 1/4	44.4
80B54	17.77	17.198	54	B	1	3 1/2	.575	1 15/16	1 23/64	5 1/4	45.7
80B55	18.09	17.517	55	B	1	3 1/2	.575	1 15/16	1 23/64	5 1/4	47.2
80B56	18.41	17.835	56	B	1	3 1/2	.575	1 15/16	1 23/64	5 1/4	48.7
80B57	18.73	18.153	57	B	1	3 1/2	.575	1 15/16	1 23/64	5 1/4	50.2
80B60	19.68	19.107	60	B	1	3 1/2	.575	1 15/16	1 23/64	5 1/4	54.6
80B65	21.27	20.698	65	B	1	3 1/2	.575	1 15/16	1 23/64	5 1/4	62.7
80B70	22.83	22.289	70	B	1	3 1/2	.575	1 15/16	1 23/64	5 1/4	75.6
80C70	22.83	22.289	70	C	1	4 3/8	.575	2 5/8	1 1/32	6 3/8	81.4
80C72	23.46	22.926	72	C	1	4 3/8	.575	2 5/8	1 1/32	6 3/8	85.1
80C76	24.74	24.198	76	C	1 7/16	4 3/8	.575	2 5/8	1 1/32	6 3/8	92.1
80C80	26.05	25.471	80	C	1 7/16	4 3/8	.575	2 5/8	1 1/32	6 3/8	100
80C90	29.20	28.654	90	C	1 7/16	4 3/8	.575	2 5/8	1 1/32	6 3/8	122
80C96	31.15	30.563	96	C	1 7/16	4 3/8	.575	2 5/8	1 1/32	6 3/8	137
80C112	36.20	35.655	112	C	1 7/16	4 3/8	.575	2 5/8	1 1/32	6 3/8	180

***Maximum bore shown is with standard keyway and setscrew over keyway. Slightly larger bores are possible with no keyway, shallow keyway or setscrew at angle to keyway.**
†Hub is recessed for chain clearance
These Type "B" and "C" Sprockets are furnished with no keyway and no setscrew. They are made with minimum bore which can be rebored to size, keywayed and setscrewed for a reasonable extra charge.



TYPE B



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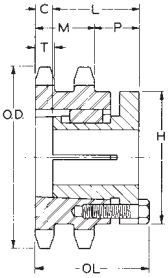
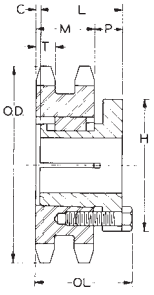


TYPE 12



TYPE 13

Steel Double Sprockets with Browning Split Taper® Bushings
HARDENED TEETH

Table No. 2

Part No.	Bushing	Bore Range	DIAMETERS		No. Teeth	Type	DIMENSIONS							Wt. Less Bushing
			Outside	Pitch			T	M	OL	L	P	C	H	
D80P13	P1	1/2 - 1 3/4"	4.66"	4.179"	13	13	.557"	1.710"	2 19/32"	1 15/16"	5/8"	13/32"	3"	3.6
D80Q14	Q2	1 - 2 5/8	4.98	4.494	14	12	.557	1.710	3 51/64	3 1/2	1 55/64	1/16	4 1/8	5.4
D80Q15	Q2	1 -2 5/8	5.31	4.810	15	12	.557	1.710	3 51/64	3 1/2	1 55/64	1/16	4 1/8	5.4
D80Q16	Q1	3/4 - 2 11/16	5.63	5.126	16	13	.557	1.710	2 25/32	2 1/2	27/32	1/32	4 1/8	4.8
D80Q17	Q1	3/4 - 2 11/16	5.95	5.442	17	13	.557	1.710	2 25/32	2 1/2	27/32	1/32	4 1/8	6.0
D80Q18	Q1	3/4 - 2 11/16	6.27	5.759	18	13	.557	1.710	2 25/32	2 1/2	27/32	1/32	4 1/8	7.3
D80Q19	Q1	3/4 - 2 11/16	6.59	6.076	19	13	.557	1.710	2 25/32	2 1/2	27/32	1/32	4 1/8	8.5
D80R20	R1	1 1/8 - 3 3/4	6.91	6.392	20	12	.557	1.710	3 5/32	2 7/8	1 5/32	-	5 3/8	7.8
D80R21	R1	1 1/8 - 3 3/4	7.24	6.710	21	12	.557	1.710	3 5/32	2 7/8	1 5/32	-	5 3/8	9.4
D80R22	R1	1 1/8 - 3 3/4	7.56	7.027	22	12	.557	1.710	3 5/32	2 7/8	1 5/32	-	5 3/8	10.8
D80R23	R1	1 1/8 - 3 3/4	7.88	7.344	23	12	.557	1.710	3 5/32	2 7/8	1 5/32	-	5 3/8	12.3
D80R24	R1	1 1/8 - 3 3/4	8.20	7.661	24	12	.557	1.710	3 5/32	2 7/8	1 5/32	-	5 3/8	14.1
D80R25	R1	1 1/8 - 3 3/4	8.52	7.979	25	12	.557	1.710	3 5/32	2 7/8	1 5/32	-	5 3/8	15.8

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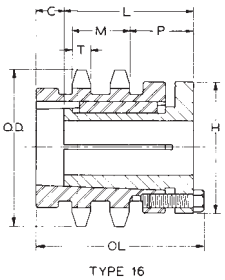
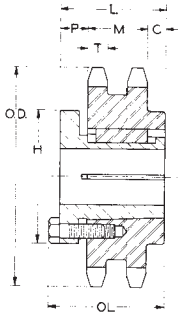


TYPE 16



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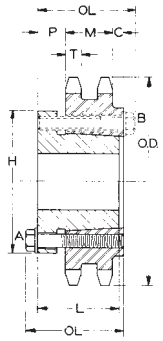

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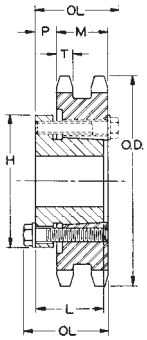

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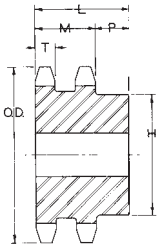
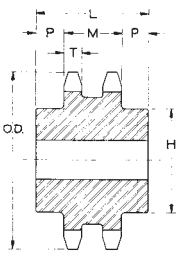


TYPE DB



TYPE DC

Table No. 1 Steel Double Sprockets with Browning Split Taper® Bushings

Part No.	Bushing	Bore Range	DIAMETERS Outside	DIAMETERS Pitch	No. Teeth	Type	DIMENSIONS T	M	OL	L	P	C	H	Wt. Less Bushing
SMALLER SIZES ON PRECEDING PAGE														
D80R26	R1	1 1/8 - 3 3/4	8.84"	8.296"	26	12	.557"	1.710"	3 5/32"	2 7/8"	1 5/32"	-	5 3/8"	18.1
D80R27	R1	1 1/8 - 3 3/4	9.16	8.614	27	12	.557	1.710	3 5/32	2 7/8"	1 5/32	-	5 3/8	20.4
D80R28	R1	1 1/8 - 3 3/4	9.48	8.931	28	12	.557	1.710	3 5/32	2 7/8"	1 5/32	-	5 3/8	22.7
D80R30	R1	1 1/8 - 3 3/4	10.11	9.567	30	12	.557	1.710	3 5/32	2 7/8"	1 5/32	-	5 3/8	26.8
D80R36	R1	1 1/8 - 3 3/4	12.03	11.474	36	12	.557	1.710	3 5/32	2 7/8"	1 5/32	-	5 3/8	41.6
D80R42	R1	1 1/8 - 3 3/4	13.94	13.382	42	12	.557	1.710	3 5/32	2 7/8"	1 5/32	-	5 3/8	58.0
D80R45	R1	1 1/8 - 3 3/4	14.90	14.336	45	12	.557	1.710	3 5/32	2 7/8"	1 5/32	-	5 3/8	68.0
D80R48	R2	1 3/8 - 3 5/8	15.86	15.290	48	15	.557	1.710	5 5/32	4 7/8	7/8	2 9/32	5 3/8	86.0
D80R52	R2	1 3/8 - 3 5/8	17.13	16.562	52	15	.557	1.710	5 5/32	4 7/8	7/8	2 9/32	5 3/8	103
D80R54	R2	1 3/8 - 3 5/8	17.77	17.198	54	15	.557	1.710	5 5/32	4 7/8	7/8	2 9/32	5 3/8	111
D80R60	R2	1 3/8 - 3 5/8	19.64	19.107	60	15	.557	1.710	5 5/32	4 7/8	7/8	2 9/32	5 3/8	135
D80R68	R2	1 3/8 - 3 5/8	22.23	21.653	68	15	.557	1.710	5 5/32	4 7/8	7/8	2 9/32	5 3/8	176
D80R72	R2	1 3/8 - 3 5/8	23.46	22.926	72	15	.557	1.710	5 5/32	4 7/8	7/8	2 9/32	5 3/8	198
D80U76	U0	2 3/8 - 5 1/2	24.74	24.198	76	15	.557	1.710	5 23/32	5 1/4	1 1/2	2 1/32	8 3/8	219
D80U95	U0	2 3/8 - 5 1/2	30.83	30.245	95	15	.557	1.710	5 23/32	5 1/4	1 1/2	2 1/32	8 3/8	342

Table No. 2 Steel Double Sprockets with Q-D® Bushings

Part No.	Bushing	Bore Range	DIAMETERS Outside	DIAMETERS Pitch	Type	No. Teeth	DIMENSIONS T	M	OL Max.	L	P	C	H	Wt. Less Bushing
D80E36	E	7/8 - 3 1/2"	12.03"	11.474"	QD-6	36	.557"	1.710"	3 1/4"	2 3/4"	1 7/64"	-	6"	41.1
D80E42	E	7/8 - 3 1/2	13.94	13.382	QD-6	42	.557	1.710	3 1/4	2 3/4	1 7/64	-	6	58.5
D80E45	E	7/8 - 3 1/2	14.90	14.336	QD-6	45	.557	1.710	3 1/4	2 3/4	1 7/64	-	6	68.3
D80E52	E	7/8 - 3 1/2	17.13	16.562	QD-6	52	.557	1.710	3 1/4	2 3/4	1 7/64	-	6	93.9
D80E60	E	7/8 - 3 1/2	19.68	19.107	QD-6	60	.557	1.710	3 1/4	2 3/4	1 7/64	-	6	128
D80E68	E	7/8 - 3 1/2	22.23	21.653	QD-6	68	.557	1.710	3 1/4	2 3/4	1 7/64	-	6	166
D80E76	E	7/8 - 3 1/2	24.78	24.198	QD-6	76	.557	1.710	3 1/4	2 3/4	1 7/64	-	6	210

Table No. 3 Steel Double Type "B" and "C" Minimum Bore Sprockets

Part No.	DIAMETERS Outside	DIAMETERS Pitch	No. Teeth	Type	BORE Stock	BORE Max. *	DIMENSIONS T	M	L Max	P	H	Wt. Lbs.
D80B10	3.68"	3.236"	10	DB	3/4"	1 1/2"	.557"	1.710"	2 3/4"	1 3/64"	2 9/16"†	4.3
D80B11	4.01	3.550	11	DB	3/4	1 5/8	.557	1.710	2 1/2	51/64	2 1/2	5.2
D80B12	4.33	3.864	12	DB	3/4	1 7/8	.557	1.710	2 1/2	51/64	2 27/32	5.8
D80B13	4.66	4.179	13	DB	1	2 1/4	.557	1.710	2 1/2	51/64	3 5/32	6.7
D80B14	4.98	4.494	14	DB	1	2 3/8	.557	1.710	2 1/2	51/64	3 15/32	8.1
D80B15	5.31	4.810	15	DB	1	2 1/2	.557	1.710	2 1/2	51/64	3 51/64	9.5
D80B16	5.63	5.126	16	DB	1	2 3/4	.557	1.710	2 3/4	1 3/64	4	11.7
D80B17	5.95	5.442	17	DB	1	3	.557	1.710	2 3/4	1 3/64	4 27/64	13.7
D80B18	6.27	5.759	18	DB	1	3 1/4	.557	1.710	2 3/4	1 3/64	4 47/64	15.6
D80B19	6.59	6.076	19	DB	1	3 5/16	.557	1.710	2 3/4	1 3/64	5	17.6
D80B20	6.91	6.392	20	DB	1	3 5/16	.557	1.710	2 3/4	1 3/64	5	18.9
D80B21	7.24	6.710	21	DB	1	3 5/16	.557	1.710	2 3/4	1 3/64	5	20.5
D80B22	7.56	7.027	22	DB	1	3 5/16	.557	1.710	2 3/4	1 3/64	5	22.1
D80B23	7.88	7.344	23	DB	1	3 5/16	.557	1.710	2 3/4	1 3/64	5	23.7
D80B24	8.20	7.661	24	DB	1	3 1/2	.557	1.710	2 3/4	1 3/64	5 1/4	26.0
D80B25	8.52	7.979	25	DB	1	3 1/2	.557	1.710	3	1 19/64	5 1/4	29.3
D80B26	8.84	8.296	26	DB	1	3 1/2	.557	1.710	3	1 19/64	5 1/4	31.2
D80B30	10.11	9.567	30	DB	1	3 3/4	.557	1.710	3	1 19/64	5 3/4	41.0
D80B32	10.75	10.202	32	DB	1	3 3/4	.557	1.710	3	1 19/64	5 3/4	45.6
D80B35	11.71	12.156	35	DB	1	3 3/4	.557	1.710	3	1 19/64	5 3/4	58.9
D80B36	12.03	11.474	36	DB	1	3 3/4	.557	1.710	3 1/8	1 27/64	5 3/4	56.6
D80B40	13.31	12.746	40	DB	1	3 3/4	.557	1.710	3 1/8	1 27/64	5 3/4	68.0
D80B42	13.94	13.382	42	DB	1 1/4	4	.557	1.710	3 1/8	1 27/64	6	74.7
D80B45	14.90	14.336	45	DB	1 1/4	4	.557	1.710	3 1/8	1 27/64	6	84.5
D80C52	17.13	16.562	52	DC	1 7/16	4	.557	1.710	3 3/4	1 1/64	6	114
D80C60	19.68	19.107	60	DC	1 1/2	4	.557	1.710	3 3/4	1 1/64	6	148
D80C68	22.23	21.653	68	DC	1 1/2	4 1/4	.557	1.710	4	1 9/64	6 1/4	190
D80C76	24.78	24.198	76	DC	1 1/2	4 1/4	.557	1.710	4	1 9/64	6 1/4	210
D80C95	30.83	30.245	95	DC	1 1/2	4 1/2	.557	1.710	4 1/4	1 17/64	6 1/2	311

HARDENED TEETH

***Maximum bore shown is with standard keyway and setscrew over keyway. Slightly larger bores are possible with no keyway, shallow keyway or setscrew at angle to keyway.**

†Hub is recessed for chain clearance

These Type "B" and "C" Sprockets are furnished with no keyway and no setscrew. They are made with minimum bore which can be rebored to size, keywayed and setscrewed for a reasonable extra charge.

Table No. 4 Standard Keyseats

Bore Range	Keyseat	Bore Range	Keyseat
1/2" — 9/16"	1/8" X 1/16"	2 5/16" — 2 3/4"	5/8" x 5/16"
5/8 — 7/8	3/16 X 3/32	2 13/16 — 3 1/4	3/4 x 3/8
15/16 — 1 1/4	1/4 X 1/8	3 3/8 — 3 3/4	7/8 x 7/16
1 5/16 — 1 3/8	5/16 X 5/32	3 7/8 — 4 1/2	1 x 1/2
1 7/16 — 1 3/4	3/8 X 3/16	4 5/8 — 5 1/2	1 1/4 x 5/8
1 13/16 — 2 1/4	1/2 x 1/4		

1 3/8" Bore Bushings also available with 3/8" x 3/16" Keyseat.

Sprockets for No. 80, 1" Pitch ANSI Chain

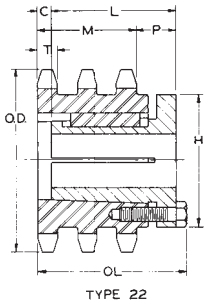
Table No. 1 **Steel Triple Sprockets with Browning Split Taper® Bushings**

Part No.	Bushing	Bore Range	DIAMETERS		Type	No. Teeth	DIMENSIONS							Wt. (lbs.) Less Bushing
			Outside	Pitch			T	M	OL	L	P	C	H	
T80P13	P1	3/4 - 1 3/4"	4.66	4.179	24	13	.557	2.863	3 11/16	1 15/16	5/8	1 35/64	3	5.7
T80Q14	Q2	1 - 2 5/8	4.98	4.494	22	14	.557	2.863	4 61/64	3 1/2	1 7/8	1 7/32	4 1/8	7.5
T80Q15	Q2	1 - 2 5/8	5.31	4.810	22	15	.557	2.863	4 61/64	3 1/2	1 7/8	1 7/32	4 1/8	8.1
T80Q16	Q2	1 - 2 5/8	5.63	5.126	24	16	.557	2.863	2 25/32	3 1/2	27/32	3/16	4 1/8	9.3
T80Q17	Q2	1 - 2 5/8	5.95	5.442	24	17	.557	2.863	2 25/32	3 1/2	27/32	3/16	4 1/8	9.8
T80Q18	Q2	1 - 2 5/8	6.27	5.759	24	18	.557	2.863	2 25/32	3 1/2	27/32	3/16	4 1/8	12.0
T80Q19	Q2	1 - 2 5/8	6.59	6.076	24	19	.557	2.863	2 25/32	3 1/2	27/32	3/16	4 1/8	13.9
T80R20	R1	1 1/8 - 3 3/4	6.91	6.392	24	20	.557	2.863	4 1/32	2 7/8	7/8	7/8	5 3/8	10.2
T80R21	R1	1 1/8 - 3 3/4	7.24	6.710	24	21	.557	2.863	4 1/32	2 7/8	7/8	7/8	5 3/8	12.4
T80R22	R1	1 1/8 - 3 3/4	7.56	7.027	24	22	.557	2.863	4 1/32	2 7/8	7/8	7/8	5 3/8	14.6
T80R23	R1	1 1/8 - 3 3/4	7.88	7.344	25	23	.557	2.863	3 5/32	2 7/8	0	0	5 3/8	15.9
T80R24	R1	1 1/8 - 3 3/4	8.20	7.661	25	24	.557	2.863	3 5/32	2 7/8	0	0	5 3/8	18.5
T80R25	R1	1 1/8 - 3 3/4	8.52	7.979	25	25	.557	2.863	3 5/32	2 7/8	0	0	5 3/8	20.3
T80R26	R1	1 1/8 - 3 3/4	8.84	8.296	25	26	.557	2.863	3 5/32	2 7/8	0	0	5 3/8	23.4
T80R27	R1	1 1/8 - 3 3/4	9.16	8.614	25	27	.557	2.863	3 5/32	2 7/8	0	0	5 3/8	25.8
T80R28	R1	1 1/8 - 3 3/4	9.48	8.931	25	28	.557	2.863	3 5/32	2 7/8	0	0	5 3/8	28.1
T80R30	R1	1 1/8 - 3 3/4	10.11	9.567	25	30	.557	2.863	3 5/32	2 7/8	0	0	5 3/8	33.3
T80S36	S1	1 11/16 - 4 1/4	12.03	11.474	22	36	.557	2.863	5 1/8	4 3/8	1 1/2	0	6 3/8	67.0
T80S42	S1	1 11/16 - 4 1/4	13.94	13.382	22	42	.557	2.863	5 1/8	4 3/8	1 1/2	0	6 3/8	96.1
T80S45	S1	1 11/16 - 4 1/4	14.9	14.336	22	45	.557	2.863	5 1/8	4 3/8	1 1/2	0	6 3/8	112
T80U52	U0	2 3/8 - 5 1/2	17.13	16.562	25	52	.557	2.863	5 23/32	5 1/4	1 25/32	0	8 3/8	150
T80U60	U0	2 3/8 - 5 1/2	19.68	19.107	25	60	.557	2.863	5 23/32	5 1/4	1 25/32	0	8 3/8	207
T80U68	U0	2 3/8 - 5 1/2	22.23	21.653	25	68	.557	2.863	5 23/32	5 1/4	1 25/32	0	8 3/8	271
T80U76	U0	2 3/8 - 5 1/2	24.78	24.198	25	76	.557	2.863	5 23/32	5 1/4	1 25/32	0	8 3/8	344
T80U95	U0	2 3/8 - 5 1/2	30.83	30.245	25	95	.557	2.863	5 55/64	5 1/4	1 13/32	1/32	8 3/8	183

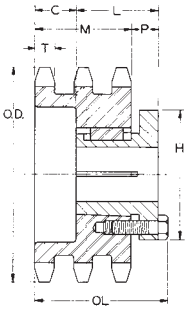
Table No. 2 **Steel Triple Sprockets with Q-D® Bushings**

Part No.	Bushing	Bore Range	DIAMETERS		Type	No. Teeth	DIMENSIONS							Wt. Less Bushing
			Outside	Pitch			T	M	OL Max	L	P	C	H	
T80E36	E	7/8 - 3 1/2"	12.03"	11.474"	QD-9	36	.557"	2.863"	3 7/8"	2 3/4"	9/16"	39/64"*	6"	61.7
T80E42	E	7/8 - 3 1/2	13.94	13.382	QD-9	42	.557	2.863	3 7/8	2 3/4	9/16	39/64*	6	90.8
T80E45	E	7/8 - 3 1/2	14.90	14.336	QD-9	45	.557	2.863	3 7/8	2 3/4	9/16	39/64*	6	107
T80E52	E	7/8 - 3 1/2	17.13	16.562	QD-9	52	.557	2.863	3 7/8	2 3/4	9/16	39/64*	6	150
T80F60	F	1 - 4	19.68	19.107	QD-9	60	.557	2.863	3 7/8	3 3/4	1 3/16	11/64	6 5/8	207
T80F68	F	1 - 4	22.23	21.653	QD-9	68	.557	2.863	3 7/8	3 3/4	1 3/16	11/64	6 5/8	272
T80F76	F	1 - 4	24.78	24.198	QD-9	76	.557	2.863	3 7/8	3 3/4	1 3/16	11/64	6 5/8	345
T80F95	F	1 - 4	30.83	30.245	QD-9	95	.557	2.863	3 7/8	3 3/4	1 3/16	11/64	6 5/8	551

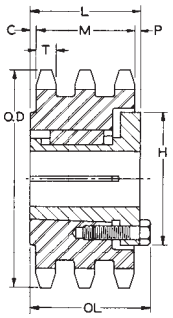
***Capscrew Head is under Sprocket Rim.**



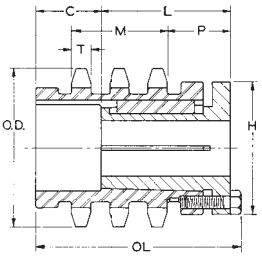
TYPE 22



TYPE 24



TYPE 25



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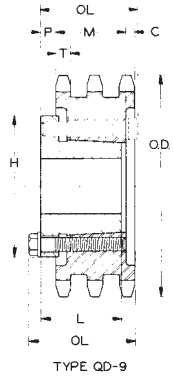

TYPE QD-9

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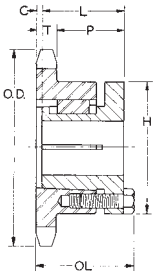
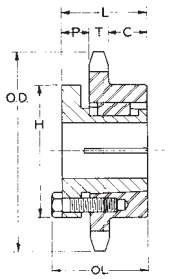


TYPE 4



TYPE 5

HARDENED TEETH

Table No. 1 **Steel Single Sprockets with Browning Split Taper® Bushings**

Part No.	Bushing	Bore Range	DIAMETERS		No. Teeth	Type	DIMENSIONS						Wt. Less Bushing
			Outside	Pitch			T Nom.	OL	L	P	C	H	
H100P11	P1	1/2 - 1 3/4	5.01"	4.437"	11	4	.692"	2 3/16"	1 15/16"	1 1/4"	0	3"	3.0
H100Q12	Q1	3/4 - 2 11/16	5.42	4.830	12	4	.692	2 29/32	2 1/2	1 63/64	11/64	4 1/8	3.5
H100Q13	Q1	3/4 - 2 11/16	5.82	5.223	13	4	.692	2 53/64	2 1/2	1 29/32	3/32	4 1/8	4.3
H100Q14	Q1	3/4 - 2 11/16	6.23	5.617	14	4	.692	2 53/64	2 1/2	1 29/32	3/32	4 1/8	5.6
H100Q15	Q1	3/4 - 2 11/16	6.63	6.012	15	4	.692	2 53/64	2 1/2	1 29/32	3/32	4 1/8	6.5
H100Q16	Q1	3/4 - 2 11/16	7.03	6.407	16	4	.692	2 53/64	2 1/2	1 29/32	3/32	4 1/8	7.4
H100Q17	Q1	3/4 - 2 11/16	7.44	6.803	17	4	.692	2 53/64	2 1/2	1 29/32	3/32	4 1/8	8.2
H100Q18	Q1	3/4 - 2 11/16	7.84	7.198	18	4	.692	2 53/64	2 1/2	1 29/32	3/32	4 1/8	9.0
H100Q19	Q1	3/4 - 2 11/16	8.24	7.595	19	4	.692	2 53/64	2 1/2	1 29/32	3/32	4 1/8	9.9
H100Q20	Q1	3/4 - 2 11/16	8.64	7.991	20	4	.692	2 53/64	2 1/2	1 29/32	3/32	4 1/8	10.8
H100Q21	Q1	3/4 - 2 11/16	9.04	8.387	21	4	.692	2 53/64	2 1/2	1 29/32	3/32	4 1/8	11.7
H100R21	R1	1 1/8 - 3 3/4	9.04	8.387	21	4	.692	3 5/32	2 7/8	2 3/16	0	4 1/8	13.3
H100Q22	Q1	3/4 - 2 11/16	9.44	8.783	22	4	.692	2 53/64	2 1/2	1 29/32	3/32	4 1/8	12.5
H100Q23	Q1	3/4 - 2 11/16	9.84	9.180	23	4	.692	2 53/64	2 1/2	1 29/32	3/32	4 1/8	13.9
H100Q24	Q1	3/4 - 2 11/16	10.25	9.577	24	4	.692	2 53/64	2 1/2	1 29/32	3/32	4 1/8	15.5
H100R24	R1	1 1/8 - 3 3/4	10.25	9.577	24	4	.692	3 5/32	2 7/8	2 3/16	0	5 3/8	16.1
H100Q25	Q1	3/4 - 2 11/16	10.65	9.973	25	4	.692	2 53/64	2 1/2	1 29/32	3/32	4 1/8	16.2
H100R25	R1	1 1/8 - 3 3/4	10.65	9.973	25	4	.692	3 5/32	2 7/8	2 3/16	0	4 1/8	17.0
H100Q26	Q1	3/4 - 2 11/16	11.05	10.370	26	4	.692	2 53/64	2 1/2	1 29/32	3/32	4 1/8	17.9
H100R26	R1	1 1/8 - 3 3/4	11.05	10.370	26	4	.692	3 5/32	2 7/8	2 3/16	0	5 3/8	18.5
H100Q27	Q1	3/4 - 2 11/16	11.45	10.767	27	4	.692	2 53/64	2 1/2	1 29/32	3/32	4 1/8	18.2
H100R27	R1	1 1/8 - 3 3/4	11.45	10.767	27	4	.692	3 5/32	2 7/8	2 3/16	0	5 3/8	19.6
H100Q28	Q1	3/4 - 2 11/16	11.84	11.164	28	4	.692	2 53/64	2 1/2	1 29/32	3/32	4 1/8	19.9
H100R28	R1	1 1/8 - 3 3/4	11.84	11.164	28	4	.692	3 5/32	2 7/8	2 3/16	0	5 3/8	21.0
H100Q30	Q1	3/4 - 2 11/16	12.64	11.958	30	4	.692	2 53/64	2 1/2	1 29/32	3/32	4 1/8	22.6
H100R30	R1	1 1/8 - 3 3/4	12.64	11.958	30	4	.692	3 5/32	2 7/8	2 3/16	0	5 3/8	24.5
100Q32	Q1	3/4 - 2 11/16	13.44	12.753	32	4	.692	2 53/64	2 1/2	1 29/32	3/32	4 1/8	25.3
100R32	R1	1 1/8 - 3 3/4	13.44	12.753	32	4	.692	3 5/32	2 7/8	2 3/16	0	5 3/8	26.5
100Q35	Q1	3/4 - 2 11/16	14.64	13.945	35	4	.692	2 53/64	2 1/2	1 29/32	3/32	4 1/8	30.2
100R35	R1	1 1/8 - 3 3/4	14.64	13.945	35	4	.692	3 5/32	2 7/8	2 3/16	0	5 3/8	29.8
100R36	R1	1 1/8 - 3 3/4	15.04	14.342	36	4	.692	3 5/32	2 7/8	2 3/16	0	5 3/8	33.0
100R40	R1	1 1/8 - 3 3/4	16.63	15.932	40	4	.692	3 5/32	2 7/8	2 3/16	0	5 3/8	40.9
100R42	R1	1 1/8 - 3 3/4	17.43	16.727	42	4	.692	3 5/32	2 7/8	2 3/16	0	5 3/8	44.3
100R45	R1	1 1/8 - 3 3/4	18.63	17.920	45	4	.692	3 5/32	2 7/8	2 3/16	0	5 3/8	50.5
100R48	R1	1 1/8 - 3 3/4	19.82	19.112	48	4	.692	3 5/32	2 7/8	2 3/16	0	5 3/8	57.5
100R54	R1	1 1/8 - 3 3/4	22.21	21.498	54	5	.692	3 5/32	2 7/8	7/8	1 5/16	5 3/8	69.0
100R60	R1	1 1/8 - 3 3/4	24.55	23.884	60	5	.692	3 5/32	2 7/8	7/8	1 5/16	5 3/8	84.0
100R70	R1	1 1/8 - 3 3/4	28.53	27.862	70	5	.692	3 5/32	2 7/8	7/8	1 5/16	5 3/8	104
100R72	R1	1 1/8 - 3 3/4	29.33	28.657	72	5	.692	3 5/32	2 7/8	7/8	1 5/16	5 3/8	106
100R80	R1	1 1/8 - 3 3/4	32.52	31.839	80	5	.692	3 5/32	2 7/8	7/8	1 5/16	5 3/8	135
100R84	R1	1 1/8 - 3 3/4	34.11	33.430	84	5	.692	3 5/32	2 7/8	7/8	1 5/16	5 3/8	138

Where two sprockets with the same number of teeth but different bushings are offered, we suggest using the one with the larger bushing for heavier service drives.

H

Standard Keyseats

Table No. 2

Bore Range	Keyseat
3/4" — 7/8"	3/16" x 3/32"
15/16 — 1 1/4	1/4 X 1/8
1 5/16 — 1 3/8	5/16 X 5/32
1 7/16 — 1 3/4	3/8 X 3/16
1 13/16 — 2 1/4	1/2 x 1/4
2 5/16 — 2 3/4	5/8 x 5/16
2 13/16 — 3 1/4	3/4 x 3/8
3 3/8 — 3 3/4	7/8 x 7/16
3 7/8 — 4 1/4	1 x 1/2
4 5/8 — 5 1/2	1 1/4 x 5/8

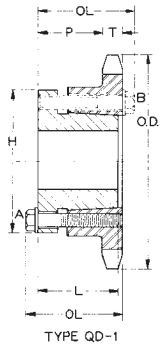
1 3/8" Bore Bushings also available with 3/8" x 3/16" Keyseat.

Sprockets for No. 100, 1 1/4" Pitch ANSI Chain

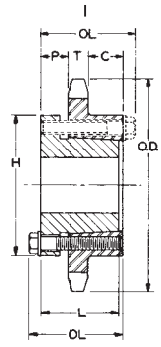
Table No. 1 — **Steel Single Sprockets with Q-D® Bushings**

HARDENED TEETH

Part No.	Bushing	Bore Range	DIAMETERS Outside	DIAMETERS Pitch	Type	No. Teeth	DIMENSIONS T Nom.	DIMENSIONS OL	DIMENSIONS L	DIMENSIONS P	DIMENSIONS C	DIMENSIONS H	Wt.Less Bushing
H100SDS11	SDS	1/2 - 2"	5.01"	4.437"	QD-1	11	.692"	1 21/32"	1 5/16"	3/4"	-	3 1/8"	2.33
H100SDS12	SDS	1/2 - 2	5.42	4.830	QD-1	12	.692	1 21/32	1 5/16	3/4	-	3 1/8	2.91
H100SK13	SK	1/2 - 2 5/8	5.82	5.223	QD-1	13	.692	2 11/32	1 15/16	1 3/8	-	3 7/8	3.80
H100SK14	SK	1/2 - 2 5/8	6.23	5.617	QD-1	14	.692	2 11/32	1 15/16	1 3/8	-	3 7/8	4.62
H100SF15	SF	1/2 - 2 15/16	6.63	6.012	QD-1	15	.692	2 15/32	2 1/16	1 7/16	-	4 5/8	5.5
H100SF16	SF	1/2 - 2 15/16	7.03	6.407	QD-1	16	.692	2 15/32	2 1/16	1 7/16	-	4 5/8	6.2
H100SF17	SF	1/2 - 2 15/16	7.44	6.803	QD-1	17	.692	2 15/32	2 1/16	1 7/16	-	4 5/8	7.0
H100E18	E	7/8 - 3 1/2	7.84	7.198	QD-1	18	.692	3 1/4	2 3/4	2 1/8	-	6	9.9
H100E19	E	7/8 - 3 1/2	8.24	7.595	QD-1	19	.692	3 1/4	2 3/4	2 1/8	-	6	11.0
H100E20	E	7/8 - 3 1/2	8.64	7.991	QD-1	20	.692	3 1/4	2 3/4	2 1/8	-	6	11.7
H100E21	E	7/8 - 3 1/2	9.04	8.387	QD-1	21	.692	3 1/4	2 3/4	2 1/8	-	6	12.6
H100E22	E	7/8 - 3 1/2	9.44	8.783	QD-1	22	.692	3 1/4	2 3/4	2 1/8	-	6	13.6
H100E23	E	7/8 - 3 1/2	9.84	9.180	QD-1	23	.692	3 1/4	2 3/4	2 1/8	-	6	14.6
H100E24	E	7/8 - 3 1/2	10.25	9.557	QD-1	24	.692	3 1/4	2 3/4	2 1/8	-	6	15.6
H100E25	E	7/8 - 3 1/2	10.65	9.973	QD-1	25	.692	3 1/4	2 3/4	2 1/8	-	6	16.7
H100E26	E	7/8 - 3 1/2	11.05	10.370	QD-1	26	.692	3 1/4	2 3/4	2 1/8	-	6	17.8
H100E27	E	7/8 - 3 1/2	11.44	10.767	QD-1	27	.692	3 1/4	2 3/4	2 1/8	-	6	19.0
H100E28	E	7/8 - 3 1/2	11.84	11.164	QD-1	28	.692	3 1/4	2 3/4	2 1/8	-	6	20.2
H100E30	E	7/8 - 3 1/2	12.64	11.958	QD-1	30	.692	3 1/4	2 3/4	2 1/8	-	6	22.8
100E32	E	7/8 - 3 1/2	13.44	12.753	QD-1	32	.692	3 1/4	2 3/4	2 1/8	-	6	25.5
100E35	E	7/8 - 3 1/2	14.64	13.945	QD-1	35	.692	3 1/4	2 3/4	2 1/8	-	6	29.9
100E36	E	7/8 - 3 1/2	15.04	14.342	QD-1	36	.692	3 1/4	2 3/4	2 1/8	-	6	31.5
100E40	E	7/8 - 3 1/2	16.63	15.932	QD-1	40	.692	3 1/4	2 3/4	2 1/8	-	6	38.2
100E42	E	7/8 - 3 1/2	17.43	16.727	QD-1	42	.692	3 1/4	2 3/4	2 1/8	-	6	41.8
100E45	E	7/8 - 3 1/2	18.63	17.920	QD-1	45	.692	3 1/4	2 3/4	2 1/8	-	6	47.5
100E48	E	7/8 - 3 1/2	19.82	19.112	QD-1	48	.692	3 1/4	2 3/4	2 1/8	-	6	53.7
100E54	E	7/8 - 3 1/2	22.21	21.498	QD-2	54	.692	3 1/4	2 3/4	1 3/16	1 25/64	6	67.1
100E60	E	7/8 - 3 1/2	24.60	23.884	QD-2	60	.692	3 1/4	2 3/4	1 3/16	1 25/64	6	82.2
100F70	E	1 - 4	28.58	27.862	QD-2	70	.692	4 3/8	3 3/4	1 3/8	2 21/64	6 5/8	117
100F72	F	1 - 4	29.38	28.657	QD-2	72	.692	4 3/8	3 3/4	1 3/8	2 21/64	6 5/8	123
100F80	F	1 - 4	32.57	31.839	QD-2	80	.692	4 3/8	3 3/4	1 3/8	2 21/64	6 5/8	140
100F84	F	1 - 4	34.16	33.430	QD-2	84	.692	4 3/8	3 3/4	1 3/8	2 21/64	6 5/8	154



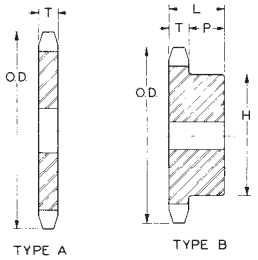
TYPE QD-1



TYPE QD-2

Table No. 2 — **Type "A" Steel Plate Sprockets**

Part No.	Outside Dia.	Pitch Dia.	No. Teeth	Stock Bore	T (Nom.)	Wt. Lbs.	Part No.	Outside Dia.	Pitch Dia.	No. Teeth	Stock Bore	T (Nom.)	Wt. Lbs.
100A7	3.35"	2.881"	7	1"	.692"	.9	100A38	15.84"	15.137"	38	1"	.692"	31.7
100A8	3.77	3.266	8	1	.692	1.0	100A39	16.23	15.534	39	1	.692	33.4
100A9	4.18	3.665	9	1	.692	1.5	100A40	16.63	15.932	40	1	.692	35.1
100A10	4.60	4.045	10	1	.692	2.0	100A41	17.03	16.329	41	1	.692	36.9
100A11	5.01	4.437	11	1	.692	2.3	100A42	17.43	16.727	42	1	.692	38.7
100A12	5.42	4.830	12	1	.692	3.1	100A43	17.83	17.124	43	1	.692	40.6
100A13	5.82	5.223	13	1	.692	3.4	100A44	18.23	17.522	44	1	.692	42.5
100A14	6.23	5.617	14	1	.692	4.1	100A45	18.63	17.920	45	1	.692	44.5
100A15	6.63	6.012	15	1	.692	4.8	100A46	19.02	18.317	46	1	.692	46.5
100A16	7.03	6.407	16	1	.692	5.4	100A47	19.42	18.715	47	1	.692	48.5
100A17	7.44	6.803	17	1	.692	6.2	100A48	19.82	19.112	48	1	.692	50.6
100A18	7.84	7.198	18	1	.692	7.2	100A49	20.22	19.510	49	1	.692	52.7
100A19	8.24	7.595	19	1	.692	7.5	100A50	20.62	19.908	50	1	.692	54.9
100A20	8.64	7.991	20	1	.692	8.9	100A51	21.02	20.305	51	1	.692	57.1
100A21	9.04	8.387	21	1	.692	9.6	100A52	21.42	20.703	52	1	.692	59.4
100A22	9.44	8.783	22	1	.692	11.3	100A53	21.81	21.100	53	1	.692	61.7
100A23	9.84	9.180	23	1	.692	12.0	100A54	22.21	21.498	54	1	.692	64.1
100A24	10.25	9.577	24	1	.692	13.3	100A55	22.61	21.896	55	1	.692	66.5
100A25	10.65	9.973	25	1	.692	14.1	100A56	23.01	22.296	56	1	.692	68.9
100A26	11.05	10.370	26	1	.692	15.3	100A57	23.41	22.691	57	1	.692	71.4
100A27	11.44	10.767	27	1	.692	16.4	100A58	23.81	23.089	58	1	.692	73.9
100A28	11.84	11.164	28	1	.692	17.5	100A59	24.20	23.486	59	1	.692	76.5
100A29	12.24	11.561	29	1	.692	19.6	100A60	24.60	23.884	60	1	.692	79.1
100A30	12.64	11.958	30	1	.692	20.4	100A70	28.58	27.862	70	1 7/16	.692	108
100A31	13.04	12.356	31	1	.692	22.3	100A72	29.38	28.657	72	1 7/16	.692	114
100A32	13.44	12.753	32	1	.692	22.5	100A76	30.97	30.248	76	1 7/16	.692	127
100A33	13.84	13.150	33	1	.692	23.9	100A80	32.96	32.237	80	1 7/16	.692	141
100A34	14.24	13.547	34	1	.692	25.4	100A84	34.16	33.430	84	1 7/16	.692	155
100A35	14.64	13.945	35	1	.692	26.9	100A90	36.55	35.817	90	1 7/16	.692	178
100A36	15.04	14.342	36	1	.692	28.4	100A96	38.93	38.203	96	1 7/16	.692	202
100A37	15.44	14.740	37	1	.692	30.0							



TYPE A TYPE B

Standard Keyseats

Table No. 3

Bore Range	Keyseat
1/2" — 9/16"	1/8" X 1/16"
5/8 — 7/8	3/16 X 3/32
15/16 — 1 1/4	1/4 X 1/8
1 5/16 — 1 3/8	5/16 X 5/32
1 7/16 — 1 3/4	3/8 X 3/16
1 13/16 — 2 1/4	1/2 x 1/4
2 5/16 — 2 3/4	5/8 x 5/16
2 13/16 — 3 1/4	3/4 x 3/8
3 3/8 — 3 3/4	7/8 x 7/16
3 7/8 — 4 1/2	1 x 1/2

1 3/8" Bore Bushings also available with 3/8" x 3/16" Keyseat.

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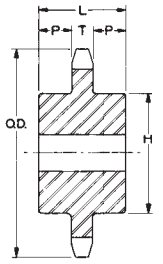
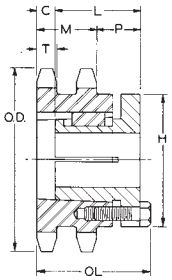


TYPE C



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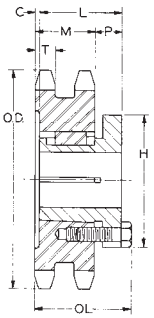

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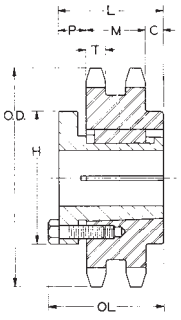

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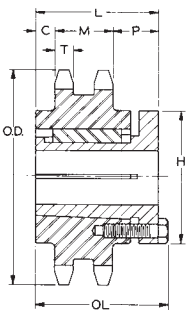


TYPE 18

Table No. 1 **Steel Single Type "B" and "C" Minimum Bore Sprockets**

Part No.	DIAMETERS		No. of Teeth	Type	BORE		DIMENSIONS				Wt. Lbs.
	Outside	Pitch			Stock	Max.*	T Nom.	L Max.	P	H	
100B8	3.77"	3.266"	8	B	1"	1 3/8"	.692"	1 7/8"	1 3/16"	2 31/64"†	2.8
100B9	4.18	3.655	9	B	1	1 5/8	.692	1 7/8	1 3/16	2 7/8†	3.8
100B10	4.60	4.045	10	B	1	1 7/8	.692	1 7/8	1 3/16	3 17/64†	5.1
100B11	5.01	4.437	11	B	1	2 1/4	.692	1 7/8	1 3/16	3 21/32†	6.3
100B12	5.42	4.830	12	B	1	2 3/8	.692	1 7/8	1 3/16	4 3/64†	5.0
100B13	5.82	5.223	13	B	1	2 5/8	.692	1 5/8	15/16	3 7/8	6.3
100B14	6.23	5.617	14	B	1	2 3/4	.692	1 5/8	15/16	4 3/16	9.2
100B15	6.63	6.012	15	B	1	3	.692	1 3/4	1 1/16	4 9/16	10.5
100B16	7.03	6.407	16	B	1	3 1/4	.692	1 3/4	1 1/16	4 3/4	11.2
100B17	7.44	6.803	17	B	1	3 1/4	.692	1 3/4	1 1/16	4 3/4	12.0
100B18	7.84	7.198	18	B	1	3 1/4	.692	1 3/4	1 1/16	4 3/4	12.9
100B19	8.24	7.595	19	B	1	3 1/4	.692	2	1 5/16	4 3/4	15.0
100B20	8.64	7.991	20	B	1	3 1/4	.692	2	1 5/16	4 3/4	15.9
100B21	9.04	8.387	21	B	1	3 1/4	.692	2	1 5/16	4 3/4	16.9
100B22	9.44	8.783	22	B	1	3 1/4	.692	2	1 5/16	4 3/4	18.0
100B23	9.84	9.180	23	B	1	3 1/4	.692	2	1 5/16	4 3/4	19.1
100B24	10.25	9.577	24	B	1	3 1/4	.692	2	1 5/16	4 3/4	20.2
100B25	10.65	9.973	25	B	1	3 1/4	.692	2	1 5/16	4 3/4	21.4
100B26	11.05	10.370	26	B	1	3 1/2	.692	2	1 5/16	5 1/4	24.1
100B27	11.44	10.767	27	B	1	3 1/2	.692	2	1 5/16	5 1/4	25.4
100B28	11.84	11.164	28	B	1	3 1/2	.692	2	1 5/16	5 1/4	26.7
100B29	12.24	11.561	29	B	1	3 1/2	.692	2	1 5/16	5 1/4	28.1
100B30	12.64	11.958	30	B	1	3 1/2	.692	2	1 5/16	5 1/4	29.6
100B32	13.44	12.753	32	B	1	3 1/2	.692	2	1 5/16	5 1/4	32.6
100B35	14.64	13.945	35	B	1	3 1/2	.692	2	1 5/16	5 1/4	37.5
100B36	15.04	14.342	36	B	1	3 1/2	.692	2	1 5/16	5 1/4	39.2
100B39	16.23	15.534	39	B	1	3 3/4	.692	2 3/16	1 1/2	6	48.6
100B40	16.63	15.932	40	B	1	3 3/4	.692	2 3/16	1 1/2	6	50.5
100B42	17.43	16.727	42	B	1	3 3/4	.692	2 3/16	1 1/2	6	54.5
100B45	18.63	17.920	45	B	1	4	.692	2 3/16	1 1/2	6	60.9
100B48	19.82	19.112	48	B	1	4	.692	2 3/16	1 1/2	6	67.7
100C54	22.21	21.498	54	C	1	4	.692	3 1/4	1 9/32	6	90.8
100C60	24.60	23.880	60	C	1	4	.692	3 1/4	1 9/32	6	108
100C70	28.58	27.862	70	C	1 7/16	5 1/4	.692	3 1/4	1 9/32	7 1/8	147
100C72	29.38	28.657	72	C	1 7/16	5 1/4	.692	3 1/4	1 9/32	7 1/8	155
100C76	30.97	30.248	76	C	1 7/16	5 1/4	.692	3 1/4	1 9/32	7 1/8	168
100C80	32.57	29.850	80	C	1 7/16	5 1/4	.692	3 1/4	1 9/32	7 1/8	183
100C84	34.16	33.430	84	C	1 7/16	5 1/4	.692	3 1/4	1 9/32	7 1/8	199
100C90	36.55	35.817	90	C	1 7/16	5 1/4	.692	3 1/4	1 9/32	7 1/8	225
100C96	38.93	38.203	96	C	1 7/16	5 1/4	.692	3 1/4	1 9/32	7 1/8	252

*** Maximum bore shown is with standard keyway and setscrew over keyway. Slightly larger bores are possible with no keyway, shallow keyway or setscrew at angle to keyway.**
† Hub is recessed for chain clearance
These type "B" and "C" Sprockets are furnished with no keyway and no setscrew. They are made with minimum bore which can be rebored to size, keywayed and setscrewed for a reasonable extra charge

Table No. 2 **Steel Double Sprockets with Browning Split Taper® Bushings**

HARDENED TEETH →

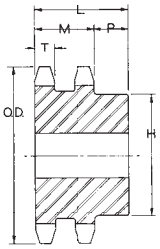
Part No.	Bushing	Bore Range	DIAMETERS		No. of Teeth	Type	DIMENSIONS							Wt.(lbs) Less Bushing
			Outside	Pitch			T	M	OL	L	P	C	H	
D100P11	P1	1/2 - 1 3/4	5.01	4.437	11	14	.669	2.077	2 15/16	1 15/16	5/8	3/4	3	4.7
D100Q12	Q2	1-2 5/8	5.42	4.830	12	12	.669	2.077	4 7/32	3 1/2	1 55/64	7/16	4 1/8	5.9
D100Q13	Q2	1-2 5/8	5.82	5.223	13	12	.669	2.077	4 7/32	3 1/2	1 55/64	7/16	4 1/8	7.9
D100Q14	Q1	3/4 - 2 11/16	6.23	5.617	14	14	.669	2.077	3 3/32	2 1/2	3/4	5/16	4 1/8	7.4
D100Q15	Q1	3/4 - 2 11/16	6.63	6.012	15	14	.669	2.077	3 3/32	2 1/2	3/4	5/16	4 1/8	9.1
D100Q16	Q1	3/4 - 2 11/16	7.03	6.407	16	14	.669	2.077	3 3/32	2 1/2	3/4	5/16	4 1/8	10.9
D100R17	R1	1 1/8 - 3 3/4	7.44	6.803	17	14	.669	2.077	3 7/32	2 7/8	7/8	1/16	5 3/8	10.0
D100R18	R1	1 1/8 - 3 3/4	7.84	7.198	18	14	.669	2.077	3 7/32	2 7/8	7/8	1/16	5 3/8	12.3
D100R19	R1	1 1/8 - 3 3/4	8.24	7.595	19	14	.669	2.077	3 7/32	2 7/8	7/8	1/16	5 3/8	14.9
D100R20	R1	1 1/8 - 3 3/4	8.64	7.991	20	14	.669	2.077	3 7/32	2 7/8	7/8	1/16	5 3/8	17.4
D100R21	R1	1 1/8 - 3 3/4	9.04	8.387	21	14	.669	2.077	3 7/32	2 7/8	7/8	1/16	5 3/8	20.3
D100R22	R1	1 1/8 - 3 3/4	9.44	8.783	22	14	.669	2.077	3 7/32	2 7/8	7/8	1/16	5 3/8	22.8
D100R24	R1	1 1/8 - 3 3/4	10.25	9.577	24	14	.669	2.077	3 7/32	2 7/8	7/8	1/16	5 3/8	29.5
D100R35	R1	1 1/8 - 3 3/4	14.64	13.945	35	14	.669	2.077	3 7/32	2 7/8	7/8	1/16	5 3/8	76.8
D100S45	S1	1 11/16 - 4 1/4	18.63	17.920	45	15	.669	2.077	4 3/4	4 3/8	1 1/16	1 15/64	6 3/8	138
D100S60	S1	1 11/16 - 4 1/4	24.60	23.884	60	15	.669	2.077	4 3/4	4 3/8	1 1/16	1 15/64	6 3/8	251
D100S70	S2	1 7/8 - 4 3/16	28.58	27.862	70	18	.669	2.077	7 1/8	6 3/4	2 7/16	2 1/4	6 3/8	358
D100S80	S2	1 7/8 - 4 3/16	32.57	31.839	80	18	.669	2.077	7 1/8	6 3/4	2 7/16	2 1/4	6 3/8	431

Sprockets for No. 100, 1 1/4" Pitch ANSI Chain

Table No. 1 — **Steel Minimum Bore Double Sprockets**

HARDENED TEETH

Part No.	DIAMETERS Outside	DIAMETERS Pitch	No. Teeth	Type	BORE Stock	BORE Max.*	DIMENSIONS T	DIMENSIONS M	DIMENSIONS L Max.	DIMENSIONS P	DIMENSIONS H	Wt. Lbs.
D100B9	4.15"	3.655"	9	DB	1"	1 5/8"	.669"	2.077"	2 7/8"	51/64"	2 13/32"	4.5
D100B10	4.60	4.045	10	DB	1	1 7/8	.669	2.077	2 7/8	51/64	2 3/4	6.0
D100B11	5.01	4.437	11	DB	1	2 1/8	.669	2.077	2 7/8	51/64	3 1/8	7.7
D100B12	5.40	4.830	12	DB	1	2 1/4	.669	2.077	2 7/8	51/64	3 3/8	9.3
D100B13	5.82	5.223	13	DB	1	2 1/2	.669	2.077	2 7/8	51/64	3 13/16	11.5
D100B14	6.23	5.617	14	DB	1	2 3/4	.669	2.077	2 7/8	51/64	4 3/16	13.8
D100B15	6.63	6.012	15	DB	1 3/16	3 1/8	.669	2.077	3 1/8	1 3/64	4 5/8	17.2
D100B16	7.03	6.407	16	DB	1 3/16	3 5/16	.669	2.077	3 1/8	1 3/64	5	20.1
D100B17	7.44	6.803	17	DB	1 3/16	3 1/2	.669	2.077	3 1/8	1 3/64	5 1/4	22.9
D100B18	7.84	7.198	18	DB	1 3/16	3 1/2	.669	2.077	3 1/8	1 3/64	5 1/4	25.2
D100B19	8.24	7.595	19	DB	1 3/16	3 3/4	.669	2.077	3 3/8	1 19/64	5 1/2	30.1
D100B20	8.64	7.991	20	DB	1 1/4	3 3/4	.669	2.077	3 3/8	1 19/64	5 1/2	33.0
D100B21	9.04	8.387	21	DB	1 1/4	3 3/4	.669	2.077	3 3/8	1 19/64	5 1/2	35.7
D100B22	9.44	8.783	22	DB	1 1/4	3 3/4	.669	2.077	3 3/8	1 19/64	5 3/4	39.8
D100B23	9.84	9.180	23	DB	1 1/4	3 3/4	.669	2.077	3 3/8	1 19/64	5 3/4	43.1
D100B24	10.25	9.577	24	DB	1 1/4	3 3/4	.669	2.077	3 3/8	1 19/64	5 3/4	46.1
D100B25	10.65	9.973	25	DB	1 1/4	3 3/4	.669	2.077	3 3/8	1 19/64	5 3/4	49.8
D100B26	11.05	10.370	26	DB	1 7/16	3 3/4	.669	2.077	3 3/8	1 19/64	5 3/4	53.3
D100B30	12.64	11.958	30	DB	1 7/16	3 3/4	.669	2.077	3 3/8	1 19/64	5 3/4	69.0
D100C35	14.64	13.945	35	DC	1 1/2	4 1/4	.669	2.077	4 1/4	1 3/32	6 1/4	101
D100C45	18.63	17.920	45	DC	1 1/2	4 1/4	.669	2.077	4 1/2	1 7/32	6 1/4	160
D100C60	24.60	23.884	60	DC	1 1/2	5 3/8	.669	2.077	5	1 15/32	7 1/2	287
D100C70	28.58	27.862	70	DC	1 1/2	5 3/8	.669	2.077	5	1 15/32	7 1/2	381
D100C80	32.57	31.839	80	DC	1 1/2	5 3/8	.669	2.077	5	1 15/32	7 1/2	205



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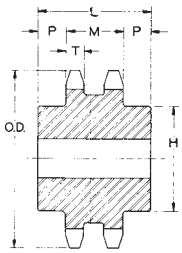
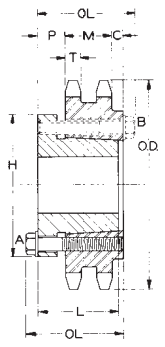


TYPE DC

*** Maximum bores shown will accommodate standard keyway and setscrew over keyway. Slightly larger bores are possible with no keyway, shallow keyway or setscrew at angle to keyway.**
These sprockets are furnished with minimum bore and no keyway. They can be rebored to size, keywayed and setscrewed for a reasonable extra charge.

Table No. 2 — **Steel Double Sprockets with Q-D® Bushings**

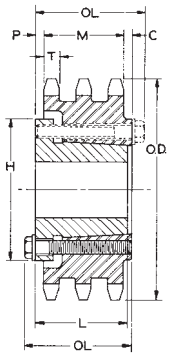
Part No.	Bushing	Bore Range	DIAMETERS Outside	DIAMETERS Pitch	Type	No. Teeth	DIMENSIONS T	DIMENSIONS M	DIMENSIONS OL Max.	DIMENSIONS L	DIMENSIONS P	DIMENSIONS C	DIMENSIONS H	Wt. Less Bushing
D100F35	F	1 - 4"	14.64"	13.945"	QD-4	35	.669"	2.077"	4 3/8"	3 3/4"	1 3/8"	27/64"	6 5/8"	77.8
D100F45	F	1 - 4	18.63	17.920	QD-4	45	.669	2.077	4 3/8	3 3/4	1 3/8	27/64	6 5/8	135
D100J60	J	1 1/2 - 4 1/2	24.60	23.884	QD-4	60	.669	2.077	5 5/16	4 5/8	1 19/32	1 5/64	7 1/4	250
D100J70	J	1 1/2 - 4 1/2	25.58	27.862	QD-4	70	.669	2.077	5 5/16	4 5/8	1 19/32	1 5/64	7 1/4	343
D100J80	J	1 1/2 - 4 1/2	32.57	31.839	QD-4	80	.669	2.077	5 5/16	4 5/8	1 19/32	1 5/64	7 1/4	416



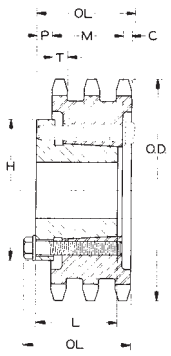
TYPE QD-4

Table No. 3 — **Steel Triple Sprockets with Q-D® Bushings**

Part No.	Bushing	Bore Range	DIAMETERS Outside	DIAMETERS Pitch	Type	No. Teeth	DIMENSIONS T	DIMENSIONS M	DIMENSIONS OL	DIMENSIONS L	DIMENSIONS P	DIMENSIONS C	DIMENSIONS H	Wt. Less Bushing
T100F35	F	1 - 4"	14.64"	13.945"	QD-9	35	.669"	3.485"	4 7//8"	3 3/4"	7/8"	31/64"	6 5/8"	118
T100F45	F	1 - 4	18.63	17.820	QD-9	45	.669	3.485	4 7/8	3 3/4	7/8	31/64	6 5/8	211
T100J60	J	1 1/2 - 4 1/2	24.60	23.884	QD-7	50	.669	3.485	5 5/16	4 5/8	7/8	25/32	7 1/4	400
T100J70	J	1 1/2 - 4 1/2	28.58	27.862	QD-7	70	.669	3.485	5 5/16	4 5/8	7/8	25/32	7 1/4	556
T100J80	J	1 1/2 - 4 1/2	32.57	31.839	QD-7	80	.669	3.485	5 5/16	4 5/8	7/8	25/32	7 1/4	205



TYPE QD-7



TYPE QD-9

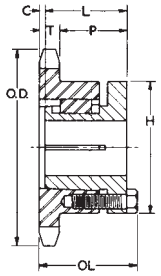
Standard Keyseats

Table No. 4

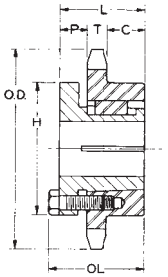
Bore Range	Keyseat
1/2" — 9/16"	1/8" X 1/16"
5/8 — 7/8	3/16 X 3/32
15/16 — 1 1/4	1/4 X 1/8
1 5/16 — 1 3/8	5/16 X 5/32
1 7/16 — 1 3/4	3/8 X 3/16
1 13/16 — 2 1/4	1/2 x 1/4
2 5/16 — 2 3/4	5/8 x 5/16
2 13/16 — 3 1/4	3/4 x 3/8
3 3/8 — 3 3/4	7/8 x 7/16
3 7/8 — 4 1/2	1 x 1/2

1 3/8" Bore Bushings also available with 3/8" x 3/16" Keyseat.

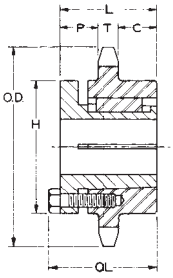
Sprockets for No. 120, 1 1/2" Pitch ANSI Chain



TYPE 4



TYPE 5



TYPE 6

Table No. 1 **Steel Single Sprockets with Browning Split Taper® Bushings**

HARDENED TEETH

Part No.	Bushing	Bore Range	DIAMETERS		No. Teeth	Type	DIMENSIONS						Wt. Less Bushing
			Outside	Pitch			T Nom.	OL	L	P	C	H	
H120Q11	Q1	3/4 - 2 11/16"	6.01"	5.324"	11	4	.924"	2 25/32"	2 1/2"	1 9/16"	0	4 1/8"	4.8
H120Q12	Q1	3/4 - 2 11/16"	6.50	5.796	12	4	.924	2 25/32	2 1/2	1 9/16	0	4 1/8	6.3
H120Q13	Q1	3/4 - 2 11/16"	6.99	6.268	13	4	.924	2 25/32	2 1/2	1 9/16	0	4 1/8	7.9
H120Q14	Q1	3/4 - 2 11/16"	7.47	6.741	14	4	.924	2 25/32	2 1/2	1 9/16	0	4 1/8	9.1
H120Q15	Q1	3/4 - 2 11/16"	7.96	7.215	15	4	.924	2 25/32	2 1/2	1 9/16	0	4 1/8	10.4
H120Q16	Q1	3/4 - 2 11/16"	8.39	7.689	16	4	.924	2 25/32	2 1/2	1 9/16	0	4 1/8	11.8
H120R16	R1	1 1/8 - 3 3/4	8.39	7.689	16	4	.924	3 5/32	2 7/8	1 15/16	0	5 3/8	12.3
H120Q17	Q1	3/4 - 2 11/16"	8.88	8.163	17	4	.924	2 25/32	2 1/2	1 9/16	0	4 1/8	13.4
H120R17	R1	1 1/8 - 3 3/4	8.88	8.163	17	4	.924	3 5/32	2 7/8	1 15/16	0	5 3/8	13.6
H120Q18	Q1	3/4 - 2 11/16"	9.41	8.638	18	4	.924	2 25/32	2 1/2	1 9/16	0	4 1/8	15.6
H120R18	R1	1 1/8 - 3 3/4	9.41	8.638	18	4	.924	3 5/32	3 5/32	1 9/16	0	5 3/8	15.9
H120R19	R1	1 1/8 - 3 3/4	9.89	9.113	19	4	.924	3 5/32	3 5/32	1 9/16	0	5 3/8	16.8
H120R20	R1	1 1/8 - 3 3/4	10.37	9.589	20	4	.924	3 5/32	2 7/8	1 15/16	0	5 3/8	18.8
H120R21	R1	1 1/8 - 3 3/4	10.85	10.064	21	4	.924	3 5/32	2 7/8	1 15/16	0	5 3/8	21.0
H120R22	R1	1 1/8 - 3 3/4	11.33	10.540	22	4	.924	3 5/32	2 7/8	1 15/16	0	5 3/8	22.5
H120R23	R1	1 1/8 - 3 3/4	11.81	11.016	23	4	.924	3 5/32	2 7/8	1 15/16	0	5 3/8	24.8
H120R24	R1	1 1/8 - 3 3/4	12.29	11.492	24	4	.924	3 5/32	2 7/8	1 15/16	0	5 3/8	26.9
H120R25	R1	1 1/8 - 3 3/4	12.77	11.968	25	4	.924	3 5/32	2 7/8	1 15/16	0	5 3/8	29.8
H120R26	R1	1 1/8 - 3 3/4	13.25	12.444	26	5	.924	3 5/32	2 7/8	7/8	1 1/16	5 3/8	32.9
H120R28	R1	1 1/8 - 3 3/4	14.21	13.397	28	5	.924	3 5/32	2 7/8	7/8	1 1/16	5 3/8	38.3
H120R30	R1	1 1/8 - 3 3/4	15.17	14.350	30	5	.924	3 5/32	2 7/8	7/8	1 1/16	5 3/8	43.4
120R32	R1	1 1/8 - 3 3/4	16.13	15.303	32	5	.924	3 5/32	2 7/8	7/8	1 1/16	5 3/8	49.4
120R35	R2	1 3/8 - 3 5/8	17.57	16.734	35	6	.924	5 5/32	4 7/8	1 15/16	2	5 3/8	68.0
120R36	R2	1 3/8 - 3 5/8	18.05	17.211	36	6	.924	5 5/32	4 7/8	1 15/16	2	5 3/8	72.0
120R40	R2	1 3/8 - 3 5/8	19.96	19.118	40	6	.924	5 5/32	4 7/8	1 15/16	2	5 3/8	82.0
120S40	S1	1 11/16 - 4 1/4	19.96	19.118	40	5	.924	4 3/4	4 3/8	1 1/16	2 3/8	6 3/8	83.0
120S42	S1	1 11/16 - 4 1/4	20.92	20.072	42	5	.924	4 3/4	4 3/8	1 1/16	2 3/8	6 3/8	90.0
120R45	R2	1 3/8 - 3 5/8	22.35	21.503	45	6	.924	5 5/32	4 7/8	1 15/16	2	5 3/8	102
120S45	S1	1 11/16 - 4 1/4	22.35	21.503	45	5	.924	4 3/4	4 3/8	1 1/16	2 3/8	6 3/8	100
120S48	S1	1 11/16 - 4 1/4	23.79	22.935	48	5	.924	4 3/4	4 3/8	1 1/16	2 3/8	6 3/8	111
120S54	S1	1 11/16 - 4 1/4	26.65	25.798	54	5	.924	4 3/4	4 3/8	1 1/16	2 3/8	6 3/8	138
120R60	R2	1 3/8 - 3 5/8	29.52	28.661	60	6	.924	5 5/32	4 7/8	1 15/16	2	5 3/8	179
120S60	S1	1 11/16 - 4 1/4	29.52	28.661	60	5	.924	4 3/4	4 3/8	1 1/16	2 3/8	6 3/8	180
120R70	R2	1 3/8 - 3 5/8	34.30	33.434	70	6	.924	5 5/32	4 7/8	1 15/16	2	5 3/8	148
120S70	S2	1 11/16 - 4 1/4	34.30	33.434	70	6	.924	7 1/8	6 3/4	2 15/16	2 7/8	6 3/8	167
120R80	R2	1 3/8 - 3 5/8	39.08	38.207	80	6	.924	5 5/32	4 7/8	1 15/16	2	5 3/8	291
120S80	S2	1 7/8 - 4 3/16	39.08	38.207	80	6	.924	7 1/8	6 3/4	2 15/16	2 7/8	6 3/8	305

Where two sprockets with the same number of teeth but different bushings are offered, we suggest using the one with the larger bushing for heavier service drives.

H

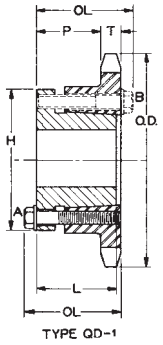
Sprockets for No. 120, 1 1/2" Pitch ANSI Chain

Table No. 1 **Steel Single Sprockets with Q-D® Bushings**

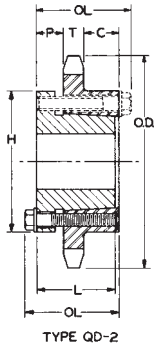
HARDENED TEETH

Part No.	Bushing	Bore Range	DIAMETERS		Type	No. Teeth	DIMENSIONS						Wt. Less Bushing
			Outside	Pitch			T Nom.	OL	L	P	C	H	
H120SF12*	SF	1/2 - 2 15/16"	6.50"	5.796"	QD-1	12	.924"	2 15/32"	2 1/16"	1 13/64"	-	4 5/8"	5.8
H120SF13	SF	1/2 - 2 15/16	6.99	6.268	QD-1	13	.924	2 15/32	2 1/16	1 13/64	-	4 5/8	6.8
H120SF14	SF	1/2 - 2 15/16	7.47	6.741	QD-1	14	.924	2 15/32	2 1/16	1 13/64	-	4 5/8	8.1
H120SF15	SF	1/2 - 2 15/16	7.96	7.215	QD-1	15	.924	2 15/32	2 1/16	1 13/64	-	4 5/8	9.5
H120E16	E	7/8 - 3 1/2	8.44	7.689	QD-1	16	.924	3 1/4	2 3/4	1 57/64	-	6	12.4
H120E17	E	7/8 - 3 1/2	8.92	8.163	QD-1	17	.924	3 1/4	2 3/4	1 57/64	-	6	13.9
H120E18	E	7/8 - 3 1/2	9.41	8.638	QD-1	18	.924	3 1/4	2 3/4	1 57/64	-	6	15.4
H120E19	E	7/8 - 3 1/2	9.89	9.113	QD-1	19	.924	3 1/4	2 3/4	1 57/64	-	6	17.0
H120E20	E	7/8 - 3 1/2	10.37	9.589	QD-1	20	.924	3 1/4	2 3/4	1 57/64	-	6	18.8
H120E21	E	7/8 - 3 1/2	10.85	10.064	QD-1	21	.924	3 1/4	2 3/4	1 57/64	-	6	20.6
H120E22	E	7/8 - 3 1/2	11.33	10.540	QD-1	22	.924	3 1/4	2 3/4	1 57/64	-	6	22.5
H120E23	E	7/8 - 3 1/2	11.81	11.016	QD-1	23	.924	3 1/4	2 3/4	1 57/64	-	6	24.5
H120E24	E	7/8 - 3 1/2	12.29	11.492	QD-1	24	.924	3 1/4	2 3/4	1 57/64	-	6	26.6
H120E25	E	7/8 - 3 1/2	12.77	11.968	QD-1	25	.924	3 1/4	2 3/4	1 57/64	-	6	28.8
H120E26	E	7/8 - 3 1/2	13.25	12.444	QD-1	26	.924	3 1/4	2 3/4	1 57/64	-	6	31.0
H120E28	E	7/8 - 3 1/2	14.21	13.397	QD-1	28	.924	3 1/4	2 3/4	1 57/64	-	6	35.8
H120E30	E	7/8 - 3 1/2	15.17	14.350	QD-1	30	.924	3 1/4	2 3/4	1 57/64	-	6	41.0
120F32	F	1 - 4	16.13	15.303	QD-2	32	.924	4 3/8	3 3/4	1 3/8	-	6 5/8	52.0
120F35	F	1 - 4	17.57	16.734	QD-2	35	.924	4 3/8	3 3/4	1 3/8	-	6 5/8	61.0
120F36	F	1 - 4	18.05	17.211	QD-2	36	.924	4 3/8	3 3/4	1 3/8	-	6 5/8	64.1
120F40	F	1 - 4	19.96	19.118	QD-2	40	.924	4 3/8	3 3/4	1 3/8	-	6 5/8	77.6
120F42	F	1 - 4	20.92	20.072	QD-2	42	.924	4 3/8	3 3/4	1 3/8	-	6 5/8	84.9
120F45	F	1 - 4	22.35	21.503	QD-2	45	.924	4 3/8	3 3/4	1 3/8	-	6 5/8	96.5
120F48	F	1 - 4	23.79	22.935	QD-2	48	.924	4 3/8	3 3/4	1 3/8	-	6 5/8	109
120F54	F	1 - 4	26.65	25.798	QD-2	54	.924	4 3/8	3 3/4	1 3/8	-	6 5/8	136
120J60	J	1 1/2 - 4 1/2	29.52	28.661	QD-2	60	.924	5 5/16	4 5/8	1 9/16	2 17/64"	7 1/4	171
120J70	J	1 1/2 - 4 1/2	34.30	33.434	QD-2	70	.924	5 5/16	4 5/8	1 9/16	2 17/64	7 1/4	229
120J80	J	1 1/2 - 4 1/2	39.08	38.207	QD-2	80	.924	5 5/16	4 5/8	1 9/16	2 17/64	7 1/4	281

*Bushing mounts with capscrews on "B" side only.



TYPE QD-1



TYPE QD-2

Table No. 2 **Steel Type "A" Plate Sprockets**

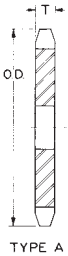
Part No.	Outside Dia.	Pitch Dia.	No. Teeth	Stock Bore	T (Nom.)	Wt. Lbs	Part No.	Outside Dia.	Pitch Dia.	No. Teeth	Stock Bore	T (Nom.)	Wt. Lbs
120A8	4.52"	3.920"	8	1"	.924"	2.8	**120A26**	13.25"	12.444"	26	1"	.924"	29.9
120A9	5.02	4.386	9	1	.924	3.5	**120A27**	13.73	12.921	27	1	.924	32.3
120A10	5.52	4.854	10	1	.924	4.4	**120A28**	14.21	13.397	28	1	.924	34.8
120A11	6.01	5.324	11	1	.924	5.3	**120A30**	15.17	14.350	30	1	.924	40.0
120A12	6.50	5.796	12	1	.924	6.3	**120A32**	16.13	15.303	32	1	.924	45.3
120A13	6.99	6.268	13	1	.924	7.4	**120A34**	17.09	16.257	34	1	.924	51.2
120A14	7.47	6.741	14	1	.924	8.6	**120A35**	17.57	16.734	35	1	.924	54.3
120A15	7.96	7.215	15	1	.924	9.9	**120A36**	18.05	17.211	36	1	.924	57.4
120A16	8.39	7.689	16	1	.924	11.3	**120A40**	19.96	19.118	40	1 7/16	.924	71.0
120A17	8.88	8.163	17	1	.924	12.8	**120A42**	20.92	20.072	42	1 7/16	.924	80.0
120A18	9.41	8.638	18	1	.924	14.3	**120A45**	22.35	21.503	45	1 1/2	.924	87.0
120A19	9.89	9.113	19	1	.924	15.9	**120A48**	23.79	22.935	48	1 1/2	.924	105
120A20	10.37	9.589	20	1	.924	17.7	**120A54**	26.65	25.798	54	1 1/2	.924	137
120A21	10.85	10.064	21	1	.924	19.5	**120A60**	29.52	28.661	60	1 1/2	.924	164
120A22	11.33	10.450	22	1	.924	21.4	**120A70**	34.30	33.434	70	1 1/2	.924	211
120A23	11.81	11.016	23	1	.924	23.4	**120A80**	39.08	38.207	80	1 1/2	.924	286
120A24	12.29	11.492	24	1	.924	25.5	**120A90**	43.85	42.981	90	1 1/2	.924	350
120A25	12.77	11.968	25	1	.924	27.7							

Standard Keyseats

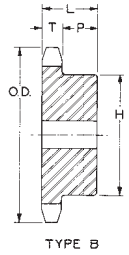
Table No. 3

Bore Range	Keyseat
1/2" — 9/16"	1/8" x 1/16"
5/8 — 7/8	3/16 x 3/32
15/16 — 1 1/4	1/4 x 1/8
1 5/16 — 1 3/8	5/16 x 5/32
1 7/16 — 1 3/4	3/8 x 3/16
1 13/16 — 2 1/4	1/2 x 1/4
2 5/16 — 2 3/4	5/8 x 5/16
2 13/16 — 3 1/4	3/4 x 3/8
3 3/8 — 3 3/4	7/8 x 7/16
3 7/8 — 4 1/2	1 x 1/2
4 5/8 — 5 1/2	1 1/4 x 5/8

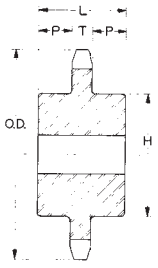
1 3/8" Bore Bushings also available with 3/8" x 3/16" Keyseat.



TYPE A



TYPE B



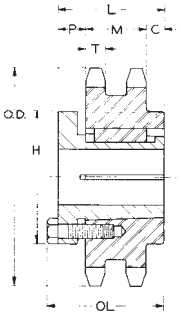
TYPE C

Table No. 1

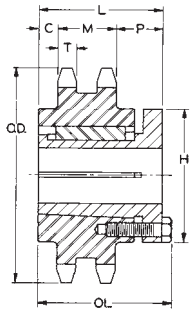
Steel Single Minimum Bore Sprockets

Part No.	DIAMETERS		No. Teeth	Type	BORE		DIMENSIONS				Wt. Lbs.
	Outside	Pitch			Stock	Max. *	T Nom.	L Max.	P	H	
120B9	5.02"	4.386"	9	B	1	1 3/4"	.924"	2 1/4"	1 21/64"	3 31/64"†	7.1
120B10	5.52	4.854	10	B	1	2 1/4	.924	2 1/4	1 21/64	3 61/64†	9.0
120B11	6.01	5.324	11	B	1	2 3/8	.924	2	1 5/64	3 9/16	11.4
120B12	6.50	5.796	12	B	1	2 3/4	.924	2	1 5/64	4 1/8	10.8
120B13	6.99	6.268	13	B	1	3	.924	2 1/4	1 21/64	4 9/16	14.2
120B14	7.47	6.741	14	B	1	3 1/4	.924	2 1/4	1 21/64	4 3/4	15.5
120B15	7.96	7.215	15	B	1	3 1/4	.924	2 1/4	1 21/64	4 3/4	16.8
120B16	8.39	7.689	16	B	1	3 1/2	.924	2 1/4	1 21/64	5 1/4	19.8
120B17	8.88	8.163	17	B	1	3 1/2	.924	2 1/4	1 21/64	5 1/4	21.3
120B18	9.41	8.638	18	B	1	3 1/2	.924	2 1/4	1 21/64	5 1/4	22.9
120B19	9.89	9.113	19	B	1	3 1/2	.924	2 1/4	1 21/64	5 1/4	24.7
120B20	10.37	9.589	20	B	1	3 1/2	.924	2 1/4	1 21/64	5 1/4	26.5
120B21	10.85	10.064	21	B	1	3 1/2	.924	2 1/4	1 21/64	5 1/4	28.4
120B22	11.33	10.540	22	B	1	3 1/2	.924	2 1/4	1 21/64	5 1/4	30.4
120B23	11.81	11.016	23	B	1	3 1/2	.924	2 1/4	1 21/64	5 1/4	32.5
120B24	12.29	11.492	24	B	1	3 1/2	.924	2 1/4	1 21/64	5 1/4	34.7
120B25	12.77	11.968	25	B	1	3 1/2	.924	2 1/4	1 21/64	5 1/4	37.0
120B26	13.25	12.444	26	B	1	4	.924	2 7/16	1 33/64	6	43.4
120B28	14.21	13.397	28	B	1	4	.924	2 7/16	1 33/64	6	48.4
120B30	15.17	14.350	30	B	1	4	.924	2 7/16	1 33/64	6	53.9
120B32	16.13	15.303	32	B	1	4	.924	2 7/16	1 33/64	6	59.7
120B35	17.57	16.734	35	B	1	4	.924	2 7/16	1 33/64	6	69.1
120B36	18.05	17.211	36	B	1	4	.924	2 7/16	1 33/64	6	72.4
120C40	19.96	19.118	40	C	1 7/16	4 1/2	.924	3	1 1/32	6 5/8	93.9
120C42	20.92	20.072	42	C	1 7/16	4 1/2	.924	3	1 1/32	6 5/8	102
120C45	22.35	21.503	45	C	1 7/16	4 1/2	.924	3 1/16	1 1/16	6 5/8	114
120C48	23.79	22.935	48	C	1 1/2	4 1/2	.924	3 1/16	1 1/16	6 5/8	127
120C54	26.65	25.798	54	C	1 1/2	4 1/2	.924	3 1/16	1 1/16	6 5/8	156
120C60	29.52	28.661	60	C	1 1/2	5 3/8	.924	3 1/16	1 1/16	7 5/8	195
120C70	34.30	33.434	70	C	1 1/2	5 3/8	.924	3 1/16	1 1/16	7 5/8	256
120C80	39.08	38.207	80	C	1 1/2	5 3/8	.924	3 1/16	1 1/16	7 5/8	326

*** Maximum bores shown will accommodate standard keyway and setscrew over keyway. Slightly larger bores are possible with no keyway, shallow keyway or setscrew at angle to keyway.**
† Hub is recessed for chain clearance
These sprockets are furnished with minimum bore and no keyway. They can be rebored to size, keywayed and setscrewed for a reasonable extra charge.



TYPE 15

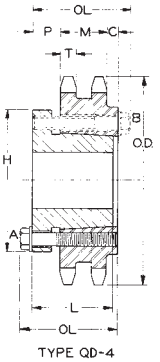


TYPE 18

Table No. 2

Steel Double Sprockets with Browning Split Taper® Bushings

Part No.	Bushing	Bore Range	DIAMETERS		Type	No. Teeth	DIMENSIONS							Wt. Less Bushing
			Outside	Pitch			T	M	OL	L	P	C	H	
D120S30	S1	1 11/16 - 4 1/4"	15.17"	14.350"	15	30	.894"	2.683"	4 3/4"	4 3/8"	1 1/16"	5/8"	6 3/8"	105
D120S35	S1	1 11/16 - 4 1/4	17.57	16.734	15	35	.894	2.683	4 3/4	4 3/4	1 1/16	5/8	6 3/8	148
D120S45	S2	1 7/8 - 4 3/16	22.35	21.503	18	45	.894	2.683	7 1/8	6 3/4	2 7/32	1 27/32	6 3/8	268
D120U60	U0	2 3/8 - 5 1/2	29.52	28.661	15	60	.894	2.683	5 23/32	5 1/4	19/32	1 9/32	8 3/8	183



TYPE QD-4

Table No. 3

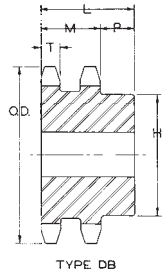
Steel Double Sprockets with Q-D® Bushings

Part No.	Bushing	Bore Range	DIMENSIONS		Type	No. Teeth	DIMENSIONS							Wt. Less Bushing
			Outside	Pitch			T	M	OL	L	P	C	H	
D120J30	J	1 1/2 - 4 1/2"	15.17"	14.350"	QD-4	30	.894"	2.683"	5 5/16"	4 5/8"	1 13/32"	21/32"	7 1/4"	103
D120J35	J	1 1/2 - 4 1/2	17.57	16.734	QD-4	35	.894	2.683	5 5/16	4 5/8	1 13/32	21/32	7 1/4	145
D120J45	J	1 1/2 - 4 1/2	22.35	21.502	QD-4	45	.894	2.683	5 5/16	4 5/8	1 13/32	21/32	7 1/4	251

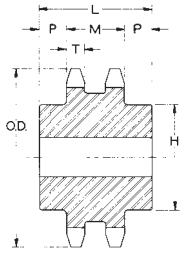
Sprockets for No. 120, 1 1/2" Pitch ANSI Chain

Table No. 1 **Steel Minimum Bore Double Sprockets**

Part No.	DIAMETERS		No. Teeth	Type	BORE		DIMENSIONS					Wt. Lbs
	Outside	Pitch			Stock	Max.*	T	M	L Max.	P	H	
D120B11	6.01"	5.324"	11	DB	1 1/2"	2 3/8"	.894"	2.683"	3 3/4"	1 1/16"	3 9/16"	13.7
D120B12	6.50	5.796	12	DB	1 1/2	2 3/4	.894	2.683	3 3/4	1 1/16	4 1/16	17.4
D120B13	6.99	6.268	13	DB	1 1/2	3	.894	2.683	3 3/4	1 1/16	4 9/16	21.6
D120B14	7.47	6.741	14	DB	1 1/2	3 5/16	.894	2.683	3 3/4	1 1/16	5	25.8
D120B15	7.96	7.215	15	DB	1 1/2	3 3/4	.894	2.683	3 3/4	1 1/16	5 1/2	31.0
D120B16	8.39	7.689	16	DB	1 1/2	3 3/4	.894	2.683	3 3/4	1 1/16	5 1/2	34.6
D120B17	8.88	8.163	17	DB	1 1/2	3 3/4	.894	2.683	3 3/4	1 1/16	5 1/2	38.2
D120B18	9.41	8.638	18	DB	1 1/2	3 3/4	.894	2.683	3 3/4	1 1/16	5 3/4	44.6
D120B19	9.89	9.113	19	DB	1 1/2	3 3/4	.894	2.683	3 3/4	1 1/16	5 3/4	49.0
D120B20	10.37	9.589	20	DB	1 1/2	3 3/4	.894	2.683	3 3/4	1 1/16	5 3/4	55.0
D120B21	10.85	10.064	21	DB	1 1/2	3 3/4	.894	2.683	3 3/4	1 1/16	5 3/4	60.3
D120B22	11.33	10.540	22	DB	1 1/2	3 3/4	.894	2.683	4	1 5/16	5 3/4	67.6
D120B23	11.81	11.016	23	DB	1 1/2	4 1/2	.894	2.683	4	1 5/16	6 1/2	76.1
D120B24	12.29	11.492	24	DB	1 1/2	4 1/2	.894	2.683	4	1 5/16	6 1/2	82.2
D120B25	12.77	11.968	25	DB	1 1/2	4 1/2	.894	2.683	4	1 5/16	6 1/2	88.6
D120B26	13.25	12.444	26	DB	1 1/2	4 1/2	.894	2.683	4	1 5/16	6 1/2	95.2
D120B30	15.17	14.350	30	DB	1 1/2	4 1/2	.894	2.683	4	1 5/16	6 1/2	124
D120C35	17.57	16.734	35	DC	1 1/2	5 3/8	.894	2.683	6	1 21/32	7 1/2	195
D120C45	22.35	21.503	45	DC	1 1/2	5 3/8	.894	2.683	6	1 21/32	7 1/2	301
D120C60	29.52	28.661	60	DC	1 1/2	5 3/8	.894	2.683	6	1 21/32	9 1/2	361



TYPE DB



TYPE DC

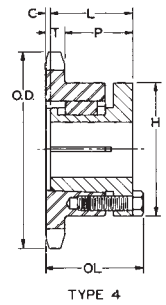
*** Maximum bores shown will accommodate standard keyway and setscrew over keyway. Slightly larger bores are possible with no keyway, shallow keyway or setscrew at angle to keyway.**
These sprockets are furnished with minimum bore and no keyway. They can be rebored to size, keywayed and setscrewed for a reasonable extra charge.

Sprockets for No. 140, 1 3/4" Pitch ANSI Chain

Table No. 2 **Steel Single Sprockets with Browning Split Taper® Bushings**

Part No.	Bushing	Bore Range	DIAMETERS		No. Teeth	Type	DIMENSIONS						Wt. Less Bushing
			Outside	Pitch			T Nom.	OL	L	P	C	H	
H140Q11	Q1	3/4 - 2 11/16"	7.01"	6.212"	11	4	.924"	2 25/32"	2 1/2"	1 9/16"	0	4 1/8"	6.4
H140Q12	Q1	3/4 - 2 11/16	7.58	6.762	12	4	.924	2 25/32	2 1/2	1 9/16	0	4 1/8	9.0
H140R13	R1	1 1/8 - 3 3/4	8.15	7.313	13	4	.924	3 5/32	2 7/8	1 15/16	0	5 3/8	11.1
H140R14	R1	1 1/8 - 3 3/4	8.72	7.864	14	4	.924	3 5/32	2 7/8	1 15/16	0	5 3/8	12.6
H140R15	R1	1 1/8 - 3 3/4	9.28	8.417	15	4	.924	3 5/32	2 7/8	1 15/16	0	5 3/8	14.7
H140R16	R1	1 1/8 - 3 3/4	9.85	8.970	16	4	.924	3 5/32	2 7/8	1 15/16	0	5 3/8	16.5
H140R17	R1	1 1/8 - 3 3/4	10.41	9.524	17	4	.924	3 5/32	2 7/8	1 15/16	0	5 3/8	18.5
H140R18	R1	1 1/8 - 3 3/4	10.97	10.078	18	4	.924	3 5/32	2 7/8	1 15/16	0	5 3/8	20.5
H140R19	R1	1 1/8 - 3 3/4	11.54	10.632	19	4	.924	3 5/32	2 7/8	1 15/16	0	5 3/8	23.0
H140R20	R1	1 1/8 - 3 3/4	12.10	11.187	20	4	.924	3 5/32	2 7/8	1 15/16	0	5 3/8	25.4
H140R21	R1	1 1/8 - 3 3/4	12.66	11.742	21	4	.924	3 5/32	2 7/8	1 15/16	0	5 3/8	27.8
H140R22	R1	1 1/8 - 3 3/4	13.22	12.297	22	5	.924	3 5/32	2 7/8	7/8	1 1/16	5 3/8	32.5
H140R23	R1	1 1/8 - 3 3/4	13.78	12.852	23	5	.924	3 5/32	2 7/8	7/8	1 1/16	5 3/8	36.0
H140R24	R1	1 1/8 - 3 3/4	14.34	13.407	24	5	.924	3 5/32	2 7/8	7/8	1 1/16	5 3/8	37.6
H140R25	R1	1 1/8 - 3 3/4	14.90	13.963	25	5	.924	3 5/32	2 7/8	7/8	1 1/16	5 3/8	40.3
H140R26	R1	1 1/8 - 3 3/4	15.46	14.518	26	5	.924	3 5/32	2 7/8	7/8	1 1/16	5 3/8	44.0
H140R30	R2	1 3/8 - 3 5/8	17.70	16.742	30	6	.924	5 5/32	4 7/8	7/8	2	5 3/8	68.0
140R35	R2	1 3/8 - 3 5/8	20.49	19.523	35	6	.924	5 5/32	4 7/8	7/8	2	5 3/8	88.0
140R36	R2	1 3/8 - 3 5/8	21.05	20.079	36	6	.924	5 5/32	4 7/8	7/8	2	5 3/8	90.0
140S36	S1	1 11/16 - 4 1/4	21.05	20.079	36	5	.924	4 3/4	4 3/8	1 1/16	2 3/8	6 3/8	89.0
140R40	R2	1 3/8 - 3 5/8	23.29	22.305	40	6	.924	5 5/32	4 7/8	7/8	2	5 3/8	109
140S40	S1	1 11/16 - 4 1/4	23.29	22.305	40	5	.924	4 3/4	4 3/8	1 1/16	2 3/8	6 3/8	107
140S45	S1	1 11/16 - 4 1/4	26.08	25.087	45	5	.924	4 3/4	4 3/8	1 1/16	2 3/8	6 3/8	132
140S48	S2	1 7/8 - 4 3/16	27.75	26.757	48	6	.924	7 1/2	6 3/4	2 15/16	2 7/8	6 3/8	169
140S54	S2	1 7/8 - 4 3/16	31.10	30.097	54	6	.924	7 1/2	6 3/4	2 15/16	2 7/8	6 3/8	208
140S60	S2	1 7/8 - 4 3/16	34.44	33.438	60	6	.924	7 1/2	6 3/4	2 15/16	2 7/8	6 3/8	230
140S70	S2	1 7/8 - 4 3/16	40.02	39.006	70	6	.924	7 1/2	6 3/4	2 15/16	2 7/8	6 3/8	311
140S80	S2	1 7/8 - 4 3/16	45.59	44.575	80	6	.924	7 1/2	6 3/4	2 15/16	2 7/8	6 3/8	242

HARDENED TEETH



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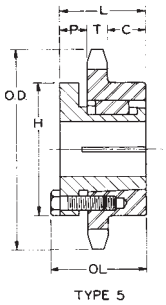

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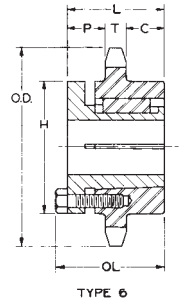

TYPE 6

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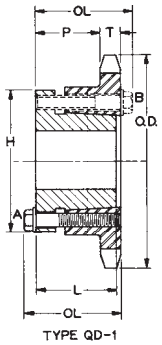
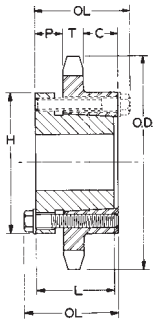


TYPE QD-1



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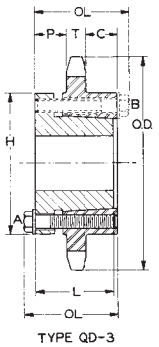


TYPE QD-3

Table No. 1 **Steel Single Sprockets with Q-D® Bushings**

Part No.	Bushing	Bore Range	DIAMETERS		Type	No. Teeth	DIMENSIONS						Wt. Less Bushing
			Outside	Pitch			T Nom.	OL	L	P	C	H	
H140SF11	SF	1/2 - 2 15/16"	7.01"	6.212"	QD-1	11	.924"	2 15/32"	2 1/16"	1 13/64"	-	4 5/8"	6.4
H140SF12	SF	1/2 - 2 15/16	7.58	6.762	QD-1	12	.924	2 15/32	2 1/16	1 13/64	-	4 5/8	8.2
H140SF13	SF	1/2 - 2 15/16	8.15	7.313	QD-1	13	.924	2 15/32	2 1/16	1 13/64	-	4 5/8	9.8
H140E14	E	7/8 - 3 1/2	8.72	7.864	QD-1	14	.924	3 1/4	2 3/4	1 57/64	-	6	12.8
H140E15	E	7/8 - 3 1/2	9.28	8.417	QD-1	15	.924	3 1/4	2 3/4	1 57/64	-	6	14.8
H140E16	E	7/8 - 3 1/2	9.85	8.970	QD-1	16	.924	3 1/4	2 3/4	1 57/64	-	6	16.5
H140E17	E	7/8 - 3 1/2	10.41	9.524	QD-1	17	.924	3 1/4	2 3/4	1 57/64	-	6	18.5
H140E18	E	7/8 - 3 1/2	10.98	10.078	QD-1	18	.924	3 1/4	2 3/4	1 57/64	-	6	20.6
H140E19	E	7/8 - 3 1/2	11.54	10.632	QD-1	19	.924	3 1/4	2 3/4	1 57/64	-	6	22.9
H140E20	E	7/8 - 3 1/2	12.10	11.187	QD-1	20	.924	3 1/4	2 3/4	1 57/64	-	6	25.2
H140F23	F	1 - 4	13.78	12.852	QD-1	23	.924	4 3/8	3 3/4	2 61/64	-	6 5/8	38.6
H140F24	F	1 - 4	14.34	13.407	QD-1	24	.924	4 3/8	3 3/4	2 61/64	-	6 5/8	41.4
H140F25	F	1 - 4	14.90	13.963	QD-1	25	.924	4 3/8	3 3/4	2 61/64	-	6 5/8	44.4
H140F26	F	1 - 4	15.46	14.518	QD-1	26	.924	4 3/8	3 3/4	2 61/64	-	6 5/8	47.5
H140F30	F	1 - 4	17.70	16.742	QD-1	30	.924	4 3/8	3 3/4	2 61/64	1 37/64"	6 5/8	61.0
140F35	F	1 - 4	20.49	19.523	QD-2	35	.924	4 3/8	3 3/4	1 3/8	1 37/64	6 5/8	80.6
140F36	F	1 - 4	21.05	20.079	QD-2	36	.924	4 3/8	3 3/4	1 3/8	1 37/64	6 5/8	84.9
140J40	J	1 1/2 - 4	23.29	22.305	QD-2	40	.924	5 5/16	4 5/8	1 9/16	2 17/64	7 1/4	108
140J45	J	1 1/2 - 4	26.08	25.087	QD-2	45	.924	5 5/16	4 5/8	1 9/16	2 17/64	7 1/4	134
140J48	J	1 1/2 - 4	27.75	26.757	QD-2	48	.924	5 5/16	4 5/8	1 9/16	2 17/64	7 1/4	151
140J60	J	1 1/2 - 4	34.44	33.438	QD-2	60	.924	5 5/16	4 5/8	1 9/16	2 17/64	7 1/4	214

HARDENED TEETH

Standard Keyseats

Table No. 2

Bore Range	Keyseat
1/2" — 9/16"	1/8" X 1/16"
5/8 — 7/8	3/16 X 3/32
15/16 — 1 1/4	1/4 X 1/8
1 5/16 — 1 3/8	5/16 X 5/32
1 7/16 — 1 3/4	3/8 X 3/16
1 13/16 — 2 1/4	1/2 x 1/4
2 5/16 — 2 3/4	5/8 x 5/16
2 13/16 — 3 1/4	3/4 x 3/8
3 3/8 — 3 3/4	7/8 x 7/16
3 7/8 — 4 1/2	1 x 1/2
4 5/8 — 5 1/2	1 1/4 x 5/8

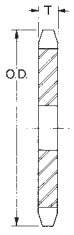
1 3/8" Bore Bushings also available with 3/8" x 3/16" Keyseat.

H

Sprockets for No. 140, 1 3/4" Pitch ANSI Chain

Table No. 1 — **Type "A" Steel Plate Sprockets**

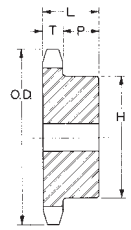
Part No.	Outside Dia.	Pitch Dia.	No. Teeth	Stock Bore	T (Nom.)	Wt. Lbs.	Part No.	Outside Dia.	Pitch Dia.	No. Teeth	Stock Bore	T (Nom.)	Wt. Lbs.
140A11	7.01"	6.212"	11	1 7/16"	.924"	7.1	**140A26**	15.46"	14.518"	26	1 1/2"	.924"	40.6
140A12	7.58	6.672	12	1 7/16	.924	8.3	**140A27**	16.02	15.074	27	1 1/2	.924	45.3
140A13	8.15	7.313	13	1 1/2	.924	8.8	**140A28**	16.58	15.630	28	1 1/2	.924	47.1
140A14	8.72	7.864	14	1 1/2	.924	10.6	**140A30**	17.70	16.742	30	1 1/2	.924	54.0
140A15	9.28	8.917	15	1 1/2	.924	12.1	**140A31**	18.26	17.298	31	1 1/2	.924	57.0
140A16	9.85	8.970	16	1 1/2	.924	14.5	**140A32**	18.82	17.854	32	1 1/2	.924	60.5
140A17	10.41	9.524	17	1 1/2	.924	16.4	**140A35**	20.49	19.523	35	1 1/2	.924	74.0
140A18	10.97	10.078	18	1 1/2	.924	18.4	**140A36**	21.05	20.079	36	1 1/2	.924	75.0
140A19	11.54	10.632	19	1 1/2	.924	20.5	**140A40**	23.29	22.305	40	1 1/2	.924	97.0
140A20	12.10	11.187	20	1 1/2	.924	23.8	**140A45**	26.08	25.087	45	1 1/2	.924	124
140A21	12.66	11.742	21	1 1/2	.924	25.7	**140A48**	27.75	26.757	48	1 1/2	.924	141
140A22	13.22	12.297	22	1 1/2	.924	28.3	**140A54**	31.10	30.097	54	1 1/2	.924	185
140A23	13.78	12.852	23	1 1/2	.924	32.1	**140A60**	34.44	33.438	60	1 1/2	.924	225
140A24	14.34	13.407	24	1 1/2	.924	35.3	**140A70**	40.02	39.006	70	1 1/2	.924	305
140A25	14.90	13.963	25	1 1/2	.924	37.6	**140A80**	45.59	44.575	80	1 1/2	.924	370



TYPE A

Table No. 2 — **Steel Minimum Bore Single Sprockets**

Part No.	DIAMETERS		No. Teeth	Type	BORE		DIMENSIONS				Wt. Lbs.
	Outside	Pitch			Stock	Max.*	T Nom.	L Max.	P	H	
140B11	7.01"	6.212"	11	B	1 7/16"	2 3/4"	.924"	2 1/4"	1 21/64"	4 1/4"	12.2
140B12	7.58	6.762	12	B	1 7/16	3 1/4	.924	2 1/4	1 21/64	4 3/4	15.0
140B13	8.15	7.313	13	B	1 1/2	3 3/4	.924	2 3/8	1 29/64	5 1/2	19.5
140B14	8.72	7.864	14	B	1 1/2	3 3/4	.924	2 3/8	1 29/64	5 1/2	21.3
140B15	9.28	8.417	15	B	1 1/2	4 1/4	.924	2 3/8	1 29/64	6 1/4	26.0
140B16	9.85	8.970	16	B	1 1/2	4 1/4	.924	2 1/2	1 37/64	6 1/4	29.0
140B17	10.41	9.524	17	B	1 1/2	4 1/4	.924	2 1/2	1 37/64	6 1/4	31.1
140B18	10.98	10.078	18	B	1 1/2	4 1/4	.924	2 1/2	1 37/64	6 1/4	33.3
140B19	11.54	10.632	19	B	1 1/2	4 1/4	.924	2 1/2	1 37/64	6 1/4	35.6
140B20	12.10	11.187	20	B	1 1/2	4 1/4	.924	2 1/2	1 37/64	6 1/4	38.1
140B21	12.66	11.742	21	B	1 1/2	4 1/4	.924	2 1/2	1 37/64	6 1/4	40.7
140B22	13.22	12.297	22	B	1 1/2	4 1/4	.924	2 1/2	1 37/64	6 1/4	43.5
140B23	13.78	12.852	23		1 1/2	4 1/4	.924	2 1/2	1 37/64	6 1/4	46.4
140B24	14.34	13.407	24	B	1 1/2	4 1/4	.924	2 1/2	1 37/64	6 1/4	49.3
140B25	14.90	13.963	25	B	1 1/2	4 1/4	.924	2 1/2	1 37/64	6 1/4	52.5
140B26	15.46	14.518	26	B	1 1/2	4 1/4	.924	2 1/2	1 37/64	6 1/4	55.7
140B27	16.02	15.074	27	B	1 1/2	4 3/8	.924	2 1/2	1 37/64	6 3/8	59.7
140B28	16.58	15.630	28	B	1 1/2	4 3/8	.924	2 1/2	1 37/64	6 3/8	63.2
140B30	17.70	16.742	30	B	1 1/2	4 3/8	.924	2 1/2	1 37/64	6 3/8	70.6
140B32	18.82	17.854	32	B	1 1/2	4 3/8	.924	2 1/2	1 37/64	6 3/8	78.5
140C35	20.49	19.523	35	C	1 1/2	5 1/4	.924	4	1 17/32	7	110
140C40	23.29	22.305	40	C	1 1/2	5 3/8	.924	4	1 17/32	7 1/2	139
140C45	26.08	25.087	45	C	1 1/2	5 3/8	.924	4	1 17/32	7 1/2	166
140C48	27.75	26.757	48	C	1 1/2	5 3/8	.924	4	1 17/32	7 1/2	184
140C54	31.10	30.097	54	C	1 1/2	5 3/8	.924	4	1 17/32	7 1/2	223
140C60	34.44	33.438	60	C	1 1/2	5 1/2	.924	4 1/2	1 25/32	8	278
140C70	40.02	39.006	70	C	1 1/2	5 1/2	.924	4 1/2	1 25/32	8	361
140C80	45.59	44.575	80	C	1 1/2	5 1/2	.924	4 1/2	1 25/32	8	457



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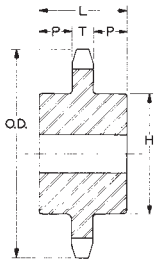


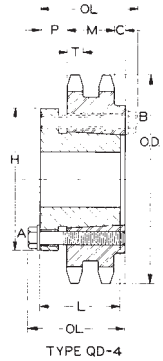
TYPE C

*** Maximum bores shown will accommodate standard keyway and setscrew over keyway. Slightly larger bores are possible with no keyway, shallow keyway or setscrew at angle to keyway.**
These sprockets are furnished with minimum bore and no keyway. They can be rebored to size, keywayed and setscrewed for a reasonable extra charge.

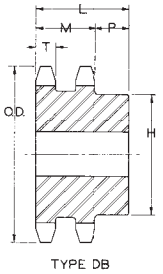
Table No. 3 — **Steel Double Sprockets with Q-D® Bushings**

Part No.	Bushing	Bore Range	DIAMETERS		Type	No. Teeth	DIMENSIONS							Wt. Less Bushing
			Outside	Pitch			T	M	OL	L	P	C	H	
D140J35	J	1 1/2 - 4 1/2"	20.49"	19.523"	QD-4	35	.894"	2.818"	7 15/32"	4 5/8"	1 11/32"	19/32"	7 1/4"	169
D140J45	J	1 1/2 - 4 1/2	26.08	25.087	QD-4	45	.894	2.818	7 15/32	4 5/8	1 11/32	19/32	7 1/4	288
D140M60	M*	2 - 5 1/2	34.44	33.438	QD-4	60	.894	2.818	7 15/32	6 3/4	1 11/32	1 19/32	9	370

***Bushing mounts with capscrews on "B" side only.**



TYPE QD-4



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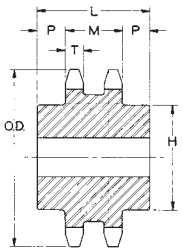

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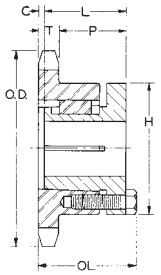
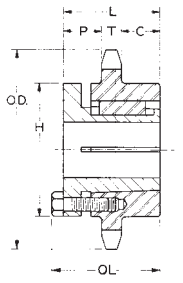


TYPE 4



TYPE 6

Table No. 1 Steel Minimum Bore Double Sprockets

Part No.	DIAMETERS		No. Teeth	Type	BORE		DIMENSIONS					Wt. Lbs.
	Outside	Pitch			Stock	Max.*	T	M	L Max.	P	H	
D140B13	8.15"	7.313"	13	DB	1 1/2"	2 15/16"	.894"	2.818"	3 3/4"	15/16"	5"	31.0
D140B14	8.72	7.864	14	DB	1 1/2	3 3/8	.894	2.818	3 3/4	15/16	5 1/2	36.9
D140B15	9.28	8.417	15	DB	1 1/2	4 3/8	.894	2.818	3 3/4	15/16	6 1/2	44.6
D140B16	9.85	8.970	16	DB	1 1/2	4 3/4	.894	2.818	4	1 3/16	7	55.1
D140B17	10.41	9.524	17	DB	1 1/2	4 3/4	.894	2.818	4	1 3/16	7 1/4	61.0
D140B18	10.98	10.078	18	DB	1 1/2	4 3/4	.894	2.818	4	1 3/16	7 1/4	67.4
D140B19	11.54	10.632	19	DB	1 1/2	4 3/4	.894	2.818	4	1 3/16	7 1/4	74.1
D140B20	12.10	11.187	20	DB	1 1/2	4 3/4	.894	2.818	4	1 3/16	7 1/4	81.2
D140B21	12.66	11.742	21	DB	1 1/2	4 3/4	.894	2.818	4	1 3/16	7 1/4	88.7
D140B22	13.22	12.297	22	DB	1 1/2	4 3/4	.894	2.818	4	1 3/16	7 1/4	96.6
D140B23	13.78	12.852	23	DB	1 1/2	4 3/4	.894	2.818	4	1 3/16	7 1/4	105
D140B24	14.34	13.407	24	DB	1 1/2	4 3/4	.894	2.818	4	1 3/16	7 1/4	114
D140B25	14.90	13.963	25	DB	1 1/2	4 3/4	.894	2.818	4	1 3/16	7 1/4	123
D140B26	15.46	14.518	26	DB	1 1/2	4 3/4	.894	2.818	4	1 3/16	7 1/4	132
D140C35	20.49	19.523	35	DC	1 1/2	5	.894	2.818	6	1 19/32	7 1/2	260
D140C45	26.08	25.087	45	DC	1 1/2	5	.894	2.818	6	1 19/32	7 1/2	410
D140C60	34.44	33.438	60	DC	1 1/2	6 7/16	.894	2.818	6 1/4	1 19/32	9 3/8	410

*** Maximum bores shown will accommodate standard keyway and setscrew over keyway. Slightly larger bores are possible with no keyway, shallow keyway or setscrew at angle to keyway.**
These sprockets are furnished with minimum bore and no keyway. They can be rebored to size, keywayed and setscrewed for a reasonable extra charge.

Sprockets for No. 160, 2" Pitch ANSI Chain

Table No. 2 Steel Single Sprockets with Browning Split Taper® Bushings

	Part No.	Bushing	Bore Range	DIAMETERS		No. Teeth	Type	DIMENSIONS						Wt. Less Bushing
				Outside	Pitch			T Nom.	OL	L	P	C	H	
↑	**H160R11**	R1	1 1/8 - 3 3/4"	8.01"	7.099"	11	4	1.156"	3 13/32"	2 7/8"	1 31/32"	1/4"	5 3/8"	10.8
	H160R12	R1	1 1/8 - 3 3/4	8.66	7.727	12	4	1.156	3 9/64	2 7/8	1 3/4	1/16	5 3/8	14.2
	H160R13	R1	1 1/8 - 3 3/4	9.31	8.357	13	4	1.156	3 9/64	2 7/8	1 3/4	1/16	5 3/8	15.5
	H160R14	R1	1 1/8 - 3 3/4	9.96	8.988	14	4	1.156	3 9/64	2 7/8	1 3/4	1/16	5 3/8	18.5
	H160R15	R1	1 1/8 - 3 3/4	10.61	9.620	15	4	1.156	3 9/64	2 7/8	1 3/4	1/16	5 3/8	21.6
	H160R16	R1	1 1/8 - 3 3/4	11.25	10.252	16	4	1.156	3 9/64	2 7/8	1 3/4	1/16	5 3/8	25.0
	H160R17	R1	1 1/8 - 3 3/4	11.90	10.882	17	4	1.156	3 9/64	2 7/8	1 3/4	1/16	5 3/8	28.0
	H160R18	R1	1 1/8 - 3 3/4	12.54	11.518	18	4	1.156	3 9/64	2 7/8	1 3/4	1/16	5 3/8	31.9
	H160R19	R1	1 1/8 - 3 3/4	13.19	12.151	19	4	1.156	3 9/64	2 7/8	1 3/4	1/16	5 3/8	35.9
	H160R20	R2	1 3/8 - 3 5/8	13.83	12.785	20	6	1.156	5 5/32	4 7/8	1 23/32	2	5 3/8	51.0
	H160R21	R2	1 3/8 - 3 5/8	14.47	13.419	21	6	1.156	5 5/32	4 7/8	1 23/32	2	5 3/8	56.0
	H160R22	R2	1 3/8 - 3 5/8	15.11	14.053	22	6	1.156	5 5/32	4 7/8	1 23/32	2	5 3/8	60.0
	H160R23	R2	1 3/8 - 3 5/8	15.75	14.688	23	6	1.156	5 5/32	4 7/8	1 23/32	2	5 3/8	65.0
	H160R24	R2	1 3/8 - 3 5/8	16.39	15.323	24	6	1.156	5 5/32	4 7/8	1 23/32	2	5 3/8	71.5
	H160R25	R2	1 3/8 - 3 5/8	17.03	15.958	25	6	1.156	5 5/32	4 7/8	1 23/32	2	5 3/8	74.0
	H160R26	R2	1 3/8 - 3 5/8	17.67	16.593	26	6	1.156	5 5/32	4 7/8	1 23/32	2	5 3/8	79.0
	H120S26	S2	1 7/8 - 4 3/16	17.67	16.593	26	6	1.156	7 1/8	6 3/4	2 23/32	2 7/8	6 3/8	79.0
	H160R28	R2	1 3/8 - 3 5/8	18.95	17.863	28	6	1.156	5 5/32	4 7/8	1 23/32	2	5 3/8	99.8
	H160S28	S2	1 7/8 - 4 3/16	18.95	17.863	28	6	1.156	7 1/8	6 3/4	2 23/32	2 7/8	6 3/8	99.8
	H160R30	R2	1 3/8 - 3 5/8	20.23	19.134	30	6	1.156	5 5/32	4 7/8	1 23/32	2	5 3/8	106
↓	**H160S30**	S2	1 7/8 - 4 3/16	20.23	19.134	30	6	1.156	7 1/8	6 3/4	2 23/32	2 7/8	6 3/8	115
	160S35	S2	1 7/8 - 4 3/16	23.42	22.312	35	6	1.156	7 1/8	6 3/4	2 23/32	2 7/8	6 3/8	150
	160S40	S2	1 7/8 - 4 3/16	26.61	25.491	40	6	1.156	7 1/8	6 3/4	2 23/32	2 7/8	6 3/8	165
	160S45	S2	1 7/8 - 4 3/16	29.80	28.671	45	6	1.156	7 1/8	6 3/4	2 23/32	2 7/8	6 3/8	204
	160U60	U0	2 3/8 - 5 1/2	39.36	38.215	60	6	1.156	5 25/32	5 1/4	1 21/32	1 15/16	8 3/8	354
	160U70	U0	2 3/8 - 5 1/2	45.73	44.578	70	6	1.156	5 25/32	5 1/4	1 21/32	1 15/16	8 3/8	308
	160U80	U1	2 3/8 - 5 1/2	52.10	50.943	80	6	1.156	7 19/32	7 1/8	2 19/32	2 7/8	8 3/8	684

HARDENED TEETH

Where two sprockets with the same number of teeth but different bushings are offered, we suggest using the one with the larger bushing for heavier service drives.

Standard Keyseats

Table No. 3

Bore Range	Keyseat
3/4" — 7/8"	3/16" X 3/32"
15/16 — 1 1/4	1/4 X 1/8
1 5/16 — 1 3/8	5/16 X 5/32
1 7/16 — 1 3/4	3/8 X 3/16
1 13/16 — 2 1/4	1/2 x 1/4
2 5/16 — 2 3/4	5/8 x 5/16
2 13/16 — 3 1/4	3/4 x 3/8
3 3/8 — 3 3/4	7/8 x 7/16
3 7/8 — 4 1/2	1 x 1/2
4 9/16 — 5 1/2	1 1/4 x 5/8

1 3/8" Bore Bushings also available with 3/8" x 3/16" Keyseat.

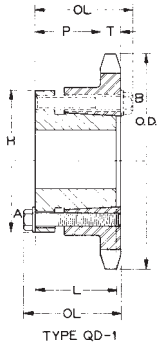
Sprockets for No. 160, 2" Pitch ANSI Chain

Table No. 1 — **Steel Single Sprockets with Q-D® Bushings**

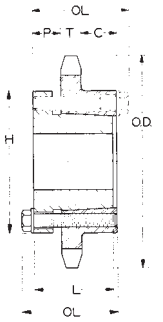
HARDENED TEETH

Part No.	Bushing	Bore Range	DIAMETERS Outside	DIAMETERS Pitch	Type	No. Teeth	DIMENSIONS T Nom.	DIMENSIONS OL	DIMENSIONS L	DIMENSIONS P	DIMENSIONS C	DIMENSIONS H	Wt. Less Bushing
H160E12	E	7/8 - 3 1/2"	8.66"	7.727"	QD-1	12	1.156"	3 1/4"	2 3/4"	1 21/32"	-	6"	13.9
H160E13	E	7/8 - 3 1/2	9.31	8.357	QD-1	13	1.156	3 1/4	2 3/4	1 21/32	-	6	16.3
H160E14	E	7/8 - 3 1/2	9.96	8.988	QD-1	14	1.156	3 1/4	2 3/4	1 21/32	-	6	18.5
H160F15	F	1 -4	10.61	9.620	QD-1	15	1.156	4 3/8	3 3/4	2 23/32	-	6 5/8	26.3
H160F16	F	1 -4	11.26	10.252	QD-1	16	1.156	4 3/8	3 3/4	2 23/32	-	6 5/8	29.3
H160F17	F	1 -4	11.90	10.885	QD-1	17	1.156	4 3/8	3 3/4	2 23/32	-	6 5/8	32.5
H160F18	F	1 -4	12.54	11.518	QD-1	18	1.156	4 3/8	3 3/4	2 23/32	-	6 5/8	35.8
H160F19	F	1 -4	13.19	12.151	QD-1	19	1.156	4 3/8	3 3/4	2 23/32	-	6 5/8	39.4
H160F20	F	1 -4	13.83	12.785	QD-1	20	1.156	4 3/8	3 3/4	2 23/32	-	6 5/8	43.1
H160F21	F	1 -4	14.47	13.419	QD-1	21	1.156	4 3/8	3 3/4	2 23/32	-	6 5/8	47.0
H160F22	F	1 -4	15.11	14.053	QD-1	22	1.156	4 3/8	3 3/4	2 23/32	-	6 5/8	51.2
H160F23	F	1 -4	15.75	14.688	QD-1	23	1.156	4 3/8	3 3/4	2 23/32	-	6 5/8	55.5
H160F24	F	1 -4	16.39	15.323	QD-1	24	1.156	4 3/8	3 3/4	2 23/32	-	6 5/8	60.0
H160F25	F	1 -4	17.03	15.958	QD-1	25	1.156	4 3/8	3 3/4	2 23/32	-	6 5/8	64.7
H160J26	J	1 1/2 - 4 1/2	17.67	16.593	QD-2	26	1.156	5 5/16	4 5/8	1 9/16	2 1/32"	7 1/4	74.2
H160J28	J	1 1/2 - 4 1/2	18.95	17.863	QD-2	28	1.156	5 5/16	4 5/8	1 9/16	2 1/32	7 1/4	84.5
H160J30	J	1 1/2 - 4 1/2	20.23	19.134	QD-2	30	1.156	5 5/16	4 5/8	1 9/16	2 1/32	7 1/4	95.6
160J35	J	1 1/2 - 4 1/2	23.42	22.312	QD-2	35	1.156	5 5/16	4 5/8	1 9/16	2 1/32	7 1/4	127
160M40*	M	2 - 5 1/2	26.61	25.491	QD-3	40	1.156	7 15/32	6 3/4	3 7/32	2 7/16	9	186
160M45*	M	2 - 5 1/2	29.80	28.671	QD-3	45	1.156	7 15/32	6 3/4	3 7/32	2 7/16	9	227
160M54*	M	2 - 5 1/2	35.54	34.397	QD-3	54	1.156	7 15/32	6 3/4	3 7/32	2 7/16	9	295
160M60*	M	2 - 5 1/2	39.36	38.215	QD-3	60	1.156	7 15/32	6 3/4	3 7/32	2 7/16	9	360

***Bushing mounts with capscrews on "B" side only.**



TYPE QD-1



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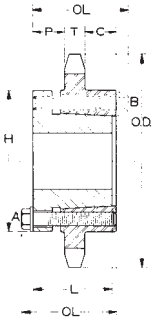


TYPE QD-3

Table No. 2 — **Type "A" Steel Plate Sprockets**

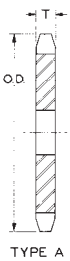
Part No.	Outside Dia.	Pitch Dia.	No. Teeth	Stock Bore	T (Nom.)	Wt. Lbs.	Part No.	Outside Dia.	Pitch Dia.	No. Teeth	Stock Bore	T (Nom.)	Wt. Lbs.
160A8	6.03"	5.226"	8	1 1/2"	1.156"	5.1	**160A23**	15.75"	14.688"	23	1 1/2"	1.156"	51.0
160A9	6.70	5.848	9		1.156	6.8	**160A24**	16.39	15.323	24	1 1/2	1.156	55.5
160A10	7.36	6.472	10	1 1/2	1.156	8.5	**160A25**	17.03	15.958	25	1 1/2	1.156	64.9
160A11	8.01	7.099	11	1 1/2	1.156	10.5	**160A26**	17.67	16.593	26	1 1/2	1.156	66.5
160A12	8.66	7.727	12	1 1/2	1.156	12.6	**160A27**	18.31	17.228	27	1 1/2	1.156	71.0
160A13	9.31	8.357	13	1 1/2	1.156	15.3	**160A28**	18.95	17.863	28	1 1/2	1.156	76.0
160A14	9.96	8.988	14	1 1/2	1.156	17.7	**160A30**	20.23	19.134	30	1 1/2	1.156	88.0
160A15	10.61	9.620	15	1 1/2	1.156	20.7	**160A35**	23.42	22.312	35	1 1/2	1.156	127
160A16	11.25	10.252	16	1 1/2	1.156	23.9	**160A40**	26.61	25.491	40	1 1/2	1.156	155
160A17	11.90	10.885	17	1 1/2	1.156	27.0	**160A45**	29.80	28.671	45	1 1/2	1.156	210
160A18	12.54	11.518	18	1 1/2	1.156	31.3	**160A54**	35.54	34.397	54	1 1/2	1.156	298
160A19	13.19	12.151	19	1 1/2	1.156	34.6	**160A60**	39.36	38.215	60	1 1/2	1.156	368
160A20	13.83	12.785	20	1 1/2	1.156	39.3	**160A70**	45.73	44.578	70	1 1/2	1.156	499
160A21	14.47	13.419	21	1 1/2	1.156	43.1	**160A80**	52.10	50.943	80	1 1/2	1.156	628
160A22	15.11	14.053	22	1 1/2	1.156	48.4							

Standard Keyseats

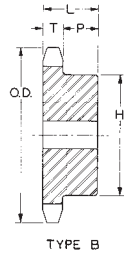
Table No. 3

Bore Range	Keyseat
3/4" — 7/8"	3/16" X 3/32"
15/16 — 1 1/4	1/4 X 1/8
1 5/16 — 1 3/8	5/16 X 5/32
1 7/16 — 1 3/4	3/8 X 3/16
1 13/16 — 2 1/4	1/2 x 1/4
2 5/16 — 2 3/4	5/8 x 5/16
2 13/16 — 3 1/4	3/4 x 3/8
3 3/8 — 3 3/4	7/8 x 7/16
3 7/8 — 4 1/2	1 x 1/2
4 5/8 — 5 1/2	1 1/4 x 5/8
5 5/8 — 6 1/2	1 1/2 x 3/4

1 3/8" Bore Bushings also available with 3/8" x 3/16" Keyseat.



TYPE A



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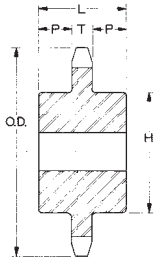

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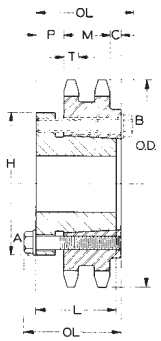
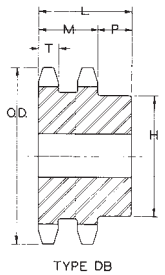
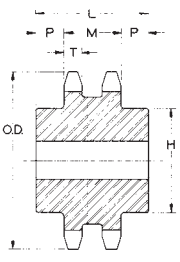


TYPE QD-4



TYPE DB



TYPE DC

Table No. 1 Steel Minimum Bore Single Sprockets

Part No.	DIAMETERS		No. Teeth	Type	BORE		DIMENSIONS				Wt. Lbs.
	Outside	Pitch			Stock	Max.*	T Nom.	L Max.	P	H	
160B8	6.03"	5.226"	8	B	1 1/2"	2 1/4"	1.156"	2 1/4"	1 3/32"	3 1/4"	8.5
160B9	6.70	5.848	9	B	1 1/2	2 3/8	1.156	2 1/4	1 3/32	3 5/8	10.9
160B10	7.36	6.472	10	B	1 1/2	2 3/4	1.156	2 1/4	1 3/32	4 1/8	13.8
160B11	8.01	7.099	11	B	1 1/2	3 1/4	1.156	2 1/2	1 11/32	4 3/4	18.4
160B12	8.66	7.727	12	B	1 1/2	3 3/4	1.156	2 1/2	1 11/32	5 1/2	23.1
160B13	9.31	8.357	13	B	1 1/2	4	1.156	2 5/8	1 15/32	6	28.4
160B14	9.96	8.988	14	B	1 1/2	4 1/2	1.156	2 5/8	1 15/32	6 1/2	33.2
160B15	10.61	9.620	15	B	1 1/2	5 1/4	1.156	2 5/8	1 15/32	7	38.5
160B16	11.25	10.252	16	B	1 1/2	5 1/4	1.156	2 3/4	1 19/32	7	43.0
160B17	11.90	10.885	17	B	1 1/2	5 1/4	1.156	2 3/4	1 19/32	7	46.4
160B18	12.54	11.518	18	B	1 1/2	5 1/4	1.156	2 3/4	1 19/32	7	50.1
160B19	13.19	12.151	19	B	1 1/2	5 1/4	1.156	2 3/4	1 19/32	7	53.9
160B20	13.83	12.785	20	B	1 1/2	5 1/4	1.156	2 3/4	1 19/32	7	58.0
160B21	14.47	13.419	21	B	1 1/2	5 1/4	1.156	2 3/4	1 19/32	7	62.3
160B22	15.11	14.053	22	B	1 1/2	5 1/4	1.156	2 3/4	1 19/32	7 1/8	67.4
160B23	15.75	14.688	23	B	1 1/2	5 1/4	1.156	2 3/4	1 19/32	7 1/8	72.0
160B24	16.39	15.323	24	B	1 1/2	5 1/4	1.156	2 15/16	1 25/32	7 1/8	79.0
160B25	17.03	15.958	25	B	1 1/2	5 1/4	1.156	2 15/16	1 25/32	7 1/8	84.1
160B26	17.67	16.593	26	B	1 1/2	5 1/4	1.156	2 15/16	1 25/32	7 1/8	89.4
160B27	18.31	17.228	27	B	1 1/2	5 1/4	1.156	2 15/16	1 25/32	7 1/8	94.9
160B28	18.95	17.863	28	B	1 1/2	5 1/4	1.156	2 15/16	1 25/32	7 1/8	100.6
160B30	20.23	19.134	30	B	1 1/2	5 1/4	1.156	2 15/16	1 25/32	7 1/8	112.7
160C35	23.42	22.312	35	C	1 1/2	5 1/2	1.156	4 1/4	1 35/64	8	169.8
160C40	26.61	25.491	40	C	1 1/2	5 1/2	1.156	4 1/4	1 35/64	8	208.8
160C45	29.80	28.671	45	C	1 1/2	5 1/2	1.156	4 1/4	1 35/64	8	253.1
160C54	35.54	34.397	54	C	1 1/2	5 1/2	1.156	5	1 59/64	8	356.2
160C60	39.36	38.215	60	C	1 1/2	5 1/2	1.156	5	1 59/64	8	427.4
160C70	45.73	44.578	70	C	1 1/2	5 1/2	1.156	5	1 59/64	8	562.8
160C80	52.10	50.943	80	C	1 1/2	5 1/2	1.156	5 1/2	2 11/64	9	742.3

*** Maximum bores shown will accommodate standard keyway and setscrew over keyway. Slightly larger bores are possible with no keyway, shallow keyway or setscrew at angle to keyway.**
These sprockets are furnished with minimum bore and no keyway. They can be rebored to size, keywayed and setscrewed for a reasonable extra charge.

Table No. 2 Steel Double Sprockets with Q-D® Bushings

Part No.	Bushing	Bore Range	DIAMETERS		Type	No. Teeth	DIMENSIONS							Wt. Less Bushing
			Outside	Pitch			T	M	OL	L	P	C	H	
D160M35*	M	2 - 5 1/2"	23.42"	22.312"	QD-4	35	1.119"	3.424"	7 15/32"	6 3/4"	2 15/64"	1 5/32"	9"	343
D160N45*	N	2 7/16 - 5 7/8	29.80	28.671	QD-4	45	1.119	3.424	9 1/8	8 1/8	2 3/4	2 11/64	10	384
D160N60*	N	2 7/16 - 5 7/8	39.36	38.215	QD-4	60	1.119	3.424	9 1/8	8 1/8	2 3/4	2 11/64	10	570

***Bushing mounts with capscrews on "B" side only.**

Table No. 3 Steel Minimum Bore Double Sprockets

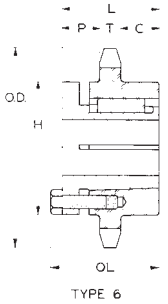
Part No.	DIAMETERS		No. of Teeth	Type	BORE		DIMENSIONS					Wt. (lbs.)
	Outside	Pitch			Stock	Max.*	T	M	L Max.	P	H	
D160B13	9.31	8.357	13	DB	1 1/2	4	1.119	3.424	4 3/4	1 21/64	6	52.7
D160B14	9.96	8.988	14	DB	1 1/2	4 3/4	1.119	3.424	4 3/4	1 21/64	6 3/4	63.2
D160B15	10.61	9.620	15	DB	1 1/2	5 1/4	1.119	3.424	4 3/4	1 21/64	7 3/8	74.0
D160B16	11.26	10.252	16	DB	1 1/2	5 1/4	1.119	3.424	4 3/4	1 21/64	7 3/8	82.9
D160B17	11.90	10.885	17	DB	1 1/2	5 1/4	1.119	3.424	4 3/4	1 21/64	7 3/8	92.4
D160B18	12.54	11.518	18	DB	1 1/2	5 1/4	1.119	3.424	4 3/4	1 21/64	7 3/8	102
D160B19	13.19	12.151	19	DB	1 1/2	5 1/4	1.119	3.424	4 3/4	1 21/64	7 3/8	113
D160B20	13.83	12.785	20	DB	1 1/2	5 7/16	1.119	3.424	4 3/4	1 21/64	7 3/4	126
D160B21	14.47	13.419	21	DB	1 1/2	5 7/16	1.119	3.424	4 3/4	1 21/64	7 3/4	138
D160B22	15.11	14.053	22	DB	1 1/2	5 7/16	1.119	3.424	4 3/4	1 21/64	7 3/4	151
D160B23	15.75	14.688	23	DB	1 1/2	5 7/16	1.119	3.424	4 3/4	1 21/64	7 3/4	164
D160B24	16.39	15.323	24	DB	1 1/2	5 7/16	1.119	3.424	4 3/4	1 21/64	7 3/4	176
D160B25	17.03	15.958	25	DB	1 1/2	5 7/16	1.119	3.424	4 3/4	1 21/64	7 3/4	192
D160B26	17.67	16.593	26	DB	1 1/2	5 7/16	1.119	3.424	4 3/4	1 21/64	7 3/4	207
D160C35	23.42	22.312	35	DC	1 1/2	6 3/4	1.119	3.424	6 5/8	1 19/32	9 3/4	419
D160C45	29.80	28.671	45	DC	1 1/2	7	1.119	3.424	7 1/8	1 27/32	10	458
D160C60	39.36	38.215	60	DC	1 1/2	7	1.119	3.424	7 1/8	1 27/32	10	611

*** Maximum bores shown will accommodate standard keyway and setscrew over keyway. Slightly larger bores are possible with no keyway, shallow keyway or setscrew at angle to keyway.**
These sprockets are furnished with minimum bore and no keyway. They can be rebored to size, keywayed and setscrewed for a reasonable extra charge.

Sprockets for No. 200, 2 1/2" Pitch ANSI Chain

Table No. 1 **Steel Single Sprockets for Browning Split Taper® Bushings**

Part No.	Bushing	Bore Range	DIAMETERS		Type	No. Teeth	DIMENSIONS						Wt. Less Bushing
			Outside	Pitch			T Nom.	OL	L	P	C	H	
200R12	R2	1 3/8 - 3 5/8"	10.83"	9.660"	6	12	1.389"	5 5/32"	4 7/8"	1 1/2"	2"	5 3/8"	35.3
200S13	S2	1 7/8 - 4 3/16	11.64	10.447	6	13	1.389	7 1/8	6 3/4	2 1/2	2 7/8	6 3/8	52.2
200S14	S2	1 7/8 - 4 3/16	12.46	11.235	6	14	1.389	7 1/8	6 3/4	2 1/2	2 7/8	6 3/8	57.5
200S15	S2	1 7/8 - 4 3/16	13.26	12.025	6	15	1.389	7 1/8	6 3/4	2 1/2	2 7/8	6 3/8	61.0
200S16	S2	1 7/8 - 4 3/16	14.07	12.815	6	16	1.389	7 1/8	6 3/4	2 1/2	2 7/8	6 3/8	71.0
200S17	S2	1 7/8 - 4 3/16	14.87	13.605	6	17	1.389	7 1/8	6 3/4	2 1/2	2 7/8	6 3/8	79.0
200U18	U0	2 3/8 - 5 1/2	15.68	14.397	6	18	1.389	5 23/32	5 1/4	2 17/32	1 5/8	8 3/8	76.5
200U19	U0	2 3/8 - 5 1/2	16.48	15.190	6	19	1.389	5 23/32	5 1/4	2 17/32	1 5/8	8 3/8	83.7
200U20	U0	2 3/8 - 5 1/2	17.29	15.982	6	20	1.389	5 23/32	5 1/4	2 17/32	1 5/8	8 3/8	91.3
200U21	U0	2 3/8 - 5 1/2	18.09	16.775	6	21	1.389	5 23/32	5 1/4	2 17/32	1 5/8	8 3/8	99.4
200U22	U0	2 3/8 - 5 1/2	18.89	17.567	6	22	1.389	5 23/32	5 1/4	2 17/32	1 5/8	8 3/8	110
200U23	U0	2 3/8 - 5 1/2	19.69	18.360	6	23	1.389	5 23/32	5 1/4	2 17/32	1 5/8	8 3/8	117
200U24	U0	2 3/8 - 5 1/2	20.49	19.152	6	24	1.389	5 23/32	5 1/4	2 17/32	1 5/8	8 3/8	126
200U25	U0	2 3/8 - 5 1/2	21.29	19.947	6	25	1.389	5 23/32	5 1/4	2 17/32	1 5/8	8 3/8	140
200U26	U0	2 3/8 - 5 1/2	22.09	20.740	6	26	1.389	5 23/32	5 1/4	2 17/32	1 5/8	8 3/8	150
200U28	U0	2 3/8 - 5 1/2	23.69	22.330	6	28	1.389	5 23/32	5 1/4	2 17/32	1 5/8	8 3/8	169
200U30	U0	2 3/8 - 5 1/2	25.29	23.917	6	30	1.389	5 23/32	5 1/4	2 17/32	1 5/8	8 3/8	188
200U32	U0	2 3/8 - 5 1/2	26.88	25.505	6	32	1.389	5 23/32	5 1/4	2 17/32	1 5/8	8 3/8	212
200U35	U1	2 3/8 - 5 1/2	29.28	27.890	6	35	1.389	7 19/32	7 1/8	2 7/8	2 7/8	8 3/8	252
200U40	U1	2 3/8 - 5 1/2	33.27	31.865	6	40	1.389	7 19/32	7 1/8	2 7/8	2 7/8	8 3/8	306
200U45	U1	2 3/8 - 5 1/2	37.25	35.840	6	45	1.389	7 19/32	7 1/8	2 7/8	2 7/8	8 3/8	290
200U54	U2	2 7/16 - 5	44.42	42.995	6	54	1.389	10 19/32	10 1/8	3 29/32	4 1/4	8 3/8	385
200U60	U2	2 7/16 - 5	49.20	47.767	6	60	1.389	10 19/32	10 1/8	3 29/32	4 1/4	8 3/8	445

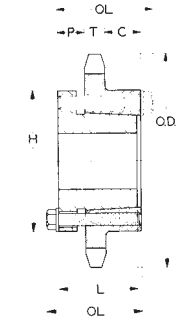


TYPE 6

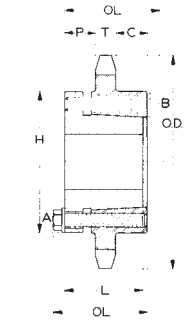
Table No. 2 **Steel Single Sprockets with Q-D® Bushings**

Part No.	Bushing	Bore Range	DIAMETERS		Type	No. Teeth	DIMENSIONS						Wt. Less Bushing
			Outside	Pitch			T Nom.	OL	L	P	C	H	
200F12	F	1 - 4"	10.83"	9.660"	QD-2	12	1.389"	4 3/8"	3 3/4"	1 3/8"	1 7/64"	6 5/8"	29.9
200J13	J	1 1/2 - 4 1/2	11.64	10.447	QD-2	13	1.389	7 1/4	4 5/8	1 9/16	1 51/64	7 1/4	38.9
200J14	J	1 1/2 - 4 1/2	12.46	11.235	QD-2	14	1.389	7 1/4	4 5/8	1 9/16	1 51/64	7 1/4	44.1
200J15	J	1 1/2 - 4 1/2	13.26	12.025	QD-2	15	1.389	7 1/4	4 5/8	1 9/16	1 51/64	7 1/4	48.9
200J16S*	J	1 1/2 - 4 1/2	14.07	12.815	QD-2	16	1.389	7 1/4	4 5/8	1 9/16	1 51/64	7 1/4	54.8
200M17*	M	2 - 5 1/2	14.87	13.605	QD-3	17	1.389	7 15/32	6 3/4	3 1/8	2 19/64	9	83.2
200M18*	M	2 - 5 1/2	15.68	14.397	QD-3	18	1.389	7 15/32	6 3/4	3 1/8	2 19/64	9	89.8
200M21*	M	2 - 5 1/2	18.09	16.775	QD-3	21	1.389	7 15/32	6 3/4	3 1/8	2 19/64	9	112
200M24*	M	2 - 5 1/2	20.49	19.152	QD-3	24	1.389	7 15/32	6 3/4	3 1/8	2 19/64	9	138
200M25*	M	2 - 5 1/2	21.29	19.947	QD-3	25	1.389	7 15/32	6 3/4	3 1/8	2 19/64	9	147
200M26*	M	2 - 5 1/2	22.09	20.740	QD-3	26	1.389	7 15/32	6 3/4	3 1/8	2 19/64	9	157
200M28*	M	2 - 5 1/2	23.69	22.330	QD-3	28	1.389	7 15/32	6 3/4	3 1/8	2 19/64	9	177
200M35*	M	2 - 5 1/2	29.28	27.890	QD-3	35	1.389	7 15/32	6 3/4	3 1/8	2 19/64	9	261
200M40*	M	2 - 5 1/2	33.27	31.865	QD-3	40	1.389	7 15/32	6 3/4	3 1/8	2 19/64	9	310
200N45*	N	2 7/16 - 5 7/8	37.25	35.840	QD-3	45	1.389	9 1/8	8 1/8	3 25/32	3 11/64	10	322
200N54*	N	2 7/16 - 5 7/8	44.42	42.995	QD-3	54	1.389	9 1/8	8 1/8	3 25/32	3 11/64	10	414

***Bushing mounts with capscrews on "B" side only.**



TYPE QD-2



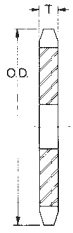
TYPE QD-3

Standard Keyseats

Table No. 3

Bore Range	Keyseat
15/16" — 1 1/4"	1/4 X 1/8
1 5/16 — 1 3/8	5/16 X 5/32
1 7/16 — 1 3/4	3/8 X 3/16
1 13/16 — 2 1/4	1/2 x 1/4
2 5/16 — 2 3/4	5/8 x 5/16
2 13/16 — 3 1/4	3/4 x 3/8
3 3/8 — 3 3/4	7/8 x 7/16
3 7/8 — 4 1/2	1 x 1/2
4 5/8 — 5 1/2	1 1/4 x 5/8
5 5/8 — 6 1/2	1 1/2 x 3/4

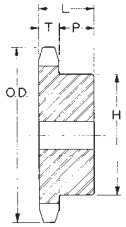
1 3/8" Bore Bushings also available with 3/8" x 3/16" Keyseat.



TYPE A

Table No. 1 Type "A" Steel Plate Sprockets

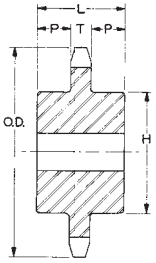
Part No.	DIAMETERS Outside	DIAMETERS Pitch	No. of Teeth	Stock Bore	T Nom.	Wt. (lbs.)	Part No.	DIAMETERS Outside	DIAMETERS Pitch	No. of Teeth	Stock Bore	T Nom.	Wt. (lbs.)
200A10	9.20	8.090	10	1 1/2	1.389	17.4	**200A23**	19.69	18.360	23	1 1/2	1.389	101
200A11	10.02	8.872	11	1 1/2	1.389	21.3	**200A24**	20.49	19.152	24	1 1/2	1.389	110
200A12	10.83	9.660	12	1 1/2	1.389	27.5	**200A25**	21.29	19.947	25	1 1/2	1.389	119
200A13	11.64	10.447	13	1 1/2	1.389	32.4	**200A26**	22.09	20.740	26	1 1/2	1.389	130
200A14	12.46	11.235	14	1 1/2	1.389	37.6	**200A28**	23.69	22.330	28	1 1/2	1.389	150
200A15	13.26	12.025	15	1 1/2	1.389	42.9	**200A30**	25.29	23.917	30	1 1/2	1.389	172
200A16	14.07	12.815	16	1 1/2	1.389	48.8	**200A32**	26.88	25.505	32	1 1/2	1.389	196
200A17	14.87	13.605	17	1 1/2	1.389	55.1	**200A35**	29.28	27.890	35	1 1/2	1.389	234
200A18	15.68	14.397	18	1 1/2	1.389	61.8	**200A40**	33.27	31.865	40	1 1/2	1.389	307
200A19	16.48	15.190	19	1 1/2	1.389	68.9	**200A45**	37.25	35.840	45	1 1/2	1.389	390
200A20	17.29	15.982	20	1 1/2	1.389	76.6	**200A54**	44.42	42.995	54	1 1/2	1.389	563
200A21	18.09	16.775	21	1 1/2	1.389	84.6	**200A60**	49.20	47.767	60	1 1/2	1.389	776
200A22	18.89	17.567	22	1 1/2	1.389	92.1							



TYPE B

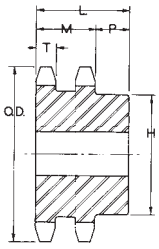
Table No. 2 Steel Minimum Bore Single Sprockets

Part No.	DIAMETERS Outside	DIAMETERS Pitch	No. Teeth	Type	BORE Stock	BORE Max.*	DIMENSIONS T Nom.	DIMENSIONS L Max.	DIMENSIONS P	DIMENSIONS H	Wt. Lbs
200B10	9.20"	8.090"	10	B	1 1/2"	3 3/4"	1.389"	3"	1 39/64"	5 1/2"	29.5
200B11	10.02	8.872	11	B	1 1/2	4 1/4	1.389	3	1 39/64	6 1/4	35.7
200B12	10.83	9.660	12	B	1 1/2	4 1/2	1.389	3	1 39/64	6 5/8	43.0
200B13	11.64	10.447	13	B	1 1/2	5 1/4	1.389	3	1 39/64	7 1/8	50.4
200B14	12.46	11.235	14	B	1 1/2	5 3/8	1.389	3 1/2	2 7/64	7 5/8	64.5
200B15	13.26	12.025	15	B	1 1/2	5 1/2	1.389	3 1/2	2 7/64	8	72.9
200B16	14.07	12.815	16	B	1 1/2	5 1/2	1.389	3 1/2	2 7/64	8	79.0
200B17	14.87	13.605	17	B	1 1/2	5 1/2	1.389	3 1/2	2 7/64	8	85.4
200B18	15.68	14.397	18	B	1 1/2	5 1/2	1.389	3 1/2	2 7/64	8	92.3
200B19	16.48	15.190	19	B	1 1/2	5 1/2	1.389	3 1/2	2 7/64	8	99.5
200B20	17.29	15.982	20	B	1 1/2	5 1/2	1.389	3 1/2	2 7/64	8	107
200B21	18.09	16.775	21	B	1 1/2	5 1/2	1.389	3 1/2	2 7/64	8	115
200B22	18.89	17.567	22	B	1 1/2	5 3/4	1.389	4	2 39/64	8 1/2	135
200B23	19.69	18.360	23		1 1/2	5 3/4	1.389	4	2 39/64	8 1/2	144
200B24	20.49	19.152	24	B	1 1/2	5 3/4	1.389	4	2 39/64	8 1/2	153
200B25	21.29	19.947	25	B	1 1/2	5 3/4	1.389	4	2 39/64	8 1/2	163
200C26	22.09	20.740	26	C	1 1/2	5 3/4	1.389	4 1/2	1 9/16	8 1/2	181
200C28	23.69	22.330	28	C	1 1/2	5 3/4	1.389	4 1/2	1 9/16	8 1/2	202
200C30	25.29	23.917	30	C	1 1/2	5 3/4	1.389	4 1/2	1 9/16	8 1/2	224
200C32	26.88	25.505	32	C	1 1/2	5 3/4	1.389	4 1/2	1 9/16	8 1/2	249
200C35	29.28	27.890	35	C	1 1/2	5 3/4	1.389	4 1/2	1 9/16	8 1/2	288
200C40	33.27	31.865	40	C	1 1/2	6	1.389	5	1 13/16	9	376
200B45	37.25	35.840	45	C	1 1/2	6	1.389	5	1 13/16	9	459
200C54	44.42	42.995	54	C	1 1/2	6 1/2	1.389	5 1/2	2 1/16	9 1/2	651
200C60	49.20	47.767	60	C	1 1/2	6 1/2	1.389	5 1/2	2 1/16	9 1/2	784



TYPE C

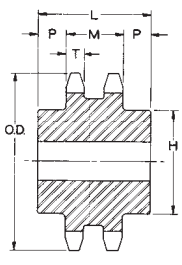
*** Maximum bores shown will accommodate standard keyway and setscrew over keyway. Slightly larger bores are possible with no keyway, shallow keyway or setscrew at angle to keyway.**
These sprockets are furnished with minimum bore and no keyway. They can be rebored to size, keywayed and setscrewed for a reasonable extra charge.



TYPE DB

Table No. 3 Steel Minimum Bore Double Sprockets

Part No.	DIAMETERS Outside	DIAMETERS Pitch	No. Teeth	Type	BORE Stock	BORE Max.*	DIMENSIONS T	DIMENSIONS M	DIMENSIONS L Max.	DIMENSIONS P	DIMENSIONS H	Wt. (lbs.)
D200B11	10.02	8.872	11	DB	1 1/2	4	1.344	4.161	5 7/8	1 23/32	6	69.6
D200B12	10.83	9.660	12	DB	1 1/2	4 1/2	1.344	4.161	6 1/4	2 3/32	6 5/8	88.0
D200B13	11.64	10.447	13	DB	1 1/2	5 5/16	1.344	4.161	6 3/8	2 7/32	7 1/4	107
D200B14	12.46	11.235	14	DB	1 1/2	5 9/16	1.344	4.161	6 3/8	2 7/32	8 1/4	129
D200B15	13.26	12.025	15	DB	1 1/2	5 7/8	1.344	4.161	6 3/8	2 7/32	8 3/4	149
D200B16	14.07	12.815	16	DB	1 1/2	5 7/8	1.344	4.161	6 5/8	2 15/32	8 3/4	170
D200B17	14.87	13.605	17	DB	1 1/2	5 7/8	1.344	4.161	6 5/8	2 15/32	8 3/4	188
D200B18	15.68	14.397	18	DB	1 1/2	5 7/8	1.344	4.161	6 5/8	2 15/32	8 3/4	207
D200B19	16.48	15.190	19	DB	1 1/2	5 7/8	1.344	4.161	6 5/8	2 15/32	8 3/4	227
D200B20	17.29	15.932	20	DB	1 1/2	5 7/8	1.344	4.161	6 5/8	2 15/32	8 3/4	248
D200B21	18.09	16.775	21	DB	1 1/2	5 7/8	1.344	4.161	6 5/8	2 15/32	8 3/4	272
D200B22	18.89	17.567	22	DB	1 1/2	5 7/8	1.344	4.161	6 5/8	2 15/32	8 3/4	295
D200B23	19.69	18.360	23	DB	1 1/2	5 7/8	1.344	4.161	6 5/8	2 15/32	8 3/4	320
D200B24	20.49	19.152	24	DB	1 1/2	5 7/8	1.344	4.161	6 5/8	2 15/32	8 3/4	346
D200B25	21.29	19.947	25	DB	1 1/2	5 7/8	1.344	4.161	6 5/8	2 15/32	8 3/4	374
D200B26	22.09	20.740	26	DB	1 1/2	5 7/8	1.344	4.161	6 5/8	2 15/32	8 3/4	402
D200C45	37.25	35.840	45	DC	1 1/2	7	1.344	4.161	8 1/2	2 11/64	10	663
D200C60	49.20	47.767	60	DC	1 1/2	7	1.344	4.161	8 1/2	2 11/64	10	929

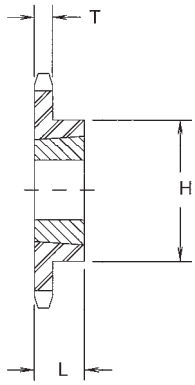


TYPE DC

*** Maximum bores shown will accommodate standard keyway and setscrew over keyway. Slightly larger bores are possible with no keyway, shallow keyway or setscrew at angle to keyway.**
These sprockets are furnished with minimum bore and no keyway. They can be rebored to size, keywayed and setscrewed for a reasonable extra charge.

Table No. 1 Sprockets for No. 35, 3/8" Pitch ANSI Chain

Part No.	Bushing	Bore Range	Diameter Outside	Diameter Pitch	No. of Teeth.	Type	T (Nom.)	L	H	Wt. Lbs less Bush.
35TB18	1008	1/2 - 1	2.35	2.160	18	1	.168	7/8	1 7/8	0.4
35TB19	1008	1/2 - 1	2.47	2.278	19	1	.168	7/8	1 13/16	0.5
35TB20	1008	1/2 - 1	2.59	2.397	20	1	.168	7/8	1 15/16	0.6
35TB21	1008	1/2 - 1	2.71	2.516	21	1	.168	7/8	2 1/16	0.7
35TB22	1210	1/2 - 1 1/4	2.83	2.635	22	1	.168	1	2 3/8	0.8
35TB23	1210	1/2 - 1 1/4	2.95	2.754	23	1	.168	1	2 7/16	0.9
35TB24	1210	1/2 - 1 1/4	3.07	2.873	24	1	.168	1	2 7/16	0.9
35TB25	1210	1/2 - 1 1/4	3.19	2.992	25	1	.168	1	2 7/16	1.2
35TB26	1610	1/2 - 1 5/8	3.31	3.111	26	1	.168	1	2 7/8	1.1
35TB28	1610	1/2 - 1 5/8	3.55	3.349	28	1	.168	1	3	1.2
35TB30	1610	1/2 - 1 5/8	3.79	3.588	30	1	.168	1	3	1.2
35TB32	1610	1/2 - 1 5/8	4.03	3.826	32	1	.168	1	3	1.3
35TB35	1610	1/2 - 1 5/8	4.39	4.183	35	1	.168	1	3	1.4
35TB36	1610	1/2 - 1 5/8	4.51	4.303	36	1	.168	1	3	1.4
35TB40	1610	1/2 - 1 5/8	4.99	4.780	40	1	.168	1	3	1.9
35TB42	1610	1/2 - 1 5/8	5.23	5.018	42	1	.168	1	3	2.0
35TB45	1610	1/2 - 1 5/8	5.59	5.376	45	1	.168	1	3	2.1
35TB48	1610	1/2 - 1 5/8	5.95	5.734	48	1	.168	1	3	2.3
35TB54	1610	1/2 - 1 5/8	6.66	6.449	54	1	.168	1	3	2.6
35TB60	1610	1/2 - 1 5/8	7.38	7.165	60	1	.168	1	3	3.0
35TB70	1610	1/2 - 1 5/8	8.58	8.358	70	1	.168	1	3	3.7
35TB72	1610	1/2 - 1 5/8	8.81	8.597	72	1	.168	1	3	3.9
35TB80	1610	1/2 - 1 5/8	9.77	9.552	80	1	.168	1	3	4.5
35TB84	1610	1/2 - 1 5/8	10.25	10.029	84	1	.168	1	3	4.9
35TB96	1610	1/2 - 1 5/8	11.68	11.461	96	1	.168	1	3	6.0
35TB112	1610	1/2 - 1 5/8	13.59	13.371	112	1	.168	1	3	7.8



Type 1

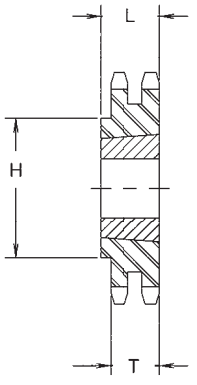
Table No. 2 Steel Double Sprockets

HARDENED TEETH

Part No.	Bushing	Bore Range	Diameter Outside	Diameter Pitch	No. of Teeth.	Type	T (Nom.)	L	H	Wt. Lbs less Bush.
D35TB19	1008	1/2 - 1	2.47	2.278	19	2	.162	7/8	1 53/64	0.6
D35TB20	1008	1/2 - 1	2.59	2.397	20	2	.162	7/8	1 15/16	0.8
D35TB21	1008	1/2 - 1	2.71	2.516	21	2	.162	7/8	2 1/16	1.4
D35TB22	1008	1/2 - 1	2.83	2.635	22	2	.162	7/8	2 3/16	1.7
D35TB24	1210	1/2 - 1 1/4	3.07	2.873	24	2	.162	1	2 7/16	1.8
D35TB26	1210	1/2 - 1 1/4	3.31	3.111	26	2	.162	1	2 5/8	2.0
D35TB30	1610	1/2 - 5/8	3.79	3.588	30	2	.162	1	3 1/8	1.8
D35TB32	1610	1/2 - 5/8	4.03	3.826	32	2	.162	1	3 1/4	2.0
D35TB35	1610	1/2 - 5/8	4.39	4.183	35	2	.162	1	3 1/4	2.3
D35TB40	1610	1/2 - 5/8	4.99	4.780	40	2	.162	1	3 1/4	2.9
D35TB45	1610	1/2 - 5/8	5.59	5.376	45	2	.162	1	3 1/4	3.2
D35TB48	1610	1/2 - 5/8	5.95	5.734	48	2	.162	1	3 5/8	3.1
D35TB54	1610	1/2 - 5/8	6.66	6.449	54	2	.162	1	3 5/8	3.9
D35TB60	1610	1/2 - 5/8	7.38	7.165	60	2	.162	1	3 5/8	4.9
D35TB70	1610	1/2 - 5/8	8.58	8.358	70	2	.162	1	3 5/8	6.3
D35TB80	1610	1/2 - 5/8	9.77	9.552	80	2	.162	1	3 5/8	7.9
D35TB96	1610	1/2 - 5/8	11.68	11.461	96	2	.162	1	3 5/8	9.9
D35TB112	1610	1/2 - 5/8	13.59	13.371	112	2	.162	1	3 5/8	10.9

Table No. 3 Sprockets for No. 41, 1/2" Pitch ANSI Chain

Part No.	Bushing	Bore Range	Diameter Outside	Diameter Pitch	No. of Teeth.	Type	T (Nom.)	L	H	Wt. Lbs less Bush.
41TB14	1008	1/2 - 1	2.49	2.247	14	1	.227	7/8	1 7/8	0.4
41TB15	1008	1/2 - 1	2.65	2.405	15	1	.227	7/8	1 7/8	0.5
41TB16	1008	1/2 - 1	2.81	2.563	16	1	.227	7/8	2	0.6
41TB17	1210	1/2 - 1 1/4	2.97	2.721	17	1	.227	1	2 3/8	0.7
41TB18	1210	1/2 - 1 1/4	3.14	2.879	18	1	.227	1	2 3/8	0.9
41TB19	1210	1/2 - 1 1/4	3.30	3.038	19	1	.227	1	2 1/2	1.1
41TB20	1610	1/2 - 1 5/8	3.46	3.196	20	1	.227	1	2 7/8	1.1
41TB21	1610	1/2 - 1 5/8	3.62	3.355	21	1	.227	1	3	1.2
41TB22	1610	1/2 - 1 5/8	3.78	3.513	22	1	.227	1	3	1.3
41TB23	1610	1/2 - 1 5/8	3.94	3.672	23	1	.227	1	3	1.4
41TB24	1610	1/2 - 1 5/8	4.10	3.831	24	1	.227	1	3 1/4	1.4
41TB25	1610	1/2 - 1 5/8	4.26	3.989	25	1	.227	1	3 1/4	1.5
41TB26	1610	1/2 - 1 5/8	4.42	4.148	26	1	.227	1	3 1/4	1.7
41TB28	1610	1/2 - 1 5/8	4.74	4.466	28	1	.227	1	3 1/4	1.7
41TB30	1610	1/2 - 1 5/8	5.06	4.783	30	1	.227	1	3 1/4	1.8
41TB32	1610	1/2 - 1 5/8	5.38	5.101	32	1	.227	1	3 1/4	1.9
41TB35	1610	1/2 - 1 5/8	5.86	5.578	35	1	.227	1	3	2.3
41TB36	1610	1/2 - 1 5/8	6.02	5.737	36	1	.227	1	3	2.4
41TB40	1610	1/2 - 1 5/8	6.65	6.373	40	1	.227	1	3	2.7
41TB45	1610	1/2 - 1 5/8	7.45	7.168	45	1	.227	1	3	3.5
41TB48	1610	1/2 - 1 5/8	7.93	7.645	48	1	.227	1	3	4.1
41TB54	1610	1/2 - 1 5/8	8.88	8.599	54	1	.227	1	3	4.9
41TB60	1610	1/2 - 1 5/8	9.84	9.554	60	1	.227	1	3	5.7
41TB70	1610	1/2 - 1 5/8	11.43	11.145	70	1	.227	1	3	7.4
41TB72	1610	1/2 - 1 5/8	11.75	11.463	72	1	.227	1	3	8.2
41TB80	1610	1/2 - 1 5/8	13.03	12.736	80	1	.227	1	3	9.6
41TB96	1610	1/2 - 1 5/8	15.57	15.282	96	1	.227	1	3	13.1



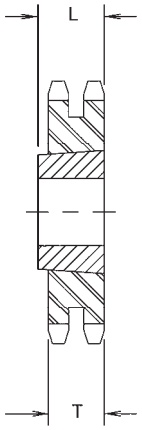
Type 2

H

Table No. 1 **Sprockets for No. 40, 1/2" Pitch ANSI Chain**

HARDENED TEETH →

Part No.	Bushing	Bore Range	Diameter		No. of Teeth	Type	T Nom.	L	H	Wt. Lbs. Less Bush.
			Outside	Pitch						
H40TB14	1008	1/2 - 1	2.49	2.247	14	1	.284	7/8	1 13/16	0.3
H40TB15	1008	1/2 - 1	2.65	2.405	15	1	.284	7/8	1 13/16	0.4
H40TB16	1008	1/2 - 1	2.81	2.563	16	1	.284	7/8	1 15/16	0.5
H40TB17	1210	1/2 - 1 1/4	2.97	2.721	17	1	.284	1	2 3/8	0.3
H40TB18	1210	1/2 - 1 1/4	3.14	2.879	18	1	.284	1	2 15/32	0.4
H40TB19	1210	1/2 - 1 1/4	3.30	3.038	19	1	.284	1	2 15/32	0.7
H40TB20	1610	1/2 - 1 5/8	3.46	3.196	20	1	.284	1	2 25/32	0.6
H40TB21	1610	1/2 - 1 5/8	3.62	3.355	21	1	.284	1	2 25/32	0.8
H40TB22	1610	1/2 - 1 5/8	3.78	3.513	22	1	.284	1	2 25/32	0.8
H40TB23	1610	1/2 - 1 5/8	3.94	3.672	23	1	.284	1	3	0.9
H40TB24	1610	1/2 - 1 5/8	4.10	3.831	24	1	.284	1	3 1/4	1.0
H40TB25	1610	1/2 - 1 5/8	4.26	3.989	25	1	.284	1	3 1/4	1.1
H40TB26	1610	1/2 - 1 5/8	4.42	4.148	26	1	.284	1	3 1/4	1.1
H40TB28	1610	1/2 - 1 5/8	4.74	4.466	28	1	.284	1	3	1.4
H40TB30	1610	1/2 - 1 5/8	5.06	4.783	30	1	.284	1	3	1.6
40TB32	1610	1/2 - 1 5/8	5.38	5.101	32	1	.284	1	3	1.8
40TB35	1610	1/2 - 1 5/8	5.86	5.578	35	1	.284	1	3	2.0
40TB36	1610	1/2 - 1 5/8	6.02	5.737	36	1	.284	1	3	2.1
40TB40	1610	1/2 - 1 5/8	6.65	6.373	40	1	.284	1	3	2.5
40TB42	1610	1/2 - 1 5/8	6.97	6.691	42	1	.284	1	3	2.7
40TB45	1610	1/2 - 1 5/8	7.45	7.168	45	1	.284	1	3	3.1
40TB48	1610	1/2 - 1 5/8	7.93	7.645	48	1	.284	1	3	4.1
40TB54	1610	1/2 - 1 5/8	8.88	8.599	54	1	.284	1	3	5.0
40TB60	1610	1/2 - 1 5/8	9.84	9.554	60	1	.284	1	3	6.0
40TB70	2012	1/2 - 2	11.43	11.145	70	1	.284	1 1/4	3 7/8	7.3
40TB72	2012	1/2 - 2	11.75	11.463	72	1	.284	1 1/4	3 7/8	7.5
40TB80	2012	1/2 - 2	13.03	12.736	80	1	.284	1 1/4	3 7/8	8.3
40TB84	2012	1/2 - 2	13.66	13.372	84	1	.284	1 1/4	3 7/8	10.2
40TB96	2012	1/2 - 2	15.57	15.282	96	1	.284	1 1/4	3 7/8	15.3
40TB112	2517	1/2 - 2 1/2	18.12	17.828	112	1	.284	1 3/4	4 5/8	21.5



Type 3

Table No. 2 **Steel Double Sprockets**

HARDENED TEETH →

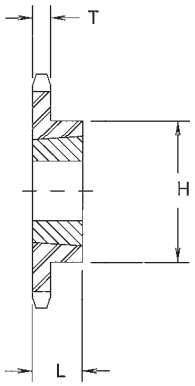
Part No.	Bushing	Bore Range	Diameter		No. of Teeth	Type	T (Nom.)	L	H	Wt. Lbs. Less Bush.
			Outside	Pitch						
D40TBA15	1008	1/2 - 1	2.65	2.405	15	3	.275	7/8	-	0.4
D40TBA16	1008	1/2 - 1	2.81	2.563	16	3	.275	7/8	-	0.5
D40TBA17	1008	1/2 - 1	2.97	2.721	17	3	.275	7/8	-	0.8
D40TB18	1210	1/2 - 1 1/4	3.14	2.879	18	2	.275	1	2 11/16	0.6
D40TB19	1210	1/2 - 1 1/4	3.30	3.038	19	2	.275	1	2 1/2	0.8
D40TB20	1610	1/2 - 1 5/8	3.46	3.196	20	2	.275	1	2 21/32	0.9
D40TB21	1610	1/2 - 1 5/8	3.62	3.355	21	2	.275	1	2 53/64	1.0
D40TB23	1610	1/2 - 1 5/8	3.94	3.672	23	2	.275	1	3 9/64	1.3
D40TB25	2012	1/2 - 2	4.26	3.989	25	2	.275	1 1/4	3 15/32	1.1
D40TB30	2012	1/2 - 2	5.06	4.783	30	2	.275	1 1/4	4 17/64	2.9
D40TB36	2012	1/2 - 2	6.02	5.737	36	2	.275	1 1/4	5 1/8	5.3
D40TB42	2517	1/2 - 2 1/2	6.97	6.691	42	2	.275	1 3/4	4 1/4	7.0
D40TB48	2517	1/2 - 2 1/2	7.93	7.645	48	2	.275	1 3/4	4 1/4	9.6
D40TB52	2517	1/2 - 2 1/2	8.57	8.281	52	2	.275	1 3/4	4 1/4	11.4
D40TB60	2517	1/2 - 2 1/2	9.84	9.554	60	2	.275	1 3/4	4 1/4	15.4
D40TB68	2517	1/2 - 2 1/2	11.11	10.826	68	2	.275	1 3/4	4 1/4	20.5
D40TB76	2517	1/2 - 2 1/2	12.39	12.099	76	2	.275	1 3/4	4 1/4	25.7
D40TB84	2517	1/2 - 2 1/2	13.66	13.372	84	2	.275	1 3/4	4 1/4	31.6

Table No. 1

Sprockets for No. 50, 5/8" Pitch ANSI Chain

HARDENED TEETH

Part No.	Bushing	Bore Range	Diameter		No. of Teeth	Type	T Nom.	L	H	Wt. Lbs. Less Bush.
			Outside	Pitch						
H50TB12	1008	1/2 - 1	2.71	2.415	12	1	.343	7/8	1 15/16	0.3
H50TB13	1008	1/2 - 1	2.91	2.612	13	1	.343	7/8	1 13/16	0.5
H50TB14	1008	1/2 - 1	3.11	2.809	14	1	.343	7/8	1 15/16	0.8
H50TB15	1210	1/2 - 1 1/4	3.32	3.006	15	1	.343	1	2 1/2	0.6
H50TB16	1610	1/2 - 1 5/8	3.52	3.204	16	1	.343	1	2 25/32	0.5
H50TB17	1610	1/2 - 1 5/8	3.72	3.401	17	1	.343	1	2 25/32	0.8
H50TB18	1610	1/2 - 1 5/8	3.92	3.599	18	1	.343	1	2 25/32	1.1
H50TB19	1610	1/2 - 1 5/8	4.12	3.797	19	1	.343	1	3	1.3
H50TB20	1610	1/2 - 1 5/8	4.32	3.995	20	1	.343	1	3 1/4	1.5
H50TB21	1610	1/2 - 1 5/8	4.52	4.193	21	1	.343	1	3	1.7
H50TB22	1610	1/2 - 1 5/8	4.72	4.392	22	1	.343	1	3	1.9
H50TB23	2012	1/2 - 2	4.92	4.590	23	1	.343	1 1/4	3 7/8	1.2
H50TB24	2012	1/2 - 2	5.12	4.788	24	1	.343	1 1/4	3 7/8	1.4
H50TB25	2012	1/2 - 2	5.32	4.987	25	1	.343	1 1/4	3 7/8	1.5
H50TB26	2012	1/2 - 2	5.52	5.185	26	1	.343	1 1/4	3 7/8	1.7
H50TB27	2012	1/2 - 2	5.72	5.384	27	1	.343	1 1/4	3 7/8	1.8
H50TB28	2012	1/2 - 2	5.92	5.582	28	1	.343	1 1/4	3 7/8	1.9
H50TB30	2012	1/2 - 2	6.32	5.979	30	1	.343	1 1/4	3 7/8	2.3
50TB32	2012	1/2 - 2	6.72	6.376	32	1	.343	1 1/4	3 7/8	2.5
50TB35	2012	1/2 - 2	7.32	6.972	35	1	.343	1 1/4	3 7/8	3.2
50TB36	2012	1/2 - 2	7.52	7.171	36	1	.343	1 1/4	3 7/8	3.6
50TB40	2012	1/2 - 2	8.32	7.966	40	1	.343	1 1/4	3 7/8	5.3
50TB42	2012	1/2 - 2	8.72	8.363	42	1	.343	1 1/4	3 7/8	5.7
50TB45	2012	1/2 - 2	9.31	8.960	45	1	.343	1 1/4	3 7/8	6.4
50TB48	2012	1/2 - 2	9.91	9.556	48	1	.343	1 1/4	3 7/8	7.2
50TB54	2012	1/2 - 2	11.11	10.749	54	1	.343	1 1/4	3 7/8	9.8
50TB60	2012	1/2 - 2	12.30	11.942	60	1	.343	1 1/4	3 7/8	11.0
50TB70	2517	1/2 - 2 1/2	14.29	13.931	70	1	.343	1 3/4	4 1/4	14.5
50TB72	2517	1/2 - 2 1/2	14.69	14.328	72	1	.343	1 3/4	4 1/4	15.5
50TB80	2517	1/2 - 2 1/2	16.28	15.920	80	1	.343	1 3/4	4 1/4	18.8
50TB84	2517	1/2 - 2 1/2	17.08	16.715	84	1	.343	1 3/4	4 1/4	20.7
50TB96	2517	1/2 - 2 1/2	19.47	19.102	96	1	.343	1 3/4	4 1/4	27.7
50TB112	2517	1/2 - 2 1/2	22.65	22.285	112	1	.343	1 3/4	4 1/4	37.5



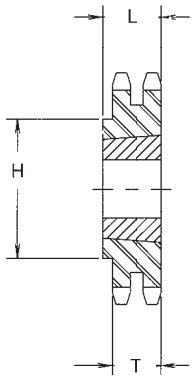
Type 1

Table No. 2

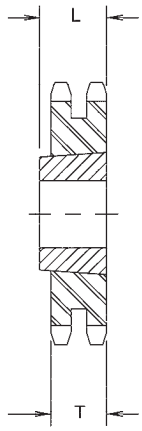
Steel Double Sprockets

HARDENED TEETH

Part No.	Bushing	Bore Range	Diameter		No. of Teeth	Type	T Nom.	L	H	Wt. Lbs. Less Bush.
			Outside	Pitch						
D50TBA14	1008	1/2 - 1	3.11	2.809	14	3	.332	7/8	-	0.9
D50TBA15	1210	1/2 - 1 1/4	3.32	3.006	15	3	.332	1	-	0.7
D50TBA16	1210	1/2 - 1 1/4	3.52	3.204	16	3	.332	1	-	1.1
D50TBA17	1610	1/2 - 1 5/8	3.72	3.401	17	3	.332	1	-	0.9
D50TBA18	1610	1/2 - 1 5/8	3.92	3.599	18	3	.332	1	-	1.1
D50TBA19	1610	1/2 - 1 5/8	4.12	3.797	19	3	.332	1	-	1.4
D50TB20	2012	1/2 - 2	4.32	3.995	20	2	.332	1 1/4	3 3/8	0.9
D50TB21	2012	1/2 - 2	4.52	4.193	21	2	.332	1 1/4	3 37/64	1.3
D50TB25	2012	1/2 - 2	5.32	4.987	25	2	.332	1 1/4	4 21/64	3.2
D50TB30	2517	1/2 - 2 1/2	6.32	5.979	30	2	.332	1 3/4	5 21/64	6.2
D50TB36	2517	1/2 - 2 1/2	7.52	7.171	36	2	.332	1 3/4	4 1/4	9.4
D50TB42	2517	1/2 - 2 1/2	8.72	8.363	42	2	.332	1 3/4	4 1/4	13.4
D50TB48	2517	1/2 - 2 1/2	9.91	9.556	48	2	.332	1 3/4	4 1/4	18.6
D50TB52	2517	1/2 - 2 1/2	10.71	10.351	52	2	.332	1 3/4	4 3/8	22.2
D50TB60	2517	1/2 - 2 1/2	12.30	11.942	60	2	.332	1 3/4	4 3/8	30.3
D50TB68	2517	1/2 - 2 1/2	13.89	13.533	68	2	.332	1 3/4	4 3/8	39.4
D50TB76	2517	1/2 - 2 1/2	15.49	15.124	76	2	.332	1 3/4	4 3/8	41.2
D50TB84	2517	1/2 - 2 1/2	17.08	16.715	84	2	.332	1 3/4	4 3/8	45.3
D50TB95	2517	1/2 - 2 1/2	19.27	18.903	95	2	.332	1 3/4	4 3/8	58.8



Type 2



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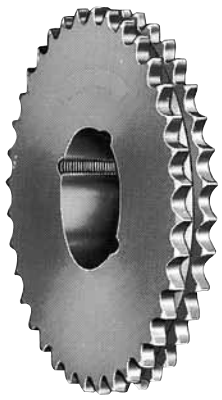


Table No. 1 **Sprockets for No. 60, 3/4" Pitch ANSI Chain**

HARDENED TEETH

Part No.	Bushing	Bore Range	Diameter		No. of Teeth	Type	T (Nom.)	L	H	Wt. Lbs. Less Bush
			Outside	Pitch						
H60TB11	1008	1/2 - 1	3.00	2.662	11	1	.459	7/8	1 13/16	0.8
H60TB12	1008	1/2 - 1	3.25	2.898	12	1	.459	7/8	1 15/16	1.0
H60TB13	1210	1/2 - 1 1/4	3.49	3.134	13	1	.459	1	2 21/32	1.1
H60TB14	1210	1/2 - 1 1/4	3.74	3.370	14	1	.459	1	2 15/16	1.4
H60TB15	1610	1/2 - 1 5/8	3.98	3.607	15	1	.459	1	3 1/8	1.5
H60TB16	1610	1/2 - 1 5/8	4.22	3.844	16	1	.459	1	3	1.8
H60TB17	1610	1/2 - 1 5/8	4.46	4.082	17	1	.459	1	3 1/4	2.2
H60TB18	1610	1/2 - 1 5/8	4.70	4.319	18	1	.459	1	3	3.0
H60TB19	1610	1/2 - 1 5/8	4.94	4.557	19	1	.459	1	3	3.2
H60TB20	2012	1/2 - 2	5.19	4.794	20	1	.459	1 1/4	3 7/8	2.6
H60TB21	2012	1/2 - 2	5.43	5.032	21	1	.459	1 1/4	3 7/8	2.8
H60TB22	2012	1/2 - 2	5.67	5.270	22	1	.459	1 1/4	3 7/8	3.4
H60TB23	2012	1/2 - 2	5.91	5.508	23	1	.459	1 1/4	3 7/8	3.7
H60TB24	2012	1/2 - 2	6.15	5.746	24	1	.459	1 1/4	3 7/8	4.0
H60TB25	2012	1/2 - 2	6.39	5.984	25	1	.459	1 1/4	3 7/8	4.2
H60TB26	2012	1/2 - 2	6.63	6.222	26	1	.459	1 1/4	3 7/8	4.5
H60TB27	2012	1/2 - 2	6.87	6.460	27	1	.459	1 1/4	3 7/8	4.6
H60TB28	2012	1/2 - 2	7.11	6.699	28	1	.459	1 1/4	3 7/8	5.5
H60TB30	2012	1/2 - 2	7.59	7.175	30	1	.459	1 1/4	3 7/8	6.1
60TB32	2012	1/2 - 2	8.06	7.652	32	1	.459	1 1/4	3 7/8	6.8
60TB35	2012	1/2 - 2	8.78	8.367	35	1	.459	1 1/4	3 7/8	8.3
60TB36	2012	1/2 - 2	9.02	8.605	36	1	.459	1 1/4	3 7/8	8.9
60TB40	2012	1/2 - 2	9.98	9.559	40	1	.459	1 1/4	3 7/8	10.7
60TB42	2012	1/2 - 2	10.46	10.036	42	1	.459	1 1/4	3 7/8	11.3
60TB45	2012	1/2 - 2	11.18	10.752	45	1	.459	1 1/4	3 7/8	12.8
60TB48	2012	1/2 - 2	11.89	11.467	48	1	.459	1 1/4	3 7/8	14.2
60TB54	2517	1/2 - 2 1/2	13.33	12.899	54	1	.459	1 3/4	4 1/4	19.2
60TB60	2517	1/2 - 2 1/2	14.76	14.330	60	1	.459	1 3/4	4 1/4	22.9
60TB70	2517	1/2 - 2 1/2	17.15	16.717	70	1	.459	1 3/4	4 1/4	29.0
60TB72	2517	1/2 - 2 1/2	17.63	17.194	72	1	.459	1 3/4	4 1/4	30.7
60TB80	2517	1/2 - 2 1/2	19.54	19.104	80	1	.459	1 3/4	4 1/4	38.5
60TB84	2517	1/2 - 2 1/2	20.49	20.058	84	1	.459	1 3/4	4 1/4	42.5

Table No. 2 **Steel Double Sprockets**

HARDENED TEETH

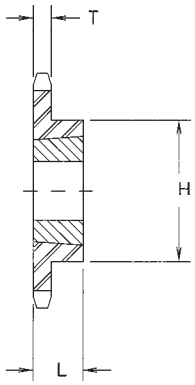
Part No.	Bushing	Bore Range	Diameter		No. of Teeth	Type	T (Nom.)	L	H	Wt. Lbs. Less Bush
			Outside	Pitch						
D60TB13	1215	1/2 - 1 1/4	3.49	3.134	13	2	.444	1 1/2	2 19/64	1.2
D60TB14	1215	1/2 - 1 1/4	3.74	3.370	14	2	.444	1 1/2	2 35/64	1.6
D60TB15	1615	1/2 - 1 5/8	3.98	3.607	15	2	.444	1 1/2	3 25/32	1.3
D60TB16	1615	1/2 - 1 5/8	4.22	3.844	16	2	.444	1 1/2	3 1/32	1.8
D60TB17	1615	1/2 - 1 5/8	4.46	4.082	17	2	.444	1 1/2	3 17/64	2.3
D60TBA18	2012	1/2 - 2	4.70	4.319	18	3	.444	1 1/4	-	1.9
D60TBA19	2012	1/2 - 2	4.94	4.557	19	3	.444	1 1/4	-	2.3
D60TB20	2517	1/2 - 2 1/2	5.19	4.794	20	2	.444	1 3/4	3 63/64	1.6
D60TB21	2517	1/2 - 2 1/2	5.43	5.032	21	2	.444	1 3/4	4 15/64	2.4
D60TB25	2517	1/2 - 2 1/2	6.39	5.984	25	2	.444	1 3/4	5 3/16	6.1
D60TB30	2517	1/2 - 2 1/2	7.59	7.175	30	2	.444	1 3/4	6 25/64	11.5
D60TB36	2517	1/2 - 2 1/2	9.02	8.605	36	2	.444	1 3/4	4 1/4	17.5
D60TB42	2517	1/2 - 2 1/2	10.46	10.036	42	2	.444	1 3/4	4 1/4	25.5
D60TB45	2517	1/2 - 2 1/2	11.18	10.752	45	2	.444	1 3/4	4 1/4	29.5
D60TB52	2517	1/2 - 2 1/2	12.85	12.422	52	2	.444	1 3/4	4 1/4	41.0
D60TB60	2517	1/2 - 2 1/2	14.76	14.330	60	2	.444	1 3/4	4 1/4	32.5
D60TB68	2517	1/2 - 2 1/2	16.67	16.240	68	2	.444	1 3/4	4 1/2	36.5
D60TB76	3020	15/16 - 3	18.58	18.149	76	2	.444	2	5 1/4	42.5
D60TB95	3020	15/16 - 3	23.12	22.684	95	2	.444	2	5 1/4	48.5

Table No. 1

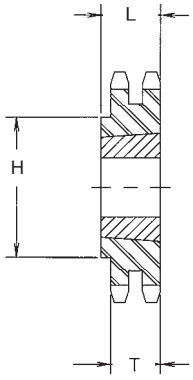
Sprockets for No. 80, 1" Pitch ANSI Chain

HARDENED TEETH

Part No.	Bushing	Bore Range	Diameter		No. of Teeth	Type	T (Nom.)	L	H	Wt.lbs. Less Bush.
			Outside	Pitch						
H80TB10	1215	1/2 - 1 3/8	3.68	3.236	10	1	.575	1 1/2	2 1/2	1.4
H80TB11	1215	1/2 - 1 3/8	4.01	3.549	11	1	.575	1 1/2	2 15/32	1.5
H80TB12	1615	1/2 - 1 5/8	4.33	3.864	12	1	.575	1 1/2	3	1.2
H80TB13	1615	1/2 - 1 5/8	4.66	4.179	13	1	.575	1 1/2	3	2.3
H80TB14	1615	1/2 - 1 5/8	4.98	4.494	14	1	.575	1 1/2	3 7/32	3.1
H80TB15	1615	1/2 - 1 5/8	5.30	4.810	15	1	.575	1 1/2	3 7/32	3.5
H80TB16	2012	1/2 - 2	5.63	5.126	16	1	.575	1 1/4	3 7/8	4.4
H80TB17	2012	1/2 - 2	5.95	5.442	17	1	.575	1 1/4	3 7/8	5.3
H80TB18	2012	1/2 - 2	6.27	5.759	18	1	.575	1 1/4	3 7/8	5.7
H80TB19	2012	1/2 - 2	6.59	6.076	19	1	.575	1 1/4	3 7/8	6.1
H80TB20	2517	1/2 - 2 1/2	6.91	6.392	20	1	.575	1 3/4	4 1/4	4.8
H80TB21	2517	1/2 - 2 1/2	7.23	6.710	21	1	.575	1 3/4	4 1/4	5.2
H80TB22	2517	1/2 - 2 1/2	7.56	7.027	22	1	.575	1 3/4	4 1/4	5.8
H80TB23	2517	1/2 - 2 1/2	7.88	7.344	23	1	.575	1 3/4	4 1/4	6.3
H80TB24	2517	1/2 - 2 1/2	8.20	7.661	24	1	.575	1 3/4	4 1/4	7.0
H80TB25	2517	1/2 - 2 1/2	8.52	7.979	25	1	.575	1 3/4	4 1/4	7.6
H80TB26	2517	1/2 - 2 1/2	8.84	8.296	26	1	.575	1 3/4	4 1/4	9.9
H80TB27	2517	1/2 - 2 1/2	9.16	8.614	27	1	.575	1 3/4	4 1/4	10.0
H80TB28	2517	1/2 - 2 1/2	9.48	8.931	28	1	.575	1 3/4	4 1/4	10.0
H80TB30	2517	1/2 - 2 1/2	10.11	9.567	30	1	.575	1 3/4	4 1/4	12.6
80TB32	2517	1/2 - 2 1/2	10.75	10.202	32	1	.575	1 3/4	4 1/4	14.1
80TB35	2517	1/2 - 2 1/2	11.71	11.156	35	1	.575	1 3/4	4 1/4	14.5
80TB36	2517	1/2 - 2 1/2	12.03	11.474	36	1	.575	1 3/4	4 1/4	17.6
80TB40	2517	1/2 - 2 1/2	13.31	12.745	40	1	.575	1 3/4	4 1/4	21.1
80TB45	2517	1/2 - 2 1/2	14.90	14.336	45	1	.575	1 3/4	4 1/4	28.0
80TB48	2517	1/2 - 2 1/2	15.86	15.290	48	1	.575	1 3/4	4 1/4	31.4
80TB54	2517	1/2 - 2 1/2	17.77	17.198	54	1	.575	1 3/4	4 1/4	38.8
80TB60	2517	1/2 - 2 1/2	19.68	19.107	60	1	.575	1 3/4	4 1/4	47.2
80TB70	3020	15/16 - 3	22.87	22.289	70	1	.575	2	5 1/4	63.5
80TB80	3020	15/16 - 3	26.05	25.471	80	1	.575	2	5 1/4	83.5



Type 1



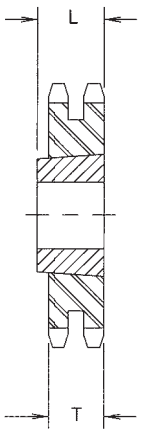
Type 2

Table No. 2

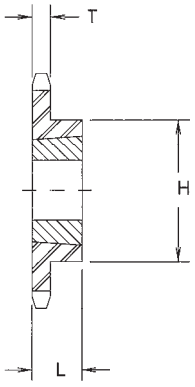
Steel Double Sprockets

HARDENED TEETH

Part No.	Bushing	Bore Range	Diameter		No. of Teeth	Type	T (Nom.)	L	H	Wt.lbs. Less Bush.
			Outside	Pitch						
D80TBA13	1615	1/2 - 1 5/8	4.66	4.179	13	3	.557	1 1/2	—	2.7
D80TBA14	2012	1/2 - 2	4.98	4.494	14	3	.557	1 1/4	—	2.5
D80TBA15	2012	1/2 - 2	5.30	4.810	15	3	.557	1 1/4	—	3.5
D80TBA16	2517	1/2 - 2 1/2	5.63	5.126	16	3	.557	1 3/4	—	2.5
D80TBA17	2517	1/2 - 2 1/2	5.95	5.442	17	3	.557	1 3/4	—	3.6
D80TBA18	2517	1/2 - 2 1/2	6.27	5.759	18	3	.557	1 3/4	—	4.9
D80TB19	3020	15/16 - 3	6.59	6.076	19	2	.557	2	5	3.2
D80TB20	3020	15/16 - 3	6.91	6.392	20	2	.557	2	5 5/16	4.5
D80TB21	3020	15/16 - 3	7.23	6.710	21	2	.557	2	5 41/64	6.5
D80TB25	3020	15/16 - 3	8.52	7.979	25	2	.557	2	6 59/64	14.5
D80TB30	3020	15/16 - 3	10.11	9.567	30	2	.557	2	5 1/4	25.1
D80TB36	3020	15/16 - 3	12.03	11.474	36	2	.557	2	5 1/4	39.4
D80TB42	3020	15/16 - 3	13.94	13.381	42	2	.557	2	5 1/4	36.4
D80TB45	3020	15/16 - 3	14.90	14.336	45	1	.557	2	5 1/4	41.4
D80TB52	3020	15/16 - 3	17.13	16.562	52	2	.557	2	5 1/4	56.2
D80TB60	3020	15/16 - 3	19.68	19.107	60	2	.557	2	5 1/4	66.3
D80TB68	3020	15/16 - 3	22.23	21.653	68	2	.557	2	5 1/4	72.0
D80TB76	3020	15/16 - 3	24.78	24.198	76	2	.557	2	5 1/4	89.1



Type 3

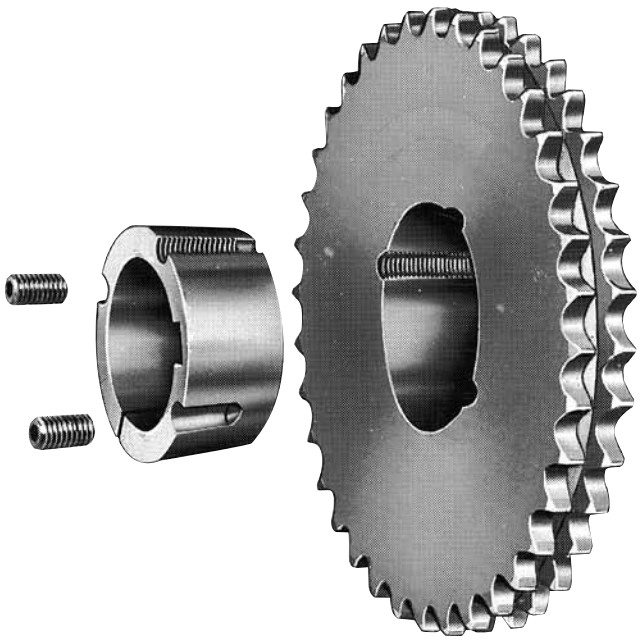


Type 1

Table No. 1 **Sprockets for No. 100, 1 1/4" Pitch ANSI Chain**

HARDENED TEETH

Part No.	Bushing	Bore Range	Diameter		No. of Teeth	Type	T (Nom.)	L	H	Wt. lbs. less Bush.
			Outside	Pitch						
H100TB11	1615	1/2 - 1 5/8	5.01	4.437	11	1	.692	1 1/2	3	3.0
H100TB12	1615	1/2 - 1 5/8	5.42	4.830	12	1	.692	1 1/2	3 7/32	5.1
H100TB13	2012	1/2 - 2	5.82	5.223	13	1	.692	1 1/4	3 7/8	5.8
H100TB14	2012	1/2 - 2	6.23	5.617	14	1	.692	1 1/4	3 7/8	8.1
H100TB15	2517	1/2 - 2 1/2	6.63	6.012	15	1	.692	1 3/4	4 1/4	7.2
H100TB16	2517	1/2 - 2 1/2	7.03	6.407	16	1	.692	1 3/4	4 1/4	8.0
H100TB17	2517	1/2 - 2 1/2	7.44	6.803	17	1	.692	1 3/4	4 1/4	8.8
H100TB18	2517	1/2 - 2 1/2	7.84	7.198	18	1	.692	1 3/4	4 1/4	9.7
H100TB19	2517	1/2 - 2 1/2	8.24	7.594	19	1	.692	1 3/4	4 1/4	11.7
H100TB20	2517	1/2 - 2 1/2	8.64	7.991	20	1	.692	1 3/4	4 1/4	12.7
H100TB21	2517	1/2 - 2 1/2	9.04	8.387	21	1	.692	1 3/4	4 1/4	13.8
H100TB22	2517	1/2 - 2 1/2	9.44	8.783	22	1	.692	1 3/4	4 1/4	14.8
H100TB24	2517	1/2 - 2 1/2	10.24	9.577	24	1	.692	1 3/4	4 1/4	17.3
H100TB26	2517	1/2 - 2 1/2	11.04	10.370	26	1	.692	1 3/4	4 1/4	21.0
H100TB28	3020	15/16 - 3	11.84	11.164	28	1	.692	2	5 1/4	21.1
H100TB30	3020	15/16 - 3	12.64	11.958	30	1	.692	2	5 1/4	23.5
100TB32	3020	15/16 - 3	13.44	12.753	32	1	.692	2	5 1/4	26.5
100TB35	3020	15/16 - 3	14.64	13.945	35	1	.692	2	5 1/4	28.5
100TB36	3020	15/16 - 3	15.04	14.342	36	1	.692	2	5 1/4	34.0
100TB40	3020	15/16 - 3	16.63	15.932	40	1	.692	2	5 1/4	41.3
100TB45	3020	15/16 - 3	18.63	17.919	45	1	.692	2	5 1/4	51.5
100TB48	3020	15/16 - 3	19.82	19.112	48	1	.692	2	5 1/4	57.5
100TB54	3020	15/16 - 3	22.21	21.498	54	1	.692	2	5 1/4	71.5
100TB60	3020	15/16 - 3	24.60	23.884	60	1	.692	2	5 1/4	87.5

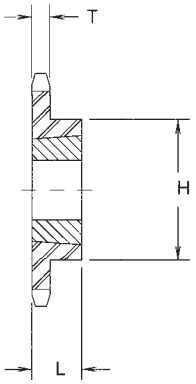


Sprockets for No. 120, 1 1/2" Pitch ANSI Chain

Table No. 1

HARDENED TEETH →

Part No.	Bushing	Bore Range	Diameter		No. of Teeth	Type	T (Nom.)	L	H	Wt.lbs. less Bush.
			Outside	Pitch						
H120TB12	2012	1/2 - 2	6.50	5.796	12	1	.924	1 1/4	3 9/16	5.5
H120TB13	2517	1/2 - 2 1/2	6.99	6.268	13	1	.924	1 3/4	4 1/4	8.0
H120TB14	2517	1/2 - 2 1/2	7.47	6.741	14	1	.924	1 3/4	4 1/4	9.3
H120TB15	2517	1/2 - 2 1/2	7.96	7.215	15	1	.924	1 3/4	4 1/4	10.5
H120TB16	3020	15/16 - 3	8.44	7.689	16	1	.924	2	5 1/4	9.1
H120TB17	3020	15/16 - 3	8.92	8.163	17	1	.924	2	5 1/4	15.0
H120TB18	3020	15/16 - 3	9.41	8.638	18	1	.924	2	5 1/4	17.0
H120TB19	3020	15/16 - 3	9.89	9.113	19	1	.924	2	5 1/4	19.1
H120TB20	3020	15/16 - 3	10.37	9.589	20	1	.924	2	5 1/4	15.5
H120TB21	3020	15/16 - 3	10.85	10.064	21	1	.924	2	5 1/4	17.5
H120TB24	3020	15/16 - 3	12.29	11.492	24	1	.924	2	5 1/4	23.5
H120TB26	3020	15/16 - 3	13.25	12.444	26	1	.924	2	5 1/4	32.5
H120TB30	3020	15/16 - 3	15.17	14.350	30	1	.924	2	5 1/4	33.5
120TB35	3020	15/16 - 3	17.57	16.734	35	1	.924	2	5 1/4	52.0
120TB36	3020	15/16 - 3	18.05	17.211	36	1	.924	2	5 1/4	54.0
120TB45	3030	15/16 - 3	22.35	21.503	45	1	.924	3	5 7/8	82.0
120TB60	3535	15/16 - 3	29.52	28.661	60	1	.924	3 1/2	6 1/2	140.0
120TB70	3535	15/16 - 3	34.30	33.434	70	1	.924	3 1/2	6 1/2	175.0
120TB80	3535	15/16 - 3	39.08	38.207	80	1	.924	3 1/2	6 1/2	220.0



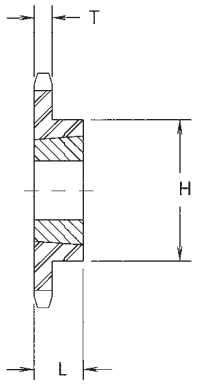
Type 1

Sprockets for No. 140, 1 3/4" Pitch ANSI Chain

Table No. 2

← HARDENED TEETH

Part No.	Bushing	Bore Range	Diameter		No. of Teeth	Type	T (Nom.)	L	H	Wt.lbs. less Bush.
			Outside	Pitch						
H140TB12	2517	1/2 - 2 1/2	7.58	6.761	12	1	.924	1 3/4	4 1/4	10.5
H140TB13	3020	15/16 - 3	8.15	7.313	13	1	.924	2	5 1/4	12.5
H140TB14	3020	15/16 - 3	8.72	7.864	14	1	.924	2	5 1/4	13.5
H140TB15	3020	15/16 - 3	9.28	8.417	15	1	.924	2	5 1/4	15.5
H140TB16	3020	15/16 - 3	9.85	8.970	16	1	.924	2	5 1/4	17.5
H140TB17	3020	15/16 - 3	10.41	9.524	17	1	.924	2	5 1/4	19.5
H140TB18	3020	15/16 - 3	10.97	10.078	18	1	.924	2	5 1/4	22.5
H140TB19	3020	15/16 - 3	11.54	10.632	19	1	.924	2	5 1/4	25.5
H140TB21	3020	15/16 - 3	12.66	11.742	21	1	.924	2	5 1/4	29.5
H140TB26	3020	15/16 - 3	15.46	14.518	26	1	.924	2	5 1/4	44.5
140TB35	3535	15/16 - 3	20.49	19.523	35	1	.924	3 1/2	6 1/2	78.0
140TB36	3535	15/16 - 3	21.05	20.079	36	1	.924	3 1/2	6 1/2	83.0
140TB45	4040	1 7/16 - 4	26.08	25.087	45	1	.924	4	7 3/4	118.0
140TB60	4040	1 7/16 - 4	34.44	33.438	60	1	.924	4	7 3/4	188.0
140TB70	4040	1 7/16 - 4	40.02	39.006	70	1	.924	4	7 3/4	241.0

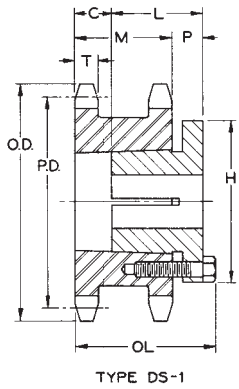


Type 1

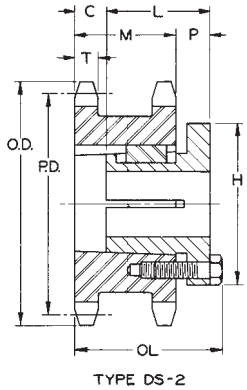
HARDENED TEETH

Part No.	Bushing	Bore Range	Diameter		No. of Teeth	Type	T (Nom.)	L	H	Wt. lbs. Less Bush.
			Outside	Pitch						
H160TB11	2517	1/2 - 2 1/2	8.01	7.099	11	1	1.156	1 3/4	4 1/4	11.5
H160TB12	3020	15/16 - 3	8.66	7.727	12	1	1.156	2	5 1/4	13.5
H160TB13	3020	15/16 - 3	9.31	8.357	13	1	1.156	2	5 1/4	15.5
H160TB14	3020	15/16 - 3	9.96	8.988	14	1	1.156	2	5 1/4	17.5
H160TB15	3535	15/16 - 3	10.61	9.619	15	1	1.156	3 1/2	6 1/2	16.0
H160TB16	3535	15/16 - 3	11.25	10.252	16	1	1.156	3 1/2	6 1/2	19.0
H160TB17	3535	15/16 - 3	11.90	10.884	17	1	1.156	3 1/2	6 1/2	22.0
H160TB18	3535	15/16 - 3	12.54	11.518	18	1	1.156	3 1/2	6 1/2	26.0
H160TB19	3535	15/16 - 3	13.19	12.151	19	1	1.156	3 1/2	6 1/2	35.0
H160TB20	3535	15/16 - 3	13.83	12.785	20	1	1.156	3 1/2	6 1/2	44.0
H160TB21	3535	15/16 - 3	14.47	13.419	21	1	1.156	3 1/2	6 1/2	54.0
H160TB24	3535	15/16 - 3	16.39	15.323	24	1	1.156	3 1/2	6 1/2	59.0
H160TB26	3535	15/16 - 3	17.67	16.592	26	1	1.156	3 1/2	6 1/2	86.0
160TB35	4040	1 7/16 - 4	23.42	22.312	35	1	1.156	4	7 3/4	118.0
160TB36	4040	1 7/16 - 4	24.06	22.947	36	1	1.156	4	7 3/4	130.0
160TB45	4040	1 7/16 - 4	29.80	28.671	45	1	1.156	4	7 3/4	186.0
160TB60	4040	1 15/16 - 4 1/2	39.36	38.215	60	1	1.156	4 1/2	8 3/4	292.0

HARDENED TEETH



TYPE DS-1



TYPE DS-2

Table No. 1

Steel Double Single Sprockets with Browning Split Taper® Bushings

Part No.	Bushing	Bore Range	DIAMETERS		No. Teeth	Type	DIMENSIONS								Wt. Less Bushing
			Outside	Pitch			T	M	OL	L	C	H	G	E	
For No. 40, 1/2" Pitch Standard Single Strand Roller Chain															
DS40H19	H	3/8 - 1 1/2"	3.28"	3.038"	19	DS-1	.284"	1 13/32"	2 1/32"	1 1/4"	19/32"	2 1/2"	7/16"	3/16"	1.5
DS40H21	H	3/8 - 1 1/2	3.62	3.355	21	DS-1	.284	1 13/32	2 1/32	1 1/4	19/32	2 1/2	7/16	3/16	2.0
DS40P23	P1	1/2 - 1 3/4	3.94	3.672	23	DS-2	.284	1 13/32	2 9/32	1 15/16	3/32	3	5/8	1/4	2.3
DS40P24	P1	1/2 - 1 3/4	4.10	3.831	24	DS-2	.284	1 13/32	2 9/32	1 15/16	3/32	3	5/8	1/4	2.5
For No. 50, 5/8" Pitch Standard Single Strand Roller Chain															
DS50H17	H	3/8 - 1 1/2	3.72	3.401	17	DS-1	.343	1 21/32	2 9/32	1 1/4	27/32	2 1/2	7/16	3/16	2.3
DS50P19	P1	1/2 - 1 3/4	4.12	3.797	19	DS-2	.343	1 21/32	2 17/32	1 15/16	11/32	3	5/8	1/4	2.8
DS50P21	P1	1/2 - 1 3/4	4.52	4.194	21	DS-2	.343	1 21/32	2 17/32	1 15/16	11/32	3	5/8	1/4	3.8
DS50P23	P1	1/2 - 1 3/4	4.92	4.590	23	DS-2	.343	1 21/32	2 17/32	1 15/16	11/32	3	5/8	1/4	4.6
DS50P24	P1	1/2 - 1 3/4	5.12	4.788	24	DS-2	.343	1 21/32	2 17/32	1 15/16	11/32	3	5/8	1/4	5.0
For No. 60, 3/4" Pitch Standard Single Strand Roller Chain															
DS60P17	P1	1/2 - 1 3/4	4.46	4.082	17	DS-2	.459	1 61/64	2 53/64	1 15/16	41/64	3	5/8	1/4	3.9
DS60P19	P1	1/2 - 1 3/4	4.95	4.557	19	DS-2	.459	1 61/64	2 53/64	1 15/16	41/64	3	5/8	1/4	5.3
DS60Q21	Q1	3/4 - 2 11/16	5.43	5.032	21	DS-2	.459	1 61/64	2 63/64	2 1/2	13/64	4 1/8	3/4	9/32	5.4
DS60Q22	Q1	3/4 - 2 11/16	5.67	5.270	22	DS-2	.459	1 61/64	2 63/64	2 1/2	13/64	4 1/8	3/4	9/32	6.2
DS60Q23	Q1	3/4 - 2 11/16	5.91	5.508	23	DS-2	.459	1 61/64	2 63/64	2 1/2	13/64	4 1/8	3/4	9/32	6.9
DS60Q24	Q1	3/4 - 2 11/16	6.15	5.746	24	DS-2	.459	1 61/64	2 63/64	2 1/2	13/64	4 1/8	3/4	9/32	7.6
For No. 80, 1" Pitch Standard Single Strand Roller Chain															
DS80Q17	Q1	3/4 - 2 11/16	5.95	5.442	17	DS-2	.575	2 13/64	3 15/64	2 1/2	29/64	4 1/8	3/4	9/32	7.2
DS80Q19	Q1	3/4 - 2 11/16	6.59	6.076	19	DS-2	.575	2 13/64	3 15/64	2 1/2	29/64	4 1/8	3/4	9/32	10.5
DS80Q20	Q1	3/4 - 2 11/16	6.91	6.392	20	DS-2	.575	2 13/64	3 15/64	2 1/2	29/64	4 1/8	3/4	9/32	12.2
DS80R21	R1	1 1/8 - 3 3/4	7.24	6.710	21	DS-2	.575	2 13/64	3 23/64	2 7/8	13/64	5 3/8	7/8	9/32	10.3
DS80R23	R1	1 1/8 - 3 3/4	7.88	7.344	23	DS-2	.575	2 13/64	3 23/64	2 7/8	13/64	5 3/8	7/8	9/32	13.2
For No. 100, 1 1/4" Pitch Standard Single Strand Roller Chain															
DS100R17	R1	1 1/8 - 3 3/4	7.44	6.803	17	DS-2	.692	2 11/16	3 27/32	2 7/8	11/16	5 3/8	7/8	9/32	12.5
DS100R19	R1	1 1/8 - 3 3/4	8.24	7.595	19	DS-2	.692	2 11/16	3 27/32	2 7/8	11/16	5 3/8	7/8	9/32	18.8
DS100R21	R1	1 1/8 - 3 3/4	9.04	8.387	21	DS-2	.692	2 11/16	3 27/32	2 7/8	11/16	5 3/8	7/8	9/32	23.1

Browning Stock Double Single Sprockets with Split Taper Bushings are for use with two single strand chains, normally one drive chain and one driven chain as on roll case drives or live roller conveyor drives. They are made of steel, have HARDENED TEETH and are ready to use right off the shelf. No reworking is necessary since they use Browning Split Taper Bushings.

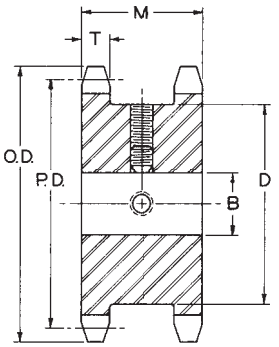
Standard Keyseats

Table No. 2

Bore Range	Keyseat
3/8" — 7/16"	None
1/2 — 9/16	1/8" x 1/16"
5/8 — 7/8	3/16 x 3/32
15/16 — 1 1/4	1/4 X 1/8
1 5/16 — 1 3/8	5/16 X 5/32
1 7/16 — 1 3/4	3/8 X 3/16
1 13/16 — 2 1/4	1/2 x 1/4
2 5/16 — 2 3/4	5/8 x 5/16
2 13/16 — 3 1/4	3/4 x 3/8
3 3/8 — 3 3/4	7/8 x 7/16

1 3/8" Bore Bushings also available with 3/8" x 3/16" Keyseat.

HARDENED TEETH



TYPE DS-A

Table No. 1

Stock Steel Type "A" Double Single Sprockets

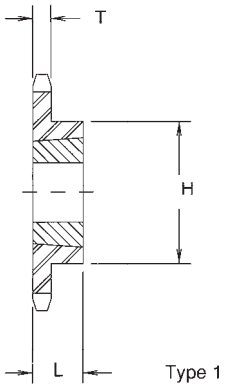
Part No.	DIAMETERS			Type	No. Teeth	Bore "B"		DIMENSIONS		Wt. Lbs.
	O.D.	P.D.	D			Stock	Max.	M	T	
For No. 40, 1/2" Pitch Standard Single Strand Roller Chain										
DS40A17	2.96"	2.721"	2 9/64"	DS-A	17	1/2"	1 7/16"	1 13/32"	.284"	2.8
DS40A19	3.28	3.038	2 15/32	DS-A	19	5/8	1 3/4	1 13/32	.284	3.4
DS40A21	3.62	3.355	2 25/32	DS-A	21	5/8	1 7/8	1 13/32	.284	4.1
For No. 50, 5/8" Pitch Standard Single Strand Roller Chain										
DS50A17	3.72	3.401	2 11/16	DS-A	17	5/8	1 7/8	1 21/32	.343	4.1
DS50A19	4.12	3.797	3 5/32	DS-A	19	5/8	2 1/8	1 21/32	.343	5.1
DS50A21	4.52	4.194	3 1/2	DS-A	21	5/8	2 3/8	1 21/32	.343	6.3
For No. 60, 3/4" Pitch Standard Single Strand Roller Chain										
DS60A17	4.46	4.082	3 1/4	DS-A	17	3/4	2 1/4	1 61/64	.459	6.8
DS60A19	4.95	4.557	3 23/32	DS-A	19	3/4	2 1/2	1 61/64	.459	8.5
DS60A21	5.43	5.032	4 13/64	DS-A	21	3/4	2 3/4	1 61/64	.459	10.5
For No. 80, 1" Pitch Standard Single Strand Roller Chain										
DS80A17	5.95	5.442	4 21/64	DS-A	17	1	2 13/16	2 13/64	.575	13.8
DS80A19	6.59	6.076	4 31/32	DS-A	19	1	3 1/4	2 13/64	.575	17.4
DS80A21	7.24	6.710	5 39/64	DS-A	21	1	3 3/4	2 13/64	.575	21.4

Browning Stock Type "A" Double Single Sprockets are for use with two single strand chains, normally one drive chain and one driven chain as on roll case drives or live roller conveyor drives. They are made of steel and have HARDENED TEETH. They can be rebored to the maximum shown in the table which is with standard keyway and setscrew over keyway. Slightly larger bores are possible with no keyway or with setscrew at angle to keyway.

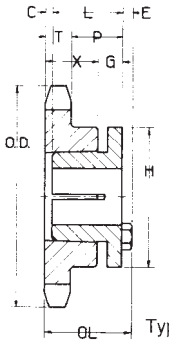
Browning Stock Sprockets for Extended Pitch Chain have larger pitch diameters than standard roller chain sprockets as extended pitch chain will not operate satisfactorily on standard roller chain sprockets with less than 24 teeth. They will normally operate satisfactorily on standard roller chain sprockets with 24 or more teeth. Sprockets for Extended Pitch Chain with Large Rollers are available on special order.

Table No. 1 **Stock Sprockets with Browning Split Taper® Bushings for Extended Pitch Chain with Standard Rollers**

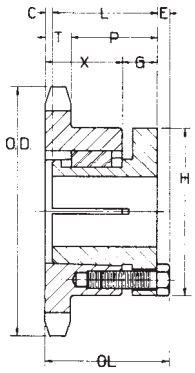
Part No.	Bushing	Bore Range	Diameter		No. of Teeth.*	Type	T (Nom.)	O.L.	L	P	C	H	G	X	E	Wt. lbs. less Bush.
			Outside	Pitch												
For **No. 2040**,1" Extended Pitch Roller Chain																
2040H17	H	3/8 - 1 1/2	2.96	2.768	17	3	.275	1 1/2	1 1/4	1 1/32	1/16	2 1/2	7/16	7/8	3/16	.6
2040H21	H	3/8 - 1 1/2	3.62	3.392	17	3	.275	1 1/2	1 1/4	1 1/32	1/16	2 1/2	7/16	7/8	3/16	.9
For **No. 2050**,1 1/4" Extended Pitch Roller Chain																
2050H17	H	3/8 - 1 1/2	3.72	3.460	17	3	.343	1 1/2	1 1/4	31/32	1/16	2 1/2	7/16	7/8	3/16	1.0
2050P21	P1	1/2 - 1 3/4	4.52	4.241	21	4	.343	2 3/16	1 15/16	1 19/32	0	3	5/8	1 5/16	1/4	2.0
2050P23	P1	1/2 - 1 3/4	4.92	4.633	23	4	.343	2 3/16	1 15/16	1 19/32	0	3	5/8	1 5/16	1/4	2.4
For **No. 2060**,1 1/2" Extended Pitch Roller Chain																
2060P17	P1	1/2 - 1 3/4	4.46	4.152	17	4	.459	2 3/16	1 15/16	1 15/32	0	3	5/8	1 5/16	1/4	2.2
2060P19	P1	1/2 - 1 3/4	4.95	4.620	19	4	.459	2 3/16	1 15/16	1 15/32	0	3	5/8	1 5/16	1/4	2.6
2060P23	P1	1/2 - 1 3/4	5.90	5.560	23	4	.459	2 3/16	1 15/16	1 15/32	0	3	5/8	1 5/16	1/4	3.5
For **No. 2080**,2" Extended Pitch Roller Chain																
2080P17	P1	1/2 - 1 3/4	5.94	5.536	17	4	.575	2 3/16	1 15/16	1 3/8	0	3	5/8	1 5/16	1/4	3.9
2080Q19	Q1	3/4 - 2 11/16	6.59	6.160	19	4	.575	2 25/32	2 1/2	1 3/8	0	4 1/8	3/4	1 3/4	9/32	6.4
2080Q21	Q1	3/4 - 2 11/16	7.23	6.785	21	4	.575	2 25/32	2 1/2	1 3/8	0	4 1/8	3/4	1 3/4	9/32	7.4
2080Q23	Q1	3/4 - 2 11/16	7.87	7.413	23	4	.575	2 25/32	2 1/2	1 3/8	0	4 1/8	3/4	1 3/4	9/32	8.5



Type 1



Type 3



Type 4

Table No. 2

Stock Sprockets with Taper Bore Bushings for Extended Pitch Chain with Standard Rollers

For No. 2040, 1" Extended pitch Roller Chain

Part No.	Bushing	Bore Range	Diameter		No. of Teeth.*	Type	T (Nom.)	O.L.	L	Wt. lbs. less Bush
			Outside	Pitch						
2040TB17	1008	1/2 - 1	2.97	2.768	17	1	.275	7/8	2	1.0
2040TB19	1210	1/2 - 1 1/4	3.30	3.080	19	1	.275	1	2 15/32	1.4
2040TB21	1610	1/2 - 1 5/8	3.62	3.392	21	1	.275	1	2 25/32	1.7
2040TB23	1610	1/2 - 1 5/8	3.94	3.706	23	1	.275	1	3	1.8
2040TB25	1610	1/2 - 1 5/8	4.26	4.021	25	1	.275	1	3 1/4	2.1
2040TB35	1610	1/2 - 1 5/8	5.86	5.600	35	1	.275	1	3	3.4
For **No. 2050,** 1 1/4" Extended Pitch Roller Chain										
2050TB17	1210	1/2 - 1 1/4	3.72	3.460	17	1	.343	1	2 25/32	1.3
2050TB19	1610	1/2 - 1 5/8	4.12	3.850	19	1	.343	1	2 15/16	2.1
2050TB21	1610	1/2 - 1 5/8	4.52	4.241	21	1	.343	1	3	2.2
2050TB23	2012	1/2 - 2	4.92	4.633	23	1	.343	1 1/4	3 7/8	3.3
2050TB25	2012	1/2 - 2	5.32	5.026	25	1	.343	1 1/4	3 7/8	3.8
2050TB35	2012	1/2 - 2	7.32	6.927	35	1	.343	1 1/4	3 7/8	5.6
For **No. 2060,** 1 1/2" Extended Pitch Roller Chain										
2060TB17	1610	1/2 - 1 5/8	4.46	4.152	17	1	.459	1	3	2.5
2060TB19	1610	1/2 - 1 5/8	4.94	4.620	19	1	.459	1	3	3.0
2060TB21	2012	1/2 - 2	5.43	5.089	21	1	.459	1 1/4	3 7/8	4.1
2060TB23	2012	1/2 - 2	5.91	5.560	23	1	.459	1 1/4	3 7/8	4.7
2060TB25	2012	1/2 - 2	6.39	6.032	25	1	.459	1 1/4	3 7/8	5.3
2060TB35	2012	1/2 - 2	8.78	8.367	35	1	.459	1 1/4	3 7/8	8.6
For **No. 2080,** 2" Extended Pitch Roller Chain										
2080TB17	2012	1/2 - 2	5.95	5.536	17	1	.575	1 1/4	3 7/8	4.8
2080TB19	2517	1/2 - 2 1/2	6.59	6.160	19	1	.575	1 3/4	4 1/4	9.0
2080TB21	2517	1/2 - 2 1/2	7.23	6.785	21	1	.575	1 3/4	4 1/4	9.7
2080TB23	2517	1/2 - 2 1/2	7.88	7.413	23	1	.575	1 3/4	4 1/4	10.8
2080TB25	2517	1/2 - 2 1/2	8.52	8.042	25	1	.575	1 3/4	4 1/4	11.7
2080TB35	2517	1/2 - 2 1/2	11.71	11.156	35	1	.575	1 3/4	4 1/4	19.3

***NOTE — Chain engages every other tooth in sprocket.**

Standard Keyseats

Table No. 3

Bore Range	Keyseat
3/8" — 7/16"	None
1/2 — 9/16	1/8" x 1/16"
5/8 — 7/8	3/16 x 3/32
15/16 — 1 1/4	1/4 X 1/8
1 5/16 — 1 3/8	5/16 X 5/32
1 7/16 — 1 3/4	3/8 X 3/16
1 13/16 — 2 1/4	1/2 x 1/4
2 5/16 — 2 3/4	5/8 x 5/16

1 3/8" Bore Bushings also available with 3/8" x 3/16" Keyseat.

Notes:

Morse® HV drives

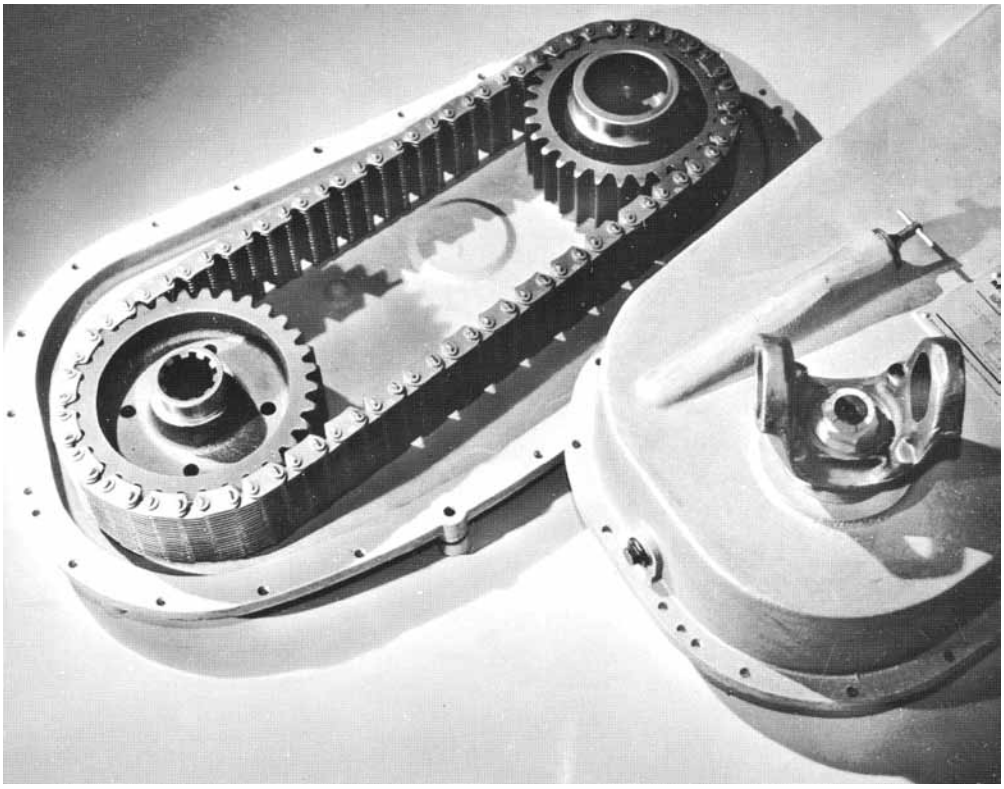
Morse HV Drives provide the Drive Designer with a new concept in the transmission of power for high speed, high load applications. Proven in a wide range of applications from high production automobiles to custom-designed flood control pumps. HV Drives offer opportunity for flexibility, compactness, weight saving, and economy.

design advantages

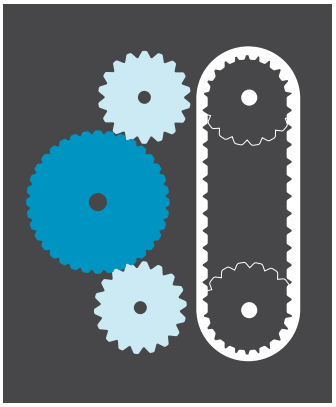
HV Drives offer these design advantages:

- Fewer shafts and bearings than required for gears.
- Lighter loads on shaft bearings.
- Greater degree of elasticity than is available with gears, which helps to "cushion" the drive.
- Center distance is less critical, and more flexible than with gears.
- Gives long life on fixed centers . . usually eliminates need for adjustment.
- Loading between shafts on drive is compressive permitting the use of smaller bearings and lighter housing sections and materials.

results ... less weight, space, noise ... and less cost for parts and assembly.



design features

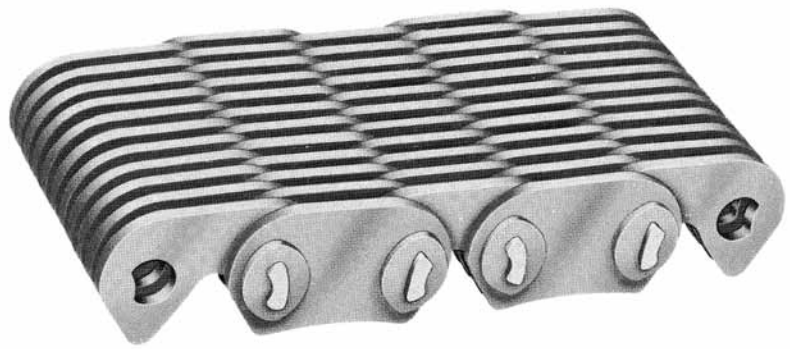


- **High Speed Performance**
- **High Horsepower Small Space**
- **Smooth**
- **Quiet**

What is HV?

HV is a proven transmission drive with a design and capability entirely unique from the usual chain drive which combines the smoothness of a belt drive with the strength, compactness, economy, and long service life of a steel chain.

The chain assembly is composed of a series of inverted tooth steel links, laced in alternate sections across the width of the chain. It is assembled with two steel pins having the same cross-section geometry, one called the pin and the other the rocker, which form the articulating link joint between the link sections. See page I-8 for chain dimensions.



1 1/2 and 2 inch Pitches

3/8, 1/2, 3/4 and 1 inch Pitches

HV link

The link design in the original HV pitches - 3/4, 1, 1 1/2 and 2 inch (Fig. 1) has been tested in practice and proven for many years. The link crotch is located slightly above the line of pull and all corners are rounded to minimize the possibility of stress risers and to help provide maximum performance on high load industrial application.

With the introduction of 3/8 and 1/2 inch pitch chains (Fig. 2). Morse engineers developed a new link contour for increased speed requirements. This design for the two smaller pitches locates the link crotch below the line of pull. Photo-elastic studies of various link shapes and aperture positions produced the design with the lowest level of stress concentration. In addition, other research studies provided the results for proper metallurgy, toe length, back height, and pressure angle to achieve maximum load carrying capacity and high speed performance.

Carefully controlled shot-peening of the links gives them a uniform, matte gray finish and results in the highest level of link fatigue resistance. Another reason for the HV high load performance.

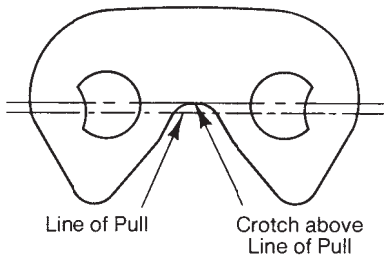


Fig. 1 1 1/2 and 2 inch Pitches

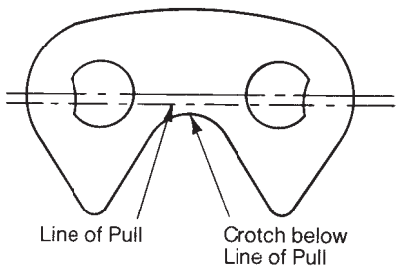


Fig. 2 3/8, 1/2, 3/4 and 1 inch Pitches

concentric pin and rocker joint

The concentric pin and rocker joint is used in all pitches of HV chain. This joint (Fig. 3) in combination with the involute sprocket tooth design reduces chordal action to a minimum. The HV chain joint consists of a pin and rocker, each with identical cross-sections and concentric radii. In the process of the chain engaging sprocket teeth, the curved surfaces roll on one another thus reducing sliding friction and joint galling. Before the chain engages the sprocket teeth, the contact point of the HV pin and rocker remains below the pitch line (Fig. 4).

As the chain engages the sprocket teeth, the contact point moves upward (Fig. 5) and the pitch of the chain elongates. The actual amount of pitch elongation is that required for the chain to wrap the sprocket along the pitch line.

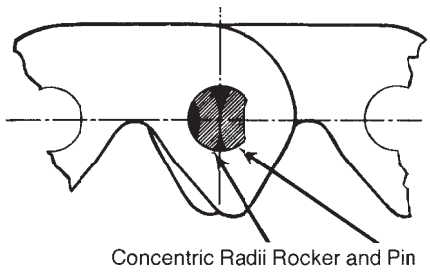


Fig. 3

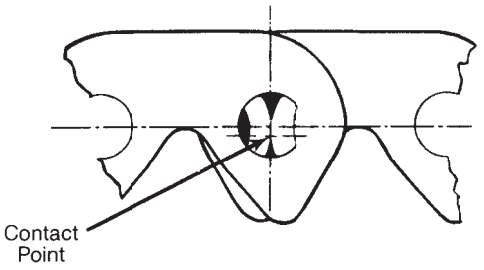


Fig. 4

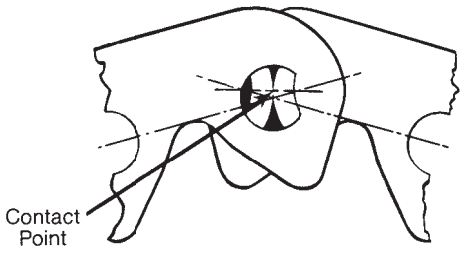


Fig. 5

HV sprockets

The third criteria for the success of HV is the mating sprockets which complete the drive.

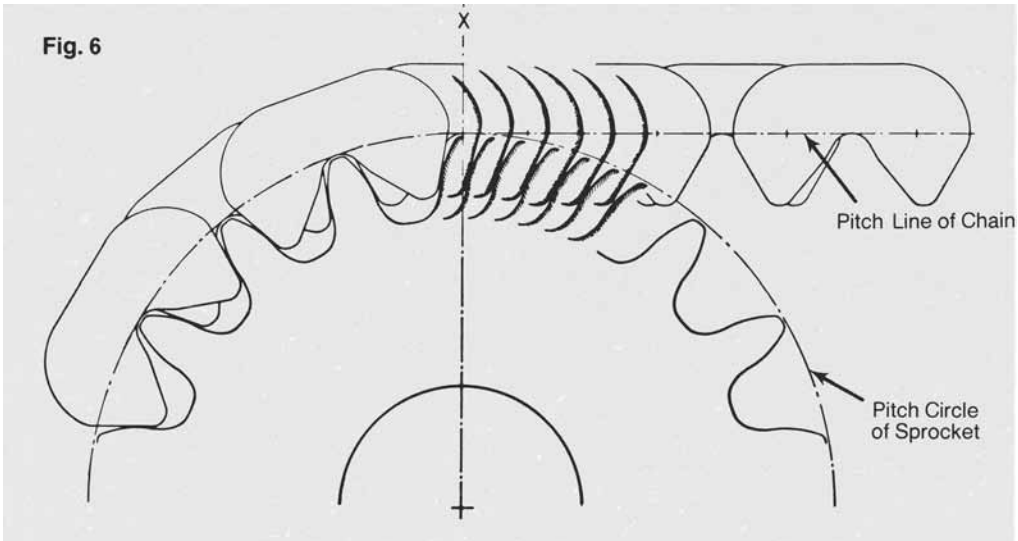
The involute tooth form differing from the straight sided teeth of conventional silent chain sprockets is designed for smooth engagement of the chain with the sprocket teeth. All HV sprockets are top-hobbed and the teeth heat treated for tough wear resistant surfaces. Unlike the single tooth engagement of spur gears, many teeth share the load of a HV drive. This load sharing of the sprocket teeth results in low stresses, less wear, and long sprocket life.

chordal action

The compatible design of HV links, joints, and sprockets reduces the detrimental effects of chordal action to a minimum, the chordal action of conventional chain drives is the vibratory motion caused by the rise and fall of the chain as it engages sprocket teeth. This motion causes vibration and limits high speed load carrying capability. Of all types of chains, HV operates most efficiently at all speeds because chordal action is reduced to a minimum.

Figure 6 shows how the HV chain enters approximately tangent to the pitch circle of the sprocket and maintains this position as it travels around the sprocket. This smooth HV engagement permits high speed capabilities with maximum efficiency and quietness.

Fig. 6



You get more with HV!

The HV link design, compensating pin and rocker joint and the involute hobbed sprockets add up to . .

- **HIGH SPEED PERFORMANCE**
  Normal operating range from 3,000 to 7,000 FPM with higher speed capability under special conditions.

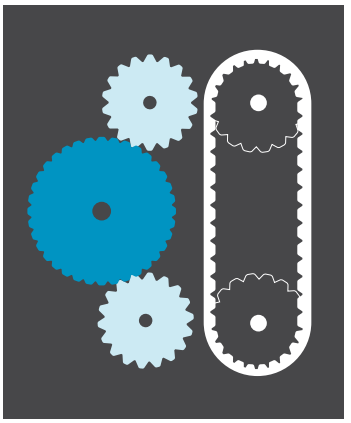
- **HIGH HORSEPOWER IN A NARROW WIDTH**
  HV transmits more horsepower per width than any other chain or belt with range from low to several thousand horsepower.

- **SMOOTH PERFORMANCE**
  The rolling action of chain joints and smooth chain-sprocket engagement does not induce vibrations.

- **HIGH EFFICIENCY**
  Up to 99.7% efficiency means power loss is minimal.

- **QUIET-NOISELESS OPERATION**
  HV is the most quiet drive on high speed applications.

design features



- **High Speed Performance**
- **High Horsepower Small Space**
- **Smooth**
- **Quiet**

SEVEN good reasons to use HV in your design!

When gear trains of two or more meshes are needed to achieve center distance requirements—HV transfer cases provide weight and cost savings because:

1. **FEWER SHAFTS** and Bearings are required.
2. **LIGHTER LOADS** on Shaft Bearings.
3. **CHAIN BEARING LOADS** are compressive, placing case in compression. Gear forces are outward subjecting case to more stress.
4. **ELASTICITY OF HV CHAIN** accommodates normal thermal expansion, which helps "cushion" the drive.
5. **CENTER DISTANCE IS LESS CRITICAL** and more flexible than required by gear mesh
6. **HV CASES ARE LIGHTER** and the
7. **SIMPLIFIED DESIGN** results in a positive cost saving.

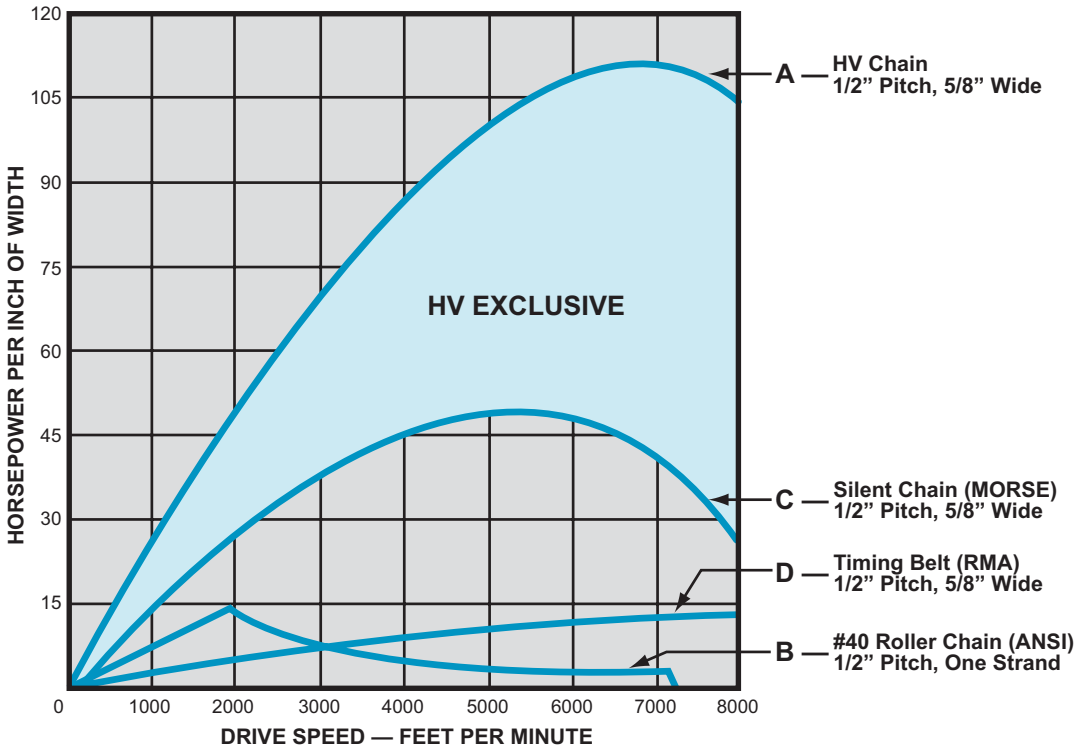
3/8, 1/2, 3/4 and 1 inch Pitches

power comparison with other drives

The comparative rating curves show graphically the area of HV superiority over other types of chain and positive drive belts. The shaded area indicates that the capacity of HV far surpasses that of other power transmission drives because of its...

- **LOAD CARRYING CAPACITY**
- **SMOOTHNESS**
- **HIGH SPEED PERFORMANCE**
- **QUIETNESS**

horsepower capacity — comparable drives



ANSI — American National Standards Institute
RMA — Rubber Manufacturers Association

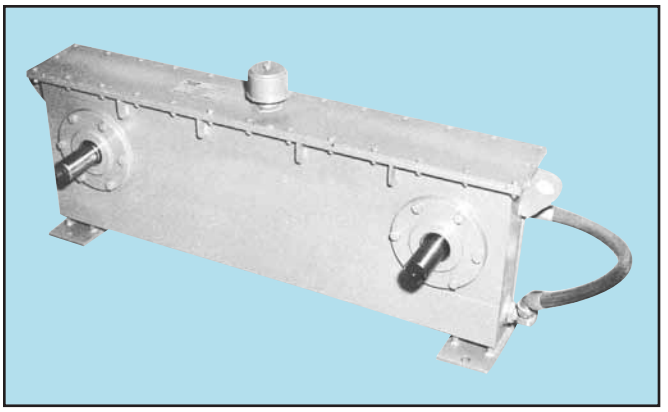
Consider the comparisons below. Higher and lower ratings and/or speed capabilities are possible with other pitches and widths

Chain or Belt from Above Graph	Peak HP	Peak feet/ Minute	horsepower Per $	Quiteness	Smoothness	Flexibility	Compactness
A (HV)	112	6,675	# 1	# 1	# 1	# 1	# 1
B (Roller Chain)	30	1,225	# 2	# 3	# 3	# 1	# 2
C (Silent Chain)	50	5,230	# 3	# 2	# 2	# 1	# 3
D (Timing Belt)	14	7,768	# 4	# 2	# 2	# 2	# 4

package HV drives

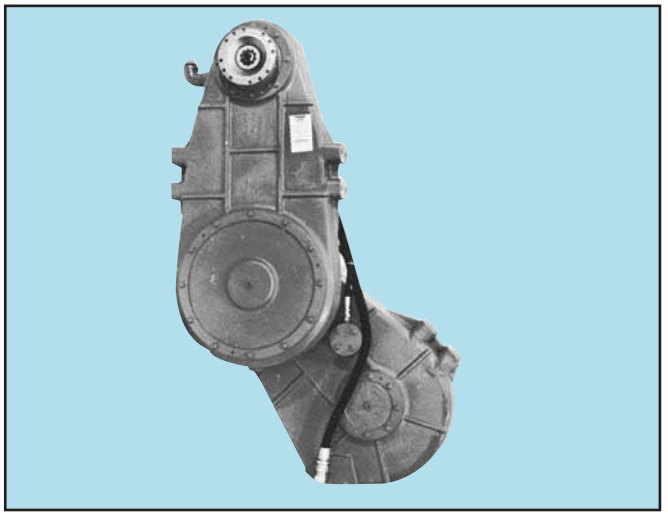
Photographs below and on the following page are examples of HV packaged drives, custom designed to meet particular space, speed and load requirements. HV packaged drives offer the designer. . .

- **DESIGN SIMPLICITY**
- **QUIET OPERATION**
- **CASE COMPACTNESS**
- **HIGH SPEED CAPABILITY**
- **CENTER DISTANCE FLEXIBILITY**
- **SMOOTH POWER TRANSFER**



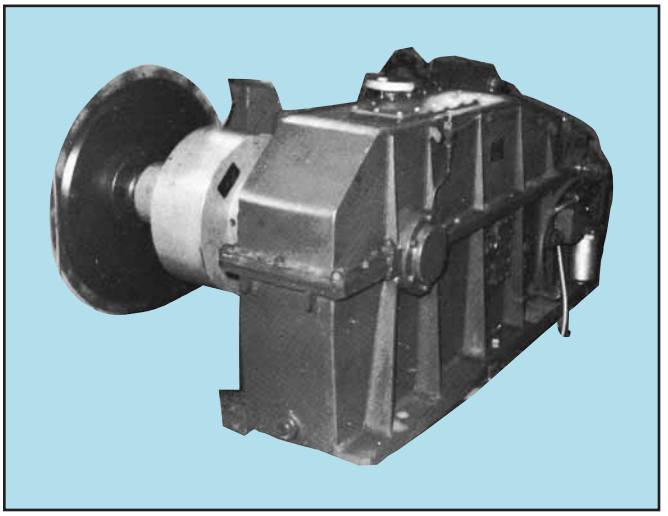
Centrifugal Blower Drive

Power from a 125 HP, 3500 RPM electric motor is transmitted through a HV transfer case with self-contained lubrication system to a centrifugal blower at 3100 RPM over a 34 inch horizontal center distance. This drive operates 24 hours a day to provide smooth, quiet, maintenance free operation in a critical power plant application.



Highway Snow Blower Drive

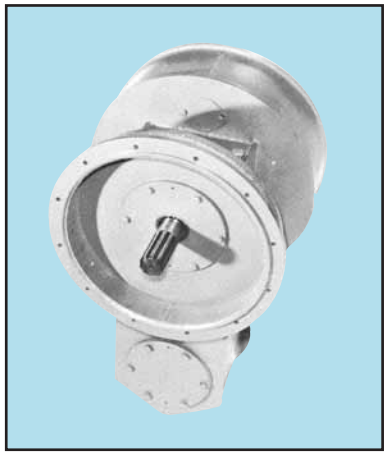
Power from an auxiliary 465 HP rear of cab mounted diesel engine is directed downward through a two stage HV reduction unit with 4.85 to 1 total ratio to enable a drive shaft to pass forward under the cab to a snow auger and blower assembly. The characteristics of HV drives are particularly suited to this application because of their ability to transmit power smoothly in a minimum of space and absorb the heavy shocks encountered in highway snow removal.



Centrifugal Compressor Drive

Power from a 1200 RPM natural gas engine is transmitted continuously thru a HV speed increaser with an integral lubrication system. The output of the case drives a centrifugal compressor absorbing 282 HP at 3600 RPM. A Morse radial coupling connection on the input side of the case dampens engine torsional vibrations. The HV drive is quiet, highly efficient and allows for convenient layout of engine and compressor.

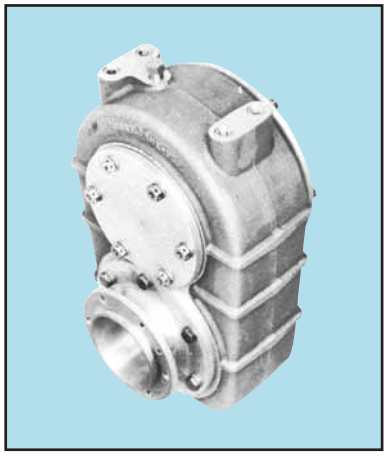
package HV drives



Fire Truck—Pump Drive

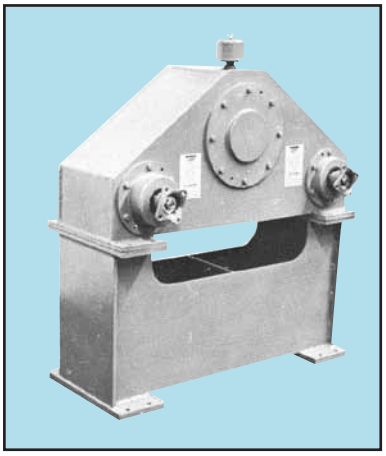
Power from V-8 engine is transmitted through a pair of HV packaged drives to provide full torque power take-off at a 1.24 to 1 reduction ratio for driving discharge water pumps.

HV drive was selected because of low noise level, compact design, and high efficiency.



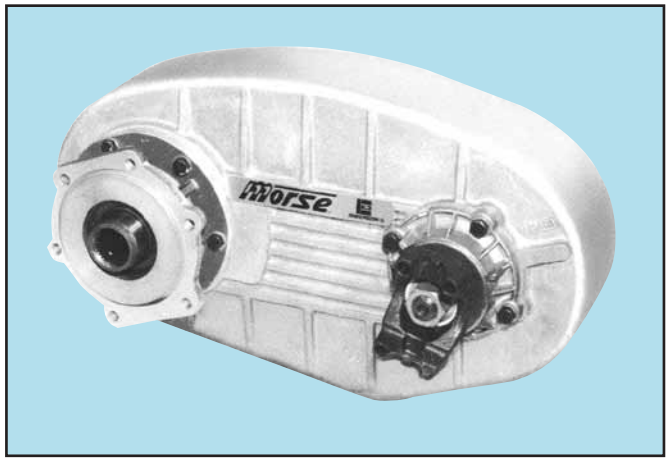
Swamp Boat Drive

The output from a 45 HP air-cooled gasoline engine is reduced from 4400 RPM to 2750 RPM to drive the propeller of a low draft swamp boat. This application of a HV chain case resulted in increased propulsive efficiency through the use of a larger diameter, slower turning propeller which also contributed to reduced operating noise level.



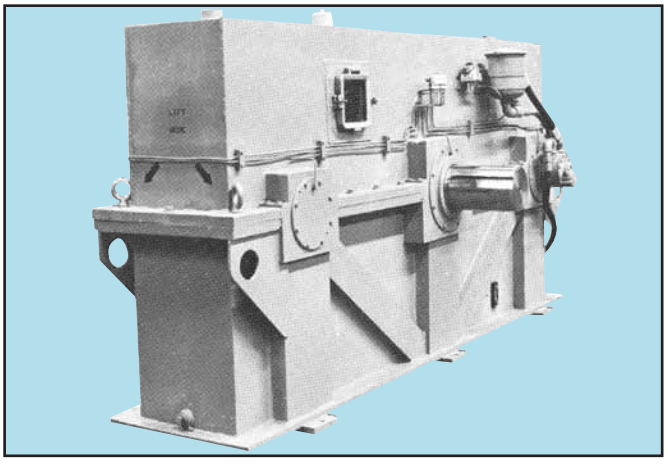
Test Stand Drive

The combined power from two 500 HP automotive V-8 engines is transmitted thru a dual ratio HV drive to a single output shaft which drives a cable winch propelling full-sized passenger cars into a fixed barrier for crash evaluation and testing. Flexibility of HV case design provided the specific ratios in the center distance and space requirements.



Recreational Vehicle

This HV transfer case drives the wheels of a 7-ton recreational vehicle. Power from a 454 cubic inch Chevrolet engine, thru a torque converter, and a 3 speed transmission is transmitted by a Morse HV transfer case with 370 lbs. ft. max. torque at 2800 RPM. This HV drive was used because it offered the RV industry maximum space utilization while still satisfying heavy load requirements.

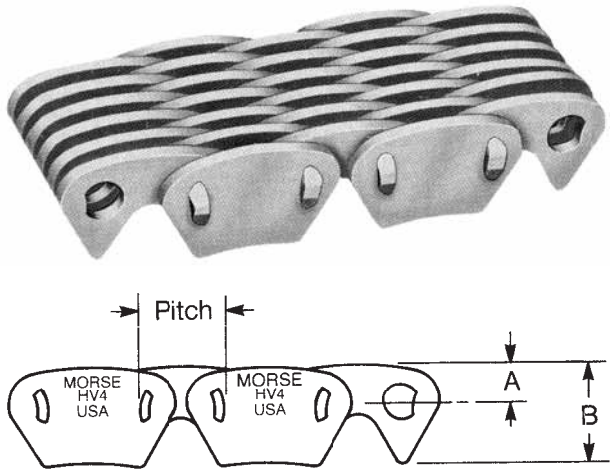


Dredge Pump Drive

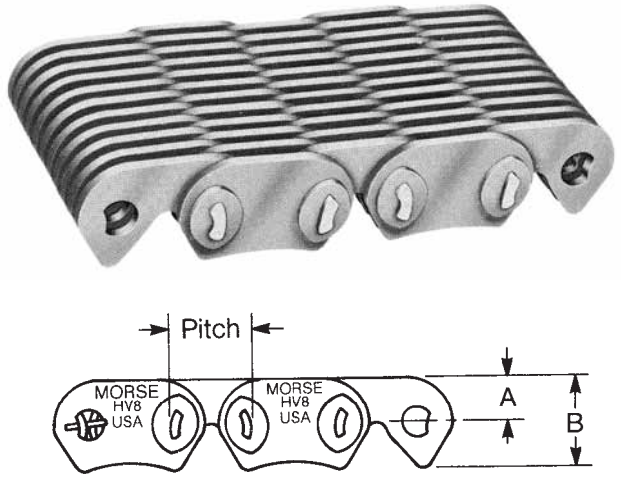
A pair of 1125 HP diesel engines are connected to input shafts of HV packaged drive. The dual 2.7 to 1 reduction ratio provides power to a single output shaft at 460 RPM to rotate a 66 inch diameter pump impeller. The HV drive was custom designed to meet limited space requirements.

HV Chain dimensions

Press Fit Guide Links
Type 63 - 139



Press Fit Guide Links
Type 61 - 115



3/8, 1/2, 3/4 and 1

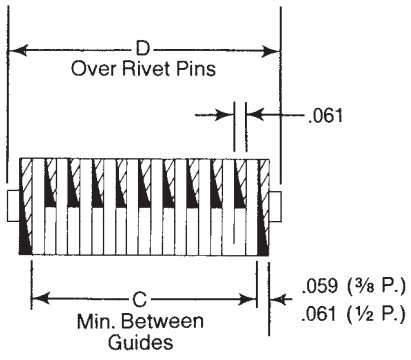
Chain Pitch Inches	* A Inches	Height of Chain B Inches
3/8	.169 ± .004	.428 ± .002
1/2	.225 ± .004	.570 ± .002
3/4	.387 ± .006	.855 ± .003
1	.450 ± .008	1.140 ± .004

*A = Height of chain above Nominal Pitch Diameter of Sprocket

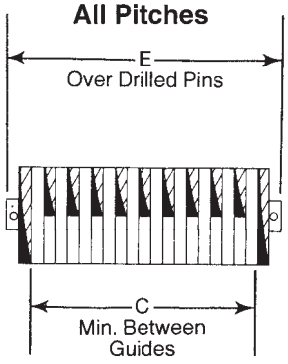
1 1/2 and 2 Inch Pitch HV

Chain Pitch Inches	*A Inches	Height of Chain B Inches
1 1/2	.810 ± .010	1.645 ± .005
2	1.080 ± .012	2.193 ± .007

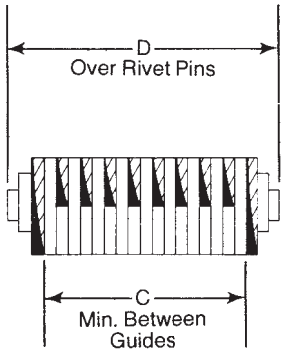
Press Fit Guide Type Assemblies
3/8, 1/2, 3/4 and 1 Inch Pitch



Connecting Pin
Spiral Pin Types
All Pitches



Washer Type Assemblies
1 1/2, 2 Inch Pitch



3/8 and 1/2 inch Pitch HV Chains

Chain Nominal Width Inches	C	D	E
3/4	.685	.895	1.029
1	.937	1.147	1.281
1 1/2	1.441	1.651	1.785
2	1.945	2.155	2.289
3	2.945	3.155	3.289
4	3.945	4.155	4.289
5	4.945	5.155	5.289

3/4, 1 1/2 and 2 Inch Pitch HV Chains

Chain Pitch Inches	*Width For First Inch		
	C	D	E
3/4	.932	1.203	1.367
1	.892	1.785	1.545
1 1/2	.621	1.315	1.355
2	.508	1.400	1.422

* For widths greater than 1 in. add width desired minus 1 in. to above dimensions. Example: 3/4 pitch, 2 inch wide, the width between guides is 1.750 inches.

HV chain

(1) HV Chain Designation	(2) Nominal Width Inches	Average Ultimate Tensile Stength In Pounds	Average Wt. Per Foot In Pounds
3/8 Inch Pitch			
HV-303	3/4	5,625	.65
HV-304	1	7,500	.86
HV-306	1 1/2	11,250	1.30
HV-308	2	15,000	1.73
HV-312	3	22,500	2.59
1/2 Inch Pitch			
HV-404	1	10,000	1.15
HV-406	1 1/2	15,000	1.73
HV-408	2	20,000	2.30
HV-412	3	30,000	3.45
HV-416	4	40,000	4.60
3/4 Inch Pitch			
HV-606	1 1/2	22,500	2.60
HV-608	2	30,000	3.50
HV-612	3	45,000	5.20
HV-616	4	60,000	6.90
HV-620	5	75,000	8.60

(1) HV Chain Designation	(2) Nominal Width Inches	Average Ultimate Tensile Strength In Pounds	Average Wt. Per Foot In Pounds
1 Inch Pitch			
HV-808	2	40,000	4.60
HV-812	3	60,000	6.90
HV-816	4	80,000	9.20
HV-820	5	100,000	11.50
HV-824	6	120,000	13.80
1 1/2 Inch Pitch			
HV-1212	3	90,000	10.40
HV-1216	4	120,000	13.80
HV-1220	5	150,000	17.30
HV-1224	6	180,000	20.70
2 Inch Pitch			
HV- 1612	3	120,000	13.80
HV- 1616	4	160,000	18.40
HV- 1620	5	200,000	23.00
HV- 1624	6	240,000	27.60

(1) Above chain sizes are stock in 10 ft. boxes. Each stock (10 ft.) and cut-to-length chains are supplied with one connecting pin set. Offset sections are not available.
(2) Widths other than listed are available for special, approved applications.

HV drive selection

1. Determine the R.P.M. and diameter of the high speed shaft.
2. Determine the total horsepower to be transmitted.
3. Determine proper service factor from table on page I-10.
4. Establish Design Horsepower by multiplying total horsepower to be transmitted by the proper service factor.
5. Select the chain pitch and width and number of teeth in the small sprocket from the Horsepower Rating Tables.
   a. Be sure the small sprocket will accommodate the high speed shaft diameter.
   b. If the high speed shaft diameter exceeds the maximum bore in the selected small sprocket it will be necessary either to increase the number of teeth in the sprocket or select the next larger pitch chain.
6. Determine the required ratio:
   $$\frac{\textbf{RPM high speed shaft}}{\textbf{RPM slow speed shaft}} = \textbf{Ratio}$$
7. Multiply the number of teeth in the small sprocket by the ratio to obtain the number of teeth in the large sprocket.
8. Turn to page I-11 to calculate chain length. HV drives use modified center distances to compensate for chain and sprocket tolerance as determined on page I-18.

CAUTION: RELATIVE TO APPLICATIONS INVOLVING THE HANDLING OF PEOPLE, CONTACT APPLICATION ENGINEERING AT 800 626-2093 MUST BE CONSULTED PRIOR TO DRIVE SELECTION.

service factors

The Horsepower rating tables (pages I-12 and I-13) are for use under optimum drive conditions with a smooth power source and load. For less favorable conditions with moderate or heavy shock loads from either the power source and/or the load, the specified horsepower must be multiplied by a "Service Factor" (SF) to obtain a "Design Horsepower" (DHP). The "Design Horsepower" is used to obtain the chain selection from the rating tables. **Recommendations are minimum and normal conditions are assumed.**

Prime Mover	TYPE
Internal Combustion Engine with Hydraulic Coupling or Torque Converter Electric Motor Turbine Hydraulic Motor	A
Internal Combustion Engine with Mechanical Drive	B

service factor table

APPLICATION	Type of Prime Mover A	B
AGITATORS (paddle or propeller)		
Pure liquid	1.1	1.3
Liquids — variable density	1.2	1.4
BAKER MACHINERY		
Dough Mixer	1.2	—
BLOWERS	See Fans	
BREWING & DISTILLING EQUIPMENT		
Bottling Machinery	1.0	—
Brew Kettles, cookers, mash tubs	1.0	—
Scale Hopper—Frequent starts	1.2	—
BRICK & CLAY EQUIPMENT		
Auger nachines, cutting table	1.3	1.5
Brick machines, dry press, & granulator	1.4	1.6
Mixer, pug mill, & rolls	1.4	1.6
CENTRIFUGES	1.4	1.6
COMPRESSORS		
Centrifugal & rotary (lobe)	1.1	1.3
Reciprocating		
1 or 2 cyl.	1.6	1.8
3 or more	1.3	1.5
CONSTRUCTION EQUIPMENT OR OFF-HIGHWAY VEHICLES		
Drive line duty, power take-off, accessory drives	Consult Morse	
CONVEYOR		
Apron, bucket, pan & elevator	1.4	1.6
Belt (ore, coal, sand, salt)	1.2	1.4
Belt-light package, oven	1.0	1.2
Screw & flight (heavy duty)	1.6	1.8
CRANES & HOISTS		
Main hoist—medium duty	1.2	1.4
Main hoist—heavy duty, skip hoist	1.4	1.6

APPLICATION	Type of Prime Mover A	B
CRUSHING MACHINERY		
Ball mills, crushing rolls, jaw crushers	1.6	1.8
DREDGES		
Conveyors, cable reels	1.4	1.6
Jigs & screens	1.6	1.8
Cutter head drives	Consult Morse	
Dredge pumps	See Pumps	
FANS & BLOWERS		
Centrifugal, propeller, vane	1.3	1.5
Positive blowers (lobe)	1.5	1.7
GRAIN MILL MACHINERY		
Sifters, purifiers, separators	1.1	1.3
Grinders and hammer mills	1.2	1.4
Roller mills	1.3	1.5
GENERATORS & EXCITERS	1.2	1.4
MACHINE TOOLS		
Grinders, lathes, drill press	1.0	—
Boring mills, milling machines	1.1	—
MARINE DRIVES	Consult Morse	
MILLS		
Rotary type:		
Ball, Pebble, Rod, Tube, Roller	1.5	1.7
Dryers, Kilns, & tumbling barrels	1.6	1.8
Metal Type:		
Draw bench carriage & main drive	1.5	—
Forming Machines	Consult Morse	
MIXERS		
Concrete	1.6	1.8
Liquid & Semi-liquid	1.1	1.3
OIL INDUSTRY MACHINERY		
Compounding Units	1.1	1.3
Pipe line pumps	1.4	1.6
Slush pumps	1.5	1.7
Draw works	1.8	2.0
Chillers, Paraffin filter presses, Kilns	1.5	1.7

APPLICATION	Type of Prime Mover A	B
PAPER INDUSTRY MACHINERY		
Agitators, bleachers	1.1	1.3
Barker—mechanical	1.6	1.8
Beater, Yankee Dryer	1.3	1.5
Calendars, Dryer & Paper Machines	1.2	1.4
Chippers & winder drums	1.5	1.7
PRINTING MACHINERY		
Embossing & flat bed presses, folders	1.2	—
Paper cutter, rotary press & linotype machine	1.1	—
Magazine & newspaper presses	1.5	—
PUMPS		
Centrifugal, gear, lobe & vane	1.2	1.4
Dredge	1.6	1.8
Pipe line	1.4	1.6
Reciprocating		
3 or more cyl.	1.3	1.5
1 or 2 cyl.	1.6	1.8
RUBBER & PLASTICS INDUSTRY EQUIPMENT		
Calendar, rolls, tubers		
Tire-building and Banbury Mills	1.5	1.7
Mixers and sheeters	1.6	1.8
Extruders	1.5	1.7
SCREENS		
Conical & revolving	1.2	1.4
Rotary, gravel, stone & vibrating	1.5	1.7
STOKERS	1.1	—
TEST STANDS & DYNAMOMETERS	Consult Morse	
TEXTILE INDUSTRY		
Spinning frames, twisters, wrappers & reels	1.0	—
Batchers, calendars & looms	1.1	—

chain length calculations

Determine the chain length based on a given center distance and sprocket teeth as follows:

1. Divide the center distance in inches by pitch of chain obtaining ..... **C**
2. Add teeth in the small sprocket (n) to the teeth in the larger sprocket (N) obtaining ..... **S**
3. Subtract the teeth in the small sprocket (n) from the teeth in the large sprocket (N) obtaining value of ..... **D**
   From the table below obtain the corresponding value of **K**
4. Chain length in pitches **(L)** = $2C + \frac{S}{2} + \frac{K}{C}$

   Chain length must be determined to the nearest even number of pitches. Center distance will have to be recalculated (step 6).
5. Chain length in feet equals the chain length in pitches times the pitch in inches divided by 12.
6. After finding the chain length to the nearest number of even pitches from Step 4, the nominal center distance must be determined to three decimal places. Center distance tables should be used or contact Morse for this value of nominal center distance. The above formula for determining chain length cannot be used to solve for correct center distance.
7. With fixed center distance drives the modified center distance is determined as noted on Page I-18.

Example

Given: N = 60, n = 25, P = 1/2 inch.
Center Distance (CD) = 24 inches

Determine:

(a) chain length (L) to nearest even number of pitches
(b) determine the center distance based on actual number of pitches (L).

Solution:

(1) **C = 24" ÷ 1/2 = 48**
(2) **S = (25 +60) = 85**
(3) **D = (60 - 25) = 35** corresponding **K = 31.03**

(4) **L = (2 X 48) + $\frac{85}{2}$ + $\frac{31.03}{48}$**

L = 139.15 + .85 = 140 pitches
(nearest even number)

(5) **L (in feet) = 5.8333 feet** (140 x 1/2 ÷12).

(6) Nominal center distance must be obtained from center distance tables and in this instance CD in inches = 24.124. If center distance tables are not in your possession please contact Morse for correct CD calculation.

D	K	D	K	D	K	D	K	D	K	D	K
1	.03	32	25.94	63	100.54	94	223.82	125	395.79	156	616.44
2	.10	33	27.58	64	103.75	95	228.61	126	402.14	157	624.37
3	.23	34	29.28	65	107.02	96	233.44	127	408.55	158	632.35
4	.41	35	31.03	66	110.34	97	238.33	128	415.01	159	640.38
5	.63	36	32.83	67	113.71	98	243.27	129	421.52	160	648.46
6	.91	37	34.68	68	117.13	99	248.26	130	428.08	161	656.59
7	1.24	38	36.58	69	120.60	100	253.30	131	434.69	162	664.77
8	1.62	39	38.53	70	124.12	101	258.39	132	441.36	163	673.00
9	2.05	40	40.53	71	127.69	102	263.54	133	448.07	164	681.28
10	2.53	41	42.58	72	131.31	103	268.73	134	454.83	165	689.62
11	3.06	42	44.68	73	134.99	104	273.97	135	461.64	166	698.00
12	3.65	43	46.84	74	138.71	105	279.27	136	468.51	167	706.44
13	4.28	44	49.04	75	142.48	106	284.67	137	475.42	168	714.92
14	4.96	45	51.29	76	146.31	107	290.01	138	482.39	169	723.46
15	5.70	46	53.60	77	150.18	108	295.45	139	489.41	170	732.05
16	6.48	47	55.95	78	154.11	109	300.95	140	496.47	171	740.60
17	7.32	48	58.36	79	158.09	110	306.50	141	503.59	172	749.37
18	8.21	49	60.82	80	162.11	111	312.09	142	510.76	173	758.11
19	9.14	50	63.33	81	166.19	112	317.74	143	517.98	174	766.90
20	10.13	51	65.88	82	170.32	113	323.44	144	525.25	175	775.74
21	11.17	52	68.49	83	174.50	114	329.19	145	532.57	176	784.63
22	12.26	53	71.15	84	178.73	115	334.99	146	539.94	177	793.57
23	13.40	54	73.86	85	183.01	116	340.84	147	547.36	178	802.57
24	14.59	55	76.62	86	187.34	117	346.75	148	554.83	179	811.61
25	15.83	56	79.44	87	191.73	118	352.70	149	562.36	180	820.70
26	17.12	57	82.30	88	196.16	119	358.70	150	569.93	181	829.85
27	18.47	58	85.21	89	200.64	120	364.76	151	577.56	182	839.04
28	19.86	59	88.17	90	205.18	121	370.86	152	585.23	183	848.29
29	21.30	60	91.19	91	209.76	122	377.02	153	592.96	184	857.58
30	22.80	61	94.25	92	214.40	123	383.22	154	600.73	185	866.93
31	24.34	62	97.37	93	219.08	124	389.48	155	608.56	...	.....

Note: (Relating to service factor) Recommendations are minimum and normal conditions are assumed.

HV horsepower rating tables

Preliminary drive selection of chain and sprockets may be obtained from the tables below. **However, Morse suggests that all HV drive Selections be submitted to our Engineering Department for final confirmation.**

Since more than one pitch will work well in most situations it may be desirable to make two or three choices and base final selection on the features most important in the design such as cost, stock chain and sprocket availability, size of drive, noise level (small pitches are quieter), loading (larger pitches carry greater load), and smoothness.

3/8 INCH PITCH HP per inch of width based on no. of teeth in small sprocket

RPM / No. Teeth	1200	1800	2400	3000	3600	4200	4800	5400	6000	6600	7200	7800	8400	9000	9600
19	19	28	37	45	54	62	69	76	83	89	94	99	102	105	107
21	20	31	40	50	59	67	75	83	89	95	100	104	106	108	108
23	22	33	44	54	64	73	81	88	95	100	104	107	108	108	
25	24	36	48	58	68	78	86	93	99	104	107	108			
27	26	39	51	63	73	83	91	98	103	107	108				
29	28	42	55	67	77	87	95	101	106	108					
31	30	44	58	70	82	91	99	104	108	108					
33	32	47	61	74	86	95	102	107	108						
35	34	50	65	78	89	98	105	108							
37	36	52	68	81	93	101	107	108							
39	38	55	71	85	96	104	108								
41	39	58	74	88	98	106	108								
43	41	60	77	91	101	107	108								

1/2 INCH PITCH HP per inch of width based on no. of teeth in small sprocket

RPM / No. Teeth	900	1200	1500	1800	2100	2400	2700	3000	3600	4200	4800	5400	6000	6600	7200
19	28	38	47	56	65	74	83	91	107	122	136	148	159	167	173
21	31	42	52	62	72	82	91	100	117	133	146	158	167	174	178
23	34	46	57	68	78	89	99	108	126	142	155	166	174	178	
25	37	50	62	73	85	96	106	116	135	151	163	172	178		
27	40	53	66	79	91	102	114	124	143	158	170	177			
29	43	57	71	84	97	109	121	131	150	165	174				
31	46	61	76	90	103	116	127	138	156	170	177				
33	49	65	80	95	109	122	134	145	162	174					
35	52	69	85	100	114	128	140	151	167	177					
37	55	72	89	105	120	133	145	156	171	178					
39	58	76	94	110	125	139	151	161	175						
41	61	80	98	115	130	144	156	165	177						
43	63	83	102	119	135	149	160	169	178						

3/4 INCH PITCH HP per inch of width based on no. of teeth in small sprocket

RPM / No. Teeth	600	900	1200	1500	1800	2100	2400	2700	3000	3300	3600	3900	4200	4500	4800
19	40	59	78	97	115	132	148	164	178	191	203	213	222	229	234
21	44	65	86	106	126	144	161	177	192	205	216	225	231	236	238
23	48	71	94	116	136	156	174	190	204	216	226	233	237	238	236
25	52	77	101	125	147	167	185	201	215	225	233	237	238	235	228
27	56	83	109	134	157	177	196	211	223	232	237	238	234		
29	60	89	116	142	166	187	205	220	230	237	238	234			
31	64	95	124	151	175	196	214	227	235	238	235				
33	68	100	131	159	184	205	221	232	238	237	229				
35	72	106	138	167	192	212	227	236	238	232					
37	76	112	145	174	199	219	232	238	236						
39	80	117	152	182	206	225	236	238	231						
41	84	123	158	188	213	229	238	236							
43	88	128	164	195	218	233	238	232							

For best drive performance, use 25 teeth or more on small sprocket.
Forced pump lubrication is recommended.
Bath lubrication is satisfactory for applications to the left of the heavy line.
For HP values at higher speeds than shown, consult Technical Services.

HV horsepower rating tables (continued)

1 INCH PITCH HP per inch of width based on no. of teeth in small sprocket

RPM / No. Teeth	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3300	3600
19	66	87	108	128	148	167	185	202	217	232	245	257	267	278	286
21	72	96	119	141	162	182	201	218	234	248	261	271	279	287	289
23	79	105	129	153	175	196	216	233	249	262	273	281	287	289	284
25	86	113	140	165	188	210	230	247	262	273	282	287	289	284	269
27	93	122	150	176	201	223	242	259	272	282	287	289	286	272	
29	99	130	160	187	213	235	254	269	280	287	289	286	276		
31	106	139	170	198	224	246	264	277	286	289	286	276			
33	112	147	179	208	234	255	272	283	289	287	279				
35	119	155	188	218	244	264	279	287	288	282					
37	125	163	197	227	253	272	284	289	285	272					
39	131	171	206	236	261	278	287	288	279						
41	138	178	214	244	268	283	289	285							
43	144	186	222	252	274	286	288	278							

1 1/2 INCH PITCH HP per inch of width based on no. of teeth in small sprocket

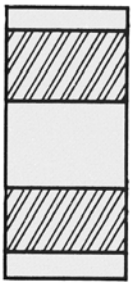
RPM / No. Teeth	200	300	400	500	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600
19	36	53	70	88	104	136	166	193	216	236	250	260	263	261	251
21	39	59	78	96	115	149	181	208	231	248	259	263	260	247	
23	43	64	85	105	125	162	194	222	243	257	263	260	246		
25	47	70	92	114	135	173	207	234	253	262	261	249			
27	50	75	99	122	144	185	218	244	259	263	254				
29	54	80	106	131	154	196	229	252	263	259					
31	58	86	113	139	163	206	238	258	263	250					
33	61	91	120	147	172	215	246	262	260						
35	65	96	126	155	181	224	253	263	252						
37	69	102	133	162	189	232	258	262	241						
39	72	107	140	170	197	239	261	258							
41	76	112	146	177	204	245	263	252							
43	80	117	152	184	212	251	263	242							

2 INCH PITCH HP per inch of width based on no. of teeth in small sprocket

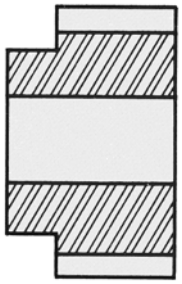
RPM / No. Teeth	200	300	400	500	600	700	800	900	1000	1100	1200	1400	1600	1800	2000
19	59	88	117	144	170	195	218	240	259	276	291	312	320	313	290
21	65	97	128	158	186	212	237	258	277	293	306	319	315	291	
23	71	106	140	172	201	229	253	275	292	306	315	318	299		
25	78	115	151	185	216	244	269	289	304	315	319	309			
27	84	124	162	198	230	258	282	301	313	319	318	291			
29	90	133	173	210	243	271	294	310	318	319	310				
31	96	141	184	222	255	283	303	316	320	313	296				
33	102	150	194	233	267	293	311	319	317	302					
35	108	158	204	244	277	302	316	319	309	285					
37	114	166	214	254	287	309	319	316	297						
39	119	174	223	264	295	314	320	309	281						
41	125	182	232	273	302	318	317	298							
43	131	190	241	281	308	320	312	283							

For best drive performance, use 25 teeth or more on small sprocket.
Forced pump lubrication is recommended.
Bath lubrication is satisfactory for applications to the left of the heavy line.
For HP values at higher speeds than shown, consult Technical Services.

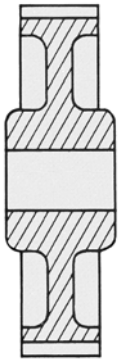
BASIC HUB TYPES



Type A
Flush with face of sprocket



Type B
Hub one side



Type C
Hub located centrally with projection both sides or hub can be the same length as sprocket face or offset as required.

HV sprocket information

sprockets

Are made for stock and Manufactured to order in accordance with Morse specifications. Are **Hobbed** with a generated involute tooth form. Have **Hardened Teeth** for wear resistance on tooth flanks.

materials

Sprockets up to 15 inches diameter are usually made from bar steel with larger sprockets manufactured from plate steel, forged slugs, Meehanite or steel castings. The type of material can vary depending upon requirements for delivery, quantity, sprocket design, and price. For example: Sprockets over 15 inches diameter can be made from meehanite or steel castings but, require somewhat longer manufacturing lead times for procurement of castings; if made of fabricated steel with welded hubs, shorter manufacturing lead times are realized but, the cost may be higher.

dimensions

Nominal pitch and outside diameters—Pages I-15 and I-16.

Maximum bores and hub diameters for sprocket sizes from 21 through 33 teeth. Face width dimensions.

tolerances

Bore diameters, keyseats and concentricity. Tolerances closer than shown can be furnished if required. The need for closer tolerances should be carefully considered in light of increased costs.

installation of sprockets

performance information

For maximum drive performance it is recommended that a minimum of 25 teeth be used in the small sprocket. However, it is permissible to use a minimum of 19 teeth in the small sprocket with reduced performance. Where drive design is under 25 teeth—consult Morse.

For most drives, an odd number of teeth in one of the sprockets is recommended. The use of idler sprockets is not recommended in HV drives.

Drives employing more than two sprockets per chain should be referred to Morse for review.

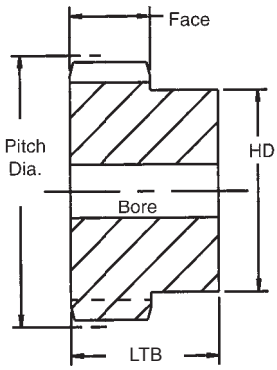
HV sprocket ordering information

Specify number of teeth, pitch, chain width or sprocket face, hub, type (if required). Unless specified, the length thru bore (LTB), hub diameter (HD), keyway, setscrew and tolerances will be to Morse standard specifications. Material of sprockets and tooth hardness will be to Morse standard specifications.

HV sprockets

3/8" pitch

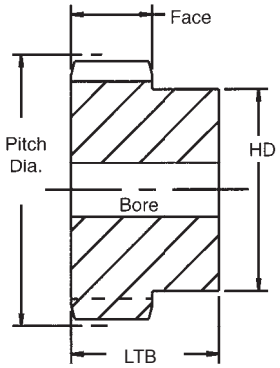
No. Teeth	Catalog No.	Pitch Dia. (in.)	Min. Plain Bore	Max. Bore	HD	LTB	Approx. Wt.
3/4" FACE WIDTH							
19	HV303B19	2.278	1/2	1 5/32	1 5/8	1 13/32	.9
21	HV303B21	2.516	1/2	1 9/32	1 7/8	1 13/32	1.2
23	HV303B23	2.754	1/2	1 3/8	2 1/8	1 13/32	1.5
25	HV303B25	2.992	3/4	1 5/8	2 3/8	1 13/32	1.8
27	HV303B27	3.230	3/4	1 3/4	2 5/8	1 13/32	2.2
29	HV303B29	3.468	3/4	1 13/16	2 7/8	1 13/32	2.6
31	HV303B31	3.707	3/4	2 1/8	3 3/32	1 13/32	3.1
38	HV303B38	4.541	3/4	2 7/8	3 15/16	1 13/32	5.0
42	HV303B42	5.018	3/4	3 5/16	4 13/32	1 13/32	6.3
57	HV303B57	6.807	1 1/4	4 1/2	6	1 13/32	11.7
76	HV303B76	9.074	1 1/4	4 1/2	6	1 13/32	16.7
1" FACE WIDTH							
19	HV304B19	2.278	1/2	1 5/32	1 5/8	1 5/8	1.1
21	HV304B21	2.516	1/2	1 9/32	1 7/8	1 5/8	1.4
23	HV304B23	2.754	1/2	1 3/8	2 1/8	1 5/8	1.8
25	HV304B25	2.992	3/4	1 5/8	2 3/8	1 5/8	2.1
27	HV304B27	3.230	3/4	1 3/4	2 5/8	1 5/8	2.6
29	HV304B29	3.468	3/4	1 13/16	2 7/8	1 5/8	3.1
31	HV304B31	3.707	3/4	2 1/8	3 3/32	1 5/8	3.6
38	HV304B38	4.541	3/4	2 7/8	3 15/16	1 5/8	5.8
42	HV304B42	5.018	3/4	3 5/16	4 13/32	1 5/8	7.4
57	HV304B57	6.807	1 1/4	4 1/2	6	1 5/8	13.7
76	HV304B76	9.074	1 1/4	4 1/2	6	1 5/8	20.6
1 1/2" FACE WIDTH							
19	HV306B19	2.278	1/2	1 5/32	1 5/8	2 5/32	1.5
21	HV306B21	2.516	1/2	1 9/32	1 7/8	2 5/32	1.9
23	HV306B23	2.754	1/2	1 3/8	2 1/8	2 5/32	2.4
25	HV306B25	2.992	3/4	1 5/8	2 3/8	2 5/32	2.8
27	HV306B27	3.230	3/4	1 3/4	2 5/8	2 5/32	3.4
29	HV306B29	3.468	3/4	1 13/16	2 7/8	2 5/32	4.1
31	HV306B31	3.707	3/4	2 1/8	3 3/32	2 5/32	4.8
38	HV306B38	4.541	3/4	2 7/8	3 15/16	2 5/32	7.8
42	HV306B42	5.018	3/4	3 5/16	4 13/32	2 5/32	9.7
57	HV306B57	6.807	1 1/4	4 1/2	6	2 5/32	18.2
76	HV306B76	9.074	1 1/4	4 1/2	6	2 5/32	28.9



Type B
Teeth Hardened Hub
Projection One Side

HV sprockets

1/2" pitch



Type B
Teeth Hardened Hub
Projection One Side

No. Teeth	Catalog No.	Pitch Dia. (in.)	Min. Plain Bore	Max. Bore	HD	LTB	Approx. Wt.
1" FACE WIDTH							
19	HV404B19	3.038	1/2	1 7/16	2 7/32	2	2.5
21	HV404B21	3.355	1/2	1 11/16	2 1/2	2	3.3
23	HV404B23	3.672	3/4	1 13/16	2 7/8	2	4.0
25	HV404B25	3.989	3/4	2 1/8	3 3/16	2	4.9
27	HV404B27	4.307	3/4	2 3/8	3 1/2	2	5.9
29	HV404B29	4.625	3/4	2 9/16	3 13/16	2	7.0
31	HV404B31	4.942	3/4	2 3/4	4 5/32	2 1/2	10.1
38	HV404B38	6.055	3/4	3 3/4	5 9/32	2 1/2	16.1
42	HV404B42	6.691	3/4	4 3/8	5 15/16	2 1/2	20.2
57	HV404B57	9.076	1 1/4	4 1/2	6	2 1/2	27.1
76	HV404B76	12.099	1	2 1/2	3 5/8	2	31.1
1 1/2" FACE WIDTH							
19	HV406B19	3.038	1/2	1 7/8	2 7/32	2 1/2	3.3
21	HV406B21	3.355	1/2	1 11/16	2 1/2	2 1/2	4.3
23	HV406B23	3.672	3/4	1 13/16	2 7/8	2 1/2	5.1
25	HV406B25	3.989	3/4	2 1/8	3 3/16	2 1/2	6.3
27	HV406B27	4.307	3/4	2 3/8	3 1/2	2 1/2	7.6
29	HV406B29	4.625	3/4	2 9/16	3 13/16	2 1/2	9.0
31	HV406B31	4.942	3/4	2 3/4	4 5/32	3	12.3
38	HV406B38	6.055	3/4	3 3/4	5 9/32	3	19.7
42	HV406B42	6.691	3/4	4 3/8	5 15/16	3	24.6
57	HV406B57	9.076	1 1/4	4 1/2	6	3	35.4
76	HV406B76	12.099	1	2 1/2	3 5/8	2 1/2	46.1
2" FACE WIDTH							
19	HV408B19	3.038	1/2	1 7/16	2 7/32	3	4.1
21	HV408B21	3.355	1/2	1 11/16	2 1/2	3	5.2
23	HV408B23	3.672	3/4	1 13/16	2 7/8	3	6.3
25	HV408B25	3.989	3/4	2 1/8	3 3/16	3	7.7
27	HV408B27	4.307	3/4	2 3/8	3 1/2	3	9.2
29	HV408B29	4.625	3/4	2 9/16	3 13/16	3	10.9
31	HV408B31	4.942	3/4	2 3/4	4 5/32	3	12.7
38	HV408B38	6.055	3/4	3 3/4	5 9/32	3	20.1
42	HV408B42	6.691	3/4	4 3/8	5 15/16	3	25.1
57	HV408B57	9.076	1 1/4	4 1/2	6	3 1/2	43.6
76	HV408B76	12.099	1	2 1/2	3 5/8	3	60.7
3" FACE WIDTH							
19	HV412B19	3.038	3/4	1 7/16	2 7/32	4	5.3
21	HV412B21	3.355	3/4	1 11/16	2 1/2	4	6.9
23	HV412B23	3.672	3/4	1 13/16	2 7/8	4	8.6
25	HV412B25	3.989	3/4	2 1/8	3 3/16	4	10.5
27	HV412B27	4.307	3/4	2 3/8	3 1/2	4	12.6
29	HV412B29	4.625	3/4	2 9/16	3 13/16	4	14.7
31	HV412B31	4.942	3/4	2 3/4	4 5/32	4	17.3
38	HV412B38	6.055	3/4	3 3/4	5 9/32	4	27.2
42	HV412B42	6.691	3/4	4 3/8	5 15/16	4	33.9
57	HV412B57	9.076	1 1/4	4 1/2	6	4 1/2	60.2
76	HV412B76	12.099	1	2 1/2	3 5/8	4	83.2

HV installation information

HV chain and sprocket Installation — When cases for HV drives are not purchased from Morse and the design and manufacture is performed by others, certain basic guide lines must be followed to ensure proper drive performance. Morse HV drive recommendations, ratings, and selection procedures in this catalog are premised on installation in a proper housing with alignment and installation as outlined in this section and lubrication as recommended on pages I-19 and I-20.

A. Case Structures

Morse® HV drives are normally employed on applications where high speed and/or high horsepower transmission is the requirement. The HV drive should be installed in rigid housings of welded steel or cast construction complete with shafts, bearings, seals, and a proper lubrication system in order to realize the full performance capability of the drive (Fig. 1). The connection or interface to driver and driven equipment is accomplished by flexible couplings, universal joints, or direct flanges. Morse offers the service of design and manufacture of such cases.

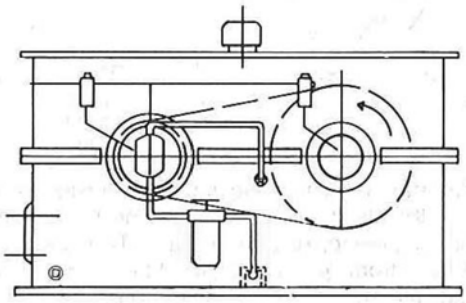


Fig. 1

B. Shaft Parallelism

Shafts must be parallel in two planes within .005 inch/foot of bearing 'mounting distance (Fig. 2). Special attention must be given to drives with non-horizontal shafts due to the tendency for chain to ride on the guide links. Applications with shafts other than the horizontal should be referred to Morse.

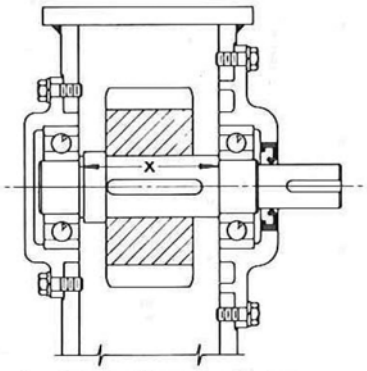


Fig. 2 X = Bearing Mounting Distance

C. Sprocket Offset

Offset from the machined face of one sprocket to the corresponding face of the second sprocket (Fig. 3) should ideally be held to zero with the maximum permissible offset limited to the value "K" inches in table below. Excessive offset will cause wear on inside of guide links or possible chain failure if the chain guides climb the sprocket teeth.

chain pitch inches	3/8	1/2	3/4	1	1 1/2	2
K	.022	.025	.031	.036	.044	.051

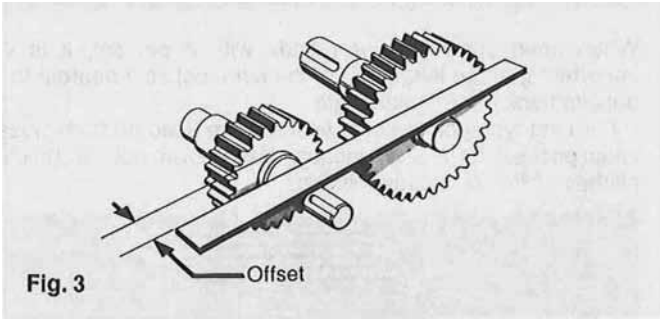


Fig. 3

D. Sprocket Mounting

Sprockets should have a light interference fit on shafts. Preferred fits can be obtained from the latest ANSI Standard B4.1 for Interference Locational Fits, Class LN_3.

Sprockets may be installed by heating the sprocket in 180°F oil, shrinking the shaft with dry ice or press-fitting with a hydraulic press. A positive mechanical connection is necessary for torque transmittal regardless of the type of sprocket fit to shaft. Sprockets with tapered bores or keyseats are satisfactory, however, Morse does not recommend the use of split-tapered bushings in mounting HV sprockets to shafts.

It is recommended that each sprocket be located positively against a shoulder or step on the shaft for accurate positioning. With this style mounting, the use of type "A" (hubs flush) sprocket will provide the simplest design.

E. HV Chain Installation

HV chains can be furnished in the number of required pitches endless or open for connection of the ends with a standard pin set.

In some case designs, bearing carriers are large enough to install sprockets and endless chain through the openings. Other designs employ housings which are split at the shaft center to facilitate installation.

If chain must be installed open refer to Figs. 1 thru 5 on page I-18.

HV installation information (continued)

Bring ends of chain together ,on top of larger sprocket in mesh with sprocket teeth.

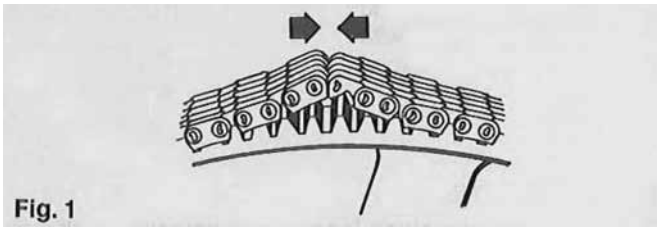


Fig. 1

On pre-loaded, fixed center distance a hook-up tool similar to that shown may be used to bring the ends together.

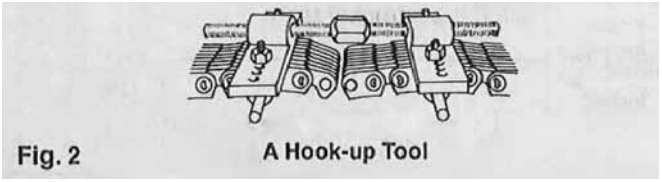


Fig. 2 A Hook-up Tool

When connecting the open ends with a pin set, it is very important that the longer pin of the set must seat nearest to the outside flank of the guide plate.

For rivet type connectors: washers are used on both sides in chain pitches of 1 1/2 and 2 inches. Washers are not used in chain pitches of 3/8, 1/2, 3/8 and 1 inches.

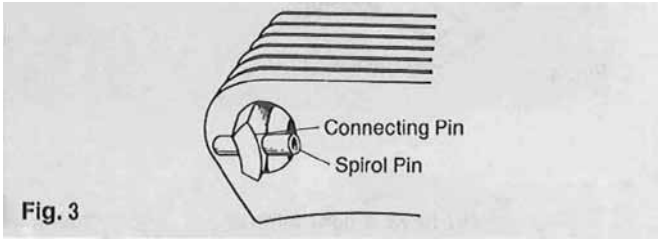


Fig. 3

Spirol pin type connectors are normally used for connecting open ended chains. Spirol Pin is driven into each end of pin with a drift.

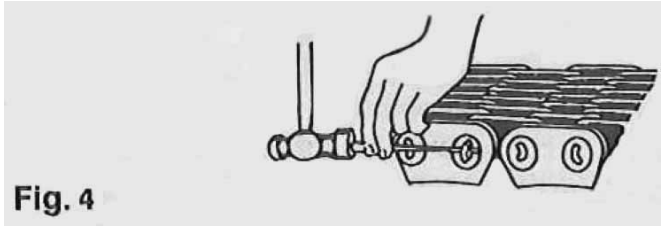


Fig. 4

F. Center Distance

On large drive ratios (over 3:1) it is desirable to have at least 120 degrees wrap on the small sprocket. On drives without center distance adjustment the center distance should be kept to a minimum. Minimum center distance is limited to half the sum of the pitch diameters. It is desirable to keep the center distance under 30 pitches. Drives with long center distances may require center distance adjustment to attain adequate wear life. Adjustable center distances should be limited to a maximum of 60 pitches of chain, and if a longer center distance is required a double reduction may be necessary.

Center distance and sprocket combinations must always be selected to provide an even number of chain pitches. Nominal center distances should be calculated to three decimal places.

Center distance tables should be used or contact Morse for this value. HV center distances are modified to compensate for chain and sprocket tolerances. This modified center distance is obtained by adding .008 inch per foot of center distance to the nominal or theoretical flat pitch center distance. Center distance tolerance should be on the plus side.

G. HV Case Clearances

Radial Clearance — Where the chain fully wraps the sprockets, the desirable radial clearance beyond the pitch circle is 2 times the chain pitch. Minimum clearance sufficient to clear the chain in process of jumping a sprocket tooth is 1 1/8 times the pitch.

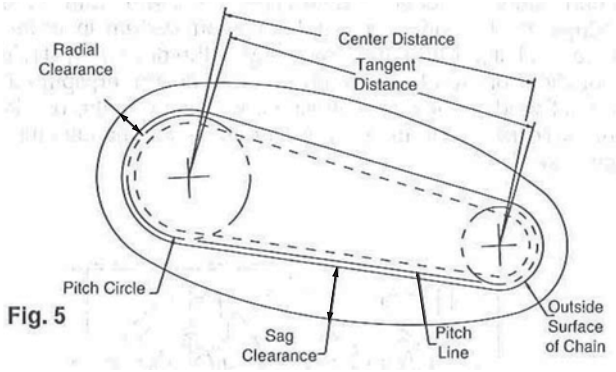
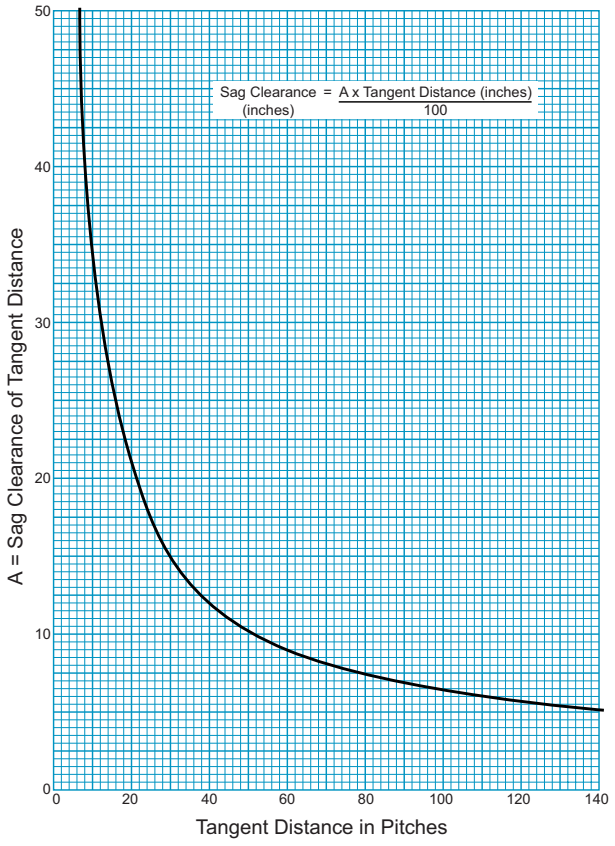


Fig. 5

Sag Clearance — The case must be designed for clearance between the slack strand of chain and the inside of the case. For this clearance, use the formula below with value of "A" determined from graph (Fig. 6). For reversing drives, design with sag clearance both top and bottom.



Side Clearance — The side clearance beyond the width of the chain should be equal to or greater than one chain pitch.

HV chain lubrication

A. Pressure Lube Systems

Experience has shown that for chain speeds above 2500 FPM a pressure lubrication system is required. Proper lubrication is necessary to help provide satisfactory performance, chain wear life and to also lubricate the surfaces of chain and sprocket contact. The lubricant must penetrate the chain joints to dissipate frictional heat and flush out foreign particles.

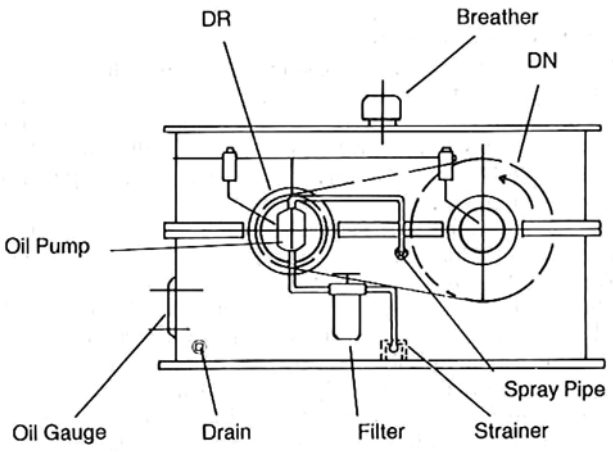


Fig. 1 Pressure (Pump) Lubrication

The lubrication system should supply filtered oil under pressure to the spray pipes at the total rate of 1 GPM per inch of chain width. The lubricating pump with integral pressure relief valve can be driven directly from one of the case shafts or by means of a separate motor, or an existing supply of lubricating oil under pressure may be utilized.

When utilizing a case driven oil pump, the oil reservoir or sump should have a minimum capacity of three minutes of oil flow. Spray pipes having 3/8" I.D. with one .093 inch diameter orifice per inch of chain width are adequate for most installations. Long center distances or reversing drives may require an additional spray pipe. (A single .093 inch diameter orifice flows approximately .8 GPM of SAE 20W oil at 20 PSI.) The spray pipe is located so as to spray oil into and thru the chain as the slack strand enteres the sprocket (Fig. 2).

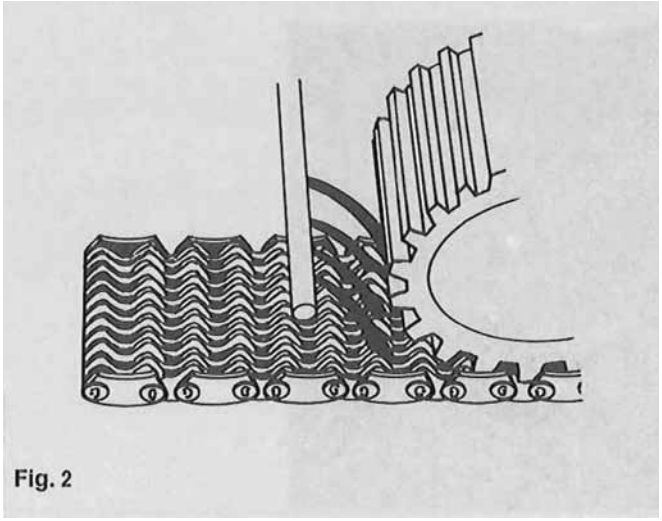


Fig. 2

A replaceable element full flow oil filter with built in relief valve should be installed between the oil pump and spray pipe. The filter element should be capable of removing particles larger than 25 microns. A pressure gauge or a low oil pressure switch with a warning device or light is recommended to protect the chain drive in the event of a malfunction in the lube system. Additional components should include an oil sump strainer for the oil pump suction line, and oil fill/breather, magnetic drain plug and an oil level sight gauge. Shaft bearings can be lubricated from the oil spray within the case or in some instances, separate lube lines may be required.

B. Bath Lubrication

At chain speeds below 2500 FPM bath lubrication may be satisfactory. With bath lubrication, the dynamic oil level should be maintained at the lowest point of the pitch line, and for this purpose an oil level sight gauge is desirable. Too low an oil level is ineffective and too high a level will cause detrimental churning and heating of the oil. In some instances it may be necessary to provide baffles and troughs to direct oil into the chain. In some cases bearings may require separate lubrication.

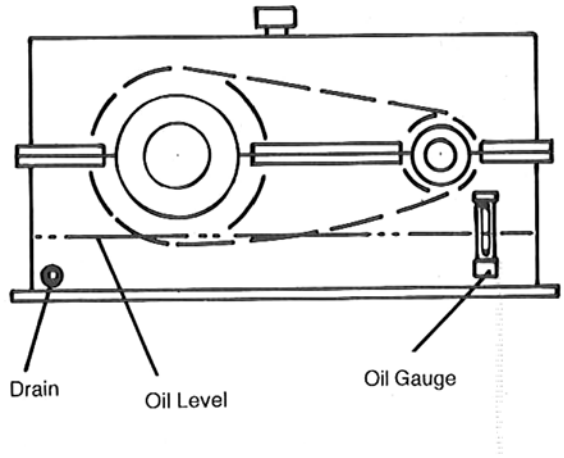


Fig. 3 Bath Lubrication

C. Lubrication Oil Specifications

Satisfactory HV chain case performance depends upon the use of well refined, high quality oil.

As a guide to lubrication products, oils are designated by the letters SA, SB, and SC on the containers. These letters are service classifications established by the American Petroleum Institute (API). The designations are in addition to the SAE grades established by the Society of Automotive Engineers which indicate the viscosity of the oil recommended

maintenance

For maximum performance use an oil conforming to one of the API classifications (Page I-19) with the proper SAE Grade number in accordance with the anticipated operating temperature (See chart below). Oils that do not have both the SAE viscosity and recommended API designations on the container should not be used.

oil viscosity recommendations

Surrounding or Ambient Temp.	Viscosity SAE Grade	Viscosity Saybolt Seconds @ 100°F
Under 40°F	*SAE 5	150 SSU
40° to 90°F	*SAE 10	200 SSU
Over 90°F	*SAE 20	300 SSU

*Type A or B Automatic Transmission Fluid (ATF) can also be used.

Where Application Requires Oil in Excess of SAE 20 Grade, Consult Morse Engineering for Recommendations.

It is desirable to limit lube oil sump temperature to 180°F maximum to help prevent rapid deterioration of the oil. This can be accomplished by external cooling fans or a suitable oil cooler if necessary.

Generally HV chains operate with a temperature rise of approximately 40°F above ambient temperature. If an oil cooler is installed as a part of the lubrication system, the SAE grade and equivalent viscosity (SSU) for the next lower ambient temperature range can be used. For example: If ambient room temperature is 95°F and oil cooler is not used, an SAE 20 oil 300 SSU @ 100°F with API service classification SA, SB, or SC should be used. If an oil cooler is provided an SAE 10, 200 SSU @ 100°F oil, Type A or B Automatic Transmission Fluid (ATF) can be used.

Lubrication Changes

Oil should be kept clean to help assure long, trouble free service. If oil becomes dirty or discolored or otherwise appears to be contaminated, it should be drained, flushed and replaced. Good practice dictates that periodic oil changes should be made with the proper SAE viscosity and API classification every 1000 hours or every 4 months whichever occurs first.

If Type A Automatic Transmission Fluid is used, it should be changed if the characteristic red coloring becomes a brownish color indicating oxidation in the oil.

When oil is changed, the case should be drained, flushed with a suitable solvent (Mobil Oil Company, Solvasol or equivalent), and replaced with a new oil. The unit must be kept free of water and foreign material at all times. If water is found in the oil, more frequent oil changes may be required. Conversely, longer oil change intervals are possible if operating conditions are such that the oil does not deteriorate or become contaminated. The length of oil change intervals should be ascertained after a careful analysis of operating conditions and inspections of the oil.

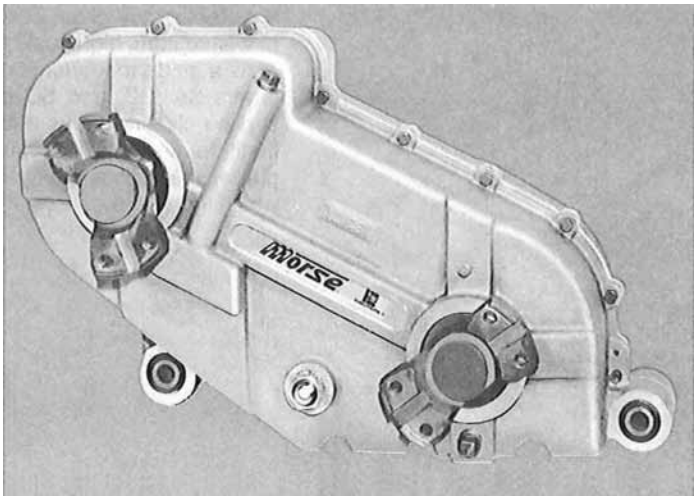
When making oil changes a thorough inspection of the lube system piping, pump, and spray pipe orifices should be made. The filter element should be replaced at this time if it is dirty.

A good functioning oil system with clean oil of the correct type is necessary for long, quiet trouble free life of the HV drive and case.

HV transfer case

This HV transfer case is directly mounted on the tail shaft extension of an automatic transmission directing power to both front and rear axles of a cargo vehicle. The HV case has a 1.09:1 reduction ratio and transmits up to 1400 lb.-ft. torque at stall and 150 HP @ 4500 RPM with maximum chain speed of 6200 FPM. The lower weight of the HV case over comparable gear type case allowed increased vehicle payload.

Photograph below is an example of HV transfer case, custom designed to meet customer's requirements



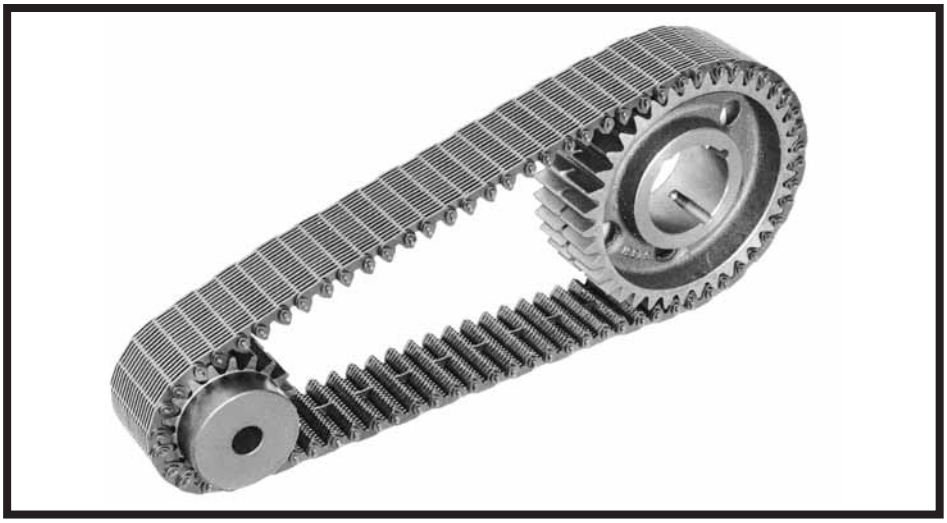
MORSE® SILENT CHAIN DRIVES

MORSE SILENT CHAIN provides an economical, compact drive with reduced loads and long life.

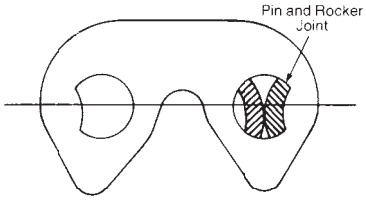
MORSE is your single source of supply for a full range of **SILENT CHAIN DRIVES.** All sprockets and chains are available when and where you need them. Available in standard pitches from 3/16" to 1" and in widths up to 6".

features

- 99% Efficient Drives
- Economical
- Simple Installation
- Long Life
- Space Saver
- Reduced Bearing Loads
- Smooth Drive
- Quiet Drive
- Cool Drive
- Not Affected by Atmospheric Conditions
- Adaptable to Your Centers
- High Speeds
- Minimum of Maintenance
- Adaptable to Speed Changes
- Positive Drive—No Slip
- Wide Speed and H.P. Range



Morse® Silent Chain is an Inverted Tooth type drive offering particularly smooth, quiet power transmission at higher speeds up to 5000 FPM. The exclusive Morse Rocker Joint eliminates friction during chain articulation—permitting high rotative speed with less wear and heat.

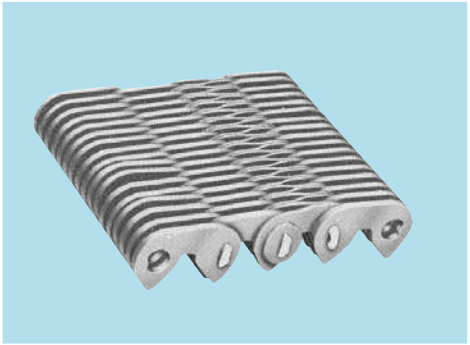


All of the silent chains and sprockets listed are to the ANSI standard profile.

Chain designation listed as example SC 408, indicating:
S.C.—Silent Chain standard link profile and guide
4—Pitch in 1/8" increments
08—Width in 1/4" increments
All sizes of chain and sprockets listed are of the Center Guide type except SC302.

Standards are not such that competitive chains may be connected together. They will, however, individually run over the same set of standard sprockets.

Sprocket designation listed, as an example, 408-38:
4—Pitch in 1/8" increments
08—Width in 1/4" increments
38—Number of teeth



offset link section

Adjustments of centers and an even number of pitches in the chain length are desirable characteristics for all chain drives. Centers should be selected which result in an even number of pitches in the chain length.

When fixed centers necessitate the use of an odd number of pitches an **offset link** or **hunting link** may be used. As illustrated, this assembly, four pitches long, includes one row of **offset links.**

3/16 " pitch silent chain

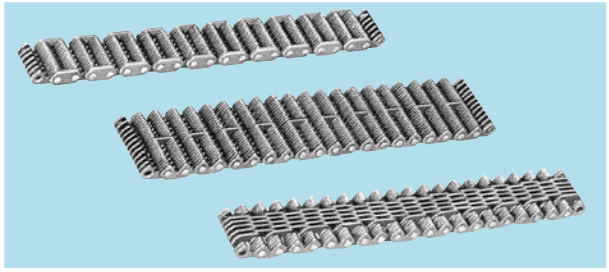
The Morse® 3/16" pitch silent chain drive is a high speed power transmission medium that offers the maximum in performance and reliability. Quietness and durability are the result of unique design and manufacturing practices.

Materials are the finest alloy steels, properly heat treated to resist wear and fatigue. Chain link and sprocket profiles are in accordance with practices established by the chain industry. Morse 3/16" chain is available in non-corrosive types of materials.

Morse 3/16" pitch Silent Chain is manufactured in three basic types of assembly to give complete coverage for all drive requirements.

Eight standard widths handle load ranges and speeds with economy and long chain life.

- For standard drives, side guide chain is recommended for all chains up to and including 15/32" wide (SCO315).
- For standard drives, center guide is recommended for all chains 19/32" (SCO319) and wider.
- For serpentine drives, reversing secondary shaft rotation, or if adjustable idler is required.

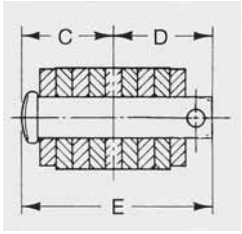


Duplex chain will give a rugged positive drive with maximum service. Consult factory for recommendations and assemblies.

When cut length is specified pin and plate sets will be furnished at the per foot price. Cotter type **joining pin** or **connecting link** are available at an additional price.

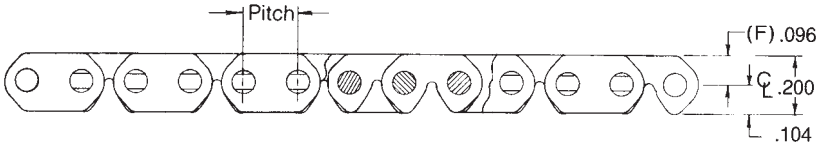
Joining pin

Insertion of the pin and cotter allows simple field assembly of the chain.



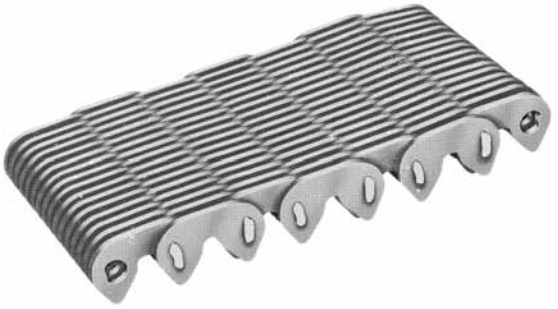
Connecting link

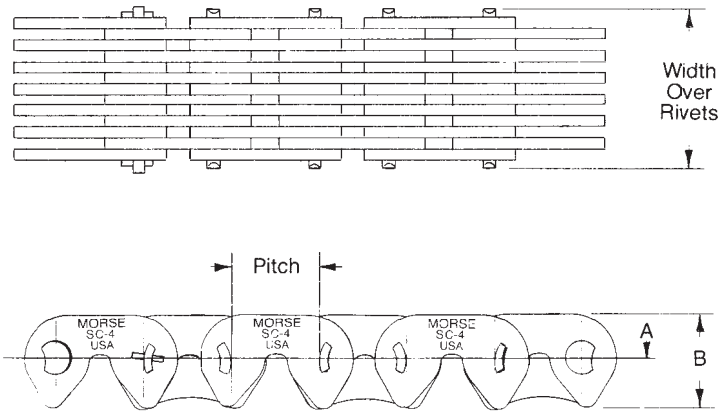
The connecting link is used when chain is cut and assembled in the field. The connecting link consists of 1 pin link, inside link, 1 connector plate and 2 cotter pins.



Chain No.	Nominal Width	Width Over Rivets A	Width Between Guides B	Assem. Links	Connecting Pin Assembly Width C	D	F	Height of Chain Above Spkt. P.D. F (Max.)	Average Ultimate Tensile in pounds	Weight per Foot in pounds
SC-0305	5/32	.200	3/32	2 & 3	1.08	.140	.248	.096	500	.07
SC-0307	7/32	.263	5/32	3 & 4	.139	.171	.310	.096	750	.10
SC-0309	9/32	.325	7/32	4 & 5	.171	.201	.372	.096	1000	.12
SC-0311	11/32	.388	9/32	5 & 6	.202	.232	.434	.096	1250	.15
SC-0315	15/32	.513	13/32	7 & 8	.264	.294	.558	.096	1750	.20
SC-0319	19/32	.638	Center Guide	9 & 10	.327	.355	.682	.096	2250	.25
SC-0325	25/32	.825	Center Guide	12 & 13	.421	.448	.869	.096	3000	.33
SC-0331	31/32	1.013	Center Guide	15 & 16	.514	.543	1.057	.096	3750	.40

Note: Use even number of pitches in chain. **Offset or hunting links not available.**





stock silent chain

Chain No.	Chain Nominal Width	Chain Width over Rivets	Height of Chain Above Spkt. P.D. A (Min.)	Height of Chain B (Max.)	Average Ultimate Tensile In Pounds	Weight Per Ft. In Pounds
3/8" PITCH						
SC 302*	1/2	.769	.188	.398	1875	.38
SC 303	3/4	.895	.188	.398	2810	.56
SC 304	1	1.147	.188	.398	3750	.75
SC 305	1 1/4	1.399	.188	.398	4690	.94
SC 306	1 1/2	1.651	.188	.398	5620	1.25
SC 308	2	2.155	.188	.398	7500	1.50
1/2" PITCH						
SC 403	3/4	.895	.252	.529	5600	.75
SC 404	1	1.147	.252	.529	7500	1.0
SC 405	1 1/4	1.399	.252	.529	9300	1.25
SC 406	1 1/2	1.651	.252	.529	11200	1.50
SC 408	2	2.155	.252	.529	15000	2.0
SC 410	2 1/2	2.655	.252	.529	18700	2.50
SC 412	3	3.155	.252	.529	22500	3.0
SC 414	3 1/2	3.655	.252	.529	26200	3.50
3/4" PITCH						
SC 606	1 1/2	1.700	.379	.795	16900	2.25
SC 608	2	2.200	.379	.795	22500	3.0
SC610	2 1/2	2.700	.379	.795	28100	3.75
SC 612	3	3.200	.379	.795	33800	4.50
SC 616	4	4.200	.379	.795	45000	6.0
SC 620	5	5.200	.379	.795	56200	7.50
1" PITCH						
SC 812	3	3.235	.504	1.058	45000	6.0
SC 816	4	4.235	.504	1.058	60000	8.0
SC 820	5	5.235	.504	1.058	75000	10.0
SC 824	6	6.235	.504	1.058	90000	12.0

*Outside guide type chain. Distance between guides is .460.

An offset link is not recommended unless chain needed is an uneven number of pitches. Example: 153 pitches, order 150 pitches and one offset link. An offset or hunting link is assembled without guide links. Price of offset links are added to the per foot price of chain.

Stock Chain is supplied with one connecting link set. Additional connecting link sets sold only in package **("Poly-Pack")** quantities. Package quantities: (25) for 3/8" and 1/2" pitch; (10) for 3/4" pitch: (5) for 1" pitch.

engineering design

The following information should be considered to design long life, quiet, trouble free Silent Chain Drives:

- For long life, a minimum of 17 teeth and an odd number of teeth on one sprocket where possible.
- For maximum quietness, use sprockets with 23 teeth or more.
- For trouble free drives, apply service factor for design load.
- On long or fixed center drives, use a sprocket or shoe idler, placed where greatest amount of slack accumulates.
- Do not reduce wrap on small sprockets with idler.
- Engineering is available to you for review of your chain drive design.

points to consider in selection

There are certain primary conditions which affect the design of efficient silent chain drives. Those most commonly encountered are:

1. The selection of wider chain than the minimum sizes recommended will give more than a corresponding return in service rendered. This is particularly true in drives where overloads are proportionately high.
2. Quieter drives result from designs employing a larger number of teeth in the drive sprocket. For quieter drives use a minimum of 23 teeth in the driver sprocket.
3. Larger pitches permit longer center distance.
4. Center adjustment is always desirable. It is necessary with vertical centers.
5. Fully enclosed drives with adequate lubrications are desirable for maximum service life and least maintenance.
6. An even number of pitches in the length of chain is desirable because offset link is eliminated.
7. With horizontal or inclined shaft centers, the tight or pulling strand may be either on the top or bottom when the center distance is equal or less than the sum of the sprocket diameters. For longer centers the tight strand should be on top.
8. Chain drives should be chosen on the basis of Horsepower rating rather than ultimate tensile strength.
9. Chain cases serve as guards for safety and protection. They confine lubrication to the area of the chain proper.

selection of silent chain drives

1. Determine the R.P.M. and diameter of the high speed shaft.
2. Determine the total horsepower to be transmitted.
3. Determine proper service factor from table.
4. Establish Design Horsepower by multiplying total horsepower to be transmitted by the proper service factor.
5. Select the chain pitch and width and number of teeth in the small sprocket from the Horsepower Rating Tables.
   - **a.** Be sure the small sprocket will accommodate the high speed shaft diameter.
   - **b.** If the high speed shaft diameter exceeds the maximum bore in the selected small sprocket it will be necessary either to increase the number of teeth in the sprocket or select the next larger pitch chain.
6. Determine the required ratio:

$$\frac{\textbf{RPM high speed shaft}}{\textbf{RPM slow speed shaft}} = \textbf{Ratio}$$

7. Multiply the number of teeth in the small sprocket by the ratio to obtain the number of teeth in the large sprocket.
8. Turn to page I-23 to calculate chain length.

CAUTION: RELATIVE TO APPLICATION INVOLVING THE HANDLING OF PEOPLE, ENGINEERING MUST BE CONSULTED PRIOR TO DRIVE SELECTION.

service factors

The Horsepower rating tables (pages I-24 and I- 25) are for use under optimum drive conditions with a smooth power source and load. For less favorable conditions with moderate or heavy shock loads from either the power source and/or the load, the specified horsepower must be multiplied by a "Service Factor" (SF) to obtain a "Design Horsepower" (DHP). The "Design Horsepower" is used to obtain the chain selection from the rating tables.

Service Factors are selected below for various applications after first determining the prime mover or power source type. Note: (Relating to Service Factors). **Recommendations are minimum and normal conditions are assumed.**

Prime Mover	TYPE
Internal Combustion Engine with Hydraulic Coupling or Torque Converter Electric Motor Turbine Hydraulic Motor	A
Internal Combustion Engine with Mechanical Drive	B

service factor table

APPLICATION	Type of Prime Mover A	B
AGITATORS (paddle or propeller)		
Pure Liquid	1.1	1.3
Liquids—variable density	1.2	1.4
BAKER MACHINERY		
Dough Mixer	1.2	—
BLOWERS	See Fans	
BREWING & DISTILLING EQUIPMENT		
Bottling Machinery	1.0	—
Brew Kettles, cookers, mash tubs	1.0	—
Scale Hopper—Frequent starts	1.2	—
BRICK & CLAY EQUIPMENT		
Auger machines, cutting table	1.3	1.5
Brick machines, dry press, & granulator	1.4	1.6
Mixer, pug mill, & rolls	1.4	1.6
CENTRIFUGES	1.4	1.6
COMPRESSORS		
Centrifugal & rotary (lobe)	1.1	1.3
Reciprocating		
1 or 2 cyl.	1.6	1.8
3 or more	1.3	1.5
CONSTRUCTION EQUIPMENT OR OFF-HIGHWAY VEHICLES		
Drive line duty, power take-off, accessory drives	Consult Morse	
CONVEYOR		
Apron, bucket, pan & elevator	1.4	1.6
Belt (ore, coal, sand, salt)	1.2	1.4
Belt—light package, oven	1.0	1.2
Screw & flight (heavy duty)	1.6	1.8
CRANES & HOISTS		
Main hoist—medium duty	1.2	1.4
Main hoist—heavy duty,skip hoist	1.4	1.6

APPLICATION	Type of Prime Mover A	B
CRUSHING MACHINERY		
Ball mills, crushing rolls, jaw crushers	1.6	1.8
DREDGES		
Conveyors, pumps, cable reels	1.4	1.6
Jigs & screens	1.6	1.8
Cutter head drives	Consult Morse	
Dredge pumps	See Pumps	
FANS & BLOWERS		
Centrifugal, propeller, vane	1.3	1.5
Positive blowers (lobe)	1.5	1.7
GRAIN MILL MACHINERY		
Sifters, purifiers, separators	1.1	1.3
Grinders and hammer mills	1.2	1.4
Roller mills	1.3	1.5
GENERATORS & EXCITERS	1.2	1.4
MACHINE TOOLS		
Grinders, lathes, drill press	1.0	—
Boring mills, milling machines	1.1	—
MARINE DRIVES	Consult Morse	
MILLS		
Rotary type:		
Ball, Pebble, Rod, Tube, Roller	1.5	1.7
Dryers, Kilns, & tumbling barrels	1.6	1.8
Metal type:		
Draw bench carriage & main drive	1.5	—
Forming Machines	Consult Morse	
MIXERS		
Concrete	1.6	1.8
Liquid & Semi-liquid	1.1	1.3
OIL INDUSTRY MACHINERY		
Componding Units	1.1	1.3
Pipe line pumps	1.4	1.6
Slush pumps	1.5	1.7
Draw works	1.8	2.0
Chillers, Paraffin filter presses, Kilns	1.5	1.7

APPLICATION	Type of Prime Mover A	B
PAPER INDUSTRY MACHINERY		
Agitators, bleachers	1.1	1.3
Barker—mechanical	1.6	1.8
Beater, Yankee Dryer	1.3	1.5
Calendars, Dryer & Paper Machines	1.2	1.4
Chippers & winder drums	1.5	1.7
PRINTING MACHINERY		
Embossing & flat bed presses, folders	1.2	—
Paper cutter, rotary press & linotype machine	1.1	—
Magazine & newspaper presses	1.5	—
PUMPS		
Centrifugal, gear, lobe & vane	1.2	1.4
Dredge	1.6	1.8
Pipe line	1.4	1.6
Reciprocating		
3 or more cyl.	1.3	1.5
1 ore 2 cyl.	1.6	1.8
RUBBER & PLASTICS INDUSTRY EQUIPMENT		
Calendars, rolls, tubers		
Tire-building and Banbury Mills	1.5	1.7
Mixers and sheeters	1.6	1.8
Extruders	1.5	1.7
SCREENS		
Conical & revolving	1.2	1.4
Rotary, gravel, stone & vibrating	1.5	1.7
STOKERS	1.1	—
TEST STANDS & DYNAMOMETERS	Consult Morse	
TEXTILE INDUSTRY		
Spinning frames, twisters, wrappers & reels	1.0	—
Batchers, calendars & looms	1.1	—

calculation of chain length

The following method of calculating approximate chain length may be used for both standard roller chain, silent, and HV drives.

1. Divide center distance in inches by pitch of chain, obtaining ..... **C**
2. Add teeth in small sprocket to teeth in large sprocket, obtaining ..... **S**
3. Subtract teeth in small sprocket from teeth in large sprocket, obtaining Value D. From table obtain the corresponding value of ..... **K**
4. Chain length in pitches = $2C + \frac{S}{2} + \frac{K}{C}$
5. Multiply length by pitch of chain to find chain length in inches.

Example

Given:

Teeth in driving sprocket.....21T
Teeth in driven sprocket.....60T
Pitch of chain.....1/2"
Center distance.....24"

Required:

Necessary length of chain

Solution:

(1) **C = 24" ÷ 1/2 = 48**
(2) **S = (21 + 60) = 81**
(3) **D = (60 - 21) = 39**
corresponding **K = 38.53**

(4) Chain length in pitches = $(2 \times 48) + \frac{81}{2} + \frac{38.53}{48} = 137.30$

The next higher whole number is 138 pitches.

(5) 138 X 1/2 = 69".

A chain cannot contain the fractional part of a pitch; therefore, in case the figure for the number of pitches for the chain length obtained from the use of the above formula contains a fractional part of a pitch, use the next higher whole number of pitches.

Whenever possible, use an even number of pitches in the chain length. An odd number of pitches requires the use of an offset link which is not generally desirable.

The above formula for calculating chain length **cannot** be used to calculate center distance dimensions.

D	K	D	K	D	K	D	K	D	K	D	K
1	.03	32	25.94	63	100.54	94	223.82	125	395.79	156	616.44
2	.10	33	27.58	64	103.75	95	228.61	126	402.14	157	624.37
3	.23	34	29.28	65	107.02	96	233.44	127	408.55	158	632.35
4	.41	35	31.03	66	110.34	97	238.33	128	415.01	159	640.38
5	.63	36	32.83	67	113.71	98	243.27	129	421.52	160	648.46
6	.91	37	34.68	68	117.13	99	248.26	130	428.08	161	656.59
7	1.24	38	36.58	69	120.60	100	253.30	131	434.69	162	664.77
8	1.62	39	38.53	70	124.12	101	258.39	132	441.36	163	673.00
9	2.05	40	40.53	71	127.69	102	263.54	133	448.07	164	681.28
10	2.53	41	42.58	72	131.31	103	268.73	134	454.83	165	689.62
11	3.06	42	44.68	73	134.99	104	273.97	135	461.64	166	698.00
12	3.65	43	46.84	74	138.71	105	279.27	136	468.51	167	706.44
13	4.28	44	49.04	75	142.48	106	284.67	137	475.42	168	714.92
14	4.96	45	51.29	76	146.31	107	290.01	138	482.39	169	723.46
15	5.70	46	53.60	77	150.18	108	295.45	139	489.41	170	732.05
16	6.48	47	55.95	78	154.11	109	300.95	140	496.47	171	740.60
17	7.32	48	58.36	79	158.09	110	306.50	141	503.59	172	749.37
18	8.21	49	60.82	80	162.11	111	312.09	142	510.76	173	758.11
19	9.14	50	63.33	81	166.19	112	317.74	143	517.98	174	766.90
20	10.13	51	65.88	82	170.32	113	323.44	144	525.25	175	775.74
21	11.17	52	68.49	83	174.50	114	329.19	145	532.57	176	784.63
22	12.26	53	71.15	84	178.73	115	334.99	146	539.94	177	793.57
23	13.40	54	73.86	85	183.01	116	340.84	147	547.36	178	802.57
24	14.59	55	76.62	86	187.34	117	346.75	148	554.83	179	811.61
25	15.83	56	79.44	87	191.73	118	352.70	149	562.36	180	820.70
26	17.12	57	82.30	88	196.16	119	358.70	150	569.93	181	829.85
27	18.47	58	85.21	89	200.64	120	364.76	151	577.56	182	839.04
28	19.86	59	88.17	90	205.18	121	370.86	152	585.23	183	848.89
29	21.30	60	91.19	91	209.76	122	377.02	153	592.96	184	857.58
30	22.80	61	94.25	92	214.40	123	383.22	154	600.73	185	866.93
31	24.34	62	97.37	93	219.08	124	389.48	155	608.56	...	.....

silent chain horsepower rating tables

3/16" PITCH horsepower per inch of width

No. of Teeth Small Sprocket	Revolution Per Minute—Small Sprocket												No. of Teeth Small Sprocket
	500	600	700	800	900	1200	1800	2000	3500	5000	7000	9000	
15	.28	.33	.38	.43	.47	.60	.80	.90	1.33	1.66	1.94	1.96	15
17	.33	.39	.44	.50	.55	.70	.96	1.05	1.60	2.00	2.40	2.52	17
19	.37	.43	.50	.55	.61	.80	1.10	1.20	1.80	2.30	2.76	2.92	19
21	.41	.48	.55	.62	.68	.87	1.22	1.33	2.03	2.58	3.12	3.35	21
23	.45	.53	.60	.68	.75	.96	1.35	1.47	2.25	2.88	3.50	3.78	23
25	.49	.58	.66	.74	.82	1.05	1.47	1.60	2.45	3.13	3.80	4.10	25
27	.53	.62	.71	.80	.88	1.15	1.58	1.72	2.63	3.35	4.06	4.37	27
29	.57	.67	.76	.86	.95	1.21	1.70	1.85	2.83	3.61	4.40	4.72	29
31	.60	.72	.81	.91	1.01	1.30	1.81	1.97	3.02	3.84	4.66	5.00	31
33	.64	.75	.86	.97	1.07	1.37	1.90	2.08	3.17	4.02	4.85	—	33
35	.68	.80	.92	1.03	1.14	1.45	2.03	2.21	3.41	4.27	5.16	—	35
37	.71	.84	.96	1.08	1.19	1.52	2.11	2.30	3.48	4.39	5.24	—	37
40	.77	.91	1.04	1.16	1.29	1.64	2.28	2.50	3.77	4.76	—	—	40
45	.86	1.02	1.15	1.30	1.43	1.83	2.53	2.75	4.15	5.21	—	—	45
50	.95	1.12	1.27	1.37	1.58	2.00	2.78	3.02	4.52	5.65	—	—	50
	Oil cup or brush lubrication				Bath or Splash lubrication		Pump lubrication			Consult your engineering department for proper method of lubrication			

silent chain horsepower rating tables

3/8" PITCH HP per inch of width based on no. of teeth in small sprocket

RPM / No. Teeth	300	600	1200	1800	2400	3000	3600	4200	4800	5400	6000	6600	7200	7800	8400
19	2.4	4.8	9.6	14	19	23	27	31	34	37	39	41	42	43	42
21	2.7	5.4	11	16	21	25	29	33	36	39	41	42	43	42	40
23	2.9	5.9	12	17	22	27	32	35	39	39	42	43	42	40	
25	3.2	6.4	13	19	24	29	34	37	40	39	43	42	40		
27	3.4	6.9	14	20	26	31	36	39	41	39	42	40			
29	3.7	7.4	15	21	28	33	37	40	42	39	41	37			
31	4	7.9	16	23	29	35	39	41	43	39	38				
33	4.2	8.4	16	24	31	36	40	42	42	40					
35	4.5	8.9	17	25	32	37	41	43	42	38					
37	4.7	9.4	18	27	33	39	42	42	40						
39	5	9.9	19	28	35	40	42	42	38						
41	5.2	10	20	29	36	41	43	41							
43	5.5	11	21	30	37	41	42	40							

Forced pump lubrication is recommended.

Bath lubrication is satisfactory for applications to the left of heavy line.

For HP values at higher speeds than shown, consult Engineering.

silent chain horsepower rating tables

1/2 INCH PITCH HP per inch of width based on no. of teeth in small sprocket

RPM / No. Teeth	300	600	900	1200	1500	1800	2100	2400	2700	3000	3600	4200	4800	5400	6000
19	5.4	11	16	21	27	32	37	41	46	50	58	65	71	76	78
21	6	12	18	24	29	35	40	45	50	55	63	70	75	78	79
23	6.5	13	19	26	32	38	43	49	54	59	67	73	78	79	78
25	7.1	14	21	28	34	41	47	52	58	63	71	76	79	79	
27	7.7	15	23	30	37	44	50	56	61	66	74	78	79		
29	8.2	16	24	32	40	47	53	59	65	69	76	79	78		
31	8.8	17	26	34	42	49	56	62	68	72	78	79			
33	9.4	19	28	36	44	52	59	65	70	74	79	78			
35	9.9	20	29	38	47	55	62	68	73	76	79				
37	10	21	31	40	49	57	64	70	75	78	79				
39	11	22	32	42	51	60	67	72	76	79	78				
41	12	23	34	44	54	62	69	74	78	79					
43	12	24	35	46	56	64	71	76	79	79					

3/4 INCH PITCH HP per inch of width based on no. of teeth in small sprocket

RPM / No. Teeth	200	400	600	900	1200	1500	1800	2100	2400	2700	3000	3300	3600	3900	4200
19	6.7	13	20	30	39	48	56	64	71	77	82	85	88	89	89
21	7.4	15	22	33	43	52	61	69	76	81	86	88	89	89	86
23	8.1	16	24	36	46	57	66	74	80	85	88	89	88	85	
25	8.8	18	26	38	50	61	70	78	84	88	89	88	85		
27	9.5	19	28	41	54	65	74	81	87	89	89	85			
29	10	20	30	44	57	68	78	84	88	89	86	80			
31	11	22	32	47	60	72	81	87	89	88	82				
33	12	23	34	50	63	75	83	88	89	85					
35	12	24	36	52	66	78	86	89	88	81					
37	13	26	38	55	69	80	87	89	85						
39	14	27	40	57	72	83	89	89	82						
41	14	28	42	60	75	85	89	87							
43	15	30	44	62	77	86	89	84							

1 INCH PITCH HP per inch of width based on no. of teeth in small sprocket

RPM / No. Teeth	200	400	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000
19	11	21	31	41	51	60	68	75	82	88	93	96	99	100	99
21	12	23	34	45	55	65	74	81	88	93	97	99	99	98	95
23	13	25	37	49	60	70	79	86	92	97	99	99	98	93	86
25	14	27	41	53	64	75	83	91	96	99	99	97	93	85	
27	15	30	44	57	69	79	88	94	98	100	98	93	84		
29	16	32	47	60	73	83	91	97	99	99	94	85			
31	17	34	50	64	77	87	94	99	99	96	88				
33	18	36	53	67	80	90	97	99	98	91					
35	19	38	55	71	83	93	98	99	95	85					
37	20	40	58	74	87	95	99	98	90						
39	22	42	61	77	89	97	99	95	84						
41	23	44	64	80	92	98	99	92							
43	24	46	66	83	94	99	97	87							

Forced pump lubrication is recommended.
Bath lubrication is satisfactory for applications to the left of heavy line.
For HP values at higher speeds than shown, consult Engineering.

3/16 " pitch drives

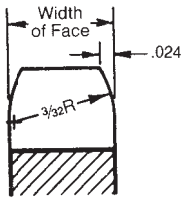
No. of Teeth	Max. Hub Diameter	Max. Bore	No. of Teeth	Max. Hub Diameter	Max. Bore	No. of Teeth	Max. Hub Diameter	Max. Bore
11	.415	1/4	19	.899	9/16	27	1.365	15/16
12	.474	9/32	20	.949	5/8	28	1.425	1
13	.533	11/32	21	1.008	11/16	29	1.484	1
14	.593	3/8	22	1.068	3/4	30	1.544	1 1/16
15	.652	13/32	23	1.127	13/16	31	1.603	1 1/16
16	.711	15/32	24	1.186	13/16	32	1.663	1 1/8
17	.770	1/2	25	1.246	7/8	33	1.723	1 1/4
18	.830	9/16	26	1.306	7/8	34	1.782	1 1/4

Maximum Hub Diameter = Pitch Diameter - .250

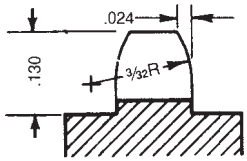
sprockets

All 3/16" pitch silent chain sprockets are supplied, **made-to-order,** to customer specification. They are normally manufactured from steel although large quantities may be furnished in gray cast iron. Steel sprockets may be hardened at extra cost.

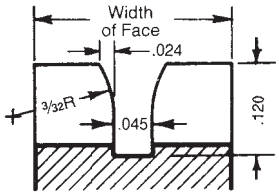
To order, specify: quantity, chain size and/or nominal width, number of teeth, hub type and dimensions, bore size, keyseat, setscrews, and any special instructions.

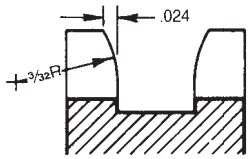


For Outside Guide



For Duplex Chain





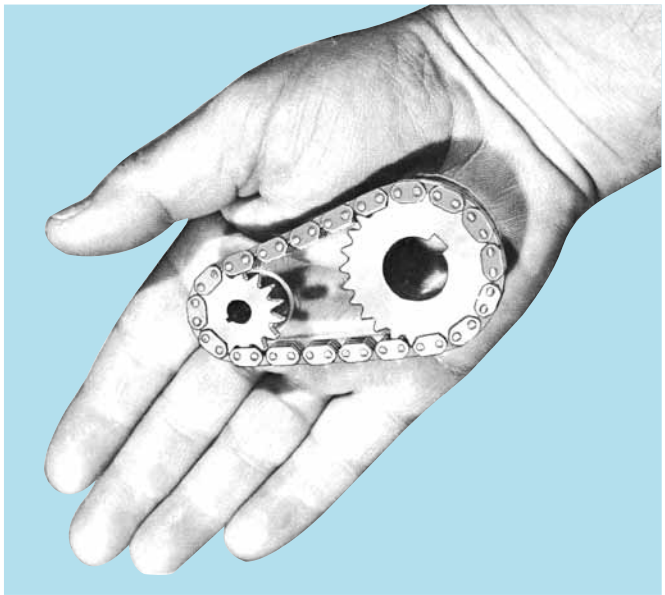
For Center Guide

sprocket face width

Nominal Width of Chain	Assembly of Links	Width of Sprocket Face	
		Outside Guide Type	Center Guide Type
5/32	2 & 3	.075	
7/32	3 & 4	.138	
9/32	4 & 5	.201	
11/32	5 & 6	.264	
15/32	7 & 8	.390	
19/32	9 & 10	.516	.625
25/32	12 & 13	.705	.813
31/32	15 & 16	.894	1.000

drive lubrication

Horsepower Rating table indicates the various lubrication ranges for types of lubrication. A good grade of mineral oil of medium consistency is recommended. A number of applications have been successful with the use of colloidal graphite where normal lubrication cannot be employed. Consult your Morse Sales Engineer for assistance in very special applications.



Morse's tiniest chain gives positive drives up to 10,000 rpm !

Tiny, but with the strength of steel, this highly efficient 3/16"-pitch Silent Chain transmits power as smoothly as a belt at speeds up to 10,000 rpm. It's available in every standard style: shroud, center guide, or duplex. Special chain materials are available for use in corrosive or extremely wearing conditions.

3/16" pitch silent chain sprocket diameters

No. of Teeth	Pitch Dia.	Out-side Dia.*	Over Pin Dia.†	No. of Teeth	Pitch Dia.	Out-side Dia.*	Over Pin Dia.†	No. of Teeth	Pitch Dia.	Out-side Dia.*	Over Pin Dia.†
11	.665	.632	.691	75	4.478	4.467	4.546	139	8.296	8.288	8.366
12	.724	.694	.761	76	4.537	4.526	4.606	140	8.356	8.348	8.427
13	.783	.755	.821	77	4.597	4.586	4.665	141	8.416	8.408	8.487
14	.843	.815	.888	78	4.657	4.646	4.726	142	8.475	8.467	8.546
15	.902	.876	.946	79	4.716	4.705	4.785	143	8.535	8.527	8.605
16	.961	.937	1.012	80	4.776	4.765	4.846	144	8.595	8.587	8.666
17	1.020	.996	1.069	81	4.836	4.825	4.905	145	8.654	8.646	8.724
18	1.080	1.057	1.134	82	4.895	4.884	4.965	146	8.714	8.706	8.785
19	1.139	1.116	1.191	83	4.955	4.944	5.024	147	8.774	8.766	8.844
20	1.199	1.177	1.256	84	5.015	5.004	5.085	148	8.833	8.826	8.904
21	1.258	1.237	1.312	85	5.074	5.063	5.143	149	8.893	8.885	8.963
22	1.318	1.298	1.377	86	5.134	5.124	5.204	150	8.953	8.945	9.024
23	1.377	1.357	1.433	87	5.194	5.184	5.263	151	9.012	9.004	9.082
24	1.436	1.417	1.497	88	5.253	5.243	5.323	152	9.072	9.064	9.143
25	1.496	1.477	1.554	89	5.313	5.303	5.382	153	9.132	9.124	9.202
26	1.556	1.538	1.617	90	5.373	5.363	5.443	154	9.191	9.184	9.262
27	1.615	1.597	1.674	91	5.432	5.422	5.501	155	9.251	9.244	9.321
28	1.675	1.657	1.737	92	5.492	5.482	5.562	156	9.311	9.303	9.382
29	1.734	1.717	1.795	93	5.552	5.542	5.621	157	9.370	9.363	9.441
30	1.794	1.777	1.857	94	5.611	5.601	5.681	158	9.430	9.423	9.501
31	1.853	1.836	1.914	95	5.671	5.661	5.740	159	9.490	9.483	9.560
32	1.913	1.897	1.977	96	5.731	5.721	5.801	160	9.549	9.542	9.620
33	1.973	1.957	2.035	97	5.790	5.780	5.859	161	9.609	9.601	9.679
34	2.032	2.016	2.096	98	5.850	5.840	5.920	162	9.669	9.661	9.740
35	2.092	2.077	2.155	99	5.910	5.900	5.979	163	9.728	9.721	9.799
36	2.151	2.136	2.216	100	5.969	5.959	6.039	164	9.788	9.780	9.859
37	2.211	2.196	2.274	101	6.029	6.019	6.098	165	9.848	9.840	9.918
38	2.271	2.256	2.336	102	6.089	6.079	6.159	166	9.908	9.900	9.979
39	2.330	2.315	2.394	103	6.148	6.138	6.217	167	9.967	9.960	10.037
40	2.390	2.376	2.456	104	6.207	6.197	6.277	168	10.027	10.020	10.098
41	2.449	2.435	2.513	105	6.268	6.258	6.337	169	10.087	10.079	10.157
42	2.509	2.495	2.575	106	6.328	6.318	6.398	170	10.146	10.139	10.217
43	2.569	2.555	2.633	107	6.388	6.378	6.457	171	10.206	10.199	10.276
44	2.628	2.614	2.695	108	6.447	6.437	6.518	172	10.266	10.258	10.337
45	2.688	2.674	2.753	109	6.508	6.498	6.576	173	10.325	10.318	10.395
46	2.748	2.735	2.815	110	6.566	6.556	6.637	174	10.385	10.378	10.456
47	2.807	2.794	2.872	111	6.625	6.615	6.695	175	10.445	10.437	10.516
48	2.867	2.854	2.934	112	6.685	6.675	6.755	176	10.504	10.497	10.575
49	2.926	2.913	2.992	113	6.745	6.735	6.815	177	10.564	10.557	10.635
50	2.986	2.973	3.053	114	6.805	6.795	6.876	178	10.624	10.616	10.695
51	3.046	3.033	3.111	115	6.866	6.856	6.935	179	10.683	10.676	10.755
52	3.105	3.092	3.173	116	6.924	6.914	6.995	180	10.743	10.736	10.814
53	3.165	3.152	3.231	117	6.984	6.974	7.054	181	10.803	10.795	10.874
54	3.225	3.213	3.293	118	7.044	7.034	7.114	182	10.862	10.855	10.933
55	3.284	3.272	3.351	119	7.103	7.094	7.174	183	10.922	10.915	10.993
56	3.344	3.332	3.412	120	7.162	7.153	7.233	184	10.982	10.974	11.053
57	3.404	3.392	3.471	121	7.222	7.214	7.292	185	11.041	11.034	11.113
58	3.463	3.451	3.531	122	7.282	7.273	7.353	186	11.101	11.094	11.172
59	3.523	3.511	3.590	123	7.341	7.334	7.411	187	11.161	11.154	11.232
60	3.583	3.571	3.651	124	7.401	7.393	7.472	188	11.221	11.213	11.292
61	3.642	3.630	3.709	125	7.461	7.453	7.531	189	11.280	11.273	11.351
62	3.702	3.690	3.771	126	7.520	7.512	7.591	190	11.340	11.332	11.411
63	3.762	3.750	3.830	127	7.580	7.572	7.650	191	11.400	11.392	11.471
64	3.821	3.809	3.890	128	7.640	7.632	7.711	192	11.459	11.452	11.530
65	3.881	3.869	3.949	129	7.699	7.692	7.769	193	11.519	11.512	11.590
66	3.941	3.930	4.010	130	7.759	7.751	7.830	194	11.578	11.571	11.649
67	4.000	3.989	4.068	131	7.819	7.811	7.889	195	11.638	11.631	11.710
68	4.060	4.049	4.129	132	7.878	7.870	7.949	196	11.698	11.691	11.769
69	4.120	4.109	4.188	133	7.938	7.930	8.008	197	11.758	11.751	11.829
70	4.179	4.168	4.248	134	7.998	7.990	8.069	198	11.817	11.810	11.888
71	4.239	4.228	4.307	135	8.057	8.050	8.127	199	11.877	11.870	11.948
72	4.299	4.288	4.368	136	8.117	8.109	8.187	200	11.937	11.929	12.000
73	4.358	4.347	4.426	137	8.177	8.169	8.246				
74	4.418	4.407	4.487	138	8.237	8.229	8.308				

*Outside Diameters are for Rounded Top Teeth
Blank Diameters = Outside Diameters + 0.15" Blank Diameter Tolerance + .000 - .005
†Gauge Pin Diameter .125"

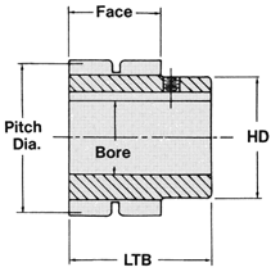
over pin diameter tolerances

Tolerances for Over Pin Diameter	
All tolerances are negative	
Number of Teeth	Tolerance
Up to 63	.004˝
64 and over	.005˝

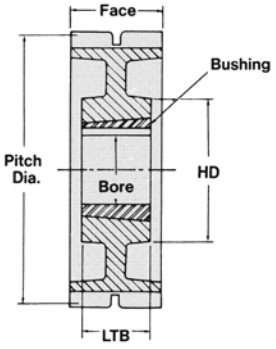
Standard Keyways

Diameter of shaft	Keyway Width and Depth
1/2 - 9/16	1/8 x 1/16
5/8 - 7/8	3/16 x 3/32
15/16 - 1 1/4	1/4 x 1/8

Maximum hub and dimensions shown on page I-30.



Type B
Teeth Hardened Hub
Projection One Side



Type C
Gray Iron
Hub Central

1/2" pitch sprockets

No. of Teeth	Catalog No.	Pitch Dia (In.)	Type	Min. Plain Bore	Max. Bore	Standard Bore Diameters With Std. KS and SS	HD	LTB	Approx. Wt.
1" FACE WIDTH FOR 3/4˝ AND 1˝ WIDE CHAINS									
17	404-17	2.721	B	5/8	1 3/8	3/4-1-1 1/8-1 1/4	2	2 1/8	2
19	404-19	3.038	B	5/8	1 5/8	3/4-1-1 1/8-1 1/4-1 5/8•	2 5/16	2 1/8	2.5
21	404-21	3.355	B	5/8	1 7/8	3/4-1-1 1/8-1 1/4-1 5/8	2 5/8	2 1/8	3.5
23	404-23	3.672	B	5/8	2 1/8	3/4-1-1 1/8-1 1/4-1 5/8	2 15/16	2 1/8	4.5
25	404-25	3.989	B	5/8	2 3/8	3/4-1-1 1/8-1 1/4-1 5/8	3 1/4	2 1/8	5.5
No. of Teeth	**Catalog No.**	**Pitch Dia (In.)**	**Type**	**Bore Range in 1/16˝ increments**		**Tapered Bore Bushing No.**	**HD**	**LTB**	**Approx. Wt.****
				Min.	**Max.**				
38	404-38	6.055	C	1/2	1 5/8	1615	3 1/8	1 1/2	4
57	404-57	9.076	C	1/2	1 5/8	1615	3 3/8	1 1/2	6
76	404-76	12.099	C	1/2	1 5/8	1615	3 3/8	1 1/2	9
95	404-95	15.122	C	1/2	2 1/2	2517	5	1 3/4	14.5
114	404-114	18.148	C	1/2	2 1/2	2517	5	1 3/4	21
2" FACE WIDTH FOR 1 1/4˝, 1 1/2˝ AND 2˝ WIDE CHAIN									
No. of Teeth	**Catalog No.**	**Pitch Dia (In.)**	**Type**	**Min. Plain Bore**	**Max. Bore**	**Standard Bore Diameters With Std. KS and SS**	**HD**	**LTB**	**Approx. Wt.**
17	408-17	2.721	B	7/8	1 3/8	1 1/8-1 1/4	2	3 1/8	3
19	408-19	3.038	B	7/8	1 5/8	1 1/8-1 1/4-1 5/8•	2 5/16	3 1/8	4
21	408-21	3.355	B	7/8	1 7/8	1 1/4-1 5/8-1 7/8•	2 5/8	3 1/8	4.5
23	408-23	3.672	B	7/8	2 1/8	1 1/4-1 5/8-1 7/8•	2 15/16	3 1/8	6
25	408-25	3.989	B	7/8	2 3/8	1 1/4-1 5/8-1 7/8	3 1/4	3 1/8	7.5
No. of Teeth	**Catalog No.**	**Pitch Dia (In.)**	**Type**	**Bore Range in 1/16˝ increments**		**Tapered Bore Bushing No.**	**HD**	**LTB**	**Approx. Wt.****
				Min.	**Max.**				
38	408-38	6.055	C	1/2	1 5/8	1615	3 1/8	1 1/2	6
57	408-57	9.076	C	1/2	2 1/2	2517	5	1 3/4	13
76	408-76	12.099	C	1/2	2 1/2	2517	5	1 3/4	20
95	408-95	15.122	C	3/4	2 1/2	2525	4 1/2	2 1/2	21
114	408-114	18.146	C	3/4	2 1/2	2525	4 1/2	2 1/2	26.5

**Weights shown do not include bushings
•Setscrew at 90° from keyseat.

* SPROCKETS ARE MADE TO ORDER.

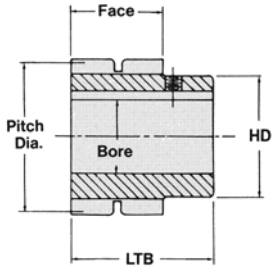
standard bore tolerances

Length of Bore, Inches To and incl.	Finished Bore and Stock Rebore — Diameter of Bore, Inches: Up Thru 1	over 1 thru 2	over 2 thru 3	over 3 thru 5	over 5	Minimum Plain Bore: Type Sprocket	All Bore Sizes
1	.002	.002	.003	.004	.005	B	+.002 — .000
2	.002	.002	.003	.004	.005	C	+.002 — .000
3	.002	.0025	.003	.004	.005		
4	.002	.003	.003	.004	.005		
5	.002	.003	.003	.0045	.005		
6		.003	.0035	.0045	.005		
8		.003	.0035	.0045	.005		
over 8			.004	.005	.005		

Tolerance will be on the plus side of nominal bore diameters. Bore diameter tolerances less than these standards can be held at moderate extra cost.

1/2″ pitch sprockets

3″ FACE WIDTH FOR 2 1/2″ AND 3″ WIDE CHAINS									
No. of Teeth	Catalog No.	Pitch Dia. (In.)	Type	Min. Plain Bore	Max. Bore	Standard Bore Diameters With Std. KS and SS	HD	LTB	Approx. Wt.
19	412-19	3.038	B	1	1 5/8	1 5/8•	2 5/16	4 1/8	4.5
21	412-21	3.355	B	1	1 7/8	1 5/8-1 7/8•	2 5/8	4 1/8	6
23	412-23	3.672	B	1	2 1/8	1 5/8-1 7/8- 2 1/8•	2 15/16	4 1/8	8
25	412-25	3.989	B	1	2 3/8	1 5/8-1 7/8- 2 1/8•	3 1/4	4 1/8	10
No. of Teeth	Catalog No.	Pitch Dia. (In.)	Type	Bore range in 1/16″ increments		Tapered Bore Bushing No.	HD	LTB	Approx. Wt.**
				Min.	Max.				
38	412-38	6.055	C	1/2	2 1/2	2517	4	1 3/4•	9
57	412-57	9.076	C	3/4	2 1/2	2525	4 1/2	2 1/2	14.5
76	412-76	12.099	C	3/4	2 1/2	2525	4 1/2	2 1/2	23
95	412-95	15.122	C	3/4	2 1/2	2525	4 1/2	2 1/2	27.5
114	412-114	18.146	C	15/16	3	3030	6	3	41
3 1/2″ FACE WIDTH FOR 3 1/2″ WIDE CHAINS									
No. of Teeth	Catalog No.	Pitch Dia. (In.)	Type	Min. Plain Bore	Max. Bore	Standard bore Diameters With Std. KS and SS	HD	LTB	Approx. Wt.
21	414-21	3.355	B	1 1/8	1 7/8	1 7/8	2 5/8	4 5/8	5
23	414-23	3.672	B	1 1/8	2 1/8	1 7/8-2 1/8	2 15/16	4 5/8	7
25	414-25	3.989	B	1 1/8	2 3/8	1 7/8-2 1/8•	3 1/4	4 5/8	9.5
No. of Teeth	Catalog No.	Pitch Dia. (In.)	Type	Bore range in 1/16″ increments		Tapered Bore Bushing No.	HD	LTB	Approx. Wt.**
				Min.	Max.				
38	414-38	6.055	C	1/2	2 1/2	2517	4	1 3/4	9.5
57	414-57	9.076	C	3/4	2 1/2	2525	4 1/2	2 1/2	16
76	414-76	12.099	C	3/4	2 1/2	2525	4 1/2	2 1/2	21.5
95	414-95	15.122	C	15/16	3	3030	6	3	36
114	414-114	18.146	C	15/16	3	3030	6	3	45.5



Type B
Teeth Hardened Hub
Projection One Side

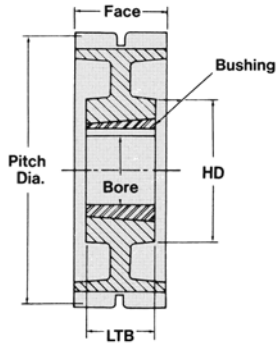
** Weights shown do not include bushings
• Setscrew at 90° from keyseat

* SPROCKETS ARE MADE TO ORDER.

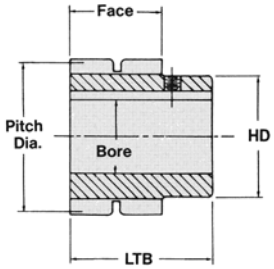
Keyseats

Diam of Shaft	Keyway *Width & Depth
1/2 — 9/16	1/8 x 1/16
5/8 — 7/8	3/16 x 3/32
15/16 — 1 1/4	1/4 x 1/8
1 15/16 — 1 3/8	5/16 x 5/32
1 7/16 — 1 3/4	3/8 x 3/16
1 13/16 — 2 1/4	1/2 x 1/4
2 5/16 — 2 3/4	5/8 x 5/16
2 13/16 — 3 1/4	3/4 x 3/8
3 5/16 — 3 3/4	7/8 x 7/16
3 13/16 — 4 1/2	1 x 1/2

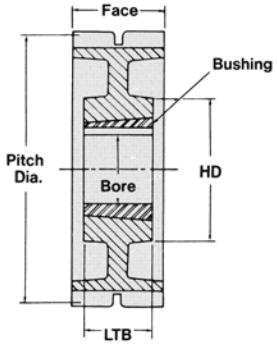
*Width tolerances for straight and tapered keyways are plus .002 minus .000; keyway depth for straight keyways is nominal plus .005 with plus .010 tolerance. Keyway depth for tapered keyways is nominal minus .025 with plus .010 tolerance.



Type C
Gray Iron
Hub Central



Type B
Teeth Hardened Hub
Projection One Side



Type C
Gray Iron
Hub Central

3/4″ pitch sprockets

3" FACE DUAL-DUTY WIDTH FOR 2" AND 3" WIDE CHAINS

No. of Teeth	Catalog No.	Pitch Dia. (In.)	Type	Min. Plain Bore	Max. Bore	Standard Bore Diameters With Std. KS and SS	HD	LTB	Approx. Wt.
17	612-17	4.082	B	1	2	1 5/8-1 7/8	3 1/6	4 1/8	8.5
19	612-19	4.557	B	1	2 3/8	1 7/8-2 1/8-2 3/8	3 1/2	4 1/8	11
21	612-21	5.032	B	1	2 3/4	1 7/8-2 1/8-2 3/8	4	4 1/8	14.5
23	612-23	5.508	B	1	3 1/4	1 7/8-2 1/8-2 3/8	4 7/16	4 1/8	18.5
25	612-25	5.984	B	1	3 5/8	1 7/8-2 1/8-2 3/8	4 15/16	4 1/8	23

No. of Teeth	Catalog No.	Pitch Dia. (In.)	Type	Bore range in 1/16" increments		Tapered Bore Bushing No.	HD	LTB	Approx. Wt.**
				Min.	Max.				
38	612-38	9.082	C	3/4	2 1/2	2525	4 1/2	2 1/2	19.5
57	612-57	13.615	C	15/16	3	3030	6	3	37
76	612-76	18.149	C	15/16	3	3030	6	3	46.5
95	612-95	22.683	C	1 3/16	3 1/2	3535	7 3/4	3 1/2	83
114	612-114	27.219	C	1 3/16	3 1/2	3535	7 3/4	3 1/2	131.5

5" FACE DUAL-DUTY WIDTH FOR 4″ AND 5″ WIDE CHAINS

No. of Teeth	Catalog No.	Pitch Dia. (In.)	Type	Min. Plain Bore	Max. Bore	Standard Bore Diameters With Std. KS and SS	HD	LTB	Approx. Wt.
17	620-17	4.082	B	1 1/2	2	1 7/8•	3 1/16	6 1/8	12
19	620-19	4.557	B	1 1/2	2 3/8	2 1/8-2 3/8•	3 1/2	6 1/8	15
21	620-21	5.032	B	1 1/2	2 3/4	2 1/8-2 3/8	4	6 1/8	21
23	620-23	5.508	B	1 1/2	3 1/4	2 1/8-2 3/8	4 7/16	6 1/8	26.5
25	620-25	5.984	B	1 1/2	3 5/8	2 3/8	4 15/16	6 1/8	33.5

No. of Teeth	Catalog No.	Pitch Dia. (In.)	Type	Bore range in 1/16" increments		Tapered Bore Bushing No.	HD	LTB	Approx. Wt.**
				Min.	Max.				
38	620-38	9.082	C	15/16	3	3030	5 3/8	3	32.5
57	620-57	13.615	C	15/16	3	3030	6	3	49
76	620-76	18.149	C	1 3/16	3 1/2	3535	7 3/4	3 1/2	72
95	620-95	22.683	C	1 7/16	4	4040	8 1/4	4	109.5
114	620-114	27.219	C	1 7/16	4	4040	9 1/4	4	149

** Weights shown do not include bushings.
• Setscrews at 90° from keyseat.

* SPROCKETS ARE MADE TO ORDER.

tapered bore-bushings

Bore diameters available on 1/16″ increments between minimum and maximum as shown below.

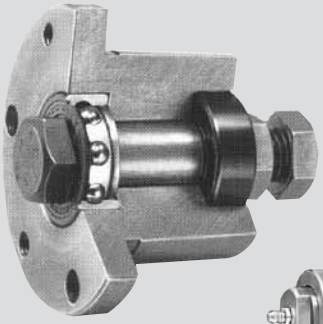
Bushing No.	Bore	Keyway	Wt.	Lgth.	Screw Size
1615	1/2 – 9 /16	1/8 x 1/16	1.2	1 1/2	3/8 x 5/8
	5/8 – 7/8	3/16 x 3 /32	1.1		
	15/16 – 1 1/4	1/4 x 1/8	1.0		
	1 5/16 – 1 3/8	5/16 x 5/32	.8		
	1 7/16 – 1 3/4	3/8 x 3/16	.7		
	1 9/16 – 1 5/8	3/8 x 1/8	.6		
2517	1/2 – 9/16	1/8 x 1/16	3.5	1 3/4	1/2 x 1
	5/8 – 7/8	3/16 x 3/32	3.4		
	15/16 – 1 1/4	1/4 x 1/8	3.3		
	1 5/16 – 1 3/8	5/16 x 5/32	3.2		
	1 7/16 – 1 3/4	3/8 x 3/16	3.0		
	1 13/16 – 2 1/4	1/2 x 1/4	2.4		
	2 5/16 – 2 1/2	§ 5/8 x 3/16	1.9		
2525	3/4 – 7/8	3/16 x 3/32	4.9	2 1/2	1/2 x 1
	15/16 – 1 1/4	1/4 x 1/8	4.7		
	1 5/16 – 1 /3/8	5/16 x 5/32	4.5		
	1 7/16 – 1 3/4	3/8 x 3/16	4.2		
	1 13/16 – 2 1/4	1/2 x 1/4	3.3		
	2 5/16 – 2 1/2	5/8 x 3/16	2.5		

§ Special flat keys are furnished

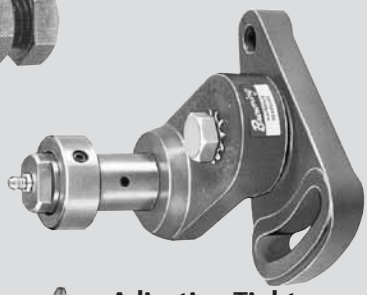
Bushing No.	Bore	Keyway	Wt.	Lgth.	Screw Size
3030	15/16 - 1 1/4	1/4 x 1/8	9.2	3	5/8 x 1 1/4
	1 5/16 - 1 3/8	5/16 x 5/32	8.9		
	1 7/16 - 1 3/4	3/8 x 3/16	8.6		
	1 13/16 - 2 1/4	1/2 x 1/4	7.6		
	2 5/16 - 2 3/4	5/8 x 5/16	6.2		
	2 13/16 - 3	§ 3/4 x 1/4	5.0		
3535	1 3/16 - 1 1/4	1/4 x 1/8	14	3 1/2	1/2 x 1 1/2
	1 5/16 - 1 3/8	5/16 x 5/32	14		
	1 7/16 - 1 3/4	3/8 x 3/16	13		
	1 13/16 - 2 1/4	1/2 x 1/4	12		
	2 5/16 - 2 3/4	5/8 x 5/16	11		
	2 13/16 - 3 1/4	3/4 x 3/8	9		
	3 5/16 - 3 1/2	§ 7/8 x 1/4	8		
4040	1 7/16 - 1 3/4	3/8 x 3/16	22	4	5/8 x 1 3/4
	1 13/16 - 2 1/4	1/2 x 1/4	21		
	2 5/16 - 2 3/4	5/8 x 5/16	19		
	2 13/16 - 3 1/4	3/4 x 3/8	17		
	3 5/16 - 3 5/8	7/8 x 7/16	15		
	3 11/16 - 3 3/4	§ 7/8 x 1/4	14		
	3 13/16 - 4	§ 1 x 1/4	13		

...DRIVE TIGHTENERS, IDLERS, IDLER BUSHINGS, SET COLLARS, KEYSTOCK AND CAST IRON BARS
A Wide Variety Of Specialized Products For Automatic Production

BROWNING is adding new power transmission products on a continuing basis to broaden the industry's already widest line. As part of this ongoing program, BROWNING today offers a wide variety of Drive Tighteners, Idlers, Idler Bushings, Set Collars, and many other power transmission products All of these products exemplify BROWNING'S commitment to serving your every requirement in power transmission drives and components.



Idler Bushings



Adjusting Tighteners

Fixed Flange Tighteners

Fixed Angle Tighteners

Single Adjusting Tighteners

V-Belt Sheave Idlers

Flat Face Idlers

Sprocket Idlers

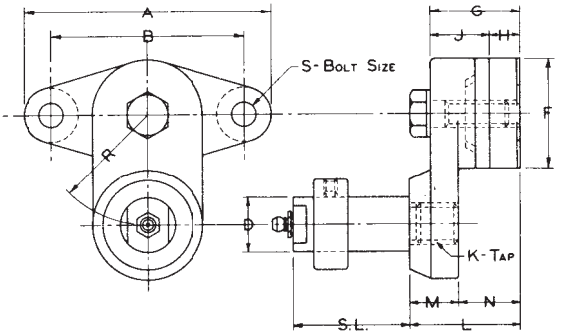
Gear Idlers

Keystock

Cast Iron Bars

J

MALLEABLE

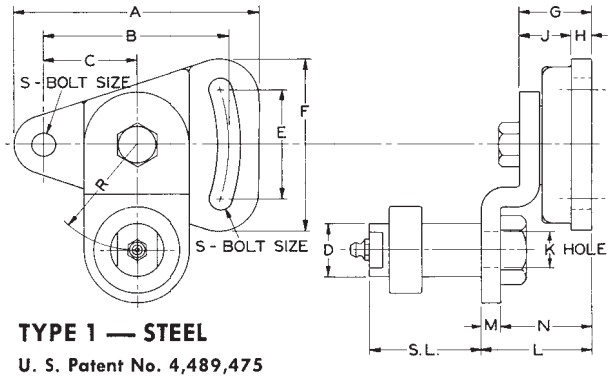


Adjusting Tighteners

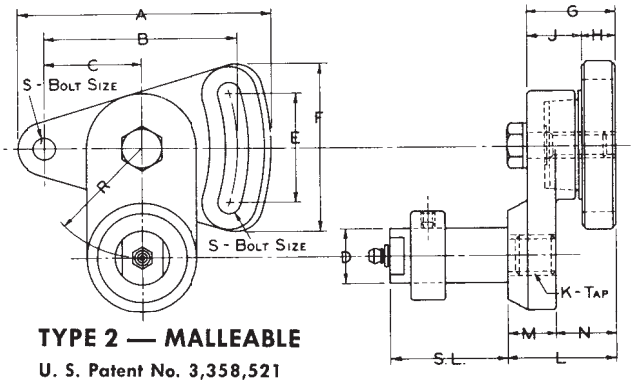
Table No. 1

Part No.	Shaft	DIMENSIONS														Wt. Lbs.
		A	B▲	D	F	G	H	J	K	L	M	N	R	S▲	S.L.	
ATN1	N1①	2 5/8"	2"	.500"	1 1/8	15/16"	5/16"	5/8"	3/8 — 16"	1 3/16"	1/2"	11/16"	1"	1/4"	1 1/2"	.5
ATH	None②	4 1/2	3 1/2	—	2	1 11/16	5/8	1 1/16	1/2 — 13	2 1/16	7/8	1 3/16	2	3/8	—	2.8
ATP	None②	4 1/2	3 1/2	—	2	1 11/16	5/8	1 1/16	5/8 — 11	2 1/16	7/8	1 3/16	2	3/8	—	2.7
ATQ	None②	4 1/2	3 1/2	—	2	1 11/16	5/8	1 1/16	3/4 — 10	2 1/16	7/8	1 3/16	2	3/8	—	2.6
ATQ	N2③	4 1/2	3 1/2	1.000	2	1 11/16	5/8	1 1/16	3/4 — 10	2 1/16	7/8	1 3/16	2	3/8	2 1/8	3.5
ATQ	N3③	4 1/2	3 1/2	1.000	2	1 11/16	5/8	1 1/16	3/4 — 10	2 1/16	7/8	1 3/16	2	3/8	3 1/8	3.7
ATQ	N4③	4 1/2	3 1/2	1.000	2	1 11/16	5/8	1 1/16	3/4 — 10	2 1/16	7/8	1 3/16	2	3/8	4 1/8	4.0
ATQ-1	None②	6 3/4	5 /14	—	3	2 3/8	13/16	1 9/16	1 — 8	2 15/16	1 5/16	1 5/8	5	5/8	—	9.8
ATQ-1	N5③	6 3/4	5 1/4	1.500	3	2 3/8	13/16	1 9/16	1 — 8	2 15/16	1 5/16	1 5/8	5	5/8	4	12.3
ATQ-1	N6③	6 3/4	5 1/4	1.500	3	2 3/8	13/16	1 9/16	1 — 8	2 15/16	1 5/16	1 5/8	5	5/8	6	13.3

▲Holes are cast, some variations may be expected.
①Shaft is included.
②No shaft is required when used with Idler Bushings shown on page J-8.
③SHAFT MUST BE ORDERED SEPARATELY



TYPE 1 — STEEL
U. S. Patent No. 4,489,475



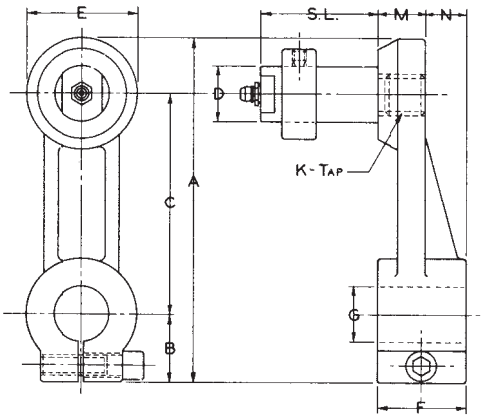
TYPE 2 — MALLEABLE
U. S. Patent No. 3,358,521

Double Adjusting Tighteners

Table No. 2

Part No.	Type	Shaft	DIMENSIONS																Wt. Lbs.
			A	B▲	C	D	E	F	G	H	J	K	L	M	N	R	S▲	S.L.	
DATN1	2	N1①	2 23/32"	2"	15/16"	.500"	1 1/4"	1 31/32"	15/16"	3/8"	9/16"	3/8 — 16	1 3/16 "	1 1/2"	11/16"	1"	1/4"	1 1/2"	.7
DATSH	1	None②	4 5/8	3 1/2	1 3/4	—	2 1/16	3 1/4	1 5/16	3/8	15/16	9/16 Dia.	2 1/16	3/8	1 11/16	2	3/8	—	2.8
DATSP	1	None②	4 5/8	3 1/2	1 3/4	—	2 1/16	3 1/4	1 5/16	3/8	15/16	11/16 Dia.	2 1/16	3/8	1 11/16	2	3/8	—	2.8
DATSQ	1	None②	4 5/8	3 1/2	1 3/4	—	2 1/16	3 1/4	1 5/16	3/8	15/16	25/32 Dia.	2 1/16	3/8	1 11/16	2	3/8	—	2.7
DATSQ	1	N2③	4 5/8	3 1/2	1 3/4	1.000	2 1/16	3 1/4	1 5/16	3/8	15/16	25/32 Dia.	2 1/16	3/8	1 11/16	2	3/8	2 1/8	3.4
DATSQ	1	N3③	4 5/8	3 1/2	1 3/4	1.000	2 1/16	3 1/4	1 5/16	3/8	15/16	25/32 Dia.	2 1/16	3/8	1 11/16	2	3/8	3 1/8	3.8
DATSQ	1	N4③	4 5/8	3 1/2	1 3/4	1.000	2 1/16	3 1/4	1 5/16	3/8	15/16	25/32 Dia.	2 1/16	3/8	1 11/16	2	3/8	4 1/8	4.0
DATQ-1	2	None②	6 15/16	5 1/4	2 5/8	—	3	4 9/16	2 3/8	7/8	1 1/2	1 — 8	2 15/16	1 5/16	1 5/8	5	5/8	—	11.3
DATQ-1	2	N5③	6 15/16	5 1/4	2 5/8	1.500	3	4 9/16	2 3/8	7/8	1 1/2	1 — 8	2 15/16	1 5/16	1 5/8	5	5/8	4	13.6
DATQ-1	2	N6③	6 15/16	5 1/4	2 5/8	1.500	3	4 9/16	2 3/8	7/8	1 1/2	1 — 8	2 15/16	1 5/16	1 5/8	5	5/8	6	14.9

▲Holes and Slots are cast in Type 2, some variations may be expected.
①Shaft is included.
②No shaft is required when used with Idler Bushings shown on page J-8.
③SHAFT MUST BE ORDERED SEPARATELY.



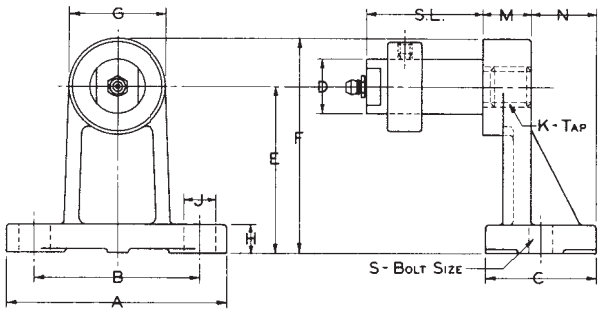
MALLEABLE

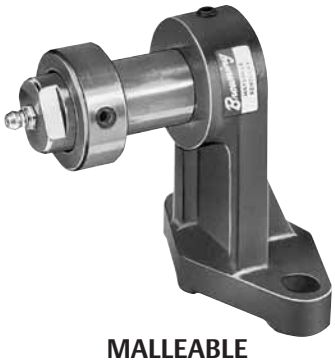
Single Adjusting Tighteners

Table No. 1

Part No.	Shaft	DIMENSIONS											Wt. Lbs.
		A	B	C	D	E	F	G	K	M	N	S. L.	
SATN1	N1①	3 9/32"	23/32"	2"	.500"	1 1/8"	13/16"	1/2"	3/8 — 16	1/2"	5/16"	1 1/2"	.8
SATH	None②	6 1/4	1 1/4	4	—	2	1 5/8	1	1/2 — 13	7/8	3/4	—	2.4
SATP	None②	6 1/4	1 1/4	4	—	2	1 5/8	1	5/8 — 11	7/8	3/4	—	2.3
SATQ	None②	6 1/4	1 1/4	4	—	2	1 5/8	1	3/4 — 10	7/8	3/4	—	2.3
SATQ	N2③	6 1/4	1 1/4	4	1.000	2	1 5/8	1	3/4 — 10	7/8	3/4	2 1/8	2.9
SATQ	N3③	6 1/4	1 1/4	4	1.000	2	1 5/8	1	3/4 — 10	7/8	3/4	3 1/8	3.1
SATQ	N4③	6 1/4	1 1/4	4	1.000	2	1 5/8	1	3/4 — 10	7/8	3/4	4 1/8	3.4
SATQ-1	None②	9 3/8	1 7/8	6	—	3	2 7/16	1 1/2	1 — 8	1 5/16	1 1/8	—	8.0
SATQ-1	N5③	9 3/8	1 7/8	6	1.500	3	2 7/16	1 1/2	1 — 8	1 5/16	1 1/8	4	10.5
SATQ-1	N6③	9 3/8	1 7/8	6	1.500	3	2 7/16	1 1/2	1 — 8	1 5/16	1 1/8	6	11.5

①Shaft is included.
②No shaft is required when used with Idler Bushings shown on page J-8.
③SHAFT MUST BE ORDERED SEPARATELY.





MALLEABLE

Fixed Angle Tighteners

Table No. 2

Part No.	Shaft	DIMENSIONS														Wt. Lbs.
		A	B▲	C	D	E	F	G	H	J▲	K	M	N	S.L.	S▲	
FATN1	N1①	2 3/8"	1 3/4"	1 1/8"	.500"	1 1/2"	2"	1"	1/4"	9/32"	3/8 — 16	1/2"	11/16"	1 1/2"	1/4"	.4
FATH	None②	4	3	2	—	3	3 7/8	1 3/4	1/2	9/16	1/2 — 13	7/8	1 3/16	—	3/8	1.6
FATP	None②	4	3	2	—	3	3 7/8	1 3/4	1/2	9/16	5/8 — 11	7/8	1 3/16	—	3/8	1.5
FATQ	None②	4	3	2	—	3	3 7/8	1 3/4	1/2	9/16	3/4 — 10	7/8	1 3/16	—	3/8	1.4
FATQ	N2③	4	3	2	1.000	3	3 7/8	1 3/4	1/2	9/16	3/4 — 10	7/8	1 3/16	2 1/8	3/8	2.5
FATQ	N3③	4	3	2	1.000	3	3 7/8	1 3/4	1/2	9/16	3/4 — 10	7/8	1 3/16	3 1/8	3/8	2.6
FATQ	N4③	4	3	2	1.000	3	3 7/8	1 3/4	1/2	9/16	3/4 — 10	7/8	1 3/16	4 1/8	3/8	3.0
FATQ-1	None②	7 1/2	6	3 1/2	—	6	7 5/16	2 5/8	3/4	15/16	1 — 8	1 5/16	2 1/4	—	5/8	8.1
FATQ-1	N5③	7 1/2	6	3 1/2	1.500	6	7 5/16	2 5/8	3/4	15/16	1 — 8	1 5/16	2 1/4	4	5/8	10.6
FATQ-1	N6③	7 1/2	6	3 1/2	1.500	6	7 5/16	2 5/8	3/4	15/16	1 — 8	1 5/16	2 1/4	6	5/8	11.5

▲Slots are cast, some variations may be expected.
①Shaft is included.
②No shaft is required when used with Idler Bushings shown on page J-8.
③SHAFT MUST BE ORDERED SEPARATELY.

J

MALLEABLE

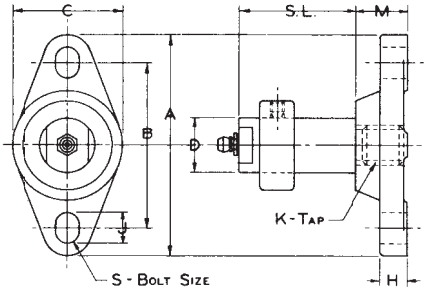


Table No. 1

Fixed Flange Tighteners

Part No.	Shaft	DIMENSIONS										Wt. Lbs.
		A	B▲	C	D	H	J▲	K	M	S.L.	S▲	
FFTN1	N1①	2 3/8"	1 3/4"	1 1/8"	.500"	1/4"	9/32"	3/8 — 16	1/2"	1 1/2"	1/4"	.3
FFTH	None②	4	3	2	—	1/2	9/16	1/2 — 13	15/16	—	3/8	.9
FFTP	None②	4	3	2	—	1/2	9/16	5/8 — 11	15/16	—	3/8	.9
FFTQ	None②	4	3	2	—	1/2	9/16	3/4 — 10	15/16	—	3/8	.8
FFTQ	N2③	4	3	2	1.000	1/2	9/16	3/4 — 10	15/16	2 1/8	3/8	1.6
FFTQ	N3③	4	3	2	1.000	1/2	9/16	3/4 — 10	15/16	3 1/8	3/8	1.8
FFTQ	N4③	4	3	2	1.000	1/2	9/16	3/4 — 10	15/16	4 1/8	3/8	2.1
FFTQ-1	None②	7 1/2	6	3 1/2	—	3/4	15/16	1 — 8	1 7/16	—	5/8	4.8
FFTQ-1	N5③	7 1/2	6	3 1/2	1.500	3/4	15/16	1 — 8	1 7/16	4	5/8	7.3
FFTQ-1	N6③	7 1/2	6	3 1/2	1.500	3/4	15/16	1 — 8	1 7/16	6	5/8	8.5

▲Slots are cast, some variations may be expected.
①Shaft is included.
②No shaft is required when used with Idler Bushings shown on page J-8.
③SHAFT MUST BE ORDERED SEPARATELY.

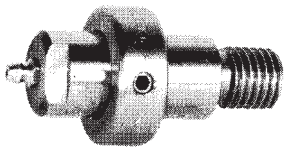
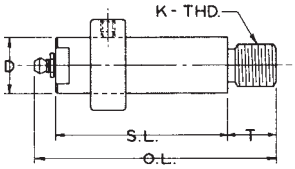
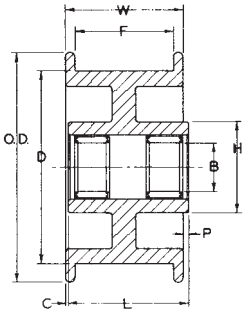


Table No. 2

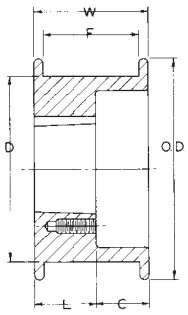
Tightener Shafts

Part No.	DIMENSIONS					Wt. Lbs.
	O.L.	D	K	T	S.L.	
N1	2 5/16"	.500"	3/8 — 16	7/16"	1 1/2"	.13
N2	3 3/8	1.000	3/4 — 10	7/8	2 1/8	.6
N3	4 3/8	1.000	3/4 — 10	7/8	3 1/8	.9
N4	5 3/8	1.000	3/4 — 10	7/8	4 1/8	1.0
N5	5 11/16	1.500	1 — 8	1 5/16	4	2.8
N6	7 11/16	1.500	1 — 8	1 5/16	6	3.8





Type 1



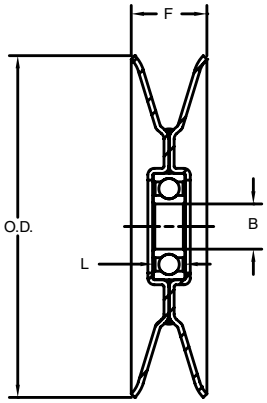
Type 2

Table No. 3

Flat Face Idlers

Part No.	Type	Shaft Length	DIMENSIONS									Wt. Lbs.	Radial Load Capacity in Pounds Based on 2500 Hours Average Life at RPM Shown ■							
			O.D.	D	B	H	W	F	L	P	C		100	500	1000	1500	2000	2500	3000	3500
N1D05F	1	1 1/2" *	1 3/4"	1 3/8"	1/2"	1 1/4"	3/4"	9/16"	3/4"	1/8"	1/8"	.3	665	406	331	294	269	250	237	226
N4D1F	1	2 1/8*	4 3/8	4	1	1 7/8	1 7/16	1 1/16	1 1/4	1/8	5/16	3.0	2927	1787	1458	1295	1185	1104	1047	997
N4D2F	1	3 1/8*	4 3/8	4	1	1 7/8	2 7/16	2 1/16	2 1/2	1/8	1/16	5.0	4348	2654	2166	1922	1760	1640	1544	1482
N4D3F	1	4 1/8*	4 3/8	4	1	1 7/8	3 7/16	3 1/16	3 1/2	1/8	1/16	7.8	5854	3574	2916	2590	2370	2208	2094	1994
N6D4F	1	6*	7	6	1 1/2	2 5/8	5	4 1/2	4	1/8	1 1/8	22.5	5884	3592	2930	2602	2380	2218	2102	2004
N6D6F	1	6*	7	6	1 1/2	2 5/8	6 3/4	6 1/4	5	1/8	1 7/8	29.5	5884	3592	2930	2602	2380	2218	2102	2004
4D1FH	2	H1▲	4 3/8	4	▲	—	1 7/16	1 1/16	7/8	—	9/16	3.4	1518	1016	854	772	718	678	648	624
4D2FP	2	P1▲	4 3/8	4	▲	—	2 7/16	2 1/16	1 5/16	—	1 1/8	4.6	1518	1016	854	772	718	678	648	624
4D3FP	2	P1▲	4 3/8	4	▲	—	3 7/16	3 1/16	1 5/16	—	2 1/8	5.6	1518	1016	854	772	718	678	648	624

*For use with Drive Tighteners shown on pages J-2 and J-3 and above with shaft lengths indicated.
▲ For use with H-1 1/2 or P1-5/8 IDLER BUSHINGS shown on page J-8.
■See page J-8 for factors to use for Average Life of more or less than 2500 hours.
All Browning Stock Idlers furnished with needle bearings have retainers that insure minimum internal friction and wear by separating the needle rollers. These bearings are inset approximately 1/8" on either end of the Idler hubs to form a grease cavity.



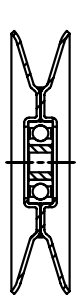
Features and Benefits

- Stamped Steel Idler For Drop-In Replacement of OEM Parts
- Wide Range of O.D.'s: 4.0", 5.0", 6.0", 7.0"
- Bore Sizes Available in 3/8", ½" and 17 mm
- Special Seam Weld For Added Strength
- Sealed for Life Ball Bearing
- Available From Stock

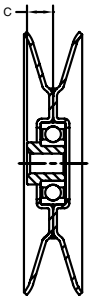
Table No. 1

PART NO.	DIMENSIONS					Weigh LBS.	RADIAL LOAD CAPACITY IN POUNDS BASED ON 2500 HOURS AVERAGE LIFE AT RPM SHOWN			
	O.D.	*BELT SIZE	B	F	L		500	1000	2000	4000
SIB40	4.0	5L-B-5V	.6693/.6690(17MM)	.81	.47	0.61	617	483	375	283
SIB50	5.0	5L-B-5V-C	.6693/.6690(17MM)	1.12	.47	1.1	617	483	375	283
SIB60	6.0	5L-B-5V-C	.6693/.6690(17MM)	1.12	.47	1.42	617	483	375	283
SIB70	7.0	5L-B-5V-C	.6693/.6690(17MM)	1.12	.47	1.95	617	483	375	283

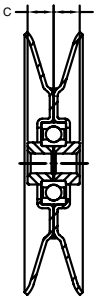
1 Bearing Bore Adaptor must be ordered separately. See Table 2
* The groove will accept wrapped and notched belts.



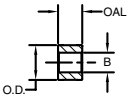
IDLER WITH SLEEVE



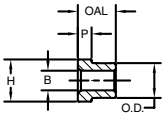
IDLER WITH SHOULDER TYPE 1



IDLER WITH SHOULDER TYPE 2



SLEEVE TYPE



SHOULDER TYPE

Table No. 2

PART NO.	DIMENSIONS						TYPE	WEIGHT LBS.
	B	C	O.D.	OAL	H	P		
IDLER BBA1	.376/.380	-	.6698(17MM)	.46	-	-	SLEEVE	0.06
IDLER BBA2	.501/.505	-	.6698(17MM)	.46	-	-	SLEEVE	0.06
IDLER BBA3	.376/.380	0.5	.6698(17MM)	.73	.81	.26	SHOULDER TYPE 1	0.06
IDLER BBA4	.501/.505	0.5	.6698(17MM)	.73	.81	.26	SHOULDER TYPE 1	0.06
IDLER BBA5	.376/380	0.5	.6698(17MM)	.49	.81	.26	SHOULDER TYPE 2	0.05
IDLER BBA6	.501/.505	0.5	.6698(17MM)	.49	.81	.26	SHOULDER TYPE 2	0.05

- Drawings are for reference only.
- Idlers above contain sealed ball bearings.
- Idler sheaves and bearing bore adapters are sold separately.
- See page J-8 for factors to use for Average Life of more or less than 2500 hours.
- Standard Terms and Conditions apply.

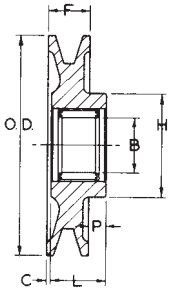
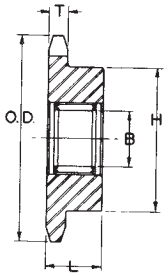
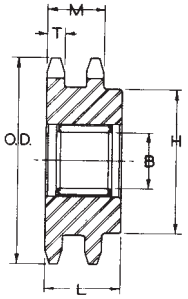


Table No. 1

V-Belt Sheave Idlers

Part No.	Shaft Length*	Belt Size	DIMENSIONS							Wt. Lbs.	Radial Load Capacity in Pounds Based on 2500 Hours Average Life at RPM Shown ■							
			O.D.	B	H	F	L	P	C		100	500	1000	1500	2000	2500	3000	3500
NOK17	1 1/2"	3L	1.92"	1/2"	1 1/2"	1/2"	3/4"	1/4"	0	.1	**665**	**406**	**331**	**294**	**269**	**250**	**237**	**226**
NAK25	1 1/2	4L or A	2.50	1/2	1 9/16	21/32	3/4	1/4	5/32"	.3	**665**	**406**	**331**	**294**	**269**	**250**	**237**	**226**
NAK30	1 1/2	4L or A	3.05	1/2	1 9/16	21/32	3/4	1/4	5/32	.5	**665**	**406**	**331**	**294**	**269**	**250**	**237**	**226**
NAK41	2 1/8	4L or A	3.95	1	1 7/8	3/4	1	5/16	1/16	1.0	**2174**	**1327**	**1083**	**961**	**880**	**820**	**772**	**741**
NBK40	2 1/8	5L or B	3.96	1	1 7/8	7/8	1	1/4	1/8	1.1	**2174**	**1327**	**1083**	**961**	**880**	**820**	**772**	**741**
NBK52	2 1/8	5L or B	4.96	1	1 7/8	7/8	1	1/4	1/8	1.6	**2174**	**1327**	**1083**	**961**	**880**	**820**	**772**	**741**





HARDENED TEETH

Table No. 2

Sprocket Idlers with HARDENED TEETH

Part No.	Shaft Length*	Chain Size	No. Teeth	DIMENSIONS						Wt. Lbs.	Radial Load Capacity in Pounds Based on 2500 Hours Average Life at RPM Shown ■							
				O.D.	T	M	H	L	B		100	500	1000	1500	2000	2500	3000	3500
For ANSI Roller Chain — Dimensions in Inches																		
HN25B19	1 1/2"	25	19	1.65"	.110"	—	1 7/32"	3/4"	1/2"	.1	**665**	**406**	**331**	**294**	**269**	**250**	**237**	**226**
HN35B13	1 1/2	35	13	1.75	.168	—	1 5/32	3/4	1/2	.1	**665**	**406**	**331**	**294**	**269**	**250**	**237**	**226**
HN35B19	2 1/8	35	19	2.47	.168	—	1 13/16	1	1	.3	**2174**	**1327**	**1083**	**961**	**880**	**820**	**772**	**741**
HN41B19	2 1/8	41	19	3.28	.227	—	2 7/16	1	1	.9	**2174**	**1327**	**1083**	**961**	**880**	**820**	—	—
HN40B19	2 1/8	40	19	3.28	.284	—	2 7/16	1	1	1.0	**2174**	**1327**	**1083**	**961**	**880**	**820**	—	—
HN50B17	2 1/8	50	17	3.72	.343	—	2 5/8	1	1	1.3	**2174**	**1327**	**1083**	**961**	**880**	**820**	—	—
HN60B17	2 1/8	60	17	4.46	.459	—	2 5/8	1	1	1.9	**2174**	**1327**	**1083**	**961**	**880**	—	—	—
HN80B13	2 1/8	80	13	4.66	.575	—	2 5/8	1 1/4	1	2.6	**2174**	**1327**	**1083**	**961**	**880**	—	—	—
HN100B11	4	100	11	5.01	.692	—	2 31/32	1 7/8	1 1/2	3.7	**5884**	**3592**	**2930**	**2602**	—	—	—	—
HN120B11	4	120	11	6.01	.924	—	3 11/16	2	1 1/2	7.1	**5884**	**3592**	**2930**	**2602**	—	—	—	—
HN140B11	4	140	11	7.01	.924	—	4 3/16	2 1/4	1 1/2	10.8	**5884**	**3592**	**2930**	**2602**	—	—	—	—
HND35B19	2 1/8	35-2	19	2.47	.162	.561"	1 13/16	1	1	.4	**2174**	**1327**	**1083**	**961**	**880**	**820**	**772**	**741**
HND40B19	2 1/8	40-2	19	3.28	.275	.841	2 7/16	1 1/4	1	1.6	**2927**	**1787**	**1458**	**1295**	**1185**	**1104**	—	—
HND50B17	2 1/8	50-2	17	3.72	.332	1.045	2 5/8	1 3/8	1	2.0	**2927**	**1787**	**1458**	**1295**	**1185**	—	—	—
HND60B17	3 1/8	60-2	17	4.46	.444	1.341	2 5/8	1 3/4	1	4.0	**4348**	**2654**	**2166**	**1922**	**1760**	—	—	—
HND80B13	3 1/8	80-2	13	4.66	.557	1.710	2 5/8	2 1/4	1	5.2	**4348**	**2654**	**2166**	**1922**	—	—	—	—
HND100B11	4	100-2	11	5.01	.669	2.077	2 21/32	2 7/8	1 1/2	6.1	**5884**	**3592**	**2930**	**2602**	—	—	—	—

*For use with Drive Tighteners shown on pages J-2 and J-3 and J-4 above with shaft lengths indicated.

■ See page J-8 for factors to use for Average Life of more or less than 2500 hours.

All Browning Stock Idlers furnished with needle bearings have retainers that insure minimum internal friction and wear by separating the needle rollers. These bearings are inset approximately 1/8" on either end of the Idler hubs to form a grease cavity.

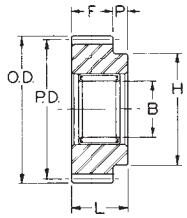
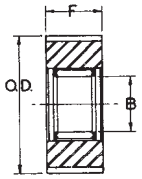


Table No. 1

Gear Idlers — 14 1/2° Pressure Angle

Part No.	Shaft Length*	Diam. Pitch	No. Teeth	DIMENSIONS							Wt. Lbs.	Radial Load Capacity in Pounds Based on 2500 Hours Average Life at RPM Shown ■			
				O.D.	P.D.	B	F	L	P	H		100	500	1000	1500
NSS1639HN	2 1/8"	16	39	2.56"	2.438"	1"	1/2"	1"	1/2"	2"	.7	2174	1327	1083	961
NSS1229HN	2 1/8	12	29	2.58	2.417	1	3/4	1	1/4	2	.8	2174	1327	1083	961
NSS1025HN	2 1/8	10	25	2.70	2.500	1	1	1	0	—	.9	2174	1327	1083	961
NSS821HN	2 1/8	8	21	2.75	2.625	1	1 1/4	1 1/4	0	—	1.3	2927	1787	1458	1295



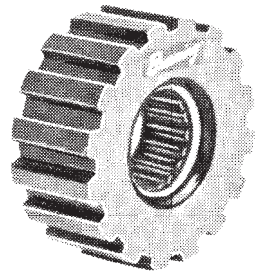


Table No. 2

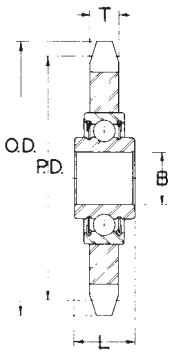
Gearbelt® Pulley Idlers

Part No.	Shaft Length*	Pitch	No. Grooves	DIMENSIONS			Wt. Lbs.	Radial Load Capacity in Pounds Based on 2500 Hours Average Life at RPM Shown ■							
				O.D.	F	B		100	500	1000	1500	2000	2500	3000	3500
N22XL075	1 1/2"	1/5" (XL)	22	1.381"	3/4"	1/2"	.6	**665**	**406**	**331**	**294**	**269**	**250**	**237**	**226**
N22L100	2 1/8	3/8 (L)	22	2.602	1	1	1.0	**2174**	**1327**	**1083**	**961**	**880**	**820**	**772**	**741**
N16H100	2 1/8	1/2 (H)	16	2.499	1	1	.9	**2174**	**1327**	**1083**	**961**	**880**	**820**	**772**	**741**
N16H200	3 1/8	1/2 (H)	16	2.499	2	1	1.9	**4348**	**2654**	**2166**	**1922**	**1760**	**1640**	**1544**	**1482**

*For use with Drive Tighteners shown on pages J-2 and J-3 and J-4 with shaft lengths indicated.

■ See page J-8 for factors to use for Average Life of more or less than 2500 hours.

All Browning Stock Idlers furnished with needle bearings have retainers that insure minimum internal friction and wear by separating the needle rollers. These bearings are inset approximately 1/8" on either end of the Idler hubs to form a grease cavity.



HARDENED TEETH

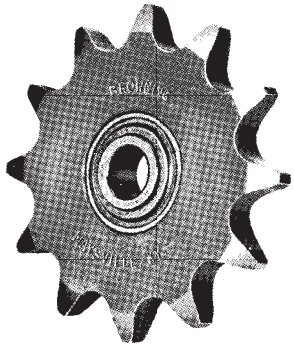


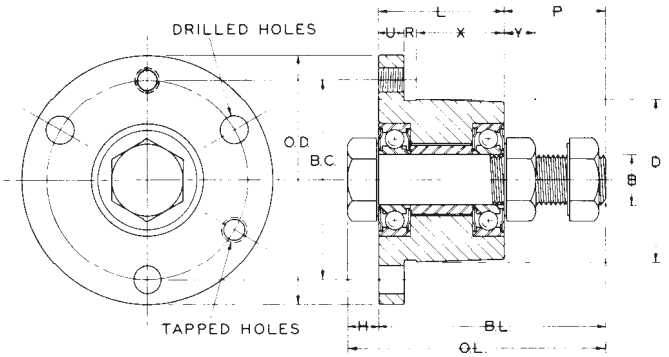
Table No. 3

Sprocket Idlers with Ball Bearings*

Part No.	Chain Size	No. Teeth	DIMENSIONS					Wt. Lbs.	Radial Load Capacity in Pounds Based on 2500 Hours Average Life at RPM Shown ■				
			O.D.	P.D.	B	L	T		100	300	600	900	1200
HB40A17 X 5/8	40	17	2.96"	2.721"	.630"	.720"	.284"	.5	530	360	298	262	230
HB50A15 X 5/8	50	15	3.32	3.006	.630	.720	.343	.6	530	360	298	262	230
HB60A13 X 5/8	60	13	3.49	3.134	.630	.720	.459	.8	530	360	298	262	230
HB80A12 X 3/4	80	12	4.33	3.864	.750	.610	.575	1.5	1660	1262	1061	958	892

*Not for use with Drive Tighteners

■ See page J-8 for factors to use for Average Life of more or less than 2500 hours



Furnished complete with:

Ball Bearings, Cap Screws, Stud Bolts and Nuts

Browning® Idler Bushings provide Idlers in the following products:

SHEAVES
- FHP
- Multiple
- Poly-V
- 358

HARDENED AND STANDARD SPROCKETS
- Single
- Double
- Triple

GEARBELT PULLEYS GEARS

Available for H, P1, Q1 and R1 Bore Items.

Specifications

Table No. 1

Part Number	Dimensions												Tapped holes		Drilled holes		Approx Wt. Lbs.
	O.D.	B.C.	D	B	O.L.	B.L.	H & Y	L	P	U	R	X	No.	Size	No.	Size	
*IDH1 — 1/2	2 1/2"	2"	1.625"	1/2"	2 9/16"	2 1/4"	5/16"	1 1/4"	1"	1/4"	1/8"	7/8"	2	1/4" — 20	2	5/16"	.9
*IDP1 — 5/8	3"	2 7/16"	1.937"	5/8"	3 41/64"	3 1/4"	25/64"	1 15/16"	1 5/16"	13/32"	7/32"	1 5/16"	2	5/16" — 18	3	3/8"	1.9
*IDQ1 — 3/4	4 1/8"	3 3/8"	2.875"	3/4"	4 7/32"	3 3/4"	15/32"	2 1/2"	1 1/4"	17/32"	7/32"	1 3/4"	2	3/8" — 16	3	7/16"	5.5
*IDQ1 — 1	4 1/8"	3 3/8"	2.875"	1"	4 39/64"	4"	39/64"	2 1/2"	1 1/2"	17/32"	7/32"	1 3/4"	2	3/8" — 16	3	7/16"	5.9
IDR1 — 1 1/2	5 3/8"	4 5/8"	4.000"	1 1/2"	6 1/2"	5 1/2"	1"	2 7/8"	2 5/8"	5/8"	1/4"	2"	2	3/8" — 16	3	7/16"	14.1

*These sizes fit H, P, Q, and Q1 Drive Tighteners shown on pages J-2, J-3 and J-4.

NOTE—Mount Stud Bolt in either direction.

Load Ratings — Idler Bushings

Table No. 2

Part No.	Radial Load Capacity in Pounds Based on 2500 Hours Average Life at RPM Shown							
	100	500	1000	1500	2000	2500	3000	3500
IDH1 — 1/2	1518	1016	854	772	718	678	648	624
IDP1 — 5/8	1518	1016	854	772	718	678	648	624
IDQ1 — 3/4	3320	2222	1868	1688	1568	1486	1420	1366
IDQ1 — 1	3554	2378	2000	1806	1680	1590	1518	1462
IDR1 — 1 1/2	8326	5570	4684	4232	3936	3726	3560	3424

Average Life Factors

Radial Load Capacities shown for NEEDLE BEARING IDLERS and IDLER BUSHINGS are based on 2500 Hours Average Life. If another average life is desired, these ratings must be modified by factors as follows:

500 Hours — 1.71	4000 Hours — .85	9000 Hours — .65
1000 Hours — 1.36	5000 Hours — .79	10000 Hours — .63
1500 Hours — 1.19	6000 Hours — .75	15000 Hours — .55
2000 Hours — 1.07	7000 Hours — .71	20000 Hours — .50
3000 Hours — .94	8000 Hours — .68	

BROWNING® DRIVE TIGHTENERS AND IDLERS

Correct operating tension is an important factor in the satisfactory performance and life of any V-belt or chain drive. As V-belts wear they seat themselves deeper in the sheave grooves. This seating, along with belt stretch, lessens the initial tension. The result is slippage and loss in horsepower capacity unless some form of take up is used to restore and maintain original tension.

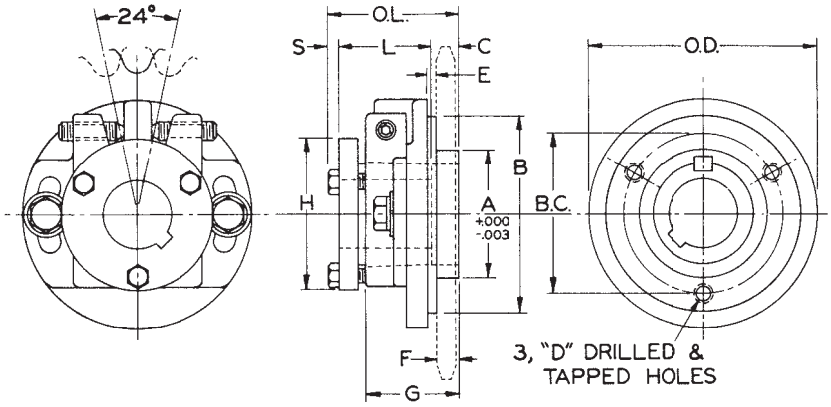
As chains wear they elongate, which results in sway or slap and increased vibration. This puts undue shock into the drive and increases bearing wear.

Both V-belt and chain drives wear at an increased rate if allowed to run with insufficient tension. Adjustment of center distance is the best method of maintaining proper tension. In cases of fixed centers, BROWNING® Drive Tighteners and Idlers provide the necessary means of take up. The BROWNING Drive Tighteners also provide a means of obtaining extra belt or chain wrap frequently needed for extremely high ratios, multiple shaft or serpentine drives.

Careful consideration must be given to the following when using idlers:

1. Too much tension in a drive causes excessive belt, chain and bearing wear.
2. Too little tension in a drive allows belt slippage or chain vibration, resulting in loss of power and additional wear.
3. All idlers should be used on the slack side of the drive.
4. V-belt drive idlers should be used on the inside of the belt. Allowance should be made for horsepower loss due to the reduced arc of contact.
5. Where necessary to use V-belt drive idlers on the outside of the belt, the reverse bending will reduce belt life.
6. Flat face pulley idlers can be used on either inside or outside of the belt.
7. Sprocket idlers should be used on the outside of chain drives, and with at least three teeth engaged in the chain.
8. Idlers used on the inside of a drive should be located approximately 1/3 of the center distance from the large sheave, pulley or sprocket.
9. Idlers used on the outside of a drive should be located approximately 1/3 of the center distance from the small sheave, pulley or sprocket.

For quick, accurate Phase Adjustment of Chain Drives, Gear Drives, Cams, etc.



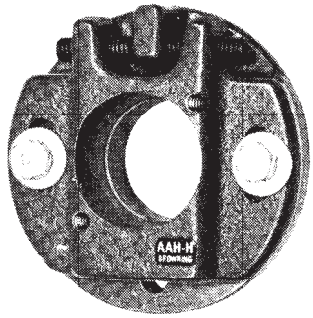


Table No. 1

Specifications

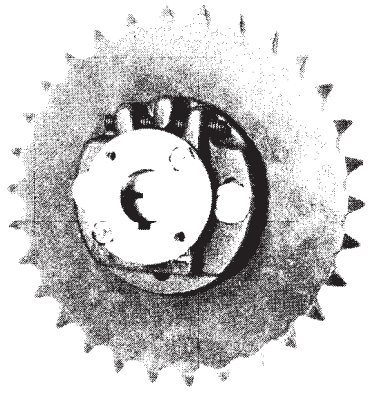
Hub No.	Dimensions												Wt. Lbs.
	O.D.	O.L.	A	B	B.C.	C	D	E	F	G	L	S	
AAH-G	2 7/8	2 1/8	1.250	2 7/16	2 1/8	7/8	1/4 - 20 NC	3/16	5/16	1 1/2	1	3/16	1.3
AAH-H	3 3/4	2 11/32	2.125	3 5/16	2 7/8	27/32	3/8 - 16 NC	3/16	1/2	1 23/32	1 1/4	3/16	2.1
AAH-Q	6 1/4	3 9/32	3.500	5 5/8	4 3/8	1/2	1/2 - 13 NC	1/4	7/16	2 1/4	2 1/2	9/32	9.9

Hub No.	Bushing No.	Bore Range	Minimum Number of Teeth on Roller Chain Sprockets and Gears										
			Chain Size — Type A Sprockets						Pitch — Change Gears				
			35	41	40	50	60	80	20	16	12	10	8
AAH - G	G	3/8 — 1	24	18	19	16	—	—	52	42	—	—	—
AAH - H	H	3/8 — 1 1/2	32	24	24	20	19	—	70	56	43	—	—
AAH - Q	Q1	3/4 — 2 11/16	—	—	—	32	27	23	—	—	71	59	48

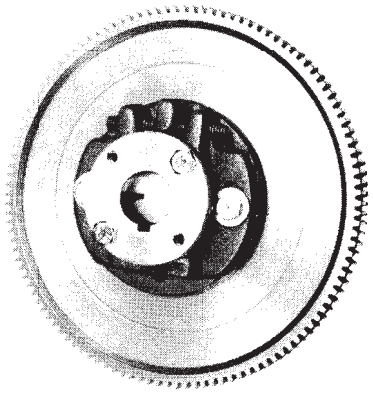
When a particular phase relationship is required between two parts of a machine, the Angle Adjusting Hub provides quick, accurate and positive phase adjustment. Without the Angle Adjusting Hub, phase relationship of parts requires extremely accurate machining of components as one tooth of a sprocket or gear is usually too coarse an adjustment.

The desired component is simply bolted to the Angle Adjusting Hub and by use of the two adjusting screws, infinite adjustment can be made throughout the 24° range of the Hub. Once adjusted the Hub cannot slip out of adjustment because, when both are tightened, the adjusting screws act against each other like jam nuts.

Angle Adjusting Hubs are machined for Browning Split Taper® Bushings so that the complete bore range of the bushings shown is available in 1/16" increments from STOCK.



1. **Eliminate extended deliveries on "Key-wayed on Centerline" items.**
2. **Compensate for Chain and Tooth wear in alignment applications.**
3. **Ideal for timing or synchronizing applications.**
4. **Bore Range of 3/8" — 2 11/16", .978 through 1 3/8 Spline and 14 mm through 60 mm bore available OFF THE SHELF.**
5. **Adjust quickly and easily.**

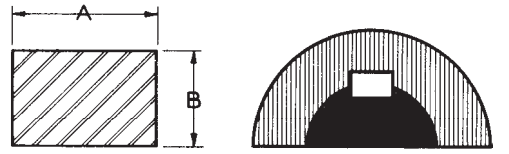


Browning Standard Keyseats

Table No. 1

Old Standard Keyseats		New Standard Keyseats	
Bore Range	Keyseat	Bore Range	Keyseat
1/2" — 9/16"	1/8" x 1/16"	1/2" — 9/16"	1/8" x 1/16"
5/8 — 7/8	3/16 x 3/32	5/8 — 7/8	3/16 x 3/32
15/16 — 1 5/16	1/4 x 1/8	15/16 — 1 1/4	1/4 x 1/8
1 3/8 — 1 13/16	3/8 x 3/16	1 5/16 — 1 3/8	5/16 x 5/32
1 7/8 — 2 1/4	1/2 x 1/4	1 7/16 — 1 3/4	3/8 x 3/16
2 5/16 — 2 13/16	5/8 x 5/16	1 13/16 — 2 1/4	1/2 x 1/4
2 7/8 — 3 13/16	3/4 x 3/8	2 5/16 — 2 3/4	5/8 x 5/16
3 7/8 — 4 11/16	1 x 1/2	2 13/16 — 3 1/4	3/4 x 3/8
4 3/4 — 5 11/16	1 1/4 x 5/8	3 5/16 — 3 3/4	7/8 x 7/16
5 3/4 — 6 15/16	1 1/2 x 3/4	3 13/16 — 4 1/2	1 x 1/2
7 — 7 15/16	1 3/4 x 7/8	4 9/16 — 5 1/2	1 1/4 x 5/8
		5 9/16 — 6 1/2	1 1/2 x 3/4
		6 9/16 — 7 1/2	1 3/4 x 5/8
		7 9/16 — 8	2 x 11/16

Square



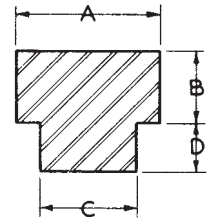
Rectangular

Square and Rectangular Keys

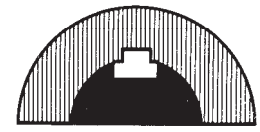
Table No. 2

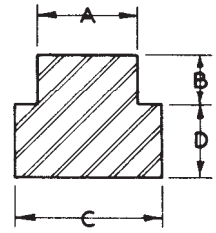
Single Keys		24" Lengths		Dimensions	
Part No.	*Max. Length	Part No.	Weight Lbs.	A	B
K-24	3"	S-24	.13	1/8"	1/8"
K-25	3	S-25	.25	3/16	3/16
K-26	5	R-26	.31	1/4	3/16
K-27	5	S-27	.44	1/4	1/4
K-99	5	S-99	.63	5/16	5/16
K-28	5	R-28	.75	3/8	5/16
K-29	5	S-29	.88	3/8	3/8
K-41	7	S-41	1.0	7/16	7/16
K-30	7	R-30	1.4	1/2	7/16
K-31	7	S-31	1.5	1/2	1/2
K-39	7	S-39	2.0	9/16	9/16
K-37	7	S-37	2.6	5/8	5/8
K-38	9	S-38	3.0	11/16	11/16
K-32	12	R-32	3.0	3/4	1/2
K-33	12	R-33	3.1	3/4	5/8
K-34	12	S-34	3.6	3/4	3/4
K-40	12	S-40	5.1	7/8	7/8
K-35	12	R-35	4.9	1	3/4
K-36	12	S-36	6.5	1	1

***Single keys will be cut to desired length up to Maximum Length shown. When longer Keys are specified we will furnish 24" lengths.**



Type 1





Type 2

Offset

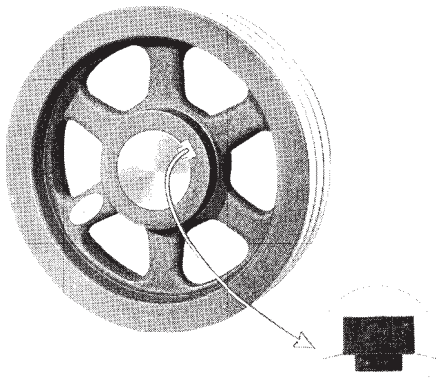
Offset Keys

Table No. 3

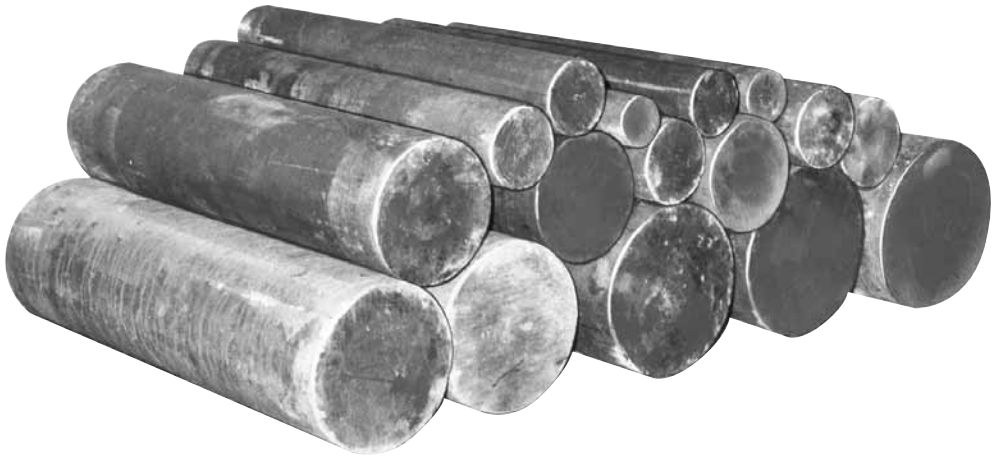
Single Keys		24" Lengths		Type	Dimensions			
Part No.	*Max. Length	Part No.	Weight Lbs.		A	B	C	D
K-1	3"	O-1	.13	1	3/16"	3/32"	1/8"	1/16"
K-2	3	O-2	.25	2	3/16	3/32	1/4	3/32
K-3	3	O-3	.31	2	3/16	3/32	1/4	1/8
K-4	5	O-4	.44	2	1/4	1/8	5/16	1/8
K-5	5	O-5	.50	2	1/4	1/8	3/8	1/8
K-6	5	O-6	.63	2	1/4	1/8	3/8	3/16
K-7	5	O-7	.69	1	3/8	3/16	5/16	1/8
K-51	5	O-51	.75	1	3/8	3/16	5/16	5/32
K-8	5	O-8	.88	2	3/8	3/16	7/16	5/32
K-9	5	O-9	.81	2	3/8	3/16	1/2	3/16
K-10	5	O-10	1.3	2	3/8	3/16	1/2	1/4
K-11	7	O-11	1.3	1	1/2	1/4	7/16	5/32
K-12	7	O-12	1.5	2	1/2	1/4	9/16	3/16
K-13	7	O-13	1.5	2	1/2	1/4	5/8	3/16
K-14	7	O-14	2.0	2	1/2	1/4	5/8	5/16
K-15	7	O-15	2.0	2	1/2	1/4	11/16	1/4
K-100	9	O-100	1.8	1	5/8	5/16	3/8	3/16
K-16	9	O-16	2.4	2	5/8	5/16	11/16	1/4
K-101	12	O-101	2.6	1	3/4	3/8	1/2	1/4
K-17	12	O-17	2.6	1	3/4	3/8	5/8	3/16
K-18	12	O-18	3.2	1	3/4	3/8	5/8	5/16
K-19	12	O-19	3.0	1	3/4	3/8	11/16	1/4
K-20	12	O-20	3.4	2	3/4	3/8	13/16	9/32
K-21	12	O-21	4.4	2	3/4	3/8	7/8	7/16
K-22	12	O-22	3.8	2	3/4	3/8	15/16	5/16
K-23	12	O-23	5.8	2	3/4	3/8	1	1/2
K-410	12	O-410	5.8	1	1	1/2	7/8	7/16

***Single keys will be cut to desired length up to Maximum Length shown. When longer Keys are specified we will furnish 24" lengths.**

For use with anything which keys to the shaft:
Sheaves
Pulleys
Couplings
Sprockets
Gears



J



Tensile Strength	—	40,000 min. p.s.i.
Compressive Strength	—	150,000 min. p.s.i.
Transverse Strength Average pounds load on 1.2 bar 18" span	—	2,600
Deflection — inches	—	.25 — .34
Brinell Hardness	—	207 — 269
Micro-structure	—	Essentially pearlitic
Heat Treat Response	—	Can be oil quench hardened from 1575°F to attain Rockwell C-50 min. surface hardness.
Machinability	—	Very Good
Application Specification	—	ASTM A-48-64 Class 40

Part No.	Diameter	Length	Weights Lbs.	Part No.	Diameter	Length	Weights Lbs.
CI 2524	2 1/2"	24"	32	CI 6512	6 1/2"	12"	120
CI 3024	3	24	48	CI 7012	7	12	132
CI 3524	3 1/2	24	64	CI 7512	7 1/2	12	146
CI 4024	4	24	85	CI 8012	8	12	159
CI 4524	4 1/2	24	107	CI 8512	8 1/2	12	183
CI 5012	5	12	61	CI 9012	9	12	194
CI 5512	5 1/2	12	81	CI 10012	10	12	275
CI 6012	6	12	91				

⚠ WARNING

- Read and follow all instructions carefully.
- Disconnect and lock-out power before installation and maintenance. Working on or near energized equipment can result in severe injury or death.
- Do not operate equipment without guards in place. Exposed equipment can result in severe injury or death.

⚠ CAUTION

- Periodic inspections should be performed. Failure to perform proper maintenance can result in premature product failure and personal injury.

TROUBLESHOOTING GUIDE FOR BROWNING® GEARS

WHAT HAPPENED	PROBABLE CAUSE	WHAT TO DO
Excessive gear wear	Insufficient lubrication.	Provide adequate lubrication. Refer to the "Gear Engineering" section of the BROWNING catalog for correct "type" lubrication.
	Gears not hardened.	Check drive HP requirement. Replace gear set with hardened gears of the same size. Replace gear set with gears having a greater face width. Replace drive with helical gears.
	Drive underdesigned for application.	Check drive HP requirement. Redesign drive and replace with one of sufficient capacity.
	Gear drive subjected to abrasive environment.	Provide an adequate cover for the drive. Replace drive with hardened gears.
Excessive drive noise.	Gear set improperly adjusted for correct backlash.	Check Drive and adjust for correct backlash.
	Inadequate lubrication.	Provide correct lubrication. Refer to the "Gear Engineering" section of the BROWNING catalog for correct "type" lubrication.
	Misalingment.	Realign drive
	Worn Gears.	Check drive for wear. Replace gear set.
	Drive speed too high	Check gear pitch line velocity. Refer to the "Gear Engineering" section of the BROWNING catalog for specification. Replace one gear of the drive with a non-metallic gear. Replace drive with helical gear.
Gear breakage	Overload or shock loads.	Eliminate overload or shock load conditions. Replace drive with wider gears or 20 degree pressure angle gears.
	Foreign material in drive	Provide an adequate cover for the drive.
Gear tooth deformation (plastic flow)	Drive overloaded.	Remove overload condition. Replace gear set with hardened gears. Replace gear set with wider gears.

TROUBLESHOOTING GUIDE FOR BROWNING® AND MORSE® ROLLER CHAIN DRIVES

WHAT HAPPENED	PROBABLE CAUSE	WHAT TO DO
Chain climbs sprocket	Chain does not properly fit on sprocket.	Check for sprocket oversize bottom diameters and replace if necessary.
	Chain badly worn.	Replace chain
	Sprockets badly worn.	Replace chain and sprocket (on some drives, sprockets can be reversed.)
	Insufficient chain wrap	Redesign drive to get more teeth in contact with chain. Design a BROWNING Drive Tightener into the drive to accomplish additional chain wrap.
	Excessive chain slack.	Take up for proper slack or adjust center distance.
	Material build-up in sprocket tooth pockets.	Clean the sprockets. Provide a cover to protect drive from foreign material. Sprockets with “mud relief” may be helpful.
	Sprocket out of pitch.	Replace sprocket.
Excessive drive noise	Sprocket misalignment.	Check alignment and correct.
	Inadequate lubrication.	Provide the correct “Type” lubrication as dictated by the drive specifications. Where correct lubrication cannot be applied, MORSE LL chain may provide a satisfactory solution.
	Chain or sprockets badly worn.	Replace chain and/or sprockets. Driver sprocket should be hardened.
	Chain pitch size too large for drive.	Redesign drive and replace.
	Moving parts rubbing stationary parts.	Tighten and align supports, casing and chain. Remove dirt or other interfering matter.
Excessive wear on link plate and/or sides of sprocket teeth.	Drive misalignment.	Realign drive.
Chain breakage	Chain speed too high for pitch and sprocket size.	Redesign a smaller pitch drive.
	Shock loads.	Remove condition causing shock load.
	Material build-up in sprocket tooth pockets.	Clean the sprockets. Provide a cover to protect drive from foreign material.
	Inadequate lubrication.	Provide the correct “Type” lubrication as dictated by the drive specifications. Where correct lubrication cannot be applied, MORSE LL chain may provide a satisfactory solution.
	Chain or sprocket corrosion.	Protect drive from corrosion causing conditions.
	Badly worn sprockets.	Check sprockets for wear and replace.
	Misalignment.	Correct alignment.
Chain clings to sprockets	Badly worn sprockets.	Check sprockets for wear and replace.
Chain whip	Excessive chain slack.	Take up for proper slack or adjust centers.
	Heavy pulsating loads	Reduce loads or redesign to a heavier drive.
		Install an idler take-up system.

TROUBLESHOOTING GUIDE FOR BROWNING® AND MORSE® ROLLER CHAIN DRIVES

WHAT HAPPENED	PROBABLE CAUSE	WHAT TO DO
Chain gets stiff	Long center distance. Inadequate lubrication.	Provide the correct "Type" lubrication as dictated by the drive specifications. Where correct lubrication cannot be applied, MORSE LL chain may provide a satisfactory solution.
	Corrosion.	Protect drive form corrosion causing conditions or replace chain with MORSE stainless steel chain.
	Material build-up in chain joint.	Provide a cover to protect drive from foreign material or replace chain with MORSE Multi-flex chain.
Broken sprocket teeth.	Cast iron sprockets.	Replace with BROWNING stock steel sprockets (available hardened in smaller sizes).
	Excessive shock loads.	Reduce shock loads or redesign and replace with a larger drive.
	Misalignment.	Correct alignment.
	Sprocket hardened excessively.	Replace sprocket.
Non-symmetrical wear on sprockets or rollers	Shafts not parallel or not in same plane.	Realign shafts.
Wear on inside of roller plates or side of sprocket teeth	Sprockets offset or not parallel.	Realign drive.
Wear on tips of sprocket teeth	Chain elongated excessively.	Replace chain.
Excessive vibration	Broken or missing roller.	Repair or replace chain.
Premature chain elongation	Inadequate lubrication.	Provide proper lubrication
	Drive overload	Redesign drive.

TROUBLESHOOTING GUIDE FOR BROWNING® V-BELT DRIVES

WHAT HAPPENED	PROBABLE CAUSE	WHAT TO DO
Belt stretch beyond takeup	Worn sheaves.	Replace sheaves
	Underdesigned drive.	Redesign and replace drive.
	Takeup slipped.	Reposition takeup.
	Drive excessively tensioned.	Properly tension drive.
	Damaged cord section during installation.	Replace belt and properly install.
Excessive vibration	Damaged belt cord section.	Replace belt
	Loose belt.	Tension belt
	Belts improperly tensioned	Tension drive with slack of each belt on the same side of the drive.
Belt too long at installation	Insufficient takeup	Use shorter belts.
	Drive improperly set up.	Recheck driver and driven machine set up.
	Wrong size belt.	Use correct size belt.
Belt too short at installation	Insufficient takeup.	Use longer belt.
	Drive improperly set up.	Recheck driver and driven machine set up.
	Wrong size belt.	Use correct size belt.
Belts mismatched at installation	Belts matched by code number only.	Replace belts with BROWNING machine matched belts.
	Old belts and new belts used together on same drive.	Replace with new belts.
	Different brand name belts used together on same drive.	Replace with a set of BROWNING machine matched belts.
	Driver and driven shafts not parallel.	Realign drive.
	Worn sheaves.	Replace sheaves.
Belts mismatched after service.	Belts improperly tensioned, causing more stretch of some belts than others.	Replace belts and tension drive with slack of each belt on the same side of the drive.
	Old belts and new belts used together on same drive.	Replace with new belts.
	Different brand name belts used on same drive	Replace with a set of BROWNING machine matched belts.
	Driver and driven shafts shifted from parallel.	Realign drive.
	Belt cord section damaged during installation.	Replace belts and install properly.

TROUBLESHOOTING GUIDE FOR BROWNING® V-BELT DRIVES

WHAT HAPPENED	PROBABLE CAUSE	WHAT TO DO
Short belt life	Spin burns from belt slipping on driver sheave under stalled load conditions or when starting.	Tension belt.
	Gouges or extreme cover wear caused by belt rubbing on drive guards or other objects.	Eliminate obstruction or realign drive to provide clearance.
	High ambient temperature.	Use Gripnotch belts. Provide ventilation. Shield belt.
	Grease or oil on belt.	Check for leaky bearings. Clean belt and sheaves.
	Underdesigned drive.	Redesign drive.
	Worn Sheaves.	Replace sheaves.
Belts turn over in groove	Damaged cord section in belts. Frayed or gouged belts.	Replace belts.
	Excessive vibration.	Tension belts. Replace belts if damaged. Use banded belts.
	Flat idler pulley misaligned.	Realign idler.
	Worn Sheaves.	Replace sheaves.
	Sheave misalignment.	Realign drive.
Belt squeal	High starting load. Belt not tensioned properly. Excessive overload.	Tension drive or redesign and replace drive.
	Insufficient arc of contact.	Increase center distance or use Gripnotch belts.
Belt breakage	Foreign material in drive.	Provide drive guard.
	Belt damaged during installation.	Follow BROWNING V-belt Drive installation instructions.
	Shock or extreme overload.	Eliminate overload cause or redesign drive.

TROUBLESHOOTING GUIDE FOR BROWNING® MVP® VARIABLE SPEED BELT DRIVES

WHAT HAPPENED	PROBABLE CAUSE	WHAT TO DO
Short belt life	Spin burns from belt slipping on driver sheave under stalled load conditions or when starting.	Tension belt.
	Gouges or extreme cover wear caused by belt rubbing on drive guards or other objects.	Eliminate obstruction or realign drive to provide clearance.
	High ambient temperature.	Provide ventilation. Shield belt. Use Gripnotch belts.
	Grease or oil on belt.	Check for leaky bearings. Clean belt and sheaves.
	Worn sheaves.	Replace sheaves.
	Misalignment	Use companion sheave and align with center grooves.
Belts turn over in groove	Damaged cord section in belts. Frayed or gouged belts.	Replace belts.
	Excessive vibration.	Tension belts. Replace belts if damaged.
	Flat idler pulley misaligned.	Realign idler.
	Worn Sheaves.	Replace sheaves.
	Sheave misalignment.	Realign drive.
Belt squeal	High starting load. Belt not tensioned properly. Excessive overload.	Tension drive or redesign and replace drive.
	Insufficient arc of contract.	Increase center distance or use Gripnotch belts.
Belt breakage	Foreign material in drive.	Provide drive guard.
	Belt damaged during installation.	Follow BROWNING V-belt Drive Installation instructions.
	Shock or extreme overload.	Eliminate overload cause or redesign drive.
Belt stretch beyond takeup	Worn sheaves.	Replace sheaves.
	Underdesigned drive.	Redesign and replace drive.
	Takeup slipped.	Reposition takeup.
	Drive excessively tensioned.	Properly tension drive.
	Damaged cord section during installation.	Replace belt and properly install.
Excessive vibration	Damaged belt cord section	Replace belt.
	Loose belt.	Tension belt.
Belt too long at installation	Insufficient takeup.	Use shorter belt.
	Drive improperly set up.	Recheck driver and driven machine set up.
	Wrong belt size.	Use correct size belt.
Belt too short at installation	Insufficient takeup.	Use longer belt.
	Drive improperly set up.	Recheck driver and driven machine set up.
	Wrong size belt.	Use correct size belt.

TROUBLESHOOTING GUIDE FOR BROWNING® MVP® VARIABLE SPEED BELT DRIVES

WHAT HAPPENED	PROBABLE CAUSE	WHAT TO DO
Belts mismatched at installation	Belts matched by code number only.	Replace belts with BROWNING machine matched belts.
	Old belts and new belts used together on same drive.	Replace with new belts. Never mix old and new belts on the same drive.
	Different brand name belts used together on same drive.	Replace with a set of BROWNING machine matched belts.
	Driver and driven shafts not parallel.	Realign drive.
	Worn sheaves.	Replace sheaves.
Belts mismatched after service.	Belts improperly tensioned, causing more stretch of some belts than others.	Replace belts and tension drive with slack of each belt on the same side of the drive.
	Old belts and new belts used together on same drive.	Replace with new belts. Never mix old and new belts on the same drive.
	Different brand name belts used on same drive.	Replace with a set of BROWNING machine matched belts.
	Driver and driven shafts shifted from parallel.	Realign drive.
	Belt cord section damaged during installation.	Replace belts and install properly.
Sheave fails to adjust.	Fretting corrosion (Drive allowed to operate at one speed over a period of time.)	MVP sheave must be disassembled, cleaned and lubricated, then reassembled.
Sheave flange breaks	Misalignment (possible if a companion sheave is not used where required)	Replace sheave and align sheave by the center grooves.

TROUBLESHOOTING GUIDE FOR BROWNING® POLY-V® DRIVES

WHAT HAPPENED	PROBABLE CAUSE	WHAT TO DO
Short belt life	Spin burns from belt slipping on driver sheave under stalled load conditions or when starting.	Tension belt.
	Gouges or extreme cover wear caused by belt rubbing on drive guards or other objects.	Eliminate obstruction or realign drive to provide clearance.
	High ambient temperature.	Provide ventilation. Shield belt.
	Grease or oil on belt.	Check for leaky bearings. Clean belt and sheaves.
	Worn sheaves.	Replace sheaves.
Belt squeal	High starting load. Belt not tensioned properly. Excessive overload.	Tension drive or redesign and replace drive.
	Insufficient arc of contact.	Increase center distance.
Belt breakage	Foreign material in drive.	Provide drive guard.
	Belt damaged during installation.	Follow BROWNING Poly-V Drive Installation instructions.
	Shock or extreme overload.	Eliminate overload cause or redesign drive.
Belt stretch beyond takeup	Worn sheaves.	Replace sheaves.
	Underdesigned drive.	Redesign and replace drive.
	Takeup slipped.	Reposition takeup
	Drive excessively tensioned.	Properly tension drive.
	Damaged cord section during installation.	Replace belt and properly install.
Excessive vibration	Damaged belt cord section.	Replace belt
	Loose belt.	Tension belt.
Belt too long at installation	Insufficient takeup.	Use shorter belt.
	Drive improperly set up.	Recheck driver and driven machine set up.
	Wrong size belt.	Use correct size belt.
Belt too short at installation	Insufficient takeup.	Use longer belt.
	Drive improperly set up.	Recheck driver and driven machine set up.
	Wrong size belt.	Use correct size belt.
Belt jumps groove	Improper alignment.	Check alignment and correct.
	Insufficient tension.	Tension drive per instructions in the BROWNING catalog.
	Excessive whip and vibration.	Redesign drive with a shorter center distance. Consult BROWNING.
Belt whip and vibration	Resonant center distance.	Redesign drive with a shorter center distance.
	Pulsating load.	Provide greater belt tension. Install flywheel on driven shaft.

* Poly-V is believed to be the trademark and/or trade name of Veyance Technologies, Inc., and is not owned or controlled by Emerson Power Transmission.

TROUBLESHOOTING GUIDE FOR SYNCHRONOUS BELT DRIVES

WHAT HAPPENED	PROBABLE CAUSE	WHAT TO DO
Belt tooth shear	Less than 6 teeth in mesh (TIM)	Increase TIM or use next smaller pitch.
Belt tensile break	Excessive load.	Increase load-carrying capacity of drive.
	Sub-minimum pulley diameter.	Increase pulley diameters.
Excessive drive noise	Misalignment.	Correct alignment.
	Excessive installation tension.	Reduce tension.
	Excessive load.	Increase drive load-carrying capacity.
	Sub-minimum pulley diameter.	Increase pulley diameter.
	Excessive speed.	Reduce speed.
Unmounting of flange	Misalignment.	Correct alignment.
Apparent belt stretch	Reduction of center distance of non-rigid mounting.	Retension drive and/ or reinforce mounting.
Cracks or premature wear at belt tooth root	Improper pulley groove top radius.	Regroove or install new pulleys.
Excessive belt edge wear	Misalignment or non-rigid centers.	Check alignment and/or reinforce mounting.
	Bent flange.	Straighten flange.
Jacket wear on pressure-face side of belt tooth	Excessive overload and/ or excessive belt tightness.	Reduce installation tension and/ or increase drive load-carrying capacity.
Excessive jacket wear between belt teeth (exposed tension members)	Excessive installation tension.	Reduce installation tension.
Cracks in neoprene backing	Exposure to excessive low temperature (below -30 degrees F).	Eliminate low temperature condition or consult Technical Services for proper belt construction.
Softening of neoprene backing	Exposure to excessive heat (+200 degrees F) and/ or oil.	Eliminate high temperature and oil condition or consult Technical Services for proper belt construction.
Excessive pulley tooth wear (on pressure-face and/ or OD)	Excessive overload and/ or excessive belt tightness.	Reduce installation tension and/ or increase drive load-carrying capacity.
	Insufficient hardness of pulley material.	Surface-harden pulley or use harder material.

TROUBLESHOOTING GUIDE FOR SEALMASTER® AND BROWNING® MOUNTED BEARINGS

WHAT HAPPENED	PROBABLE CAUSE	WHAT TO DO
Noise (high pitch)	Misalignment.	Correct alignment. Replace unit with a SEALMASTER or BROWNING self-aligning bearing.
Noise (low pitch)	Bearing brinelled.	Replace bearing.
Noise (intermittent rumbles and rattles)	Too much shaft to bearing bore clearance.	Use proper size shaft. Replace bearing with correct size unit.
	Dirt in bearing.	Purge bearing with grease. If necessary, replace unit.
	Loose machine parts.	Tighten machine parts.
Bearing gets excessively hot	First start after relubrication (grease redistribution).	Allow machine parts to cool and restart.
	Over lubrication	Use less lubricant.
	No lubricant.	Add lubricant.
	Excessive load.	Check bearing loads. Replace with a larger unit. If thrust load is caused by shaft expansion, an expansion type bearing should be used.
	Bearing located near a heat source.	Shield the bearing or move it away from the heat source.
	Bearing over misaligned.	Correct alignment.
	Excessive speed.	Check bearing ratings and speed limitations. Replace with a unit that is capable of high speed operation.
Excessive vibration	Unbalanced machine parts.	Balance machine parts.
	Loose machine parts.	Check and tighten machine parts.
	Improper shaft to bearing bore fit.	Check shaft size. Replace unit with correct bearing.
	Bent shaft.	Straighten or replace shaft.
	Bearing brinelled.	Replace bearing.
Shaft binds when rotated	Bent shaft.	Straighten or replace shaft.
	Misalignment.	Correct alignment. Replace unit with a SEALMASTER or BROWNING self-aligning bearing.
	Dirt in bearing.	Purge bearing with grease. If necessary, replace unit.
	Rotate interference.	Check clearance of rotating parts.
Wear of shaft seat	Too much shaft to bearing bore clearance.	Correct shaft fit. Use new shaft.
	Poor shaft finish.	Use new shaft. Smooth turn or grind shaft to next smaller standard bore and install new bearing.

TROUBLESHOOTING GUIDE FOR BROWNING® CONCENTRIC REDUCERS (HELICAL)

WHAT HAPPENED	PROBABLE CAUSE	WHAT TO DO
Overheating (Over 200 degrees F oil temperature)	Load exceeds reducer's mechanical and/ or thermal capacity.	Decrease load. Check catalog rating of the drive. Redesign drive and replace unit with one of sufficient capacity.
	Insufficient oil level.	Check oil level. Adjust oil level as indicated in the PowerLine installation and maintenance instructions.
	Too much oil. Excessive heat generated by the fluid friction of the churning action of the oil.	Check oil level. Adjust oil level as indicated in the Concentric installation and maintenance instructions.
	Wrong grade of oil.	Flush reducer and refill as indicated in the PowerLine installation and maintenance instructions.
	Excessive input speed.	Consult BROWNING relating all particulars including mounting position. May be able to lower oil level or change to lower ratio reducer.
	Reducer located near a heat source.	Shield the reducer from the heat or move reducer away from it.
Excessive noise and vibration	Worn bearings.	Check bearings for wear and replace worn bearings. Replace all seals. Flush reducer and refill with oil. Check thrust loads and overhung loads. If excessive, correct these conditions or replace with a larger unit.
	Drive underdesigned causing premature excessive gear wear.	Redesign drive and replace with a drive of sufficient capacity.
	Insufficient oil level.	Check oil level. Adjust oil level as indicated in the Concentric installation and maintenance instructions.
	Improper connection with other machinery.	Inspect drive for loose bolts, nuts and screws and tighten where needed. Check coupling alignment.
	Excessive input speed.	Consult BROWNING Technical Services if suspected.
	Bent shaft.	Check with a dial indicator and replace if bent.
Excessive shaft end play	Worn bearings.	Check bearings for wear and replace worn bearings. Replace all seals. Flush reducer and refill with oil.
	Loose end cover bolts.	Check and cover capscrews and tighten where necessary.
Excessive backlash	Worn gears.	Replace worn gears. Always replace mating gear.
	Worn keys.	Replace worn keys. Inspect keyways for wear. An oversize key may be required.
	Loose bearings.	Check bearings for wear and replace worn bearings. Always replace seals. Check end covers for loose bolts.
	Excessive backlash in driven machinery.	Check driven machinery.

TROUBLESHOOTING GUIDE FOR BROWNING CONCENTRIC REDUCERS (HELICAL)

WHAT HAPPENED	PROBABLE CAUSE	WHAT TO DO
Oil leakage	Oil Level too high.	Check oil level. Adjust oil level as indicated in the Concentric installation and maintenance instructions.
	Clogged breather plug.	Remove and clean breather plug.
	Seal damaged.	Replace seal.
	Loose bolts.	Tighten bolts. A thread locking agent may help prevent further problems.
	Breather plug in wrong hole.	Relocate breather plug to proper hole.
Reducer shafts will not turn when drive is actuated.	Backstop installed for reverse shaft rotation.	Remove backstop, turn end for end and reinstall.
	Driven machinery binding or locked up.	Check for free operation of driven machinery.
Backstops wear out prematurely.	Reducer mounted so that backstop is not flooded with oil.	Change reducer mounting so that backstop is flooded with oil.
	Backstop overloaded.	Reduce load or replace with a larger drive.
	Oil level too low.	Check oil level and refill as necessary.
Premature upper bearing failure (reducer mounted in vertical position).	Standard reducer mounted in vertical position.	Replace unit with a vertical unit.
	Failure to lubricate upper bearing.	Lubricate bearings.
	Failure to install upper bearing grease fittings.	Make sure fittings are installed in upper cover.
Premature input bearing failure.	Excessive overhung load.	Check overhung load capacity. Check to insure that sheave is mounted as close to housing as possible. It may be necessary to install a larger sheave on the input shaft. Check to insure that belts are not over tensioned.

TROUBLESHOOTING GUIDE FOR BROWNING® HELICAL SHAFT MOUNT REDUCERS

WHAT HAPPENED	PROBABLE CAUSE	WHAT TO DO
Overheating (Over 200 degrees F oil temperature)	Load exceeds reducer's mechanical and/or thermal capacity.	Decrease load. Check catalog rating of the drive. Redesign drive and replace unit with one of sufficient capacity or add a fan to the unit.
	Insufficient oil level.	Check oil level. Adjust oil level as indicated by the Shaft Mount Reducers "Installation and Maintenance Manual" or as specified on the reducer nameplate.
	Too much oil. Excessive heat generated by the fluid friction of the churning action of the oil.	Check oil level. Adjust oil level as indicated by the Shaft Mount Reducers "Installation and Maintenance Manual" or as specified on the reducer nameplate.
	Wrong grade of oil.	Flush reducer and refill as indicated by the Shaft Mount Reducer "Installation and Maintenance Manual" or as specified on the reducer name-plate.
	Excessive input speed.	Consult BROWNING relating all particulars including mounting position. May be able to lower oil level or change to lower ratio reducer.
	Reducer located near a heat source.	Shield the reducer from the heat source or move reducer away from it.
Excessive noise and vibration	Improper installation of torque arm.	Check mounting instructions and correct. Check mounting bolts and tighten.
	Worn bearings.	Check bearings for wear and replace worn bearings. Replace all seals. Flush reducer and refill with oil. Check thrust loads and overhung loads. If excessive, correct these conditions or replace with a larger unit.
	Drive underdesigned causing premature excessive gear wear.	Redesign drive and replace with a drive of sufficient capacity.
	Insufficient oil level.	Check oil level. Adjust oil level as indicated by the Shaft Mount Reducers "Installation and Maintenance Manual" or as specified on the reducer nameplate.
	Improper connection with other machinery	Inspect drive for loose bolts, nuts, and screws and tighten where needed. For the finished bore type, check output shaft bushings and insure that the keyed bushing has been in-stalled toward the driven machine. For the Torq Taper bushed bore reducer, check bushing capscrews for tightness to insure that the bushing is properly seated on the shaft and in the reducer.
	Bent driven shaft.	Inspect runout of driven shaft. Straighten or replace shaft.
	Driven shaft undersize.	Turn driven shaft down to next standard bush-ing size and use bushing.
	Driven shaft not extending far enough into the Torq Taper bushing or the hollow output shaft of finished bore reducers.	Replace driven shaft with a shaft of sufficient length or, if possible, move reducer farther onto shaft.
Excessive shaft end play	Worn bearings.	Check bearings for wear and replace worn bearings. Replace all seals. Flush reducer and refill with oil.
	Loose end cover bolts.	Check and cover capscrews and tighten where necessary.

TROUBLESHOOTING GUIDE FOR BROWNING® HELICAL SHAFT MOUNT REDUCERS

WHAT HAPPENED	PROBABLE CAUSE	WHAT TO DO
Excessive backlash	Worn gears.	Replace worn gears. Always replace both gears of a mating pair.
	Worn keys.	Replace worn keys. Inspect keyways for wear. An oversize key may be required.
	Loose bearings.	Check bearings for wear and replace worn bearings. Always replace seals. Check end covers for loose bolts.
	Excessive backlash in driven machinery.	Check driven machinery.
Oil Leakage	Oil level too high causing oil leakage out of breather plug.	Check oil level. Adjust oil level as indicated by the Shaft Mount Reducers “Installation and Maintenance Manual” or as specified on the reducer nameplate.
	Clogged breather plug.	Remove and clean breather plug.
	Seal damaged.	Replace seal.
	Loose bolts.	Tighten bolts.
	Breather plug in wrong hole.	Refer to Shaft Mount Reducers “Important Instructions” Sheet for proper location of breather plug.
	Vertical mounted reducer without vertical mount breather kit.	Install vertical mount breather kit.
Reducer shaft will not turn when drive is actuated.	Backstop installed for reverse shaft rotation.	Remove backstop, turn end for end and reinstall.
	Driven machinery binding or locked up.	Check for free operation of driven machinery and correct if necessary.
Backstops wear out prematurely.	Reducer mounted so that backstop is not flooded with oil.	Change reducer mounting so that backstop is flooded with oil.
	Backstop overloaded.	Reduce load or replace with a larger drive.
Premature input bearing failure.	Excessive overhung load.	Check minimum sheave diameter and replace with a larger sheave. Check to insure that sheave is mounted as close to housing as possible. Check to insure that belts are not over tensioned.
Premature output bearing failure.	Excessive overhung load.	Check minimum sprocket diameter and replace with a larger sprocket. Check to insure that sprocket is mounted as close to housing as possible. Check to insure that drive is not over tensioned.

TROUBLESHOOTING GUIDE FOR MORSE® WORM GEAR REDUCERS

WHAT HAPPENED	PROBABLE CAUSE	WHAT TO DO
Overheating (Over 200 degrees F oil temperature)	Reducer overloaded (Operating in excess of thermal HP rating)	Remove overload conditions. Compare thermal HP rating with actual load and replace with a unit of sufficient thermal capacity fans are available for some units.
	Insufficient oil level.	Adjust oil level to oil level plug or dipstick designation (if provided). Reducer capacity can be determined from nameplate or EPT Worm Gear Speed Reducers Instruction sheets.
	Too much oil. Excessive heat generated by the churning action of the high oil level.	Adjust oil level to oil level plug or dipstick designation (if provided). Reducer capacity can be determined from nameplate or EPT Worm Gear Speed Reducers Instruction sheets.
	Dirty or contaminated oil.	Flush and refill to proper level.
	Wrong grade of oil	Flush reducer and refill to proper level
	High surrounding ambient temperature.	Increase air circulation. Equip reducer with a fan. Replace reducer with a unit of higher thermal capacity.
	Excessive belt tension on the input shaft.	Adjust belts to proper tension. Check input bearing for possible damage.
Excessive noise and vibration	Improper installation.	Check Foundation bolts and tighten as required. Check C-face mounting bolts for tightness. Use lock washers on all bolts.
	Worn bearings.	Check bearings for wear and replace worn bearings. Replace all seals. Flush reducer and refill with oil. Check allowable output thrust loads and output overhung loads. If excessive, correct these conditions or replace with a larger unit.
	Drive underdesigned causing premature excessive gear wear.	Redesign drive and replace with a unit of sufficient capacity.
	Improper connection with other machinery.	Inspect input and output drives and insure that these drives have been properly engineered. Inspect drive for loose bolts, nuts, and screws and tighten where needed. Check shaft keys for proper fit. If coupling connected, check alignment.
Excessive input and/ or output shaft end play	Excessive input speed.	For speeds in excess of 3600 RPM, consult Engineering.
	Worn bearings.	Check bearings for wear and replace worn bearings. Replace all seals. Flush reducer and refill with oil.
	Loose end cover bolts.	Check end cover capscrews and tighten where necessary.
Excessive backlash	Worn gears.	Replace worn gears. A new worm gear may be mated with an old worm if the worm shows little evidence of wear. If the worm needs to be replaced the worm gear should also be replaced. Black or blue color or distortion of worm indicates no oil, low oil level, or excessive load. Bronze dust on worm gear indicates reducer ran without oil.
	Worn keys.	Replace worn keys. Inspect keyways for wear. An oversize key may be required. Distortion of key or keyway indicates excessive torque load.

TROUBLESHOOTING GUIDE FOR BROWNING® MORSE® WORM GEAR REDUCERS

WHAT HAPPENED	PROBABLE CAUSE	WHAT TO DO
Oil Leakage	Too much oil causing leakage at breather plug.	Adjust oil level to oil level plug or dipstick designation (if provided).
	Clogged breather causing leakage at seals or pipe plug.	Remove and clean breather plug.
	Seal damaged.	Replace seal. Under severe operating conditions, install two seals on each shaft.
	Loose bolts.	Check and tighten bolts where necessary. Use Permatex.
	Breather plug in wrong hole.	Breather plug location can be determined from EPT Worm Gear Speed Reducer “Instruction sheets”.
	Input vertical mounting, input shaft down.	Requires two seals on worm shaft.
Premature bearing failure.	Oil level too low.	Adjust oil level.
	Excessive overhung load.	Remove condition causing excessive overhung load.
Input or output shaft breakage.	Excessive overhung load.	Remove condition causing excessive overhung load.
	Improper positioning of overhung load.	Move overhung load closer to reducer case.
	Reducer overload (torque load and/ or overhung load).	Remove overload condition. Check keys and keyways. Distortion of either indicates excessive torque load.

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840L6 - 840L20 ..... D-11
840XH200-840XH400 ..... E-13
85V710SF - 85V5000M A-75
850H075 - 850H300 ..... E-12
865L6 - 865L20 ..... D-11
870J4 - 870J16 ..... D-11
88V1250J - 88V6300P A-80

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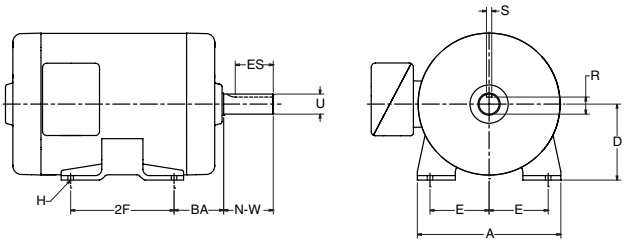
90XXHS200 - 90XXHS300 ..... E-16
90XXH200J, 90XXH300J E-18
90XXH400M, 90XXH500M E-18
900H075 - 900H300 ..... E-12
900M6 - 900M20 ..... D-11
900XXH200 - 900XXH500 ..... E-17
915L6 - 915L20 ..... D-11
96HQ100, 96HQ150 ..... E-9
920J4 - 920J16 ..... D-11
940M6 - 940M20 ..... D-11
96HR200, 96HR300 ..... E-10
96H100SF, 96H150SF E-11
96H200E, 96H300E E-12
96LH050 - 96LH100 ..... E-6
96LP050 - 96LP100 ..... E-6
96L050SD - 96L100SD E-7
96XHR200 - 96XHS400 ..... E-14
96XH200F E-15
96XH300J, 96XH400J E-15
975L6 - 975L20 ..... D-11
980J4 - 980J16 ..... D-11
980XH200 - 980XH400 ..... E-13
990L6 - 990L20 ..... D-11
990M6 - 990M20 ..... D-11

A GUIDE TO NEMA MOTOR FRAMES AND SHAFT DIMENSIONS

The motor dimensions and ratings shown in the table below are for "General Purpose Motors". They are shown as a guide only and are subject to change without notice. Before finalizing a drive system design, consult with the motor manufacturer to obtain current motor dimensions.



NEMA FRAME No.	DIMENSIONS (in.)								KEYSEAT			APPROX. MAX HP FOR TEFC MOTORS AT VARIOUS RPM			
	A Max	D	E	2F	BA	H	U	N-W	ES Min	S	R	3600	1800	1200	900
FRACTIONAL HORSEPOWER MOTORS															
48	-	3.00	2.12	2.75	2.50	0.34◆	0.500	1.50	-	FLAT	0.453	0.5	0.333	0.167	-
56	-	3.50	2.44	3.00	2.75	0.34◆	0.625	1.88	1.41	0.188	0.517	1	1	0.5	-
INTEGRAL HORSEPOWER MOTORS															
143T	7.0	3.50	2.75	4.00	2.25	0.34	0.875	2.25	1.41	0.188	0.771	1.5	1	.75	.5
145T	7.0	3.50	2.75	5.00	2.25	0.34	0.875	2.25	1.41	0.188	0.771	2	2	1	.75
182T	9.0	4.50	3.75	4.50	2.75	0.41	1.125	2.75	1.78	0.250	0.986	3	3	1.5	1
184T	9.0	4.50	3.75	5.50	2.75	0.41	1.125	2.75	1.78	0.250	0.986	5	5	2	1.5
213T	10.5	5.25	4.25	5.50	3.50	0.41	1.375	3.38	2.41	0.312	1.201	7.5	7.5	3	2
215T	10.5	5.25	4.25	7.00	3.50	0.41	1.375	3.38	2.41	0.312	1.201	10	10	5	3
254T	12.5	6.25	5.00	8.25	4.25	0.53	1.625	4.00	2.91	0.375	1.416	15	15	7.5	5
256T	12.5	6.25	5.00	10.00	4.25	0.53	1.625	4.00	2.91	0.375	1.416	20	20	10	7.5
284T	14.0	7.00	5.50	9.50	4.75	0.53	1.875	4.62	3.28	0.500	1.591	-	25	15	10
284TS*	14.0	7.00	5.50	9.50	4.75	0.53	1.625	3.25	1.91	0.375	1.416	25	-	-	-
286T	14.0	7.00	5.50	11.00	4.75	0.53	1.875	4.62	3.28	0.500	1.591	-	30	20	15
286TS*	14.0	7.00	5.50	11.00	4.75	0.53	1.625	3.25	1.91	0.375	1.416	30	-	-	-
324T	16.0	8.00	6.25	10.50	5.25	0.66	2.125	5.25	3.91	0.500	1.845	-	40	25	20
324TS*	16.0	8.00	6.25	10.50	5.25	0.66	1.875	3.75	2.03	0.500	1.591	40	-	-	-
326T	16.0	8.00	6.25	12.00	5.25	0.66	2.125	5.25	3.91	0.500	1.845	-	50	30	25
326TS*	16.0	8.00	6.25	12.00	5.25	0.66	1.875	3.75	2.03	0.500	1.591	50	-	-	-
364T	18.0	9.00	7.00	11.25	5.88	0.66	2.375	5.88	4.28	0.625	2.021	-	60	40	30
364TS*	18.0	9.00	7.00	11.25	5.88	0.66	1.875	3.75	2.03	0.500	1.591	60	60	-	-
365T	18.0	9.00	7.00	12.25	5.88	0.66	2.375	5.88	4.28	0.625	2.021	-	75	50	40
365TS*	18.0	9.00	7.00	12.25	5.88	0.66	1.875	3.75	2.03	0.500	1.591	75	75	-	-
404T	20.0	10.00	8.00	12.25	6.62	0.81	2.875	7.25	5.65	0.750	2.45	-	-	60	50
404TS*	20.0	10.00	8.00	12.25	6.62	0.81	2.125	4.25	2.78	0.500	1.845	-	-	-	-
405T	20.0	10.00	8.00	13.75	6.62	0.81	2.875	7.25	5.65	0.750	2.45	-	100	75	60
405TS*	20.0	10.00	8.00	13.75	6.62	0.81	2.125	4.25	2.78	0.500	1.845	100	100	-	-
444T	22.0	11.00	9.00	14.50	7.50	0.81	3.375	8.50	6.91	0.875	2.88	-	125	100	75
444TS*	22.0	11.00	9.00	14.50	7.50	0.81	2.375	4.75	3.03	0.625	2.021	125	125	-	-
445T	22.0	11.00	9.00	16.50	7.50	0.81	3.375	8.50	6.91	0.875	2.88	-	150	125	100
445TS*	22.0	11.00	9.00	16.50	7.50	0.81	2.375	4.75	3.03	0.625	2.021	150	150	-	-

"*" Standard short shaft for direct coupled connection.

"◆" Indicates slots rather than holes.

DECIMAL-MILLIMETER EQUIVALENTS

Fraction	Decimal	M.M.	Fraction	Decimal	M.M.
1/64	.015625	.397	33/64	.515625	13.097
1/32	.03125	.794	17/32	.53125	13.494
3/64	.046875	1.191	35/64	.546875	13.891
1/16	.0625	1.588	9/16	.5625	14.288
5/64	.078125	1.985	37/64	.578125	14.684
3/32	.09375	2.381	19/32	.59375	15.081
7/64	.109375	2.778	39/64	.609375	15.478
1/8	.125	3.175	5/8	.625	15.875
9/64	.140625	3.572	41/64	.640625	16.272
5/32	.15625	3.969	21/32	.65625	16.669
11/64	.171875	4.366	43/64	.671875	17.066
3/16	.1875	4.763	11/16	.6875	17.463
13/64	.203125	5.159	45/64	.703125	17.859
7/32	.21875	5.556	23/32	.71875	18.256
15/64	.234375	5.953	47/64	.734375	18.653
1/4	.250	6.350	3/4	.750	19.050
17/64	.265625	6.747	49/64	.765625	19.447
9/32	.28125	7.144	25/32	.78125	19.844
19/64	.296875	7.541	51/64	.796875	20.241
5/16	.3125	7.938	13/16	.8125	20.638
21/64	.328125	8.334	53/64	.828125	21.034
11/32	.34375	8.731	27/32	.84375	21.431
23/64	.359375	9.128	55/64	.859375	21.828
3/8	.375	9.525	7/8	.875	22.225
25/64	.390625	9.922	57/64	.890625	22.622
13/32	.40625	10.319	29/32	.90625	23.019
27/64	.421875	10.716	59/64	.921875	23.416
7/16	.4375	11.113	15/16	.9375	23.813
29/64	.453125	11.509	61/64	.953125	24.209
15/32	.46875	11.906	31/32	.96875	24.606
31/64	.484375	12.303	63/64	.984375	25.003
1/2	.500	12.700	1	1.000	25.400

One Millimeter = .03937 inch.

HORSEPOWER AND TORQUE

Horsepower is the common unit of mechanical power.

$$H.P. = \frac{\text{Force x Feet per Minute}}{33000}$$

$$H.P. = \frac{\text{Torque in In.-Lbs. x R.P.M.}}{63025}$$

One H.P. = .746 Kilowatt

One Kilowatt = 1.34 H.P.

Torque is a twisting moment or turning effort.

Torque in inch-pounds = Force x Lever Arm (Inches)

$$\text{Torque in inch-pounds} = \frac{63025 \times H.P.}{R.P.M.}$$

The following table gives the torque in Inch-Pounds for one H.P. at various speeds.

Torque at One Horsepower

R.P.M.	In.-Lbs.	R.P.M.	In.-Lbs.	R.P.M.	In.-Lbs.	R.P.M.	In.-Lbs.
3500	**18**	**580**	**109**	**90**	**700**	**14**	**4502**
3000	**21**	**500**	**126**	**80**	**788**	**12**	**5252**
2400	**26**	**400**	**158**	**70**	**900**	**10**	**6300**
2000	**32**	**300**	**210**	**60**	**1050**	**8**	**7878**
1750	**36**	**200**	**315**	**50**	**1260**	**6**	**10504**
1600	**39**	**180**	**350**	**40**	**1576**	**5**	**12605**
1200	**53**	**160**	**394**	**30**	**2101**	**4**	**15756**
1160	**54**	**140**	**450**	**20**	**3151**	**3**	**21008**
1000	**63**	**120**	**525**	**18**	**3501**	**2**	**31513**
870	**72**	**100**	**630**	**16**	**3939**	**1**	**63025**

To Find torque at any horsepower multiply values in table above by the horsepower required. For intermediate speeds interpolate values in table above or solve the Torque Formula above.

MINIMUM SHEAVE SIZES NEMA STANDARDS

The NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION recommends certain limitations on sheave diameter and width for satisfactory motor operation. The selected sheave diameter should not be smaller nor the width greater than the dimensions below. These dimensions are from NEMA Standard MG1-14.42.

Frame	Horsepower at Sync Speed, Rpm				V-belt Sheave (Inches) Conventional A, B, C, D and E Sections		358 3V, 5V and 8V Sections	
	3600	1800	1200	900	Min. Pitch Dia.	Max. Width	Min. Outside Dia.	Max. Width
143T	1 1/2	1	3/4	1/2	2.2	4 1/4"	2.2	2 1/4"
145T	2-3	1 1/2-2	1	3/4	2.4	4 1/4	2.4	2 1/4
182T	3	3	1 1/2	1	2.4	5 1/4	2.4	2 3/4
182T	5	—	—	—	2.6	5 1/4	2.4	2 3/4
184T	—	—	2	1 1/2	2.4	5 1/4	2.4	2 3/4
184T	5	—	—	—	2.6	5 1/4	2.4	2 3/4
184T	7 1/2	5	—	—	3.0	5 1/4	3.0	2 3/4
213T	7 1/2-10	7 1/2	3	2	3.0	6 1/2	3.0	3 3/8
215T	10	—	5	3	3.0	6 1/2	3.0	3 3/8
215T	15	10	—	—	3.8	6 1/2	3.8	3 3/8
254T	15	—	7 1/2	5	3.8	7 3/4	3.8	4
254T	20	15	—	—	4.4	7 3/4	4.4	4
256T	20-25	—	10	7 1/2	4.4	7 3/4	4.4	4
256T	—	20	—	—	4.6	7 3/4	4.4	4
284T	—	—	15	10	4.6	9	4.4	4 5/8
284T	—	25	—	—	5.0	9	4.4	4 5/8
286T	—	30	20	15	5.4	9	5.2	4 5/8
324T	—	40	25	20	6.0	10 1/4	6.0	5 1/4
326T	—	50	30	25	6.8	10 1/4	6.8	5 1/4
364T	—	—	40	30	6.8	11 1/2	6.8	5 7/8
364T	—	60	—	—	7.4	11 1/2	7.4	5 7/8
365T	—	—	50	40	8.2	11 1/2	8.2	5 7/8
365T	—	75	—	—	9.0	11 1/2	8.6	5 7/8
404T	—	—	60	—	9.0	14 1/4	8.0	7 1/4
404T	—	—	—	50	9.0	14 1/4	8.4	7 1/4
404T	—	100	—	—	10.0	14 1/4	8.6	7 1/4
405T	—	—	75	60	10.0	14 1/4	10.0	7 1/4
405T	—	100	—	—	10.0	14 1/4	8.6	7 1/4
405T	—	125	—	—	11.5	14 1/4	10.5	7 1/4
444T	—	—	100	—	11.0	16 3/4	10.0	8 1/2
444T	—	—	—	75	10.5	16 3/4	9.5	8 1/2
444T	—	125	—	—	11.0	16 3/4	9.5	8 1/2
444T	—	150	—	—	—	—	10.5	8 1/2
445T	—	—	125	—	12.5	16 3/4	12.0	8 1/2
445T	—	—	—	100	12.5	16 3/4	12.0	8 1/2
445T	—	150	—	—	—	—	10.5	8 1/2
445T	—	200	—	—	—	—	13.2	8 1/2

To obtain the minimum pitch diameters for flat belt, Gearbelt, Poly-V, chain or gear drives, multiply the 358 SHEAVE PITCH DIAMETERS in the table above by the following factors:

Drive	Factor
Chain	0.70
Flat Belt (Single ply)	1.33
Gearbelt	0.90
Helical Gear	0.85
Poly-V	1.00
Spur Gear	0.75

Notes:

All sales are made on our STANDARD TERMS AND CONDITIONS OF SALE in effect at the time a customer's order is accepted. The current Terms and Conditions are set forth below:

STANDARD TERMS AND CONDITIONS OF SALE (September 2, 2009)

These Terms and Conditions, the attendant quotation or acknowledgment and all documents incorporated by specific reference therein, will be the complete and exclusive statement of the terms of the agreement governing the sale of goods ("Goods") by Emerson Power Transmission Corporation and its divisions and subsidiaries ("Seller") to Customer ("Buyer"). Buyer's acceptance of the Goods will manifest Buyer's assent to these Terms and Conditions. If these Terms and Conditions differ in any way from the terms and conditions of Buyer's order, or other documentation, this document will be construed as a counteroffer and will not be deemed an acceptance of Buyer's terms and conditions which conflict herewith.

1. PRICES: Unless otherwise specified in writing by Seller, Seller's price for the goods shall remain in effect for thirty (30) days after the date of Seller's quotation or acknowledgment of Buyer's order for the Goods, whichever occurs first, provided an unconditional, complete authorization for the immediate shipment of the Goods is received and accepted by Seller within such time period. If such authorization is not received by Seller within such thirty (30) day period, Seller shall have the right to change the price for the Good to Seller's price for the Goods at the time of shipment.

2. TAXES: Any tax or governmental charge or increase in same hereafter becoming effective increasing the cost to Seller of producing, selling or delivering the Goods or of procuring material used therein, and any tax now in effect or increase in same payable by the Seller because of the manufacture, sale or delivery of the Goods, may at Seller's option, be added to the price.

3. TERMS OF PAYMENT: Subject to the approval of Seller's Credit Department, terms are net thirty (30) days from date of Seller's invoice in U.S. currency. If any payment owed to Seller is not paid when due, it shall bear interest, at a rate to be determined by Seller, which shall not exceed the maximum rate permitted by law, from the date on which it is due until it is paid. Seller shall have the right, among other remedies, either to terminate the Agreement or to suspend further performance under this and/or other agreements with Buyer in the event Buyer fails to make any payment when due. Buyer shall be liable for all expenses, including attorneys' fees, relating to the collection of past due amounts.

4. SHIPMENT AND DELIVERY: Shipments are made F.O.B. Seller's shipping point. Any claims for shortages or damages suffered in transit shall be submitted by the Buyer directly to the carrier. While Seller will use all reasonable commercial efforts to maintain the delivery date acknowledged or quoted by Seller, all shipping dates are approximate. Seller reserves the right to make partial shipments and to segregate "specials" and made-to-order Goods from normal stock Goods. Seller shall not be bound to tender delivery of any Goods for which Buyer has not provided shipping instructions.

5. QUANTITY: Buyer agrees to accept overruns of up to ten percent (10%) of the order on "made-to-order" Goods, including parts. Any such additional items shall be priced at the price per item charged for the specific quantity ordered.

6. LIMITED WARRANTY: Subject to the limitations of Section 7, Seller warrants that the Goods will be free from defects in material and workmanship under normal use, service and maintenance for a period of one year (unless otherwise specified by Seller in writing) from the date of shipment of the Goods by Seller. **THIS IS THE SOLE AND EXCLUSIVE WARRANTY GIVEN BY SELLER WITH RESPECT TO THE GOODS AND IS IN LIEU OF AND EXCLUDES ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, ARISING BY OPERATION OF LAW OR OTHERWISE, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOS WHETHER OR NOT THE PURPOSE OR USE HAS BEEN DISCLOSED TO SELLER IN SPECIFICATIONS, DRAWINGS OR OTHERWISE, AND WHETHER OR NOT SELLER'S PRODUCTS ARE SPECIFICALLY DESIGNED AND/OR MANUFACTURED BY SELLER FOR BUYER'S USE OR PURPOSE**. This warranty does not extend to any losses or damages due to misuse, accident, abuse, neglect, normal wear and tear, unauthorized modification or alteration, use beyond rated capacity, or improper installation, maintenance or application. To the extent that Buyer or its agents has supplied specifications, information, representation of operating conditions or other data to Seller in the selection or design of the Goods and the preparation of Seller's quotation, and in the event that actual operating conditions or other conditions differ from those represented by Buyer, any warranties or other provisions contained herein which are affected by such conditions shall be null and void. If within thirty (30) days after Buyer's discovery of any warranty defects within the warranty period, Buyer notifies Seller thereof in writing, Seller shall, at its option, repair or replace F.O.B. point of manufacture, or refund the purchase price for, that portion of the goods found by Seller to be defective. Failure by Buyer to give such written notice within the applicable time period shall be deemed an absolute and unconditional waiver of Buyer's claim for such defects. Goods repaired or replaced during the warranty period shall be covered by the foregoing warranty for the remainder of the original warranty period or ninety (90) days, whichever is longer. Buyer assumes all other responsibility for any loss, damage, or injury to persons or property arising out of, connected with, or resulting from the use of Goods, either alone or in combination with other products/components.
SECTIONS 6 AND 7 APPLY TO ANY ENTITY OR PERSON WHO MAY BUY, ACQUIRE OR USE SELLER'S GOODS, INCLUDING ANY ENTITY OR PERSON WHO BUYS THE GOODS FROM SELLER'S DISTRIBUTOR AND SUCH ENTITY OR PERSON SHALL BE BOUND BY THE LIMITATIONS THEREIN.

7. LIMITATION OF REMEDY AND LIABILITY: **THE SOLE AND EXCLUSIVE REMEDY FOR BREACH OF ANY WARRANTY HEREUNDER (OTHER THAN THE WARRANTY PROVIDED UNDER SECTION 13) SHALL BE LIMITED TO REPAIR, REPLACEMENT OR REFUND OF THE PURCHASE PRICE UNDER SECTION 6. SELLER SHALL NOT BE LIABLE FOR DAMAGES CAUSED BY DELAY IN PERFORMANCE AND IN NO EVENT, REGARDLESS OF THE FORM OF THE CLAIM OR CAUSE OF ACTION (WHETHER BASED IN CONTRACT, INFRINGEMENT, NEGLIGENCE, STRICT LIABILITY, OTHER TORT OR OTHERWISE), SHALL SELLER'S LIABILITY TO BUYER AND/OR ITS CUSTOMERS EXCEED THE PRICE TO BUYER OF THE SPECIFIC GOODS PROVIDED BY SELLER GIVING RISE TO THE CLAIM OR CAUSE OF ACTION. BUYER AGREES THAT IN NO EVENT SHALL SELLER'S LIABILITY TO BUYER AND/OR ITS CUSTOMERS EXTEND TO INCLUDE INCIDENTAL, CONSEQUENTIAL OR PUNITIVE DAMAGES. THE TERM "CONSEQUENTIAL DAMAGES" SHALL INCLUDE, BUT NOT BE LIMITED TO, LOSS OF ANTICIPATED PROFITS, LOSS OF USE, LOSS OF REVENUE, COST OF CAPITAL AND DAMAGE OR LOSS OF OTHER PROPERTY OR EQUIPMENT.**
It is expressly understood that any technical advice furnished by Seller with respect to the use of the Goods is given without charge, and Seller assumes no obligation or liability for the advice given, or results obtained, all such advice being given and accepted at Buyer's risk. **GOODS AND/OR SERVICES SOLD HEREUNDER ARE NOT FOR USE IN ANY NUCLEAR AND RELATED APPLICATIONS**. Buyer accepts goods and/or services with the foregoing understanding, agrees to communicate the same in writing to any subsequent purchaser or users and to defend, indemnify and hold harmless Seller from any claims, losses, suits, judgments and damages, including incidental and consequential damages, arising from such use, whether the cause of action be based in tort, contract or otherwise, including allegations that the Seller's liability is based on negligence or strict liability.

8. EXCUSE OF PERFORMANCE: Seller shall not be liable for delays in performance or for non-performance due to acts of God, acts of Buyer, war, riot, fire, flood, other severe weather, sabotage, or epidemics; strikes or labor disturbances; governmental requests, restrictions, laws, regulations, orders or actions; unavailability of or delays in transportation; default of suppliers; or unforeseen circumstances or any events or causes beyond Seller's reasonable control. Deliveries may be suspended for an appropriate period of time as a result of the foregoing. If Seller determines that its ability to supply the total demand for the Goods, or to obtain material used directly or indirectly in the manufacture of the Goods, is hindered, limited or made impracticable due to causes addressed in this Section 8, Seller may allocate its available supply of the Goods or such material (without obligation to acquire other supplies of any such Goods or material) among itself and its purchasers on such basis as Seller determines to be equitable without liability for any failure of performance which may result therefrom. Deliveries suspended or not made by reason of this section may be canceled by Seller upon notice to Buyer without liability, but the balance of the agreement shall otherwise remain unaffected.

9. CANCELLATIONS AND DELAYS: The Buyer may cancel orders only upon written notice and upon payment to Seller of cancellation charges which include, among other things, all costs and expenses incurred and commitments made by the Seller and a reasonable profit thereon. Any request by Buyer to extend the delivery schedule must be agreed to in writing by the Seller. If agreement cannot be reached, Seller may deliver product to the last known ship to address and invoice the Buyer upon completion of the product or prior delivery date, whichever is later.

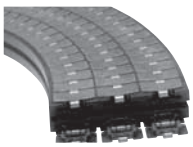
10. CHANGES: Buyer may request changes or additions to the Goods consistent with Seller's specifications and criteria. In the event such changes or additions are accepted by Seller, Seller may revise the price and delivery schedule. Seller reserves the right to change designs and specifications for the Goods without prior notice to Buyer, except with respect to Goods being made-to-order for Buyer.

11. TOOLING: Tool, die, and pattern charges, if any, are in addition to the price of the Goods and are due and payable upon completion of the tooling. All such tools, dies and patterns shall be and remain the property of Seller. Charges for tools, dies, and patterns do not convey to Buyer, title, ownership interests in, or rights to possession or removal, nor prevent their use by Seller for other purchasers, except as otherwise expressly provided by Seller and Buyer in writing with reference to this provision.

12. ASSIGNMENT: Buyer shall not assign its rights or delegate its duties hereunder or any interest therein or any rights hereunder without the prior written consent of the Seller, and any such assignment, without such consent, shall be void.

13. PATENTS AND COPYRIGHTS: Subject to Section 7, Seller warrants that the Goods sold, except as are made specifically for Buyer according to Buyer's specifications, do not infringe any valid U.S. patent or copyright in existence as of the date of delivery. This warranty is given upon the condition that Buyer promptly notify Seller of any claim or suit involving Buyer in which such infringement is alleged, and, that Buyer cooperate fully with Seller and permit Seller to control completely the defense or compromise of any such allegation of infringement. Seller's warranty as to use only applies to infringements arising solely out of the inherent operation (i) of such Goods, or (ii) of any combination of Goods in a system designed by Seller. In the event such Goods, singularly or in combination, are held to infringe a U.S. patent or copyright in such suit, and the use of such Goods is enjoined, or in the case of a compromise by Seller, Seller shall have the right, at its option and expense, to procure for Buyer the right to continue using such Goods, or replace them with non-infringing Goods; or modify same to become non-infringing; or grant Buyer a credit for the depreciated value of such Goods and accept return of them.

14. MISCELLANEOUS: These terms and conditions set forth the entire understanding and agreement between Seller and Buyer, and supersede all other communications, negotiations and prior oral or written statements regarding the subject matter of these terms and conditions. No change, modification, rescission, discharge, abandonment, or waiver of these terms and conditions of Sale shall be binding upon the Seller unless made in writing and signed on its behalf by an officer of the Seller. No conditions, usage or trade, course of dealing or performance, understanding or agreement purporting to modify, vary, explain, or supplement these Terms and Conditions shall be binding unless hereafter made in writing and signed by the party to be bound, and no modification shall be affected by the acceptance of purchase orders or shipping instruction forms containing terms at variance with or in addition to those set forth herein. Any such modifications or additional terms are specifically rejected by Seller. No waiver by Seller with respect to any breach or default or any right or remedy and no course of dealing, shall be deemed to constitute a continuing waiver of any other breach or default or of any other right or remedy, unless such waiver be expressed in writing and signed by the party to be bound. Seller is not responsible for typographical or clerical errors made in any quotation, orders or publications. All such errors are subject to correction. The validity, performance, and all other matters relating to the interpretation and effect of this contract shall be governed by the law of the state of New York. The United Nations Convention on the International Sale of Goods shall not apply to
any transaction hereunder.



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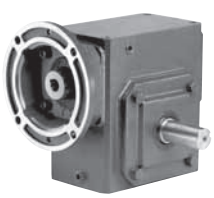

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