Browning®

V-belt Drives and Bearings Product Guide

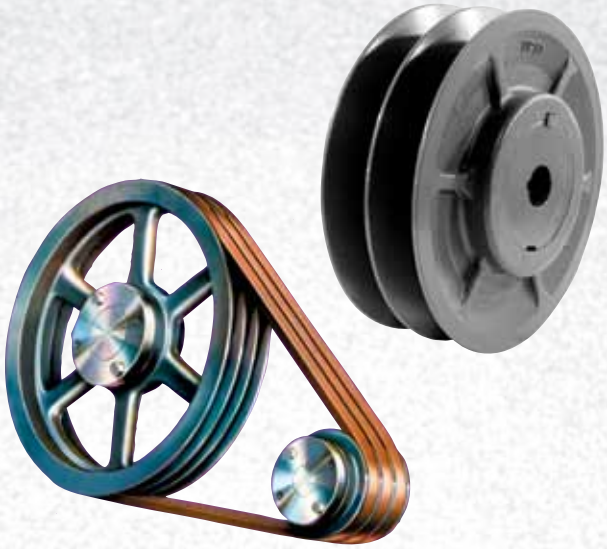
EMERSON™
Climate Technologies

EMERSON. CONSIDER IT SOLVED™

The First Name in Performance HVAC Belt Drives and Bearing Products

OEM Specified –

Technology Leadership to Meet the Requirements of Shorter Centers and Higher Speeds



Browning® VP Vortex Variable Pitch Sheaves

- Increased wall thickness and hub design for increased horsepower capacity and shorter center drives
- Tighter tolerances for reduced vibration
- External rib design provides extra cooling for longer belt life

B5V Sheaves

- Combination groove accepts A, B and 5V belts
- B5V serves 90% of all 10-125HP applications
- B bushing utilizes the popular split taper design for true concentricity and lower vibration

Browning Brand V-belts

- Unique design enhances performance, provides increased horsepower capacity in short center drives
- Single fabric design reduces vibration
- Ground form edges reduce center distance variation and drive vibration
- Browning belts and sheaves provide 4X the product offering of any competitor

Browning Bearings

Ball

- "AH" series available in setscrew and BOA® lock
- Designed and manufactured for easy self-aligning
- Inner rings are zone hardened

Spherical

- SPB series are available with cast iron or ductile housings
- Self-aligning double row spherical roller bearings
- Available with Multi-Trap® non-contact seals.

EPT EDGE®

Optimal Drive Selection from the World's Largest Selection of V-belt Drives

- Today's OEM trusted design tool
- Supports selections of higher HP in smaller packages

– Contractor Preferred

Energy Responsibility In Three Easy Steps

1. *Upgrade from wrapped to notched belts and improve efficiency.*
2. *Worn sheaves allow belt slip. Inspect sheaves for wear. Wear greater than 1/32" can decrease efficiency 5% or more.*
3. *Properly tension belts.*

Save the Green®

OEM Specified –

Upgrade from wrapped to notched belts and improve efficiency

New Belt Drive Efficiency Calculator at www.emerson-ept.com

Check out our new video "Save the Green – Energy responsibility in three easy steps" at www.emerson-ept.com or visit us on You Tube at channel "ThePowerTransmission"

Save the Green®

150 HP	$2,125.78
125 HP	$1,777.93
100 HP	$1,422.00
75 HP	$1,081.17
60 HP	$860.16
50 HP	$717.71
40 HP	$576.11
30 HP	$430.93
25 HP	$362.25
20 HP	$294.27
10 HP	$148.79
7.5 HP	$111.92
5 HP	$77.25
3 HP	$45.75
2 HP	$32.44
1.5 HP	$23.57
1 HP	$16.82
0.75 HP	$13.06
0.5 HP	$9.46

"A single 100HP belt driven application that drops from 98% to 95% in efficiency costs $1422.00 annually in added electricity."
(Based on $0.12/kWh, 18hrs/7 day wk usage at 75% load)

It's free. Download the Browning® Energy Efficiency Calculator for your iPhone, Droid or Blackberry. Search "Browning vbelts"

– Contractor Preferred

V-Belt Drive Advantages

V-belt drives provide many maintenance advantages that help in your daily struggle to reduce equipment repairs and to hold forced downtime to the lowest possible level.

1. They are rugged–they will give years of trouble-free performance when given just reasonable attention...even under adverse conditions.
2. They are clean–require no lubrication.
3. They are efficient–performing with an average of 94-98% efficiency.
4. They are smooth starting and running.
5. They cover extremely wide horsepower ranges.
6. They permit a wide range of driven speeds, using standard electric motors.
7. They dampen vibration between driving and driven machines.
8. They are quiet.
9. They act as a “mechanical fuse” in the power drive because they refuse to transmit a severe overload of power, except for a very brief time.
10. V-belts and sheaves **wear gradually**–making preventive corrective maintenance simple and easy.

Browning® offers the largest selection of V-Belts in the universe!

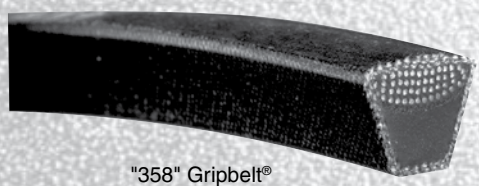
Browning is universally known for V-belt drives. In fact, nowhere else can you find such a complete range of V-belting — and the sheaves to run them — all in stock. Choose the type that's best for your application — Classical, "358" and FHP.

- Matched Belts -

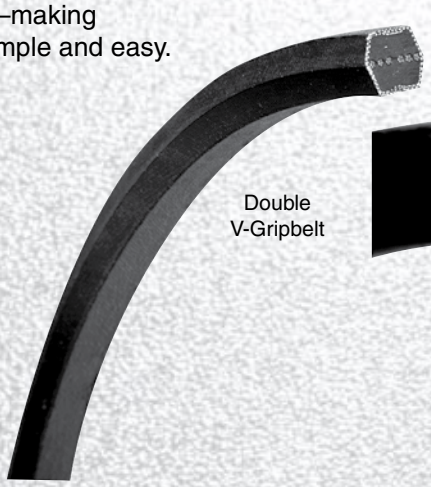
*And there's no problem with matched belt sizes either. Browning offers the **"CODE 1" one-match** belt system on all classical and "358" belts, allowing easy selection with just one match number for each belt size. The **CODE 1** symbol on any Browning belt provides matching tolerances tighter than ANSI (American National Standards Inc.). Machine matching of belts is also available for precision match requirements.*

Wherever you are in the universe — make Browning your first choice in V-belts.

Note: Belt matching is available upon request.
The product will ship from our National Distribution Center.

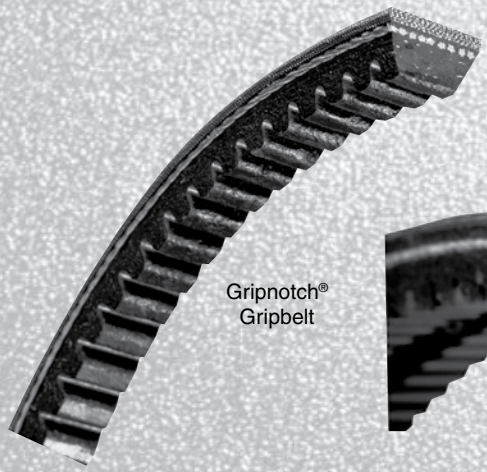


"358" Gripbelt®

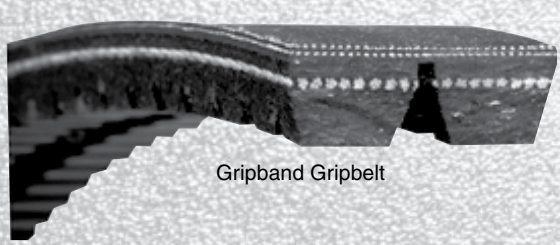


Double V-Gripbelt

Super Gripbelt



Gripnotch® Gripbelt

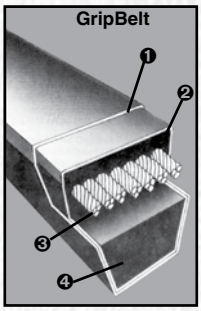


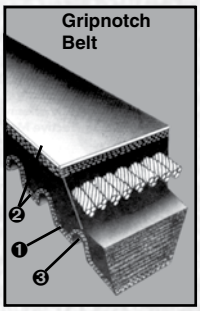
Gripband Gripbelt

Griptwist®

OEM Specified –

Unique design enhances performance and provides increased HP capacity in shorter center drives.





Before we talk about *"Avoiding Problems"* and *"Solving Problems"*, let's take a brief look at how V-belts are constructed.

There are basically two types of construction. One has a fabric wrapper (or jacket) surrounding it; the other – usually rated higher in horsepower – is made in a raw edged, cogged construction.

GripBelt®

1. Single Fabric Design
- More flexible - use with sub-minimal pitch diameters.
- Reduced overlap - reduces vibration

2. Improved Cord Adhesion

3. Improved Flexibility Cords

4. Improved SBR Compounds

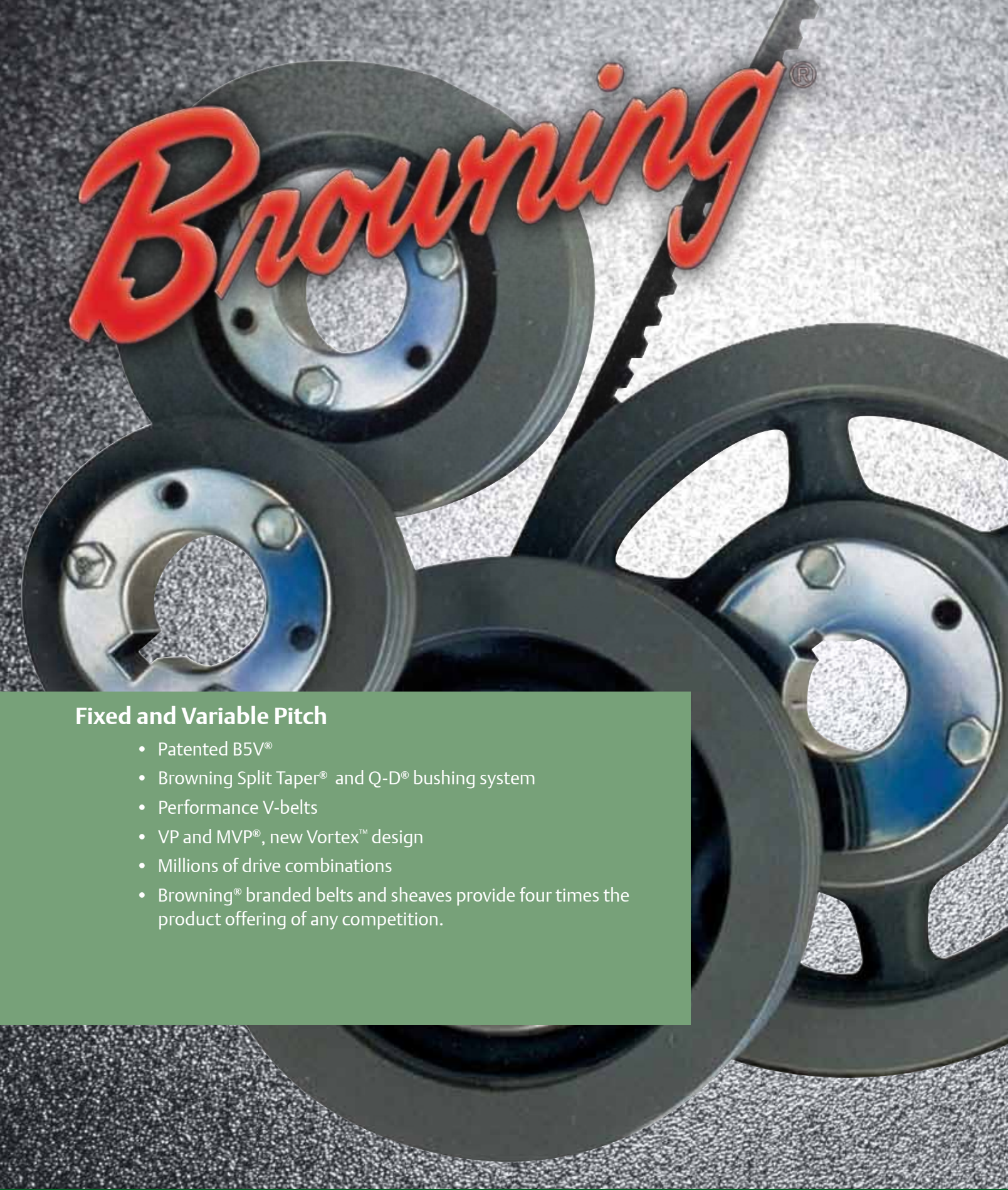
Gripnotch® V-Belts

1. Ground Form
- Reduced vibration increases belt and bearing life.

2. Fabric Top and Bottom
- Increases rigidity and stability. Reduces stress on the cord line and increases belt life.

3. Wider Notch Spacing
- Increases rigidity and stability. Reduces stress on the cord line and increases belt life.

– Contractor Preferred



Fixed and Variable Pitch

- Patented B5V®
- Browning Split Taper® and Q-D® bushing system
- Performance V-belts
- VP and MVP®, new Vortex™ design
- Millions of drive combinations
- Browning® branded belts and sheaves provide four times the product offering of any competition.

OEM Specified –

Browning Split Taper® Bushing...

The only bushing in the industry with a lifetime guarantee

- Solid flange to maintain concentric bores
- 3/4" taper per foot – self locking
- Double-split barrel for positive clamping
- External key on most sizes for positive drive and greater torque carrying capabilities
- Available in inch, metric and spline bores. Bore range from 3/8" to 10"

Mounted Ball Bearings

- Available in a variety of housing configurations including pillow block, two-bolt flange, four-bolt flange and more
- AH housing fits available from stock
- Semi-solid cast iron base
- Anti-rotation rivet

Mounted Roller Bearings

- Available in a variety of housing configurations including pillow blocks, flange blocks, flange cartridges and take-up units
- Standard with Multi-Trap® seals
- Self-aligning, double-row spherical bearings
- One-piece cast iron (1000 series) or ductile iron (1100 series) housings

– Contractor Preferred

Part Number Explanation

V-Belts

5L 500
- 50.0" outside length
- Belt section

B - 148
- Belt reference number
- Belt section

5V X 1180
- 118.0" outside length
- Gripnotch profile
- 5V belt section

Bearings

RUB R S 1 08
- Bore size (1/16 inch)
- Series 100
- Set screw
- Insert
- Rubber Grommet

V P S - 2 23 AH
- Air handling
- Bore size (1/16 inch)
- 200 series
- Set screw lock
- Pillow block
- Value and quality

Sheaves

2 VP 71 x 1 5/8
- Finished Bore
- 7.1" outside diameter
- Variable pitch
- 2 grooves

AK 89 H
- "H" bushed bore
- Nominal diameter reference
- Single groove, cast iron, "A" section belt

6 B5V 154
- 15.4” diameter for “B” section belt
- Combination B and 5V groove
- Number of grooves

A K 64 x 1
- Finished Bore
- Pitch Diameter
- Cast Iron
- "A" Groove

8 C 70 Q
- "Q" Bushing
- 7.0 Diameter
- "C" Groove
- Number of Grooves

OEM Specified — Contractor Preferred

A20 - D660

Super Gripbelt® Belts

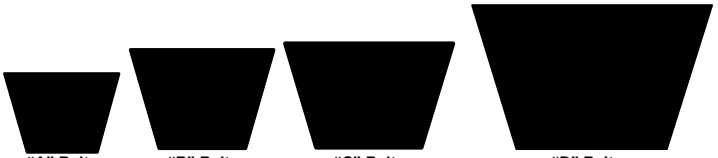


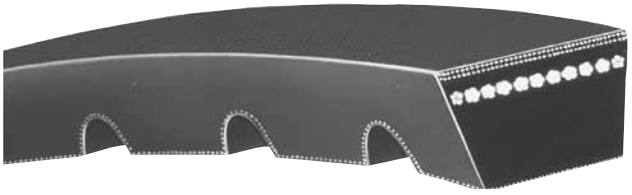
Table No. 1

Super Gripbelt® belts are static conducting.

Belt No.	Length Outside	Length Pitch	Wt. Lbs.	Belt No.	Length Outside	Length Pitch	Wt. Lbs.	Belt No.	Length Outside	Length Pitch	Wt. Lbs.	Belt No.	Length Outside	Length Pitch	Wt. Lbs.
A20	22.2"	21.3"	.2	**A90**	92.2"	91.3"	.6	**B71**	74.0"	72.8"	.8	**C60**	64.2	62.9	1.2
A21	23.2	22.3	.2	**A91**	93.2	92.3	.6	**B72**	75.0	73.8	.8	**C68**	72.2	70.9	1.3
A22	24.2	23.3	.2	**A92**	94.2	93.3	.6	**B73**	76.0	74.8	.8	**C72**	76.2	74.9	1.4
A23	25.2	24.3	.2	**A93**	95.2	94.3	.6	**B74**	77.0	75.8	.8	**C75**	79.2	77.9	1.4
A24	26.2	25.3	.2	**A94**	96.2	95.3	.6	**B75**	78.0	76.8	.8	**C78**	82.2	80.9	1.5
A25	27.2	26.3	.2	**A95**	97.2	96.3	.6	**B76**	79.0	77.8	.8	**C81**	85.2	83.9	1.6
A26	28.2	27.3	.2	**A96**	98.2	97.3	.7	**B77**	80.0	78.8	.8	**C85**	89.2	87.9	1.6
A27	29.2	28.3	.2	**A97**	99.2	98.3	.7	**B78**	81.0	79.8	.8	**C90**	94.2	92.9	1.7
A28	30.2	29.3	.2	**A98**	100.2	99.3	.7	**B79**	82.0	80.8	.8	**C96**	100.2	98.9	1.8
A29	31.2	30.3	.2	**A100**	102.2	101.3	.7	**B80**	83.0	81.8	.9	**C97**	101.2	99.9	1.8
A30	32.2	31.3	.2	**A103**	105.2	104.3	.7	**B81**	84.0	82.8	.9	**C99**	103.2	101.9	1.9
A31	33.2	32.3	.2	**A105**	107.2	106.3	.7	**B82**	85.0	83.8	.9	**C100**	104.2	102.9	1.9
A32	34.2	33.3	.2	**A110**	112.2	111.3	.8	**B83**	86.0	84.8	.9	**C101**	105.2	103.9	1.9
A33	35.2	34.3	.2	**A112**	114.2	113.3	.8	**B84**	87.0	85.8	.9	**C105**	109.2	107.9	2.0
A34	36.2	35.3	.2	**A120**	122.2	121.3	.8	**B85**	88.0	86.8	.9	**C108**	112.2	110.9	2.0
A35	37.2	36.3	.2	**A125**	127.2	126.3	.9	**B86**	89.0	87.8	1.0	**C109**	113.2	111.9	2.0
A36	38.2	37.3	.3	**A128**	130.2	129.3	.9	**B87**	90.0	88.8	1.0	**C111**	115.2	113.9	2.1
A37	39.2	38.3	.3	**A136**	138.2	137.3	.9	**B88**	91.0	89.8	1.0	**C112**	116.2	114.9	2.1
A38	40.2	39.3	.3	**A144**	146.2	145.3	1.0	**B89**	92.0	90.8	1.0	**C115**	119.2	117.9	2.1
A39	41.2	40.3	.3	**A158**	160.2	159.3	1.1	**B90**	93.0	91.8	1.0	**C120**	124.2	122.9	2.3
A40	42.2	41.3	.3	**A173**	175.2	174.3	1.2	**B91**	94.0	92.8	1.0	**C124**	128.2	126.9	2.4
A41	43.2	42.3	.3	**A180**	182.2	181.3	1.2	**B92**	95.0	93.8	1.0	**C128**	132.2	130.9	2.4
A42	44.2	43.3	.3	***B22**	25.0	23.8	.3	**B93**	96.0	94.8	1.0	**C136**	140.2	138.9	2.6
A43	45.2	44.3	.3	***B23**	26.0	24.8	.3	**B94**	97.0	95.8	1.0	**C144**	148.2	146.9	2.8
A44	46.2	45.3	.3	***B24**	27.0	25.8	.3	**B95**	98.0	96.8	1.0	**C148**	152.2	150.9	2.8
A45	47.2	46.3	.3	**B25**	28.0	26.8	.3	**B96**	99.0	97.8	1.1	**C150**	154.2	152.9	2.9
A46	48.2	47.3	.3	**B26**	29.0	27.8	.3	**B97**	100.0	98.8	1.1	**C158**	162.2	160.9	3.0
A47	49.2	48.3	.3	**B28**	31.0	29.8	.3	**B98**	101.0	99.8	1.1	**C162**	166.2	164.9	3.1
A48	50.2	49.3	.3	**B29**	32.0	30.8	.3	**B99**	102.0	100.8	1.1	**C173**	177.2	175.9	3.3
A49	51.2	50.3	.4	**B30**	33.0	31.8	.3	**B100**	103.0	101.8	1.1	**C180**	184.2	182.9	3.4
A50	52.2	51.3	.4	**B31**	34.0	32.8	.3	**B101**	104.0	102.8	1.1	**C195**	199.2	197.9	3.7
A51	53.2	52.3	.4	**B32**	35.0	33.8	.3	**B103**	106.0	104.8	1.1	**C210**	214.2	212.9	4.0
A52	54.2	53.3	.4	**B33**	36.0	34.8	.4	**B105**	108.0	106.8	1.1	**C225**	227.2	225.9	4.3
A53	55.2	54.3	.4	**B34**	37.0	35.8	.4	**B106**	109.0	107.8	1.1	**C240**	242.2	240.9	4.6
A54	56.2	55.3	.4	**B35**	38.0	36.8	.4	**B108**	111.0	109.8	1.2	**C255**	257.2	255.9	4.9
A55	57.2	56.3	.4	**B36**	39.0	37.8	.4	**B111**	114.0	112.8	1.2	**C270**	272.2	270.9	5.2
A56	58.2	57.3	.4	**B37**	40.0	38.8	.4	**B112**	115.0	113.8	1.2	**C285**	287.2	285.9	5.4
A57	59.2	58.3	.4	**B38**	41.0	39.8	.4	**B116**	119.0	117.8	1.3	**C300**	302.2	300.9	5.7
A58	60.2	59.3	.4	**B39**	42.0	40.8	.4	**B117**	121.0	119.8	1.3	**C315**	317.2	315.9	6.0
A59	61.2	60.3	.4	**B40**	43.0	41.8	.5	**B120**	123.0	121.8	1.3	**C330**	332.2	330.9	6.3
A60	62.2	61.3	.4	**B41**	44.0	42.8	.5	**B123**	126.0	124.8	1.3	**C345**	347.2	345.9	6.6
A61	63.2	62.3	.4	**B42**	45.0	43.8	.5	**B124**	127.0	125.8	1.3	**C360**	362.2	360.9	6.9
A62	64.2	63.3	.4	**B43**	46.0	44.8	.5	**B126**	129.0	127.8	1.4	**C390**	392.2	390.9	7.5
A63	65.2	64.3	.4	**B44**	47.0	45.8	.5	**B128**	131.0	129.8	1.4	**C420**	422.2	420.9	8.0
A64	66.2	65.3	.4	**B45**	48.0	46.8	.5	**B133**	136.0	134.8	1.5	**D120**	125.2	123.3	4.0
A65	67.2	66.3	.5	**B46**	49.0	47.8	.5	**B136**	139.0	137.8	1.5	**D128**	133.2	131.3	4.4
A66	68.2	67.3	.5	**B47**	50.0	48.8	.5	**B140**	143.0	141.8	1.6	**D144**	149.2	147.3	5.0
A67	69.2	68.3	.5	**B48**	51.0	49.8	.5	**B144**	147.0	145.8	1.6	**D158**	163.2	161.3	5.3
A68	70.2	69.3	.5	**B49**	52.0	50.8	.6	**B148**	151.0	149.8	1.6	**D162**	167.2	165.3	5.5
A69	71.2	70.3	.5	**B50**	53.0	51.8	.6	**B150**	153.0	151.8	1.6	**D173**	178.2	176.3	5.8
A70	72.2	71.3	.5	**B51**	54.0	52.8	.6	**B154**	157.0	155.8	1.7	**D180**	185.2	183.3	6.0
A71	73.2	72.3	.5	**B52**	55.0	53.8	.6	**B158**	161.0	159.8	1.7	**D195**	200.2	198.3	6.3
A72	74.2	73.3	.5	**B53**	56.0	54.8	.6	**B162**	165.0	163.8	1.7	**D210**	215.2	213.3	6.8
A73	75.2	74.3	.5	**B54**	57.0	55.8	.6	**B173**	176.0	174.8	1.9	**D225**	227.7	225.8	7.1
A74	76.2	75.3	.5	**B55**	58.0	56.8	.6	**B180**	183.0	181.8	1.9	**D240**	242.7	240.8	7.7
A75	77.2	76.3	.5	**B56**	59.0	57.8	.6	**B190**	193.0	191.8	2.0	**D255**	257.7	255.8	8.1
A76	78.2	77.3	.5	**B57**	60.0	58.8	.7	**B191**	194.0	192.2	2.0	**D270**	272.2	270.8	8.9
A77	79.2	78.3	.5	**B58**	61.0	59.8	.7	**B195**	198.0	196.8	2.0	**D285**	287.7	285.8	9.8
A78	80.2	79.3	.5	**B59**	62.0	60.8	.7	**B205**	208.0	206.9	2.2	**D300**	302.7	300.8	10.5
A79	81.2	80.3	.5	**B60**	63.0	61.8	.7	**B210**	213.0	211.8	2.3	**D315**	317.7	315.8	10.8
A80	82.2	81.3	.5	**B61**	64.0	62.8	.7	**B225**	226.5	225.3	2.5	**D330**	332.7	330.8	10.6
A81	83.3	82.3	.5	**B62**	65.0	63.8	.7	**B240**	241.5	240.3	2.6	**D345**	347.7	345.8	11.7
A82	84.2	83.3	.6	**B63**	66.0	64.8	.7	**B255**	256.5	255.3	2.8	**D460**	362.7	360.8	11.5
A83	85.2	84.3	.6	**B64**	67.0	65.8	.7	**B270**	271.5	270.3	2.9	**D390**	392.7	390.8	12.4
A84	86.2	85.3	.6	**B65**	68.0	66.8	.7	**B285**	286.5	285.3	3.1	**D420**	422.7	420.8	13.4
A85	87.2	86.3	.6	**B66**	69.0	67.8	.7	**B300**	301.5	300.3	3.2	**D450**	452.7	450.8	16.3
A86	88.2	87.3	.6	**B67**	70.0	68.8	.7	**B315**	316.5	315.3	3.4	**D480**	482.7	480.8	15.8
A87	89.2	88.3	.6	**B68**	71.0	69.8	.7	**B360**	361.5	360.3	4.0	**D540**	542.7	540.8	19.9
A88	90.2	89.3	.6	**B69**	72.0	70.8	.8	**C51**	55.2	53.9	1.0	**D600**	602.7	600.8	21.6
A89	91.2	90.3	.6	**B70**	73.0	71.8	.8	**C55**	59.2	57.9	1.1	**D660**	662.7	660.8	28.8

* Not a stock size, contact Application Engineering 800-626-2093

Gripnotch® Belts



- Precision molded raw edge construction
- More horsepower in less space
- Notches are molded extra deep
- Oil and heat resistant
- Static conducting

Table No. 1

Belt No.	Length		Wt.	Belt No.	Length		Wt.	Belt No.	Length		Wt.	Belt No.	Length		Wt.
	Outside	Pitch	Lbs.		Outside	Pitch	Lbs.		Outside	Pitch	Lbs.		Outside	Pitch	Lbs.
AX20	22.2"	21.3"	.2	AX80	82.2"	81.3"	.5	BX57	60.0	58.8	.6	BX148	151.0	149.8	1.7
AX21	23.2	22.3	.2	AX81	83.2	82.3	.5	BX58	61.0	59.8	.6	BX150	153.0	151.8	1.8
AX22	24.2	23.3	.2	AX82	84.2	83.3	.5	BX59	62.0	60.8	.7	BX154	157.0	155.8	1.8
AX23	25.2	24.3	.2	AX83	85.2	84.3	.5	BX60	63.0	61.8	.7	BX158	161.0	159.8	1.8
AX24	26.2	25.3	.2	AX84	86.2	85.3	.5	BX61	64.0	62.8	.7	BX162	165.0	163.8	1.9
AX25	27.2	26.3	.2	AX85	87.2	86.3	.6	BX62	65.0	63.8	.7	BX173	176.0	174.8	2.0
AX26	28.2	27.3	.2	AX86	88.2	87.3	.6	BX63	66.0	64.8	.7	BX180	183.0	181.8	2.1
AX27	29.2	28.3	.2	AX87	89.2	88.3	.6	BX64	67.0	65.8	.7	BX191	194.0	192.8	2.2
AX28	30.2	29.3	.2	AX88	90.2	89.3	.6	BX65	68.0	66.8	.8	BX195	198.0	196.8	2.3
AX29	31.2	30.3	.2	AX89	91.2	90.3	.6	BX66	69.0	67.8	.8	BX210	213.0	211.8	2.5
AX30	32.2	31.3	.2	AX90	92.2	91.3	.6	BX67	70.0	68.8	.8	BX225	228.0	226.8	2.7
AX31	33.2	32.3	.2	AX91	93.2	92.3	.6	BX68	71.0	69.8	.8	BX240	241.5	240.3	2.8
AX32	34.2	33.3	.2	AX92	94.2	93.3	.6	BX69	72.0	70.8	.8	BX255	256.5	255.3	3.0
AX33	35.2	34.3	.2	AX93	95.2	94.3	.6	BX70	73.0	71.8	.8	BX270	271.5	270.3	3.2
AX34	36.2	35.3	.2	AX94	96.2	95.3	.6	BX71	74.0	72.8	.8	BX300	301.5	300.3	3.6
AX35	37.2	36.3	.2	AX95	97.2	96.3	.6	BX72	75.0	73.8	.8	CX51	55.2	53.9	1.0
AX36	38.2	37.3	.3	AX96	98.2	97.3	.7	BX73	76.0	74.8	.8	CX55	59.2	57.9	1.1
AX37	39.2	38.3	.3	AX97	99.2	98.3	.7	BX74	77.0	75.8	.8	CX60	64.2	62.9	1.2
AX38	40.2	39.3	.3	AX98	100.2	99.3	.7	BX75	78.0	76.8	.9	CX68	72.2	70.9	1.4
AX39	41.2	40.3	.3	AX100	102.2	101.3	.7	BX76	78.0	77.8	.9	CX72	76.2	74.9	1.4
AX40	42.2	41.3	.3	AX105	107.2	106.3	.7	BX77	80.0	78.8	.9	CX75	79.2	77.9	1.5
AX41	43.2	42.3	.3	AX110	112.2	111.3	.8	BX78	81.0	79.8	.9	CX78	82.2	80.9	1.6
AX42	44.2	43.3	.3	AX112	114.2	113.3	.8	BX79	82.0	80.8	.9	CX81	85.2	83.9	1.6
AX43	45.2	44.3	.3	AX120	122.2	121.3	.8	BX80	83.0	81.8	.9	CX85	89.2	87.9	1.7
AX44	46.2	45.3	.3	AX128	130.2	129.3	.9	BX81	84.0	82.8	.9	CX90	94.2	92.9	1.8
AX45	47.2	46.3	.3	AX136	138.2	137.3	.9	BX82	85.0	83.8	.9	CX96	100.2	98.9	1.9
AX46	48.2	47.3	.3	AX144	146.2	145.3	1.0	BX83	86.0	84.8	1.0	CX100	104.2	102.2	2.0
AX47	49.2	48.3	.3	AX158	160.2	159.3	1.0	BX84	87.0	85.8	1.0	CX101	105.2	103.9	2.0
AX48	50.2	49.3	.3	AX173	175.2	174.3	1.1	BX85	88.0	86.8	1.0	CX105	109.2	107.9	2.0
AX49	51.2	50.3	.4	AX180	182.2	181.3	1.2	BX86	89.0	87.8	1.0	CX109	113.2	111.9	2.1
AX50	52.2	51.3	.4	BX27	30.0	28.8	.4	BX87	90.0	88.8	1.0	CX111	115.2	113.9	2.2
AX51	53.2	52.3	.4	BX28	31.0	29.8	.4	BX88	91.0	89.8	1.0	CX112	116.2	114.9	2.2
AX52	54.2	53.3	.4	BX29	32.0	30.8	.4	BX89	92.0	90.8	1.0	CX115	119.2	117.9	2.3
AX53	55.2	54.3	.4	BX30	33.0	31.8	.4	BX90	93.0	91.8	1.1	CX120	124.2	122.9	2.4
AX54	56.2	55.3	.4	BX31	34.0	32.8	.4	BX91	94.0	92.8	1.1	CX128	132.2	130.9	2.6
AX55	57.2	56.3	.4	BX32	35.0	33.8	.4	BX92	95.0	93.8	1.1	CX136	140.2	138.9	2.7
AX56	58.2	57.3	.4	BX33	36.0	34.8	.4	BX94	97.0	95.8	1.1	CX144	148.2	146.9	2.9
AX57	59.2	58.3	.4	BX34	37.0	35.8	.4	BX95	98.0	96.8	1.1	CX150	154.2	152.9	3.0
AX58	60.2	59.3	.4	BX35	38.0	36.8	.4	BX96	99.0	97.8	1.1	CX158	162.2	160.9	3.0
AX59	61.2	60.3	.4	BX36	39.0	37.8	.4	BX97	100.0	98.8	1.1	CX162	166.2	164.9	3.1
AX60	62.2	61.3	.4	BX37	40.0	38.8	.4	BX98	101.0	99.8	1.1	CX173	177.2	175.9	3.1
AX61	63.2	62.3	.4	BX38	41.0	39.8	.4	BX99	102.0	100.8	1.2	CX180	184.2	182.9	3.2
AX62	64.2	63.3	.4	BX39	42.0	40.8	.5	BX100	103.0	101.8	1.2	CX195	199.2	197.9	3.5
AX63	65.2	64.3	.4	BX40	43.0	41.8	.5	BX103	106.0	104.8	1.2	CX210	214.2	212.9	4.0
AX64	66.2	65.3	.4	BX41	44.0	42.8	.5	BX105	108.0	106.8	1.2	CX225	229.2	227.9	4.2
AX65	67.2	66.3	.5	BX42	45.0	43.8	.5	BX106	109.0	107.8	1.2	CX240	242.2	240.9	4.3
AX66	68.2	67.3	.5	BX43	46.0	44.8	.5	BX108	111.0	109.8	1.3	CX255	259.2	257.9	4.6
AX67	69.2	68.3	.5	BX44	47.0	45.8	.5	BX112	115.0	113.8	1.3	CX270	272.2	270.9	5..0
AX68	70.2	69.3	.5	BX45	48.0	46.8	.5	BX113	116.0	114.8	1.3	CX300	304.2	302.9	5.4
AX69	71.2	70.3	.5	BX46	49.0	47.8	.5	BX115	118.0	116.8	1.4	CX330	334.2	332.9	5.9
AX70	72.2	71.3	.5	BX47	50.0	48.8	.5	BX116	119.0	117.8	1.4	CX360	364.2	362.9	6.3
AX71	73.2	72.3	.5	BX48	51.0	49.8	.6	BX120	123.0	121.8	1.4	DX120	125.2	123.3	4.3
AX72	74.2	73.3	.5	BX49	52.0	50.8	.6	BX123	126.0	124.8	1.4	DX128	133.2	131.2	4.4
AX73	75.2	74.3	.5	BX50	53.0	51.8	.6	BX124	127.0	125.8	1.4	DX158	163.2	161.3	5.4
AX74	76.2	75.3	.5	BX51	54.0	52.8	.6	BX126	129.0	127.8	1.4	DX162	167.2	165.3	5.6
AX75	77.2	76.3	.5	BX52	55.0	53.8	.6	BX128	131.0	129.8	1.5	DX180	185.2	183.2	6.2
AX76	78.2	77.3	.5	BX53	56.0	54.8	.6	BX133	136.0	134.8	1.5	DX300	302.7	300.8	10.0
AX77	79.2	78.3	.5	BX54	67.0	55.8	.6	BX136	139.0	137.8	1.6	DX360	362.7	360.8	12.3
AX78	80.2	79.3	.5	BX55	58.0	56.8	.6	BX140	143.0	141.8	1.6				
AX79	81.2	80.3	.5	BX56	59.0"	57.8"	.6	BX144	147.0"	145.8"	1.7				

3GBBX51 - 4GBC300

Gripband Belts

- Oil and heat resistant
- Ideal for pulsating loads and long centers
- Static conducting

Table No. 1 **Stock Sizes**

Part No.	Pitch Length	Wt. Lbs.	Part No.	Pitch Length	Wt. Lbs.	Part No.	Pitch Length	Wt. Lbs.	Part No.	Pitch Length	Wt. Lbs.	Part No.	Pitch Length	Wt. Lbs.
3GBBX51	52.8"	1.8	**4GBBX75**	76.8"	4.6	**4GBBX105**	106.8"	6.4	**2GBB210**	211.8	6.2	**4GBC128**	130.9	12.8
3GBBX53	54.8	1.8	**3GBBX77**	78.8	3.5	**2GBBX108**	109.8	3.3	**3GBB210**	211.8	9.3	**2GBC144**	146.9	7.6
2GBBX55	56.8	1.8	**2GBBX78**	79.8	2.4	**3GBBX108**	109.8	5.0	**4GBB210**	211.8	124	**3GBC144**	146.9	11.4
3GBBX55	56.8	2.7	**3GBBX78**	79.8	3.6	**4GBBX108**	109.8	6.6	**2GBB240**	240.3	7.0	**4GBC144**	146.9	15.2
2GBBX56	57.8	1.8	**4GBBX78**	79.8	4.8	**2GBBX112**	113.8	3.4	**3GBB240**	240.3	10.5	**2GBC158**	160.9	8.2
3GBBX56	57.8	2.7	**3GBBX79**	80.8	3.6	**3GBBX112**	113.8	5.1	**4GBB240**	240.3	14.0	**3GBC158**	160.9	12.3
4GBBX56	57.8	3.6	**2GBBX80**	81.8	2.4	**4GBBX112**	113.8	6.8	**2GBCX75**	77.9	4.0	**4GBC158**	160.9	16.4
5GBBX56	57.8	4.5	**3GBBX80**	81.8	3.6	**4GBBX128**	129.8	7.8	**3GBCX75**	77.9	6.0	**2GBC162**	164.9	8.4
3GBBX58	59.8	2.9	**4GBBX80**	81.8	4.8	**2GBBX140**	141.8	4.1	**4GBCX75**	77.9	8.0	**3GBC162**	164.9	12.6
2GBBX60	61.8	1.8	**2GBBX81**	82.8	2.5	**6GBBX144**	145.8	13.2	**2GBCX81**	83.9	4.2	**4GBC162**	164.9	16.8
3GBBX60	61.8	2.7	**3GBBX81**	82.8	3.8	**2GBB120**	121.8	3.6	**3GBCX81**	83.9	6.3	**2GBC173**	175.9	9.0
4GBBX60	61.8	3.6	**4GBBX81**	82.8	5.0	**3GBB120**	121.8	5.4	**4GBCX81**	83.9	8.4	**3GBC173**	175.9	13.5
2GBBX62	63.8	1.8	**3GBBX82**	83.8	3.8	**4GBB120**	121.8	7.2	**2GBCX85**	87.9	4.4	**4GBC173**	175.9	18.0
3GBBX62	63.8	2.7	**2GBBX83**	84.8	2.6	**2GBB124**	125.8	3.8	**3GBCX85**	87.9	6.6	**2GBC180**	182.9	9.4
4GBBX62	63.8	3.6	**3GBBX83**	84.8	3.9	**3GBB124**	125.8	5.7	**4GBCX85**	87.9	8.8	**3GBC180**	182.9	14.1
2GBBX63	64.8	2.0	**4GBBX83**	84.8	5.2	**4GBB124**	125.8	7.6	**2GBCX90**	92.9	4.8	**4GBC180**	182.9	18.8
3GBBX63	64.8	3.0	**2GBBX85**	86.8	2.7	**2GBB128**	129.8	3.9	**3GBCX90**	92.9	7.2	**2GBC195**	197.9	10.2
4GBBX63	64.8	4.0	**3GBBX85**	86.8	4.1	**3GBB128**	129.8	5.9	**4GBCX90**	92.9	9.6	**3GBC195**	197.9	15.3
2GBBX64	65.8	2.0	**4GBBX85**	86.8	5.4	**4GBB128**	129.8	7.8	**2GBCX96**	98.9	5.0	**4GBC195**	197.9	20.4
3GBBX64	65.8	3.0	**2GBBX90**	91.8	2.8	**2GBB136**	137.8	4.0	**3GBCX96**	98.9	7.5	**2GBC210**	212.9	11.0
4GBBX64	65.8	4.0	**3GBBX90**	91.8	4.2	**3GBB136**	137.8	6.0	**4GBCX96**	98.9	10.0	**3GBC210**	212.9	16.5
2GBBX65	66.8	2.0	**4GBBX90**	91.8	5.6	**4GBB136**	137.8	8.0	**2GBCX100**	102.9	5.2	**4GBC210**	212.9	22.0
3GBBX65	66.8	3.0	**5GBBX90**	91.8	7.0	**2GBB144**	145.8	4.4	**3GBCX100**	102.9	7.8	**2GBC225**	225.9	11.8
4GBBX65	66.8	4.0	**2GBBX93**	94.8	2.8	**3GBB144**	145.8	6.6	**4GBCX100**	102.9	10.4	**3GBC225**	225.9	17.7
2GBBX66	67.8	2.0	**3GBBX93**	94.8	4.2	**4GBB144**	145.8	8.8	**2GBCX105**	107.9	5.6	**4GBC225**	225.9	23.6
3GBBX66	67.8	3.0	**4GBBX93**	94.8	5.6	**2GBB158**	159.8	4.8	**3GBCX105**	107.9	8.4	**2GBC240**	240.9	12.6
4GBBX66	67.8	4.0	**2GBBX95**	96.8	2.9	**3GBB158**	159.8	7.2	**4GBCX105**	107.9	11.2	**3GBC240**	240.9	18.9
2GBBX67	68.8	2.0	**3GBBX95**	96.8	4.4	**4GBB158**	159.8	9.6	**2GBCX112**	114.9	5.8	**4GBC240**	240.9	25.2
3GBBX67	68.8	3.0	**4GBBX95**	96.8	5.8	**2GBB162**	163.8	5.0	**3GBCX112**	114.9	8.7	**2GBC255**	255.9	11.8
2GBBX68	69.8	2.1	**2GBBX97**	98.8	3.0	**3GBB162**	163.8	7.5	**4GBCX112**	114.9	11.6	**3GBC255**	255.9	17.7
3GBBX68	69.8	3.1	**3GBBX97**	98.8	4.5	**4GBB162**	163.8	10.0	**4GBCX225**	225.9	23.6	**4GBC255**	255.9	23.6
4GBBX68	69.8	4.2	**4GBBX97**	98.8	6.0	**2GBB173**	174.8	5.2	**4GBCX240**	240.9	25.2	**2GBC270**	270.9	14.0
2GBBX70	71.8	2.2	**2GBBX100**	101.8	3.0	**3GBB173**	174.8	7.8	**4GBCX255**	255.9	26.3	**3GBC270**	270.9	21.0
3GBBX70	71.8	3.3	**3GBBX100**	101.8	4.5	**4GBB173**	174.8	10.4	**4GBCX270**	270.9	28.0	**4GBC270**	270.9	28.0
4GBBX70	71.8	4.4	**4GBBX100**	101.8	6.0	**2GBB080**	181.8	5.4	**4GBCX300**	300.9	31.2	**2GBC300**	300.9	15.6
2GBBX71	72.8	2.2	**2GBBX103**	104.8	3.1	**3GBB180**	181.8	8.1	**2GBC120**	122.9	6.2	**3GBC300**	300.9	23.4
3GBBX71	72.8	3.3	**3GBBX103**	104.8	4.7	**4GBB180**	181.8	10.8	**3GBC120**	122.9	9.3	**4GBC300**	300.9	31.2
4GBBX71	72.8	4.4	**4GBBX103**	104.8	6.2	**2GBB195**	196.8"	5.8	**4GBC120**	122.9"	12.4			
2GBBX75	76.8	2.3	**2GBBX105**	106.8	3.2	**3GBB195**	196.8	8.7	**2GBC128**	130.9	6.8			
3GBBX75	76.8	3.5	**3GBBX105**	106.8	4.8	**4GBB195**	196.8	11.6	**3GBC128**	130.9	9.6			

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

Horsepower ratings for "X" Gripband belts are the same as appropriate number of Gripnotch® Belts; others same as Super Gripbelt® belts.

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

For complete catalog dimensions see eCatalog at www.emerson-ept.com

Double V Gripbelt® Belts

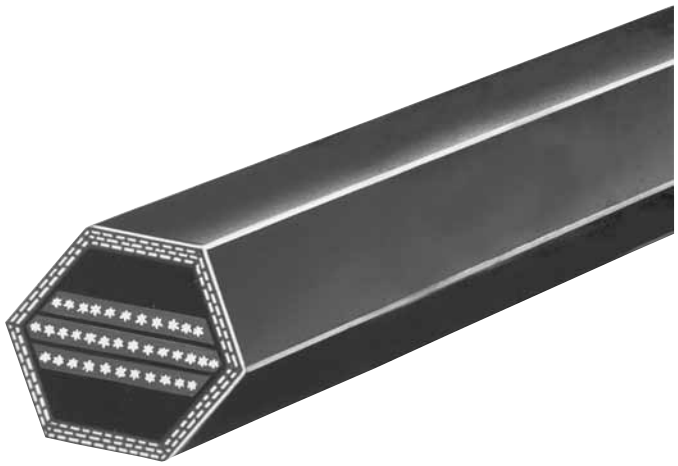


Table No. 1

Belt No.	Length		Wt. Lbs.	Belt No.	Length		Wt. Lbs.	Belt No.	Length		Wt. Lbs.	Belt No.	Length		Wt. Lbs.
	Outside	Pitch			Outside	Pitch			Outside	Pitch			Outside	Pitch	
AA51	54.5”	53.1”	.5	**BB83**	87.7”	85.9”	1.2	**BB144**	148.7”	146.9”	2.2	**CC120**	126.2”	124.2”	2.9
AA55	58.5	57.1	.5	**BB85**	89.7	87.9	1.2	**BB155**	159.7	157.9	2.3	**CC128**	134.2	132.2	3.1
AA60	63.5	62.1	.6	**BB90**	94.7	92.9	1.3	**BB158**	162.7	160.9	2.5	**CC136**	142.2	140.2	3.3
AA68	71.5	70.1	.6	**BB93**	97.7	95.9	1.3	**BB173**	177.7	175.9	2.6	**CC144**	150.2	148.2	3.5
AA75	78.5	77.1	.7	**BB94**	98.7	96.9	1.4	**BB180**	184.7	182.9	2.8	**CC158**	164.2	162.2	3.9
AA80	83.5	82.1	.8	**BB97**	101.7	99.9	1.4	**BB182**	186.7	184.9	2.8	**CC162**	168.2	166.2	3.9
AA85	88.5	87.1	.8	**BB103**	107.7	105.9	1.5	**BB190**	194.7	192.9	2.9	**CC173**	179.2	177.2	4.2
AA90	93.5	92.1	.9	**BB105**	109.7	107.9	1.5	**BB195**	199.7	197.9	2.9	**CC180**	186.2	184.2	4.4
AA96	99.5	98.1	1.0	**BB107**	111.7	109.9	1.6	**BB210**	214.7	212.9	3.1	**CC195**	201.2	199.2	4.8
AA105	108.5	107.1	1.0	**BB108**	112.7	110.9	1.6	**BB226**	229.2	227.4	3.4	**CC210**	216.2	214.2	5.3
AA112	115.5	114.1	1.1	**BB111**	115.7	113.9	1.7	**BB228**	231.2	229.4	3.4	**CC240**	242.2	242.2	5.6
AA120	123.5	122.1	1.2	**BB112**	116.7	114.9	1.5	**BB240**	243.2	241.4	3.6	**CC270**	274.2	272.2	6.5
AA128	131.5	130.1	1.2	**BB116**	120.7	118.9	1.8	**BB270**	273.2	271.4	4.0	**CC300**	304.2	302.2	7.6
BB45	49.7	47.9	.6	**BB117**	121.7	119.9	1.8	**BB273**	276.2	274.4	4.1	**CC330**	334.2	332.2	7.5
BB54	58.7	56.9	.8	**BB118**	122.7	120.9	1.8	**BB300**	303.2	301.4	4.6	**CC360**	364.2	362.2	8.1
BB55	59.7	57.9	.8	**BB120**	124.7	122.9	1.8	**CC75**	81.2	79.2	1.8	**▲CC360DC**	364.2	362.2	8.1
BB60	64.7	62.9	.9	**BB123**	127.7	125.9	1.9	**CC85**	91.2	89.2	1.9	**▲CC480DC**	484.2	480.9	14.3
BB68	72.7	70.9	.9	**BB124**	128.7	126.9	1.9	**CC90**	96.2	94.2	2.0	**▲CC540DC**	544.2	540.9	17.5
BB74	78.7	76.9	1.0	**BB128**	132.7	130.9	1.9	**CC96**	102.2	100.2	2.1	**▲CC700DC**	704.2	700.9	21.5
BB75	79.7	77.9	1.0	**BB129**	133.7	131.9	2.0	**CC105**	111.2	109.2	2.3	**▲CC720DC**	724.2	720.9	23.0
BB81	85.7	83.9	1.1	**BB136**	140.7	138.9	2.1	**CC112**	118.2	116.2	2.6				

▲ Deep-cog construction.

2L120 - 5L1000

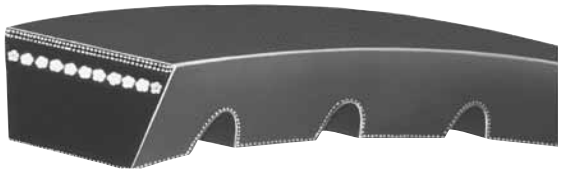
FHP Belts

- **Wrapped construction provides smooth, quiet operation.**
- **Formulated for maximum flexibility with smaller diameter sheaves.**
- **Oil and heat resistant - static conducting.**

Table No. 1 **Stock Sizes**

Belt No.	Length		Wt. Lbs.	Belt No.	Length		Wt. Lbs.	Belt No.	Length		Wt. Lbs.	Belt No.	Length		Wt. Lbs.
	Outside	Pitch			Outside	Pitch			Outside	Pitch			Outside	Pitch	
2L120	12”	11.6”	.03	**3L560**	56”	55.3	.18	**4L650**	.65”	64.0”	.38	**5L450**	45”	43.8”	.38
2L140	14	13.6	.04	**3L570**	57	56.3	.18	**4L660**	66	65.0	.38	**5L460**	46	44.8	.44
2L150	15	14.6	.04	**3L580**	58	57.3	.18	**4L670**	67	66.0	.38	**5L470**	47	45.8	.44
2L160	16	15.6	.04	**3L590**	59	58.3	.19	**4L680**	68	67.0	.38	**5L480**	48	46.8	.44
2L180	18	17.6	.05	**3L600**	60	59.3	.19	**4L690**	69	68.0	.38	**5L490**	49	47.8	.50
2L200	20	19.6	.06	**3L610**	61	60.3	.19	**4L700**	70	69.0	.38	**5L500**	50	48.8	.50
2L220	22	21.6	.06	**3L620**	62	61.3	.19	**4L710**	71	70.0	.38	**5L510**	51	49.8	.50
2L240	24	23.6	.07	**3L630**	63	62.3	.20	**4L720**	72	71.0	.38	**5L520**	52	50.8	.50
2L285	28 1/2	28.1	.07	**4L170**	17	16.0	.10	**4L730**	73	72.0	.38	**5L530**	53	51.8	.50
2L300	30	29.6	.08	**4L180**	18	17.0	.10	**4L740**	74	73.0	.38	**5L540**	54	52.8	.50
2L310	31	30.6	.08	**4L190**	19	18.0	.11	**4L750**	75	74.0	.44	**5L550**	55	53.8	.50
2L320	32	31.6	.09	**4L200**	20	19.0	.11	**4L760**	76	75.0	.44	**5L560**	56	54.8	.50
2L325	32 1/2	32.1	.09	**4L210**	21	20.0	.12	**4L770**	77	76.0	.44	**5L570**	57	55.8	.50
2L345	34 1/2	34.1	.09	**4L220**	22	21.0	.12	**4L780**	78	77.0	.44	**5L580**	58	56.8	.50
3L120	12	11.3	.04	**4L225**	22 1/2	21.5	.13	**4L790**	79	78.0	.44	**5L590**	59	57.8	.50
3L130	13	12.3	.04	**4L230**	23	22.0	.13	**4L800**	80	79.0	.44	**5L600**	60	58.8	.56
3L140	14	13.3	.05	**4L240**	24	23.0	.13	**4L810**	81	80.0	.44	**5L610**	61	59.8	.56
3L150	15	14.3	.05	**4L250**	25	24.0	.13	**4L820**	82	81.0	.44	**5L620**	62	60.8	.56
3L160	16	15.3	.05	**4L260**	26	25.0	.13	**4L830**	83	82.0	.44	**5L630**	63	61.8	.56
3L170	17	16.3	.05	**4L270**	27	26.0	.13	**4L840**	84	83.0	.44	**5L640**	64	62.8	.63
3L180	18	17.3	.06	**4L280**	28	27.0	.13	**4L850**	85	84.0	.50	**5L650**	65	63.8	.63
3L190	19	18.3	.06	**4L290**	29	28.0	.13	**4L860**	86	85.0	.50	**5L660**	66	64.8	.63
3L200	20	19.3	.06	**4L300**	30	29.0	.13	**4L870**	87	86.0	.50	**5L670**	67	65.8	.63
3L210	21	20.3	.07	**4L310**	31	30.0	.19	**4L880**	88	87.0	.50	**5L680**	68	66.8	.63
3L220	22	21.3	.07	**4L320**	32	31.0	.19	**4L890**	89	88.0	.50	**5L690**	69	67.8	.63
3L230	23	22.3	.07	**4L330**	33	32.0	.19	**4L900**	90	89.0	.50	**5L700**	70	68.8	.69
3L240	24	23.3	.08	**4L340**	34	33.0	.19	**4L910**	91	90.0	.50	**5L710**	71	69.8	.69
3L250	25	24.3	.08	**4L350**	35	34.0	.19	**4L920**	92	91.0	.50	**5L720**	72	70.8	.69
3L260	26	25.3	.08	**4L360**	36	35.0	.19	**4L930**	93	92.0	.50	**5L730**	73	71.8	.69
3L270	27	26.3	.08	**4L370**	37	36.0	.19	**4L940**	94	93.0	.50	**5L740**	74	72.8	.69
3L280	28	27.3	.09	**4L380**	38	37.0	.19	**4L950**	95	94.0	.50	**5L750**	75	73.8	.69
3L290	29	28.3	.09	**4L390**	39	38.0	.25	**4L960**	96	95.0	.50	**5L760**	76	74.8	.69
3L300	30	29.3	.09	**4L400**	40	39.0	.25	**4L970**	97	96.0	.50	**5L770**	77	75.8	.69
3L310	31	30.3	.10	**4L410**	41	40.0	.25	**4L980**	98	97.0	.56	**5L780**	78	76.8	.75
3L320	32	31.3	.10	**4L415**	41 1/2	40.5	.25	**4L990**	99	98.0	.56	**5L790**	79	77.8	.75
3L330	33	32.3	.10	**4L420**	42	41.0	.25	**4L1000**	100	99.0	.56	**5L800**	80	78.8	.75
3L340	34	33.3	.11	**4L430**	43	42.0	.25	**5L230**	23	21.8	.19	**5L810**	81	79.8	.75
3L350	35	34.3	.11	**4L440**	44	43.0	.25	**5L240**	24	22.8	.19	**5L820**	82	80.8	.75
3L360	36	35.3	.11	**4L450**	45	44.0	.25	**5L250**	25	23.8	.19	**5L830**	83	81.8	.75
3L370	37	36.3	.12	**4L460**	46	45.0	.25	**5L260**	26	24.8	.19	**5L840**	84	82.8	.75
3L380	38	37.3	.12	**4L470**	47	46.0	.25	**5L270**	27	25.8	.19	**5L850**	85	83.8	.81
3L390	39	38.3	.12	**4L480**	48	47.0	.25	**5L280**	28	26.8	.19	**5L860**	86	84.8	.81
3L400	40	39.3	.13	**4L490**	49	48.0	.31	**5L290**	29	27.8	.19	**5L870**	87	85.8	.81
3L410	41	40.3	.13	**4L500**	50	49.0	.31	**5L300**	30	28.8	.29	**5L880**	88	86.8	.81
3L420	42	41.3	.13	**4L510**	51	50.0	.31	**5L310**	31	29.8	.25	**5L890**	89	87.8	.81
3L430	43	42.3	.13	**4L520**	52	51.0	.31	**5L320**	32	30.8	.25	**5L900**	90	88.8	.81
3L440	44	43.3	.14	**4L530**	53	52.0	.31	**5L330**	33	31.8	.25	**5L910**	91	89.8	.88
3L450	45	44.3	.14	**4L540**	54	53.0	.31	**5L340**	34	32.8	.25	**5L920**	92	90.8	.88
3L460	46	45.3	.14	**4L550**	55	54.0	.31	**5L350**	35	33.8	.31	**5L930**	93	91.8	.88
3L470	47	46.3	.15	**4L560**	56	55.0	.31	**5L360**	36	34.8	.31	**5L940**	94	92.8	.88
3L480	48	47.3	.15	**4L570**	57	56.0	.31	**5L370**	37	35.8	.31	**5L950**	95	93.8	.88
3L490	49	48.3	.15	**4L580**	58	57.0	.31	**5L380**	38	36.8	.31	**5L960**	96	94.8	.88
3L500	50	49.3	.16	**4L590**	59	58.0	.31	**5L390**	39	37.8	.31	**5L970**	97	95.8	.88
3L510	51	50.3	.16	**4L600**	60	59.0	.31	**5L400**	40	38.8	.31	**5L980**	98	96.8	.94
3L520	52	51.3	.16	**4L610**	61	60.0	.31	**5L410**	41	39.8	.38	**5L990**	99	97.8	.94
3L530	53	52.3	.17	**4L620**	62	61.0	.31	**5L420**	42	40.8	.38	**5L1000**	100	98.8	.94
3L540	54	53.3	.17	**4L630**	63	62.0	.31	**5L430**	43	41.8	.38				
3L550	55	54.3	.18	**4L640**	64	63.0	.38	**5L440**	44	42.8	.38				

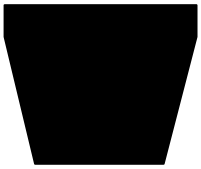
"358" Gripbelt® and Gripnotch® Belts



- Oil and heat resistant
- More horsepower in less space
- Static conducting

3V
3/8" x 5/16"

5V
5/8" x 17/32"



8V
1" x 29/32"

Table No. 1 **Specifications**

Part No.	Outside Length	Wt. Lbs.	Part No.	Outside Length	Wt. Lbs.	Part No.	Outside Length	Wt. Lbs
3VX250	25.0	.1	**5VX590**	59.0	.6	**5V2240**	224.0	2.6
3VX265	26.5	.1	**5VX600**	60.0	.7	**5V2360**	236.0	2.8
3VX280	28.0	.1	**5VX610**	61.0	.7	**5V2500**	250.0	2.9
3VX300	30.0	.1	**5VX630**	63.0	.7	**5V2650**	265.0	3.2
3VX315	31.5	.1	**5VX650**	65.0	.7	**5V2800**	280.0	3.3
3VX335	33.5	.1	**5VX660**	66.0	.8	**5V3000**	300.0	3.6
3VX355	35.5	.2	**5VX670**	67.0	.8	**5V3150**	315.0	3.9
3VX375	37.5	.2	**5VX680**	68.0	.8	**5V3350**	335.0	4.0
3VX400	40.0	.2	**5VX690**	69.0	.8	**5V3550**	355.0	4.3
3VX425	42.5	.2	**5VX710**	71.0	.8			
3VX450	45.0	.2	**5VX730**	73.0	.8	**8V1000**	100.0	3.3
3VX475	47.5	.2	**5VX740**	74.0	.8	**8V1120**	112.0	3.6
3VX500	50.0	.2	**5VX750**	75.0	.8	**8V1180**	118.0	3.8
3VX530	53.0	.2	**5VX780**	78.0	.8	**8V1250**	125.0	3.9
3VX560	56.0	.2	**5VX800**	80.0	.9	**8V1320**	132.0	4.3
3VX600	60.0	.3	**5VX810**	81.0	.9	**8V1400**	140.0	4.5
3VX630	63.0	.3	**5VX830**	83.0	.9	**8V1500**	150.0	4.8
3VX670	67.0	.3	**5VX840**	84.0	.9	**8V1600**	160.0	5.1
3VX710	71.0	.3	**5VX850**	85.0	.9	**8V1700**	170.0	5.6
3VX750	75.0	.3	**5VX860**	86.0	.9	**8V1800**	180.0	6.0
3VX800	80.0	.4	**5VX880**	88.0	.9	**8V1900**	190.0	6.3
3VX850	85.0	.4	**5VX900**	90.0	1.0	**8V2000**	200.0	6.5
3VX900	90.0	.4	**5VX930**	93.0	1.0	**8V2120**	212.0	6.9
3VX950	95.0	.4	**5VX950**	95.0	1.0	**8V2240**	224.0	7.2
3VX1000	100.0	.4	**5VX960**	96.0	1.0	**8V2360**	236.0	7.6
3VX1060	106.0	.4	**5VX1000**	100.0	1.1	**8V2500**	250.0	8.0
3VX1120	112.0	.5	**5VX1030**	103.0	1.1	**8V2650**	265.0	8.5
3VX1180	118.0	.5	**5VX1060**	106.0	1.2	**8V2800**	280.0	8.9
3VX1250	125.0	.6	**5VX1080**	108.0	1.2	**8V3000**	300.0	9.6
3VX1320	132.0	.6	**5VX1120**	112.0	1.3	**8V3150**	315.0	10.3
3VX1400	140.0	.6	**5VX1150**	115.0	1.3	**8V3350**	335.0	11.4
			5VX1180	118.0	1.4	**8V3550**	355.0	12.4
5VX450	45.0	.4	**5VX1230**	123.0	1.4	**8V4000**	400.0	13.0
5VX470	47.0	.5	**5VX1250**	125.0	1.4	**8V4500**	450.0	14.4
5VX490	49.0	.5	**5VX1320**	132.0	1.5			
5VX500	50.0	.6	**5VX1400**	140.0	1.6			
5VX510	51.0	.6	**5VX1500**	150.0	1.8			
5VX530	53.0	.6	**5VX1600**	160.0	1.8			
5VX540	54.0	.6	**5VX1700**	170.0	2.0			
5VX550	55.0	.6	**5VX1800**	180.0	2.1			
5VX560	56.0	.6	**5VX1900**	190.0	2.3			
5VX570	57.0	.6	**5VX2000**	200.0	2.4			
5VX580	58.0	.6	**5V2120**	212.0	2.4			

2GB3VX450 - 4GB5V3000

“358” Gripband Belts

Multiple V-Belts in Single Unit Construction

- Oil and heat resistant
- Ideal for pulsating loads and long centers

Table No. 1 **Stock Sizes**

Part No.	Outside Length	Wt. Lbs.	Part No.	Outside Length	Wt. Lbs.	Part No.	Outside Length	Wt. Lbs	Part No.	Outside Length	Wt. Lbs.	Part No.	Outside Length	Wt. Lbs
2GB3VX450	45.0	.6	**3GB3VX800**	80.0	1.5	**4GB3V1400▲**	140.0	3.6	**4GB5VX1120**	112.0	7.2	**3GB5V1800**	180.0	9.0
3GB3VX450	45.0	.9	**4GB3VX800**	80.0	2.0	**2GB5VX670**	67.0	2.2	**4GB5VX1180**	118.0	7.6	**4GB5V1800**	180.0	12.0
4GB3VX450	45.0	1.2	**2GB3VX850**	85.0	1.2	**3GB5VX670**	67.0	3.3	**6GB5VX1230**	123.0	10.0	**2GB5V1900**	190.0	6.4
2GB3VX475	47.5	.6	**3GB3VX850**	85.0	1.8	**4GB5VX670**	67.0	4.4	**3GB3VX1250**	125.0	2.4	**3GB5V1900**	190.0	9.6
3GB3VX475	47.5	.9	**4GB3VX850**	85.0	2.4	**2GB5VX710**	71.0	2.4	**3GB5VX1250**	125.0	6.0	**4GB5V1900**	190.0	12.8
4GB3VX475	47.5	1.2	**2GB3VX900**	90.0	1.2	**3GB5VX710**	71.0	3.6	**5GB5VX1600**	160.0	12.5	**2GB5V2000**	200.0	6.6
2GB3VX500	50.0	.6	**3GB3VX900**	90.0	1.8	**4GB5VX710**	71.0	4.8	**2GB5V1180**	118.0	3.8	**3GB5V2000**	200.0	9.9
3GB3VX500	50.0	.9	**4GB3VX900**	90.0	2.4	**2GB5VX750**	75.0	2.6	**3GB5V1180**	118.0	5.7	**4GB5V2000**	200.0	13.2
4GB3VX500	50.0	1.2	**2GB3VX950**	95.0	1.2	**3GB5VX750**	75.0	3.9	**4GB5V1180**	118.0	7.6	**2GB5V2120**	212.0	7.0
2GB3VX530	53.0	.8	**3GB3VX950**	95.0	1.8	**4GB5VX750**	75.0	5.2	**2GB5V1250**	125.0	4.0	**3GB5V2120**	212.0	10.5
3GB3VX530	53.0	1.2	**4GB3VX950**	95.0	2.4	**2GB5VX800**	80.0	2.6	**3GB5V1250**	125.0	6.0	**4GB5V2120**	212.0	14.0
4GB3VX530	53.0	1.6	**2GB3VX1000**	100.0	1.4	**3GB5VX800**	80.0	3.9	**4GB5V1250**	125.0	8.0	**2GB5V2240**	224.0	7.6
2GB3VX560	56.0	.8	**3GB3VX1000**	100.0	2.1	**4GB5VX800**	80.0	5.2	**5GB5V1250**	125.0	10.0	**3GB5V2240**	224.0	11.4
3GB3VX560	53.0	1.2	**4GB3VX1000**	100.0	2.8	**4GB5VX850**	85.0	5.6	**2GB5V1320**	132.0	4.0	**4GB5V2240**	224.0	15.2
4GB3VX560	56.0	1.6	**2GB3VX1060**	106.0	1.4	**2GB5VX900**	90.0	3.0	**3GB5V1320**	132.0	6.0	**4GB5V2360**	236.0	16.0
2GB3VX600	60.0	.8	**3GB3VX1060**	106.0	2.1	**3GB5VX900**	90.0	4.5	**4GB5V1320**	132.0	8.0	**2GB5V2500**	250.0	8.4
3GB3VX600	60.0	1.2	**4GB3VX1060**	106.0	2.8	**4GB5VX900**	90.0	6.0	**2GB5V1400**	140.0	4.4	**3GB5V2500**	250.0	12.6
4GB3VX600	60.0	1.6	**2GB3VX1120**	112.0	1.4	**2GB5VX950**	95.0	3.0	**3GB5V1400**	140.0	6.6	**4GB5V2500**	250.0	16.8
2GB3VX630	63.0	.8	**3GB3VX1120**	112.0	2.1	**3GB5VX950**	95.0	4.5	**4GB5V1400**	140.0	8.8	**2GB5V2650**	265.0	8.6
3GB3VX630	63.0	1.2	**4GB3VX1120**	112.0	2.8	**4GB5VX950**	95.0	6.0	**2GB5V1500**	150.0	4.6	**3GB5V2650**	265.0	12.9
4GB3VX630	63.0	1.6	**2GB3V1180▲**	118.0	1.6	**2GB5VX1000**	100.0	3.2	**3GB5V1500**	150.0	6.9	**4GB5V2650**	265.0	17.2
2GB3VX670	67.0	.8	**3GB3V1180▲**	118.0	2.4	**3GB5VX1000**	100.0	4.8	**4GB5V1500**	150.0	9.2	**2GB5V2800**	280.0	9.0
3GB3VX670	67.0	1.2	**4GB3V1180▲**	118.0	3.2	**4GB5VX1000**	100.0	6.4	**5GB5V1500**	150.0	11.5	**3GB5V2800**	280.0	13.5
4GB3VX670	67.0	1.6	**2GB3V1250▲**	125.0	1.6	**2GB5VX1000**	106.0	3.4	**2GB5V1600**	160.0	5.0	**4GB5V2800**	280.0	18.0
2GB3VX710	71.0	1.0	**3GB3V1250▲**	125.0	2.4	**3GB5VX1000**	106.0	5.1	**3GB5V1600**	160.0	7.5	**2GB5V3000**	300.0	10.0
3GB3VX710	71.0	1.5	**4GB3V1250▲**	125.0	3.2	**2GB5VX1060**	106.0	3.4	**4GB5V1600**	160.0	10.0	**3GB5V3000**	300.0	15.0
4GB3VX710	71.0	2.0	**2GB3V1320▲**	132.0	1.8	**3GB5VX1060**	106.0	5.1	**2GB5V1700**	170.0	5.6	**4GB5V3000**	300.0	20.0
2GB3VX750	75.0	1.0	**3GB3V1320▲**	132.0	2.7	**4GB5VX1060**	106.0	6.8	**3GB5V1700**	170.0	8.4			
3GB3VX750	75.0	1.5	**4GB3V1320▲**	132.0	3.6	**5GB5VX1060**	106.0	8.5	**4GB5V1700**	170.0	11.2			
4GB3VX750	75.0	2.0	**2GB3V1400▲**	140.0	1.8	**2GB5VX1120**	112.0	3.6	**5GB5V1700**	170.0	14.0			
2GB3VX800	80.0	1.0	**3GB3V1400▲**	140.0	2.7	**3GB5VX1120**	112.0	5.4	**2GB5V1800**	180.0	6.0			

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

Horsepower ratings for “X” Gripband belts are the same as appropriate number of Gripnotch® Belts; others same as Super Gripbelt® belts except “3V” Gripband belts marked (▲) are rated at 80% of “3VX” Gripnotch ratings.

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

For complete catalog dimensions see eCatalog at www.emerson-ept.com

3LP Griptwist - BP Griptwist

Premium Griptwist Belt

Adjustable to any length... Ideal for center drives, vibration suppression and hostile environments.
Available in infinite sizes…Convenient 5' sections, bulk 100' coils, or cut by the foot to customer specified length.

GRIPTWIST

Higher Capacity
You don't need to compromise when you install Premium Griptwist® belt, because this belt has remarkable strength and durability. In fact, Premium Griptwist belts deliver higher horsepower than any other link-type V-belt.

Easy Installation
Premium Griptwist belts can be assembled to any length required in a matter of seconds, with just a twist of the wrist. No special tools required. No need to dismantle machinery.

Perfect for Emergency Replacement
Premium Griptwist belt minimizes production downtime because it assembles and installs immediately for any length required. A supply of Premium Griptwist belts is positive insurance that you'll never be without the exact belt length you need.

Vibration Free
Premium Griptwist belts have no equal in suppressing troublesome vibration. Because of their extremely close tolerances, they create and transmit up to 90% less vibration than classical endless V-belts.

Low Stretch
Premium Griptwist belt's twist-lock design locks the belt links tightly to the length desired. Combined with the 100% urethane/polyester construction, this produces a belt with less than half the stretch of other link-type belts.

Less Inventory
Premium Griptwist belts are available in standard 3L, A/4L and B/5L cross sections, replacing both standard and fractional horsepower V-belt inventory.

Lower Drive Tensions
The Premium Griptwist belt's raw-edge cog construction allows lower drive tensions, extending both belt and bearing life.

Cooler Running
The cross-link construction of Premium Griptwist belts dissipates heat rapidly, virtually eliminating heat buildup and fatigue.

Superior Design and Materials
Premium Griptwist belt's durability and versatility lies in simplicity of design combined with high-strength urethane elastomer reinforced with multiple plies of polyester fabric. This results in an incredibly strong yet flexible belt, providing consistently high performance.

Oil, Water, Chemical and Heat Resistant
Premium Griptwist belt's rugged construction withstands temperatures from 0° to 250°F...provides excellent resistance to water, oils and many industrial chemicals

Table No. 1

Premium Griptwist Belt		
Product Name	**100 Foot Part Number**	**5 Foot Part Number**
3LP Griptwist	3LP GRIPTWIST 100FT	3LP GRIPTWIST 5FT
AP Griptwist	AP GRIPTWIST 100FT	AP GRIPTWIST 5FT
BP Griptwist	BP GRIPTWIST 100FT	BP GRIPTWIST 5FT

Griproll Belts and Accessories

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

Table No. 1 Stock Griproll - Regular and Oil Resistant

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

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

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

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

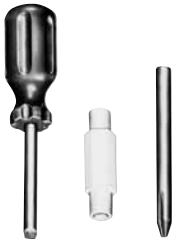
Do not use Griproll Belts at speeds exceeding 3500 feet per minute.

Do not use Griproll Belts on quarter-turn drives.

Do not use Griproll Fasteners to repair broken endless belts.

Fasteners and Application Tools for Browning Griproll Belts

Fasteners



Rocker Pin Tools

Table No. 2 Application Tools

Fastener	Applicator	Blade Only	Piercing Tools	Rocker Pin Tools	Holder
A-312	-	-	-	-	**A-31255**
B-437	-	-	**B-43760**	**B-43740**	**B-43755**
C-531	-	-	**C-62560**	**C-62540**	**C-53155**
C-750	-	-	**D-75060**	**D-62540**	-

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

For complete catalog dimensions see eCatalog at www.emerson-ept.com

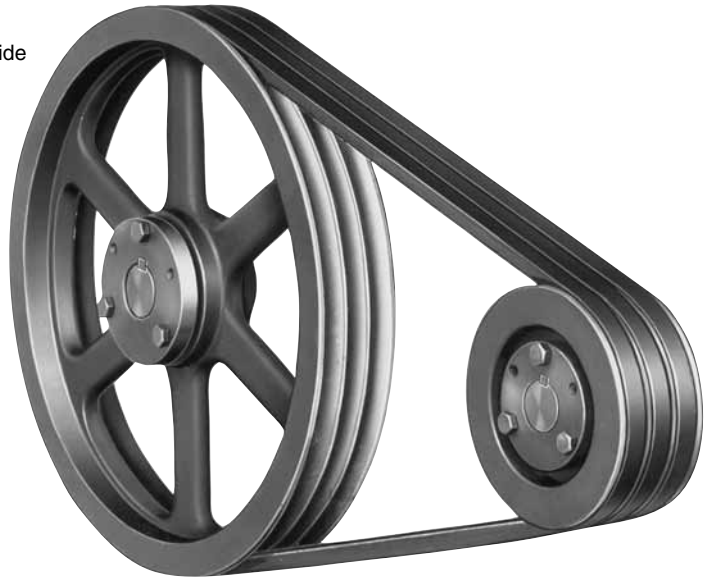
V-Drives

World's Largest Selection of V-Belts, Sheaves and Bushings...

Browning offers the most extensive V-drive line available anywhere, which means maximum economy, versatility and prompt availability for your every application...truly the *right* drive every time!

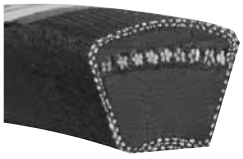
When you specify Browning, you select from the broadest range of V-drive ratios and centers in the world—more than double the selection available from any other source.

- Over 2100 stock sizes in multiple groove sheaves, far more than any other manufacturer.
- Full range of sizes in *two* bushing types: the popular Browning Split Taper®. Choose the replaceable bushing that best suits the application—*no other manufacturer offers this choice*.
- Variable speed sheaves through 750 hp, precision balanced to provide smooth vibration-free performance.
- "358" sheaves stocked in a range of fixed and variable pitch sizes
- All types of belting—classical, "358", Gearbelt®, Poly-V*, Gripnotch® and premium Griptwist® belts.
- Automated computer software program, EPT Edge automated computer software program generates V-drive selections in seconds.



Vortex™ variable speed sheave

MVP® variable speed sheave



Super Gripbelt®

Multiple sheave

B5V® sheave

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

Classical Gripbelt Sheaves® - Bushing Type

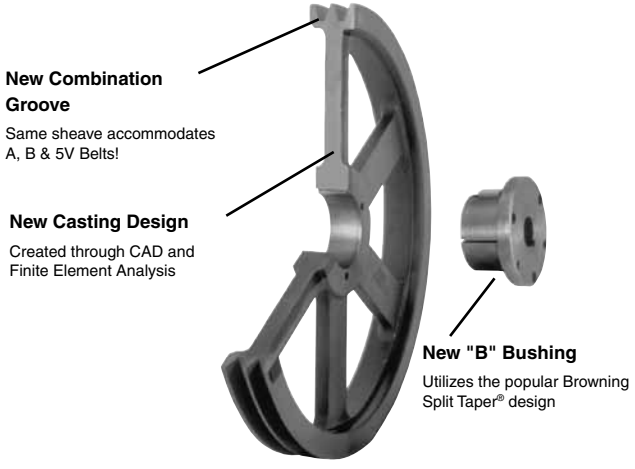
Belt Size	Type		Number of Grooves								
			1	2	3	4	5	6	7, 8	10	12
A	AKH	DD	2.8-18.0	2.8-18.0							
		Bore	1/2"-1 1/2"	1/2"-1 1/2"							
	AK	DD	1.8-18.0	1.8-18.0							
		Bore*	3/8-1 7/16	1/2-1 7/16							
A-B	BKH	DD	2.8-18.4	3.0-18.4							
		Bore	1/2-1 1/2	1/2-1 1/2							
	BK	DD	2.2-18.4	2.3-18.4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

*AK and BK are finished bore type

"358" Gripbelt Sheaves

Belt Size	Type		Number of Grooves								
			1	2	3	4	5	6	8	10	12,14,16
3V	Bushing Type	PD	2.60-24.95	2.60-24.95	2.60-33.45	2.60-33.45	4.70-33.45	4.70-33.45	4.70-33.45	4.70-33.45	
		Bore	3/8"-2 11/16"	3/8"-2 11/16"	3/8"-3 3/4"	3/8"-3 3/4"	1/2"-3 3/4"	3/4"-3 3/4"	1"-4 1/4"	1"-4 1/4"	
	Finished Bore	PD	2.60-3.30	2.60-3.30	2.60-3.30	2.60-3.30					
		Bore	5/8-7/8	3/4-1 1/8	7/8-1 1 /8	7/8-1 3/8					
5V	Bushing Type	PD	4.3-27.90	4.3-27.90	4.3-49.90	4.3-49.90	4.3-49.90	7.0-49.90	7.0-49.90	7.90-49.90	
		Bore	1/2-2 7/8	1/2-3 3/4	1/2-5	1/2-5	3/4-5	1-5	1-5	1 3/8-5	
8V	Bushing Type	PD				12-3-63.8	12.3-63.8	12.3-63.8	12.3-63.8	12.3-63.8	12.3-63.8
		Bore				1 11/16-5	1 11/16-5	1 11/16-5	1 7/8-7 7/16	2 3/8-7 7/16	2 71/6"-7 7/16"

Classical and "358" Gripbelt Sheaves are available in bushing types: Browning Split Taper®.



New Combination Groove

Same sheave accommodates A, B & 5V Belts!

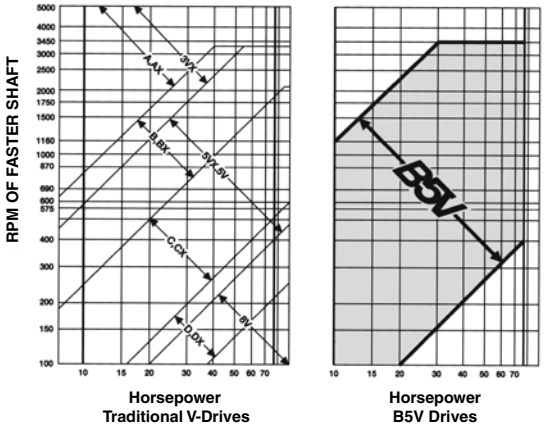
New Casting Design

Created through CAD and Finite Element Analysis

New "B" Bushing

Utilizes the popular Browning Split Taper® design

B5V® sheaves serve 90% of all 10-125 hp applications!



Horsepower Traditional V-Drives

Horsepower B5V Drives

Stock Sheave Listing

Table No. 1 — 1 Groove "A" and "B" Sheaves

Datum Diameters		*To* 10 hp								*Over* 10 hp		
"A" Belts	"B" Belts	**AS** Page 41	**AL & AM** Page 42	**AK** Page 44	**AKH** Page 45	**TA** Page 57	**BS** Page 41	**BK** Page 48	**BKH** Page 49	**B5V®** Page 54	**TB** Page 60	**Q-D®** Page 87
1.25"	-	AS15	-	-	-	-	-	-	-	-	-	-
1.5	-	AS17	-	AK17*	-	-	-	-	-	-	-	-
1.8	2.0	AS20	-	AK20*	-	-	BS24	BK24*	-	-	-	-
1.9	2.3	AS21	-	AK21*	-	-	BS25	BK25*	-	-	-	-
2.0	2.4	AS22	-	AK22*	-	-	BS26	BK26*	-	-	-	-
2.1	2.5	AS23	-	AK23*	-	-	BS27	BK27*	-	-	-	-
2.2	2.6	-	-	-	-	-	BS28	BK28*	-	-	-	-
2.3	2.7	AS25	-	AK25*	-	-	-	-	-	-	-	-
2.4	2.8	AS26	-	AK26*	-	-	BS30	BK30*	BK30H	-	-	
2.5	2.9	AS27	-	AK27*	-	-	-	-	-	-	-	
2.6	3.0	AS28	-	AK28*	-	-	BS32	BK32*	BK32H	-	-	
2.8	3.2	AS30	-	AK30*	AK30H	-	-	BK34	BK34H	-	-	
3.0	3.4	AS32	-	AK32*	AK32H	1TA30(P1)	-	BK36	BK36H	-	1TB34(P1)	1B34SH
3.2	3.6	AS34	-	AK34*	AK34H	1TA32(P1)	-	BK40	BK40H	-	1TB36(P1)	1B36SH
3.4	3.8	-	-	-	-	1TA34(P1)	-	-	-	-	1TB38(P1)	1B38SH
3.5	3.9	-	-	AK39	AK39H	-	-	BK45	BK45H	-	-	-
3.6	4.0	-	-	-	-	1TA36(P1)	-	-	-	-	1TB40(P1)	1B40SH
3.7	4.1	-	-	AK41	AK41H	-	-	BK47	BK47H	-	-	-
3.8	4.2	-	-	-	-	1TA38(P1)	-	-	-	**1B5V42(P1)**	1TB42(P1)	1B42SH
4.0	4.4	-	-	AK44	AK44H	1TA40(P1)	-	BK50	BK50H	**1B5V44(P1)**	1TB44(P1)	1B44SH
4.2	4.6	-	-	AK46	AK46H	1TA42(P1)	-	BK52	BK52H	**1B5V46(B)**	1TB46(P1)	1B46SDS
4.4	4.8	-	-	-	-	1TA44(P1)	-	-	-	**1B5V48(B)**	1TB48(P1)	1B48SDS
4.5	4.9	-	-	AK49	AK49H	-	-	BK55	BK55H	-	-	-
4.6	5.0	-	-	-	-	1TA46(P1)	-	-	-	**1B5V50(B)**	1TB50(P1)	1B0SDS
4.7	5.1	-	-	AK51	AK51H	-	-	BK57	BK57H	-	-	-
4.8	5.2	-	-	-	-	1TA48(P1)	-	-	-	**1B5V52(B)**	1TB52(P1)	1B52SDS
5.0	5.4	-	AL54*	AK54	AK54H	1TA50(P1)	-	BK60	BK60H	**1B5V54(B)**	1TB54(P1)	1B54SDS
5.2	5.6	-	-	AK56	AK56H	1TA52(P1)	-	BK62	BK62H	**1B5V56(B)**	1TB56(P1)	1B56SDS
5.4	5.8	-	-	-	-	1TA54(P1)	-	-	-	**1B5V58(B)**	1TB58(P1)	1B58SDS
5.5	5.9	-	-	AK59	AK59H	-	-	BK65	BK65H	-	-	-
5.6	6.0	-	-	-	-	1TA56(P1)	-	-	-	**1B5V60(B)**	1TB60(P1)	1B60SDS
5.7	6.1	-	-	AK61	AK61H	-	-	BK67	BK67H	-	-	-
5.8	6.2	-	-	-	-	1TA58(P1)	-	-	-	**1B5V62(B)**	1TB62(P1)	1B62SDS
6.0	6.4	-	AL64*	AK64	AK64H	1TA60(P1)	-	BK70	BK70H	**1B5V64(B)**	1TB64(P1)	1B64SDS
6.2	6.6	-	-	AK66	AK66H	1TA62(P1)	-	BK72	BK72H	**1B5V66(B)**	1TB66(B)	1B66SDS
6.4	6.8	-	-	-	-	1TA64(P1)	-	-	-	**1B5V68(B)**	1TB68(P1)	1B68SDS
6.5	6.9	-	-	AK69	AK69H	-	-	BK75	BK75H	-	-	-
6.6	7.0	-	-	-		-	-	-	-	**1B5V70(B)**	1TB70(P1)	1B70SDS
6.7	7.1	-	-	AK71	AK71H	-	-	BK77	BK77H	-	-	-
7.0	7.4	-	AL74*	AK74*	AK74H	1TA70(P1)	-	BK80	BK80H	**1B5V74(B)**	1TB74(P1)	1B74SDS
7.5	7.9	-	-	AK79*	AK79H	-	-	BK85	BK85H	-	-	-
7.6	8.0	-	-	-	-	-	-	-	-	**1B5V80(B)**	1TB80(P1)	1B80SDS
8.0	8.4	-	AL84*	AK84*	AK84H	-	-	BK90	BK90H	-	-	-
8.2	8.6	-	-	-	-	1TA82(P1)	-	-	-	**1B5V86(B)**	1TB86(P1)	1B86SDS
8.5	8.9	-	-	AK89*	AK89H	-	-	BK95	BK95H	-	-	-
8.6	9.0	-	-	-	-	-	-	-	-	**1B5V90(B)**	1TB90(P1)	-
9.0	9.4	-	AL94*	AK94*	AK94H	1TA90(P1)	-	BK100	BK100H	**1B5V94(B)**	1TB94(P1)	1B94SDS
9.5	9.9	-	-	AK99*	AK99H	-	-	BK105	BK105H	-	-	-
10.0	10.4	-	AL104*	AK104*	AK104H	-	-	BK110	BK110H	-	-	-
10.5	10.9	-	-	AK109*	AK109H	-	-	BK115	BK115H	-	-	-
10.6	11.0	-	-	-	-	1TA106(P1)	-	-	-	**1B5V110(B)**	1TB110(P1)	1B110SDS
11.0	11.4	-	AL114*	AK114*	AK114H	-	-	BK120	BK120H	-	-	-
12.0	12.4	-	AL124*	AK124*	AK124H	1TA120(Q1)	-	BK130	BK130H	**1B5V124(B)**	1TB124(Q1)	1B124SDS
13.0	13.4	-	-	AK134	AK134H	-	-	BK140	BK140H	-	-	-
13.2	13.6	-	-	-	-	-	-	-	-	**1B5V136(B)**	1TB136(Q1)	1B136SDS
14.0	14.4	-	AM144*	AK144	AK144H	-	-	-	BK150H	-	-	-
15.0	15.4	-	-	AK154	AK154H	-	-	BK160	BK160H	**1B5V154(B)**	1TB154(Q1)	-
15.6	16.0	-	-	-	-	1TA150(Q1)	-	-	-	**1B5V160(B)**	1TB160(Q1)	1B154SK
18.0	18.4	-	-	AK184	AK184H	-	-	BK190	BK190H	**1B5V184(B)**	1TB184(Q1)	1B160SK
19.5	20.0	-	-	-	-	1TA180(Q1)	-	-	-	**1B5V200(B)**	1TB200(Q1)	1B184SK
22.9	23.4	-	-	-	-	1TA195(Q1)	-	-	-	**1B5V234(B)**	-	1B200SK
24.5	25.0	-	-	-	-	-	-	-	-	**1B5V250(B)**	1TB250(Q1)	-
27.3	27.8	-	-	-	-	1TA245(Q1)	-	-	-	**1B5V278(B)**	-	-
29.5	30.0	-	-	-	-	-	-	-	-	-	1TB300(Q1)	-
37.5	38.0	-	-	-	-	-	-	-	-	-	1TB380(Q1)	-

* Do not use with Gripnotch® ("AX" or "BX) Belts.
"A" Belts will work in "B" Sheaves but "B" Belts will not work in "A" Sheaves.
Letter suffix on Part Number AKH, BKH and Q-D Sheaves indicate bushing size; bushing size is shown in parenthesis for B5V and TB Sheaves.

Discontinued

Table No. 2
Brwoning Split Taper® Bushing Bores

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

Table No. 3
Q-D® Bushing Bores

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

Stock Sheave Listing

Table No. 1 — 2 Groove "A" and "B" Sheaves

Datum Diameters		*To* 10 hp					*Over* 10 hp			
"A" Belts	"B" Belts	**AK** Page 46	**AKH** Page 47	**TA** Page 58	**BK** Page 50	**BKH** Page 51	**B5V®** Page 55	**TB** Page 61	**B** Page 64	**Q-D®** Page 87
1.8"	-	2AK20	-	-	-	-	-	-	-	-
1.9	2.3	2AK21	-	-	2BK25	-	-	-	-	-
2.0	-	2AK22	-	-	-	-	-	-	-	-
2.1	2.5	2AK23	-	-	2BK27	-	-	-	-	-
2.2	2.6	-	-	-	2BK28	-	-	-	-	-
2.3	-	2AK25K	-	-	-	-	-	-	-	-
2.4	2.8	2AK26	-	-	2BK30	-	-	-	-	-
2.5	-	2AK27	-	-	-	-	-	-	-	-
2.6	3.0	2AK28	-	-	2BK32	2BK32H	-	-	-	
2.8	3.2	2AK30	2AK30H	-	2BK34	2BK34H	-	-	-	
3.0	3.4	2AK32	2AK32H	2TA30(P1)	2BK36	2BK36H	-	2TB34(P1)	-	2B34SH
3.2	3.6	2AK34	2AK34H	2TA32(P1)	2BK40	2BK40H	-	2TB36(P1)	-	2B36SH
3.4	3.8	-	-	2TA34(P1)	-	-	-	2TB38(P1)	-	2B38SH
3.5	3.9	2AK39	2AK39H	-	2BK45	2BK45H	-	-	-	-
3.6	4.0	-	-	2TA36(P1)	-	-	-	2TB40(P1)	-	2B40SH
3.7	4.1	2AK41	2AK41H	-	2BK47	2BK47H	-	-	-	-
3.8	4.2	-	-	2TA38(P1)	-	-	**2B5V42(P1)**	2TB42(P1)	-	2B42SH
4.0	4.4	2AK44	2AK44H	2TA40(P1)	2BK50	2BK50H	**2B5V44(P1)**	2TB44(P1)	-	2B44SH
4.2	4.6	2AK46	2AK46H	2TA42(P1)	2BK52	2BK52H	**2B5V46(B)**	2TB46(P1)	-	2B46SDS
4.4	4.8	-	-	2TA44(P1)	-	-	**2B5V48(B)**	2TB48(P1)	-	2B48SDS
4.5	4.9	2AK49	2AK49H	-	2BK55	2BK55H	-	-	-	-
4.6	5.0	-	-	2TA46(P1)	-	-	**2B5V50(B)**	2TB50(P1)	-	2B50SDS
4.7	5.1	2AK51	2AK51H	-	2BK57	2BK57H	-	-	-	-
4.8	5.2	-	-	2TA48(P1)	-	-	**2B5V52(B)**	2TB52(P1)	-	2B52SDS
5.0	5.4	2AK54	2AK54H	2TA50(P1)	2BK60	2BK60H	**2B5V54(B)**	2TB54(P1)	2B54Q(Q1)	2B54SDS
5.2	5.6	2AK56	2AK56H	2TA52(P1)	2BK62	2BK62H	**2B5V56(B)**	2TB56(P1)	2B56Q(Q1)	2B56SDS
5.4	5.8	-	-	2TA54(P1)	-	-	**2B5V58(B)**	2TB58(P1)	2B58Q(Q1)	2B58SDS
5.5	5.9	2AK59	2AK59H	-	2BK65	2BK65H	-	-	-	-
5.6	6.0	-	-	2TA56(P1)	-	-	**2B5V60(B)**	2TB60(P1)	2B60Q(Q1)	2B60SDS
5.7	6.1	2AK61	2AK61H	-	2BK67	2BK67H	-	-	-	-
5.8	6.2	-	-	2TA58(P1)	-	-	**2B5V62(B)**	2TB62(P1)	2B62Q(Q1)	2B62SDS
6.0	6.4	2AK64	2AK64H	2TA60(P1)	2BK70	2BK70H	**2B5V64(B)**	2TB64(P1)	2B64Q(Q1)	2B64SDS
6.2	6.6	-	-	2TA62(P1)	-	-	**2B5V66(B)**	2TB66(P1)	2B66Q(Q1)	2B66SDS
6.4	6.8	-	-	2TA64(P1)	-	-	**2B5V68(B)**	2TB68(P1)	2B68Q(Q1)	2B68SDS
6.6	7.0	-	-	-	-	-	**2B5V70(B)**	2TB70(Q1)	-	2B70SK
7.0	7.4	2AK74	2AK74H	2TA70(Q1)	2BK80	2BK80H	**2B5V74(B)**	2TB74(Q1)	-	2B74SK
7.6	8.0	-	-	-	-	-	**2B5V80(B)**	2TB80(Q1)	-	2B80SK
8.0	8.4	2AK84	2AK84H	-	2BK90	2BK90H	-	-	-	-
8.2	8.6	-	-	2TA82(Q1)	-	-	**2B5V86(B)**	2TB86(Q1)	-	2B86SK
8.6	9.0	-	-	-	-	-	**2B5V90(B)**	2TB90(Q1)	-	-
9.0	9.4	2AK94	2AK94H	2TA90(Q1)	2BK100	2BK100H	**2B5V94(B)**	2TB94(Q1)	-	2B94SK
10.0	10.4	2AK104	2AK104H	-	2BK110	2BK110H	-	-	-	-
10.6	11.0	-	-	2TA106(Q1)	-	-	**2B5V110(B)**	2TB110(Q1)	-	2B110SK
11.0	11.4	2AK114	2AK114H	-	2BK120	2BK120H	-	-	-	-
12.0	12.4	2AK124	2AK124H	2TA120(Q1)	2BK130	2BK130H	**2B5V124(B)**	2TB124(Q1)	-	2B124SK
13.0	13.4	2AK134	2AK134H	-	2BK140	2BK140H	-	-	-	-
13.2	13.6	-	-	-	-	-	**2B5V136(B)**	2TB136(Q1)	-	2B136SK
14.0	-	2AK144	2AK144H	-	-	-	-	-	-	-
15.0	15.4	2AK154	2AK154H	2TA150(Q1)	2BK160	2BK160H	**2B5V154(B)**	2TB154(Q1)	2B154R(R1)	2B154SK
15.6	16.0	-	-	-	-	-	**2B5V160(B)**	2TB160(Q1)	2B160R(R1)	2B160SK
18.0	18.4	2AK184	2AK184H	2TA180(Q1)	2BK190	2BK190H	**2B5V184(B)**	2TB184(Q1)	2B184R(R1)	2B184SK
19.5	20.0	-	-	2TA195(Q1)	-	-	**2B5V200(B)**	2TB200(Q1)	2B200R(R1)	2B200SF
22.9	23.4	-	-	-	-	-	**2B5V234(B)**	-	-	-
24.5	25.0	-	-	2TA245(Q1)	-	-	**2B5V250(B)**	2TB250(Q1)	2B250R(R1)	2B250SF
27.3	27.8	-	-	-	-	-	**2B5V278(B)**	-	-	-
29.5	30.0	-	-	-	-	-	-	2TB300(Q1)	2B300R(R1)	2B300SF
37.5	38.0	-	-	-	-	-	-	2TB380(Q1)	2B380R(R1)	2B380SF

Sheaves shown use "A" and "B" Belts.
"TB" and "B" Sheaves cannot be used with "5V" Sheaves.
Letter suffix on Part Number 2AKH, 2BKH and Q-D Sheaves indicate bushing size; bushing size is shown in parenthesis for B5V®, TB and B Sheaves.

Discontinued

Table No. 2
Browning Split Taper® Bushing Bores

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

Table No. 3
Q-D® Bushing Bores

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

For complete catalog dimensions see eCatalog at www.emerson-ept.com

Stock Sheave Listing

Table No. 1 — 3 Groove "A" and "B" Sheaves

Datum Diameters		To 10 hp			Over 10 hp			
"A" Belts	"B" Belts	**TA** Page 59	**3BK** Page 52	**3BKH** Page 53	**B5V®** Page 55	**TB** Page 61	**B** Page 64	**Q-D®** Page 88
1.9"	2.3"	-	3BK25	-	-	-	-	-
2.1	2.5	-	3BK27	-	-	-	-	-
2.2	2.6	-	3BK28	-	-	-	-	-
2.4	2.6	-	3BK30	-	-	-	-	-
2.6	3.0	-	3BK32	-	-	-	-	-
2.8	3.2	-	3BK34	-	-	-	-	-
3.0	3.4	3TA30(P1)	3BK36	-	-	3TB34(P2)	-	3B34SH
3.2	3.6	3TA32(P1)	3BK40	-	-	3TB36(P2)	-	3B36SH
3.4	3.8	3TA34(P1)	-	-	-	3TB38(P1)	-	3B38SH
3.5	3.9	-	-	3BK45H	-	-	-	-
3.6	4.0	3TA36(P1)	-	-	-	3TB40(P1)	-	3B40SH
3.7	4.1	-	-	3BK47H	-	-	-	-
3.8	4.2	3TA38(P1)	-	-	**3B5V42(P1)**	3TB42(P1)	-	3B42SH
4.0	4.4	3TA40(P1)	-	3BK50H	**3B5V44(P1)**	3TB44(P1)	-	3B44SH
4.2	4.6	3TA42(P1)	-	3BK52H	**3B5V46(B)**	3TB46(P1)	-	3B46SD
4.4	4.8	3TA44(P1)	-	-	**3B5V48(B)**	3TB48(P1)	-	3B48SD
4.5	4.9	-	-	3BK55H	-	-	-	-
4.6	5.0	3TA46(P1)	-	-	**3B5V50(B)**	3TB50(P1)	-	3B50SD
4.7	5.1	-	-	3BK57H	-	-	-	-
4.8	5.2	3TA48(P1)	-	-	**3B5V52(B)**	3TB52(P1)	-	3B52SD
5.0	5.4	3TA50(P1)	-	3BK60H	**3B5V54(B)**	3TB54(P1)	3B54Q(Q1)	3B54SD
5.2	5.6	3TA52(P1)	-	3BK62H	**3B5V56(B)**	3TB56(P1)	3B56Q(Q1)	3B56SD
5.4	5.8	3TA54(P1)	-	-	**3B5V58(B)**	3TB58(P1)	3B58Q(Q1)	3B58SD
5.5	5.9	-	-	3BK65H	-	-	-	-
5.6	6.0	3TA56(P1)	-	-	**3B5V60(B)**	3TB60(P1)	3B60Q(Q1)	3B60SD
5.7	6.1	-	-	3BK67H	-	-	-	-
5.8	6.2	3TA58(P1)	-	-	**3B5V62(B)**	3TB62(P1)	3B62Q(Q1)	3B62SD
6.0	6.4	3TA60(P1)	-	3BK70H	**3B5V64(B)**	3TB64(P1)	3B64Q(Q1)	3B64SD
6.2	6.6	3TA62(P1)	-	-	**3B5V66(B)**	3TB66(P1)	3B66Q(Q1)	3B66SD
6.4	6.8	3TA64(P1)	-	-	**3B5V68(B0**	3TB68(P1)	3B68Q(Q1)	3B68SD
6.6	7.0	-	-	-	**3B5V70(B)**	3TB70(Q1)	-	3B70SK
7.0	7.4	3TA70(Q1)	-	3BK80H	**3B5V74(B)**	3TB74(Q1)	-	3B74SK
7.6	8.0	-	-	-	**3B5V80(B)**	3TB80(Q1)	-	3B80SK
8.0	8.4	-	-	3BK90H	-	-	-	-
8.2	8.6	3TA82(Q1)	-	-	**3B5V86(B)**	3TB86(Q1)	-	3B86SK
8.6	9.0	-	-	-	**3B5V90(B)**	3TB90(Q1)	-	-
9.0	9.4	3TA90(Q1)	-	3BK100H	**3B5V94(B)**	3TB94(Q1)	-	3B94SK
10.0	10.4	-	-	3BK110H	-	-	-	-
10.6	11.0	3TA106(Q1)	-	-	**3B5V110(B)**	3TB110(Q1)	-	3B110SK
11.0	11.4	-	-	3BK120H	-	-	-	-
12.0	12.4	3TA120(Q1)	-	3BK130H	**3B5V124(B)**	3TB124(Q1)	-	3B124SK
13.0	13.4	-	-	3BK140H	-	-	-	-
13.2	13.6	-	-	-	**3B5V136(B)**	3TB136(Q1)	-	3B136SK
15.0	15.4	3TA150(Q1)	-	3BK160H	**3B5V154(B)**	3TB154(Q1)	3B154R(R1)	3B154SK
15.6	16.0	-	-	-	**3B5V160(B)**	3TB160(Q1)	3B160R(R1)	3B160SK
18.0	18.4	3TA180(Q1)	-	3BK190H	**3B5V184(B)**	3TB184(Q1)	3B184R(R1)	3B184SK
19.5	20.0	3TA195(Q1)	-	-	**3B5V200(B)**	3TB200(Q1)	3B200R(R1)	3B200SF
22.9	23.4	-	-	-	**3B5V234(B)**	-	-	-
24.5	25.0	3TA245(Q1)	-	-	**3B5V250(B)**	3TB250(Q1)	3B250R(R1)	3B250SF
27.3	27.8	-	-	-	**3B5V278(B)**	-	-	-
29.5	30.0	-	-	-	-	3TB300(Q1)	3B300R(R1)	3B300SF
37.5	38.0	-	-	-	-	3TB380(Q1)	3B380R(R1)	3B380E

TA Sheaves use "A" Belts only; all other Sheaves shown use "A" or "B" Belts.
"TB" and "B" Sheaves cannot be used with "5V" Sheaves.
Letter suffix on Part Number 3BKH and Q-D Sheaves indicate bushing size; bushing size is shown in parenthesis for B5V, TB and B Sheaves.

Discontinued

Table No. 2
Browning Split Taper® Bushing Bores

Bushing	Bore Range
H	3/8"-1 1/2"
P1	1/2-1 3/4
P2	3/4-1 3/4
B	1/2-2 7/16
Q1	3/4-2 11/16
R1	1 1/8-3 3/4

Table No. 3
Q-D® Bushing Bores

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

Stock Sheave Listing

Table No. 1 **4 Groove "A" and "B" Sheaves**

Datum Diameters		To 10 hp	Over 10 hp			
"A" Belts	"B" Belts	**TA** Page 59	**B5V®** **Page 55**	**TB** Page 62	**B** Page 65	**Q-D®** Page 88
3.0	3.4	4TA30(P2)	**-**	4TB34(P2)	-	4B34SD
3.2	3.6	4TA32(P2)	**-**	4TB36(P2)	-	4B36SD
3.4	3.8	4TA34(P2)	**-**	4TB38(P1)	-	4B38SD
3.6	4.0	4TA36(P2)	**-**	4TB40(P1)	-	4B40SD
3.8	4.2	4TA38(P1)	**4B5V42(P1)**	4TB42(P1)	-	4B42SD
4.0	4.4	4TA40(P1)	**4B5V44(P1)**	4TB44(P1)	-	4B44SD
4.2	4.6	4TA42(P1)	**4B5V46(B)**	4TB46(P1)	-	4B46SD
4.4	4.8	4TA44(P1)	**4B5V48(B)**	4TB48(P1)	-	4B48SD
4.6	5.0	4TA46(P1)	**4B5V50(B)**	4TB50(P1)	-	4B50SD
4.8	5.2	4TA48(P1)	**4B5V52(B)**	4TB52(P1)	-	4B52SD
5.0	5.4	4TA50(P1)	**4B5V54(B)**	4TB54(P1)	4BQ54(Q1)	4B54SD
5.2	5.6	4TA52(P1)	**4B5V56(B)**	4TB56(P1)	4BQ56(Q1)	4B56SD
5.4	5.8	4TA54(P1)	**4B5V58(B)**	4TB58(P1)	4BQ58(Q1)	4B58SD
5.6	6.0	4TA56(P1)	**4B5V60(B)**	4TB60(P1)	4BQ60(Q1)	4B60SD
5.8	6.2	4TA58(P1)	**4B5V62(B)**	4TB62(P1)	4BQ62(Q1)	4B62SD
6.0	6.4	4TA60(P1)	**4B5V64(B)**	4TB64(P1)	4BQ64(Q1)	4B64SD
6.2	6.6	4TA62(P1)	**4B5V66(B)**	4TB66(P1)	4BQ66(Q1)	4B66SD
6.4	6.8	4TA64(P1)	**4B5V68(B)**	4TB68(P1)	4BQ68(Q1)	4B68SD
6.6	7.0	-	**4B5V70(B)**	4TB70(Q1)	-	4B70SK
7.0	7.4	4TA70(Q1)	**4B5V74(B)**	4TB74(Q1)	-	4B74SK
7.6	8.0	-	**4B5V80(B)**	4TB80(Q1)	-	4B80SK
8.2	8.6	4TA82(Q1)	**4B5V86(B)**	4TB86(Q1)	-	4B86SK
8.6	9.0	-	**4B5V90(B)**	4TB90(Q1)	-	-
9.0	9.4	4TA90(Q1)	**4B5V94(B)**	4TB94(Q1)	-	4B94SK
10.6	11.0	4TA106(Q1)	**4B5V110(B)**	4TB110(Q1)	-	4B110SK
12.0	12.4	4TA120(Q1)	**4B5V124(B)**	4TB124(Q1)	-	4B124SK
13.2	13.6	-	**4B5V136(B)**	4TB136(Q1)	-	4B136SK
15.0	15.4	4TA150(Q1)	**4B5V154(B)**	4TB154(Q1)	4B154R(R1)	4B154SF
15.6	16.0	-	**4B5V160(B)**	4TB160(Q1)	4B160R(R1)	4B160SF
18.0	18.4	4TA180(Q1)	**4B5V184(B)**	4TB184(Q1)	4B184R(R1)	4B184SF
19.5	20.0	4TA195(Q1)	**4B5V200(B)**	4TB200(Q1)	4B200R(R1)	4B200SF
22.9	23.4	-	**4B5V234(B)**	-	-	-
24.5	25.0	4TA245(Q1)	**4B5V250(B)**	4TB250(Q1)	4B250R(R1)	4B250E
27.3	27.8	-	**4B5V278(B)**	-	-	-
29.5	30.0	-	**-**	4TB300(Q1)	4B300R(R1)	4B300E
37.5	38.0	-	**-**	4TB380(Q1)	4B380R(R1)	4B380E

TA Sheaves use "A" Belts only; all other Sheaves shown use "A" and "B" Belts.
"TB" and "B" Sheaves cannot be used with "5V" Sheaves.
Letter suffix on Part Number 3BKH and Q-D Sheaves indicate bushing size; bushing size is shown in parenthesis for B5V, TB and B Sheaves.

Discontinued

For complete catalog dimensions see eCatalog at www.emerson-ept.com

Stock Sheave Listing

Table No. 1 **5, 6, 8 and 10 Groove "A-B" Sheaves**

Datum		5 Grooves				6 Grooves				8 Grooves		10 Grooves	
Diameters		TB	B	Q-D®	B5V	TB	B	Q-D	B5V®	B	Q-D	B	Q-D
"A" Belts	"B" Belts	Page 63	Page 65	Page 89	Page 56	Page 63	Page 65	Page 89	Page 56	Page 66	Page 90	Page 67	Page 90
3.0	3.4	5TB34(P2)	-	5B34SD	-	6TB34(P2)	-	6B34SD	-	-	-	-	-
3.2	3.6	5TB36(P2)	-	5B36SD	-	6TB36(P2)	-	6B36SD	-	-	-	-	-
3.4	3.8	5TB38(P2)	-	5B38SD	-	6TB38(P2)	-	6B38SD	-	-	-	-	-
3.6	4.0	5TB40(P2)	-	5B40SD	-	6TB40(P2)	-	6B40SD	-	-	-	-	-
3.8	4.2	5TB42(P2)	-	5B42SD	5B5V42(P1)	6TB42(P2)	-	6B42SD	6B5V42(P2)	-	-	-	-
4.0	4.4	5TB44(P2)	-	5B44SD	5B5V44(P2)	6TB44(P2)	-	6B44SD	6B5V44(P2)	-	-	-	-
4.2	4.6	5TB46(P2)	-	5B46SD	5B5V46(P2)	6TB46(P2)	-	6B46SD	6B5V46(P2)	-	-	-	-
4.4	4.8	5TB48(P2)	-	5B48SD	5B5V48(P2)	6TB48(P2)	-	6B48SD	6B5V48(P2)	-	-	-	-
4.6	5.0	5TB50(P2)	-	5B50SD	5B5V50(Q1)	6TB50(P2)	-	6B50SD	6B5V50(Q2)		-	-	-
4.8	5.2	5TB52(P2)	-	5B52SD	5B5V52(Q1)	6TB52(P2)	-	6B52SD	6B5V52(Q2)		-	-	-
5.0	5.4	5TB54(Q1)	-	5B54SK	5B5V54(Q1)	6TB54(Q1)	-	6B54SK	6B5V54(Q2)	8B54Q	8B54SK	10B54Q	10B54SK
5.2	5.6	5TB56(Q1)	-	5B56SK	5B5V55(Q1)	6TB56(Q1)	-	6B56SK	6B5V56(Q2)	8B56Q	8B56SK	10B56Q	10B56SK
5.4	5.8	5TB58(Q1)	-	5B58SK	5B5V58(Q1)	6TB58(Q1)	-	6B58SK	6B5V58(Q1)	8B58Q	-	10B58Q	-
5.6	6.0	5TB60(Q1)	-	5B60SK	5B5V60(Q1)	6TB60(Q1)	-	6B60SK	6B5V60(Q1)	8B60Q	8B60SF	10B60Q	10B60SF
5.8	6.2	5TB62(Q1)	-	5B62SK	5B5V62(Q1)	6TB62(Q1)	-	6B62SK	6B5V62(Q1)	8B62Q	-	10B62Q	-
6.0	6.4	5TB64(Q1)	-	5B64SK	5B5V64(Q1)	6TB64(Q1)	-	6B64SK	6B5V64(Q1)	8B64Q	8B64SF	10B64Q	10B64SF
6.2	6.6	5TB66(Q1)	-	5B66SK	5B5V66(Q1)	6TB66(Q1)	-	6B66SK	6B5V66(Q1)	8B66Q	-	10B66Q	-
6.4	6.8	5TB68(Q1)	-	5B68SK	5B5V68(Q1)	6TB68(Q1)	-	6B68SK	6B5V68(Q1)	8B68Q	8B68SF	10B68Q	10B68SF
6.6	7.0	5TB70(Q2)	5B70R(R1)	5B70SF	5B5V70(Q1)	6TB70(Q2)	6B70R(R1)	6B70SF	6B5V70(Q2)	8B70R	-	10B70R	-
7.0	7.4	5TB74(Q2)	5B74R(R1)	5B74SF	5B5V74(Q1)	6TB74(Q2)	6B74R(R1)	6B74SF	6B5V74(Q2)	8B74R	8B74SF	10B74R	10B74SF
7.6	8.0	5TB80(Q2)	5B80R(R1)	5B80SF	5B5V80(R1)	6TB80(Q2)	6B80R(R1)	6B80SF	6B5V80(R1)	8B80R	-	10B80R	-
8.2	8.6	5TB86(Q2)	5B86R(R1)	5B86SF	5B5V86(R1)	6TB86(Q2)	6B86R(R1)	6B86SF	6B5V86(R1)	8B86R	8B86E	10B86R	10B86E
8.6	9.0	5TB90(Q2)	5B90R(R1)	-	5B5V90(R1)	6TB90(Q2)	6B90R(R1)	-	6B5V90(R1)	8B90R	-	10B90R	-
9.0	9.4	5TB94(Q2)	5B94R(R1)	5B94SF	5B5V94(R1)	6TB94(Q2)	6B94R(R1)	6B94SF	6B5V94(R1)	8B94R	8B94E	10B94R	10B94E
10.6	11.0	5TB110(Q2)	5B110R(R1)	5B110SF	5B5V110(R1)	6TB110(Q2)	6B110R(R1)	6B110SF	6B5V110(R1)	8B110R	8B110E	10B110R	10B110E
12.0	12.4	5TB124(Q2)	5B124R(R1)	5B124SF	5B5V124(R1)	6TB124(Q2)	6B124R(R1)	6B124SF	6B5V124(R1)	8B124R	8B124E	10B124R	10B124E
13.2	13.6	5TB136(Q2)	5B136R(R1)	5B136SF	5B5V136(R1)	6TB136(Q2)	6B136R(R1)	6B136SF	-	8B136R	-	10B136R	-
15.0	15.4	5TB154(Q2)	5B154R(R1)	5B154SF	5B5V154(R1)	6TB154(Q2)	6B154R(R1)	6B154SF	6B5V154(R1)	8B154R	8B154E	10B154R	10B154F
15.6	16.0	5TB160(Q2)	5B160R(R1)	5B160SF	5B5V160(R1)	6TB160(Q2)	6B160R(R1)	6B160SF	6B5V160(R1)	8B160R	-	10B160R	-
18.0	18.4	5TB184(Q2)	5B184R(R1)	5B184SF	5B5V184(R1)	6TB184(Q2)	6B184R(R1)	6B184SF	6B5V184(R1)	8B184R	8B184F	10B184R	10B184F
19.5	20.0	5TB200(Q2)	5B200R(R1)	5B200E	5B5V200(R1)	6TB200(Q2)	6B200R(R1)	6B200E	6B5V200(R1)	8B200R	8B200F	10B200R	10B200F
24.5	25.0	5TB250(Q2)	5B250R(R1)	5B250E	5B5V250(R1)	6TB250(Q2)	6B250R(R1)	6B250E	6B5V250(R1)	8B250R	8B250F	10B250R	10B250F
29.5	30.0	5TB300(Q2)	5B300R(R1)	5B300E	-	6TB300(Q2)	6B300R(R1)	6B300E	-	8B300R	8B300F	10B300R	10B300F
29.5	30.0	-	-	-	-	-	-	-	-	8B300S	-	-	-
37.5	38.0	5TB380(Q2)	5B380R(R1)	5B380E	-	6TB380(Q2)	6B380R(R1)	6B380E	-	8B380R	8B380F	10B380R	10B380J
37.5	38.0	-	-	-	-	-	-	-	-	8B380S	-	10B380U	-

Bushing size is shown in parentheses for TB and B Sheaves; letter suffix on part number for Q-D Sheaves indicates bushing size.

Table No. 2
Browning Split Taper® Bushing Bores

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

Table No. 3
Q-D® Bushing Bores

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

Stock Sheave Listing

Table No. 1 **1-4 Groove "C" Sheaves**

Datum	1 Groove			2 Grooves			3 Grooves			4 Grooves		
Dia.	TC	C	Q-D®	TC	C	Q-D	TC	C	Q-D	TC	C	Q-D
"C" Belts	**Page 68**	**Page 72**	**Page 91**	**Page 69**	**Page 72**	**Page 91**	**Page 69**	**Page 72**	**Page 92**	**Page 70**	**Page 72**	**Page 92**
5.0"	-	-	-	-	-	-	-	-	3C50SD	-	-	4C50SD
5.5	-	-	-	-	-	-	-	-	3C55SD	-	-	4C55SD
5.6	-	1C56P(P1)	-	-	2C56P(P1)	-	-	3C56P(P1)	-	-	4C56P(P2)	-
6.0	-	1C60Q(Q1)	-	-	2C60Q(Q1)	-	-	3C60Q(Q1)	3C60SF	-	4C60Q(Q2)	4C60SF
7.0	1TC70(Q1)	-	1C70SF	2TC70(Q1)	-	2C70SF	3TC70(Q1)	-	3C70SF	4TC70(Q2)	-	4C70SF
7.2	1TC72(Q1)	-	-	2TC72(Q1)	-	-	3TC72(Q1)	-	-	4TC72(Q2)	-	-
7.4	1TC74(Q1)	-	-	2TC74(Q1)	-	-	3TC74(Q1)	-	-	4TC74(Q2)	-	-
7.5	-	-	1C75SF	-	-	2C75SF	-	-	3C75SF	-	-	4C75SF
7.6	1TC76(Q1)	-	-	2TC76(Q1)	-	-	3TC76(Q1)	-	-	4TC76(Q2)	-	-
7.8	1TC78(Q1)	-	-	2TC78(Q1)	-	-	3TC78(Q1)	-	-	4TC78(Q2)	-	-
8.0	1TC80(Q1)	-	1C80SF	2TC80(Q1)	-	2C80SF	3TC80(Q1)	-	3C80E	4TC80(Q2)	-	4C80E
8.2	1TC82(Q1)	-	-	2TC82(Q1)	-	-	3TC82(Q1)	-	-	4TC82(Q2)	-	-
8.4	1TC84(Q1)	-	-	2TC84(Q1)	-	-	3TC84(Q1)	-	-	4TC84(Q2)	-	-
8.5	-	-	1C85SF	-	-	2C85SF	-	-	3C85E	-	-	4C85E
8.6	1TC86(Q1)	-	-	2TC86(Q1)	-	-	3TC86(Q1)	-	-	4TC86(Q2)	-	-
8.8	1TC88(Q1)	-	-	2TC88(Q1)	-	-	3TC88(Q1)	-	-	4TC88(Q2)	-	-
9.0	1TC90(Q1)	-	1C90SF	2TC90(Q1)	-	2C90SF	3TC90(Q1)	3C90R(R1)	3C90E	4TC90(Q2)	4C90R(R1)	4C90E
9.2	1TC92(Q1)	-	-	2TC92(Q1)	-	-	3TC92(Q1)	3C92R(R1)	-	4TC92(Q2)	4C92R(R1)	-
9.4	1TC94(Q1)	-	-	2TC94(Q1)	-	-	3TC94(Q1)	3C94R(R1)	-	4TC94(Q2)	4C94R(R1)	-
9.5	-	-	1C95SF	-	-	2C95SF	-	-	3C95E	-	-	4C95E
9.6	1TC96(Q1)	-	-	2TC96(Q1)	-	-	3TC96(Q1)	3C96R(R1)	-	4TC96(Q2)	4C96R(R1)	-
9.8	1TC98(Q1)	-	-	2TC98(Q1)	-	-	3TC98(Q1)	3C98R(R1)	-	4TC98(Q2)	4C98R(R1)	-
10.0	1TC100(Q1)	-	1C100SF	2TC100(Q1)	-	2C100SF	3TC100(Q1)	3C100R(R1)	3C100E	4TC100(Q2)	4C100R(R1)	4C100E
10.2	1TC102(Q1)	-	-	2TC102(Q1)	-	-	3TC102(Q1)	3C102R(R1)	-	4TC102(Q2)	4C102R(R1)	-
10.5	-	-	1C105SF	-	-	2C105SF	-	-	3C105E	-	-	4C105E
10.6	1TC106(Q1)	-	-	2TC106(Q1)	-	-	3TC106(Q1)	3C106R(R1)	-	4TC106(Q2)	4C106R(R1)	-
11.0	1TC110(Q1)	-	1C110SF	2TC110(Q1)	-	2C110SF	3TC110(Q1)	3C110R(R1)	3C110E	4TC110(Q2)	4C110R(R1)	4C110E
11.4	1TC114(Q1)	-	-	2TC114(Q1)	-	-	3TC114(Q1)	-	-	4TC114(Q2)	-	-
12.0	1TC120(Q1)	-	1C120SF	2TC120(Q1)	-	2C120SF	3TC120(Q1)	3C120R(R1)	3C120E	4TC120(Q2)	4C120R(R1)	4C120E
13.0	1TC130(Q1)	-	1C130SF	2TC130(Q1)	-	2C130SF	3TC130(Q1)	3C130R(R1)	3C130E	4TC130(Q2)	4C130R(R1)	4C130E
14.0	-	-	1C140SF	-	2C140R(R1)	2C140SF	-	3C140R(R1)	3C140E	-	4C140R(R1)	4C140E
15.0	-	-	-	-	-	-	-	3C150R(R1)	-	-	4C150R(R1)	-
16.0	1TC160(Q1)	-	1C160SF	2TC160(Q1)	-	2C160SF	3TC160(Q1)	3C160R(R1)	3C160E	4TC160(Q2)	4C160R(R1)	4C160E
18.0	-	-	1C180SF	-	2C180R(R1)	2C180SF	-	3C180R(R1)	3C180E	-	4C180R(R1)	4C180E
18.0	-	-	-	-	-	-	-	-	-	-	4C180S(S1)	-
20.0	1TC200(Q1)	-	1C200SF	2TC200(Q1)	-	2C200SF	3TC200(Q1)	3C200R(R1)	3C200E	4TC200(Q2)	4C200R(R1)	4C200E
20.0	-	-	-	-	-	-	-	-	-	-	4C200S(S1)	-
24.0	1TC240(Q1)	-	1C240SF	2TC240(Q1)	-	2C240SF	3TC240(Q1)	3C240R(R1)	3C240E	4TC240(Q2)	4C240R(R1)	4C240F
24.0	-	-	-	-	-	-	-	-	-	-	4C240S(S1)	-
27.0	-	-	-	-	2C270R(R1)	-	-	3C270R(R1)	3C270E	-	4C270R(R1)	4C270F
27.0	-	-	-	-	-	-	-	-	-	-	4C270S(S1)	-
30.0	-	-	-	-	2C300R(R1)	2C300F	-	3C300R(R1)	3C300F	-	4C300R(R1)	4C300F
30.0	-	-	-	-	-	-	-	-	-	-	4C300S(S1)	-
36.0	-	-	-	-	2C360R(R1)	-	-	3C360R(R1)	3C360F	-	4C360R(R1)	4C360F
36.0	-	-	-	-	-	-	-	-	-	-	4C360S(S1)	-
44.0	-	-	-	-	2C440R(R1)	-	-	3C440R(R1)	3C440F	-	4C440R(R1)	4C440J
44.0	-	-	-	-	-	-	-	-	-	-	4C440U(U0)	-
50.0	-	-	-	-	-	-	-	3C500R(R1)	3C500F	-	4C500R(R1)	4C500J
50.0	-	-	-	-	-	-	-	3C500S(S1)	-	-	4C500U(U0)	-

Bushing size is shown in parentheses for TC and C Sheaves; letter suffix on part number for Q-D Sheaves indicates bushing size.

Table No. 2
Browning Split Taper® Bushing Bores

Bushing	Bore Range
P1	1/2 - 1 3/4"
P2	3/4 - 1 3/4
Q1	3/4 - 2 11/16
Q2	1 - 2 5/8
R1	1 1/8 - 3 3/4
R2	1 3/8 - 3 5/8
S1	1 11/16 - 4 1/4
U0	2 3/8 - 5 1/2

Table No. 3
Q-D® Bushing Bores

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

For complete catalog dimensions see eCatalog at www.emerson-ept.com

Stock Sheave Listing

Table No. 1 — 5, 6, 7, 8, 10 and 12 Groove "C" Sheaves

Datum Dia.	5 Grooves			6 Grooves			7 Grooves	8 Grooves		10 Grooves		12 Grooves	
	TC	C	Q-D®	TC	C	Q-D	C	C	Q-D	C	Q-D	C	Q-D
"C" Belts	**Page 71**	**Page 73**	**Page 92**	**Page 71**	**Page 73**	**Page 93**	**Page 73**	**Page 74**	**Page 93**	**Page 75**	**Page 94**	**Page 75**	**Page 94**
6.0"	-	-	5C60SF	-	-	6C60SF	-	-	-	-	-	-	-
7.0	5TC70(Q2)	-	5C70SF	6TC70(Q2)	-	6C70SF	7C70Q(Q3)	8C70Q(Q3)	-	-	-	-	-
7.2	5TC72(Q2)	-	-	6TC72(Q2)	-	-	-	-	-	-	-	-	-
7.4	5TC74(Q2)	-	-	6TC74(Q2)	-	-	-	-	-	-	-	-	-
7.5	-	-	5C75SF	-	-	6C75SF	-	-	-	-	-	-	-
7.6	5TC76(Q2)	-	-	6TC76(Q2)	-	-	-	-	-	-	-	-	-
7.8	5TC78(Q2)	-	-	6TC78(Q2)	-	-	-	-	-	-	-	-	-
8.0	5TC80(Q2)	-	5C80E	6TC80(Q2)	-	6C80E	7C80R(R2)	8C80R(R2)	8C80E	10C80R(R2)	10C80E	-	-
8.2	5TC82(Q2)	-	-	6TC82(Q2)	-	-	-	-	-	-	-	-	-
8.4	5TC84(Q2)	-	-	6TC84(Q2)	-	-	-	-	-	-	-	-	-
8.5	-	-	5C85E	-	-	6C85E	-	-	8C85E	-	10C85E	-	-
8.6	5TC86(Q2)	-	-	6TC86(Q2)	-	-	7C86R(R2)	8C86R(R2)	-	10C86R(R2)	-	-	-
8.8	5TC88(Q2)	-	-	6TC88(Q2)	-	-	-	-	-	-	-	-	-
9.0	5TC90(Q2)	5C90R(R1)	5C90E	6TC90(Q2)	6C90R(R2)	6C90F	7C90R(R2)	8C90R(R2)	8C90F	10C90R(R2)	10C90J	12C90S(S2)	-
9.2	5TC92(Q2)	5C92R(R1)	-	6TC92(Q2)	6C92R(R2)	-	7C92R(R2)	8C92R(R2)	-	10C92R(R2)	-	12C92S(S2)	12C90J
9.4	5TC94(Q2)	5C94R(R1)	-	6TC94(Q2)	6C94R(R20	-	7C94R(R2)	8C94R(R2)	-	10C94R(R2)	-	12C94S(S2)	-
9.5	-	-	5C95E	-	-	6C95F	-	-	8C95F	-	10C95J	-	12C95J
9.6	5TC96(Q2)	5C96R(R1)	-	6TC98(Q2)	6C96R(R2)	-	-	8C96R(R2)	-	10C96R(R2)	-	12C96S(S2)	-
9.8	5TC98(Q2)	5C98R(R1)	-	6TC98(Q2)	6C98R(R2)	-	7C98R(R2)	8C98R(R2)	-	10C98R(R2)	-	12C98S(S2)	-
10.0	5TC100(Q2)	5C100R(R1)	5C100E	6TC100(Q2)	6C100R(R2)	6C100F	7C100R(R2)	8C100R(R2)	8C100F	10C100R(R2)	10C100J	12C100S(S2)	12C100J
10.2	5TC102(Q2)	5C102R(R1)	-	6TC102(Q2)	6C102R(R2)	-	7C102R(R2)	8C102R(R2)	-	10C102R(R2)	-	12C102S(S2)	-
10.5	-	-	5C105E	-	6C	6C105F	-	-	8C105F	-	10C105J	-	12C105J
10.6	5TC106(Q2)	5C106R(R1)	-	6TC106(Q2)	6C106R(R2)	-	7C106R(R2)	8C106R(R2)	-	10C106R(R2)	-	12C106S(S2)	-
11.0	5TC110(Q2)	5C110R(R1)	5C110E	6TC110(Q2)	6C110R(R2)	6C110F	7C110R(R2)	8C110R(R2)	8C110F	10C110R(R2)	10C110J	12C110S(S2)	12C110J
11.4	5TC114(Q2)	-	-	6TC114(Q2)	-	-	-	-	-	-	-	-	-
12.0	5TC120(Q2)	5C120R(R1)	5C120E	6TC120(Q2)	6C120R(R2)	6C120F	7C120R(R2)	8C120R(R2)	8C120F	10C120R(R2)	10C120J	12C120S(S2)	12C120J
13.0	5TC130(Q2)	5C130R(R1)	5C130E	6TC130(Q2)	6C130R(R2)	6C130F	7C130R(R2)	8C130R(R2)	8C130F	10C130R(R2)	10C130J	12C130S(S2)	12C130J
14.0	-	5C140R(R1)	5C140E	-	6C140R(R2)	6C140F	7C140R(R2)	8C140R(R2)	8C140F	10C140R(R2)	10C140J	12C140S(S2)	12C140J
15.0	-	5C150R(R1)	-	-	6C150R(R2)	-	7C150R(R2)	8C150R(R2)	-	10C150R(R2)	-	12C150S(S2)	-
16.0	5TC160(Q2)	5C160R(R1)	5C160E	6TC160(Q2)	6C160R(R2)	6C160F	7C160R(R2)	8C160R(R2)	8C160F	10C160R(R2)	10C160J	12C160S(S2)	12C160J
18.0	-	5C180R(R1)	5C180E	-	6C180R(R2)	6C180F	7C180S(S2)	8C180S(S2)	8C180F	10C180S(S2)	10C180J	12C180U(U1)	12C180J
18.0	-	5C180S(S1)	-	-	6C180S(S1)	-	7C180U(U0)	8C180U(U0)	-	10C180U(U0)	-	-	-
20.0	5TC200(Q2)	5C200R(R1)	5C200F	6TC200(Q2)	6C200R(R2)	6C200F	7C200S(S2)	8C200S(S2)	8C200J	10C200S(S2)	10C200J	12C200U(U1)	12C200M
20.0	-	5C200S(S1)	-	-	6C200S(S1)	-	7C200U(U0)	8C200U(U0)	-	10C200U(U0)	-	-	-
24.0	5TC240(Q2)	5C240R(R1)	5C240F	6TC240(Q2)	6C240R(R2)	6C240F	7C240S(S2)	8C240S(S2)	8C240J	10C240S(S2)	10C240M	12C240U(U1)	12C240M
24.0	-	5C240S(S1)	-	-	6C240S(S1)	-	-	8C240U(U0)	-	10C240U(U0)	-	-	-
27.0	-	5C270R(R2)	5C270F	-	6C270R(R2)	6C270J	7C270S(S2)	8C270S(S2)	8C270J	10C270S(S2)	10C270M	12C270U(U1)	12C270M
27.0	-	-	-	-	6C270S(S1)	-	7C270U(U0)	-	-	-	-	-	-
30.0	-	5C300R(R2)	5C300F	-	6C300R(R2)	6C300J	7C300S(S2)	8C300S(S2)	8C300J	10C300S(S2)	10C300M	12C300U(U1)	12C300M
30.0	-	5C300S(S1)	-	-	6C300U(U0)	-	7C300U(U0)	8C300U(U0)	-	10C300U(U1)	-	-	-
36.0	-	5C360R(R2)	5C360J	-	6C360R(R2)	6C360J	7C360S(S2)	8C360S(S2)	8C360M	10C360S(S2)	10C360M	12C360U(U1)	12C360M
36.0	-	-	-	-	6C360U(U0)	-	-	8C360U(U0)	-	10C360U(U1)	-	-	-
44.0	-	5C440R(R2)	5C440J	-	6C440R(R2)	6C440J	7C440S(S2)	8C440S(S2)	8C440M	10C440U(U1)	10C440M	12C440U(U1)	12C440M
44.0	-	-	-	-	-	-	-	8C440U(U0)	-	-	-	-	-
50.0	-	5C500R(R2)	5C500J	-	6C500R(R2)	6C500M	7C500S(S2)	8C500S(S2)	8C500M	10C500U(U1)	10C500M	12C500U(U1)	12C500M

Bushing size is shown in parentheses for TC and C Sheaves; letter suffix on part number for Q-D Sheaves indicates bushing size.

Table No. 2
Browning Split Taper® Bushing Bores

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

Table No. 3
Q-D® Bushing Bores

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

Stock Sheave Listing

Table No. 1 **1 to 10 Groove "3V" Sheaves**

Nom. Pitch Dia.	1 Groove			2 Grooves			3 Grooves			4 Grooves		
	Split Taper Bushing	Finished Bore	Q-D® Bushing	Split Taper Bushing	Finished Bore	Q-D Bushing	Split Taper Bushing	Finished Bore	Q-D Bushing	Split Taper Bushing	Finished Bore	Q-D Bushing
	Page 78	**Page 77**	**Page 95**	**Page 79**	**Page 77**	**Page 95**	**Page 79**	**Page 77**	**Page 96**	**Page 79**	**Page 77**	**Page 96**
2.2"	-	-	13V220JA	-	-	23V220JA	-	-	-	-	-	-
2.3	-	-	13V235JA	-	-	23V235JA	-	-	-	-	-	-
2.5	-	-	13V250JA	-	-	23V250JA	-	-	33V250JA	-	-	-
2.6	1G3V26(G)	1F3V26	13V265JA	2G3V26(G)	2F3V26	23V265JA	3G3V26(G0	3F3V26	33V265JA	4G3V26(G)	4F3V26	43V265JA
2.8	1G3V28(G)	1F3V28	13V280JA	2G3V28(G)	2F3V28	23V280JA	3G3V28(G)	3F3V28	33V280JA	4G3V28(G)	4F3V28	43V280JA
3.0	1G3V30(G)	1F3V30	13V300JA	2G3V30(G)	2F3V30	23V300JA	3G3V30(G)	3F3V30	33V300SH	4G3V30(G)	4F3V30	43V300SH
3.1	1H3V31(H)	1F3V31	13V315JA	2H3V31(H)	2F3V31	23V315JA	3H3V31(H)	3F3V31	33V315SH	4H3V31(H)	4F3V31	43V315SH
3.3	1H3V33(H)	1F3V33	13V335JA	2H3V33(H)	2F3V33	23V335SH	3H3V33(H)	3F3V33	33V335SH	4H3V33(H)	4F3V33	43V335SH
3.6	1H3V36(H)	-	13V365SH	2H3V36(H)	-	23V365SH	3P3V36(P1)	-	33V365SH	4P3V36(P1)	-	43V365SH
3.6	1P3V36(P1)	-	-	2P3V36(P1)	-	-	-	-	-	-	-	-
4.1	1H3V41(H)	-	13V412SH	2H3V41(H)	-	23V412SH	3P3V41(P1)	-	33V412SH	4P3V41(P1)	-	43V412SH
4.1	1H3V45(H)	-	-	2P3V41(P1)	-	-	-	-	-	-	-	-
4.5	1P3V45(P1)	-	13V450SH	2H3V45(H)	-	23V450SH	3P3V45(P1)	-	33V450SDS	4P3V45(P1)	-	43V450SDS
4.5	1H3V47(H)	-	-	2P3V45(P1)	-	-	-	-	-	-	-	-
4.7	1P3V47(P1)	-	13V475SH	2H3V47(H)	-	23V475SH	3P3V47(P1)	-	33V475SDS	4P3V47(P1)	-	43V475SDS
4.7	1H3V47(H)	-	-	2P3V47(P1)	-	-	-	-	-	-	-	-
5.0	1H3V50(H)	-	13V500SH	2H3V50(H)	-	23V500SH	3P3V50(P1)	-	33V500SDS	4P3V50(P1)	-	43V500SDS
5.0	1P3V50(P1)	-	-	2P3V50(P1)	-	-	-	-	-	-	-	-
5.3	1H3V53(H)	-	13V530SH	2H3V53(H)	-	23V530SH	3P3V53(P1)	-	33V530SDS	4P3V53(P1)	-	43V530SDS
5.3	1P3V53(P1)	-	-	2P3V53(P1)	-	-	-	-	-	-	-	-
5.6	1H3V56(H)	-	13V560SH	2H3V56(H)	-	23V560SH	3P3V56(P1)	-	33V560SDS	4P3V56(P1)	-	43V560SDS
5.6	1P3V56(P1)	-	-	2P3V56(P1)	-	-	-	-	-	-	-	-
6.0	1H3V60(H)	-	13V600SH	2H3V60(H)	-	23V600SH	3P3V60(P1)	-	33V600SDS	4Q3V60(Q1)	-	43V600SK
6.0	1P3V60(P1)	-	-	2P3V60(P1)	-	-	-	-	-	-	-	-
6.5	1P3V65(P1)	-	13V650SH	2Q3V65(Q1)	-	23V650SDS	3Q3V65(Q1)	-	33V650SDS	4Q3V65(Q1)	-	43V650SK
6.9	1P3v69(P1)	-	13V690SH	2Q3V69(Q1)	-	23V690SDS	3Q3V69(Q1)	-	33V690SDS	4Q3V69(Q1)	-	43V690SK
8.0	1P3V80(P1)	-	13V800SDS	2Q3V80(Q1)	-	23V800SDS	3Q3V80(Q1)	-	33V800SK	4Q3V80(Q1)	-	43V800SK
10.6	1P3V106(P1)	-	13V1060SDS	2Q3V106(Q1)	-	23V1060SK	3Q3V106(Q1)	-	33V1060SK	4Q3V106(Q1)	-	43V1060SK
14.0	1Q3V140(Q1)	-	13V1400SK	2Q3V140(Q1)	-	23V1400SK	3Q3V140(Q1)	-	33V1400SK	4Q3V140(Q1)	-	43V1400SK
19.0	1Q3V190(Q1)	-	13V1900SK	2Q3V190(Q1)	-	23V1900SK	3R3V190(R1)	-	33V1900SF	4R3V190(R1)	-	43V1900SF
25.0	1Q3V250(Q1)	-	-	2Q3V250(Q1)	-	23V2500SK	3R3V250(R1)	-	33V2500SF	4R3V250(R1)	-	43V2500SF
33.5	-	-	-	-	-	-	3R3V335(R1)	-	33V3350SF	4R3V335(R1)	-	43V3350E

Nom. Pitch Dia.	5 Grooves		6 Grooves		8 Grooves		10 Grooves	
	Split Taper Bushing	Q-D Bushing	Split Taper Bushing	Q-D Bushing	Split Taper Bushing	Q-D Bushing	Split Taper Bushing	Q-D Bushing
	Page 80	Page 97	Page 80	Page 97	Page 80	Page 97	Page 80	Page 97
4.7"	5P3V47(P1)	53V475SDS	6Q3V47(Q1)	63V475SK	8Q3V47(Q2)	83V475SK	10Q3V47(Q2)	103V47SK
5.0	5P3V50(P1)	53V500SDS	6Q3V50(Q1)	63V500SK	8Q3V50(Q2)	83V500SK	10Q3V50(Q2)	103V500SK
5.3	5P3V53(P1)	53V530SK	6Q3V53(Q1)	63V530SK	8Q3V53(Q2)	83V530SK	10Q3V53(Q2)	103V530SK
5.6	5P3V56(P1)	53V560SK	6Q3V56(Q1)	63V560SK	8Q3V56(Q2)	83V560SK	10Q3V56(Q2)	103V560SK
6.0	5Q3V60(Q1)	53V600SK	6Q3V60(Q1)	63V600SK	8Q3V60(Q2)	83V600SK	10Q3V60(Q2)	103V600SK
6.5	5Q3V65(Q1)	53V650SK	6Q3V65(Q1)	63V650SK	8Q3V65(Q2)	83V650SK	10Q3V65(Q2)	103V650SK
6.9	5Q3V69(Q1)	53V690SK	6Q3V69(Q1)	63V690SK	8Q3V69(Q2)	83V690SK	10Q3V69(Q2)	103V690SK
8.0	5Q3V80(Q1)	53V800SK	6Q3V80(Q1)	63V800SK	8Q3V80(R1)	83V800SF	10R3V80(R1)	103V800SF
10.6	5Q3V106(Q1)	53V1060SK	6R3V106(R1)	63V1060SF	8R3V106(R1)	83V1060SF	10R3V106(R1)	103V1060E
14.0	5Q3V140(Q1)	53V1400SF	6R3V140(R1)	63V1400SF	8R3V140(R1)	83V1400E	10R3V140(R1)	103V1400E
19.0	5R3V190(R1)	53V1900SF	6R3V190(R1)	63V1900E	8R3V190(R1)	83V1900E	10R3V190(R1)	103V1900E
25.0	5R3V250(R1)	53V2500E	6R3V250(R1)	63V2500E	8R3V250(R1)	83V2500E	10S3V250(S1)	103V2500F
33.5	5R3V335(R1)	53V3350E	6R3V335(R1)	63V3350E	8R3V335(S1)	83V3350F	10S3V335(S1)	103V3350F

Bushing size is shown in parentheses for Split Taper Bushing Sheaves; letter suffix on part number for Q-D Sheaves indicates bushing size.

Table No. 2
Browning Split Taper® Bushing Bores

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

Table No. 3
Q-D® Bushing Bores

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

For complete catalog dimensions see eCatalog at www.emerson-ept.com

Stock Sheave Listing

Table No. 1 **1 to 4 Groove "5V" Sheaves**

Pitch Diameter	1 Groove	2 Grooves			3 Grooves			4 Grooves		
	B5V® Page 54	**B5V** Page 54	**5V** Page 98	**Q-D®** Page 98	**B5V** Page 55	**5V** Page 98	**Q-D** Page 98	**B5V** Page 55	**5V** Page 99	**Q-D** Page 99
4.3	**1B5V42(P1)**	**2B5V42(P1)**	2P5V44(P1)	25V440SH	**3B5V42(P1)**	3P5V44(P1)	35V440SDS	**4B5V42(P1)**	4P5V44(P1)	45V440SD
4.5	**1B5V44(P1)**	**2B5V44(P1)**	2Q5V46(Q1)	25V465SDS	—	3Q5V46(Q1)	35V465SDS	—	4Q5V46(Q1)	45V465SD
4.7	**1B5V46(P1)**	**2B5V46(P1)**	—	—	**3B5V46(B)**	—	—	**4B5V46(B)**	—	—
4.8	—	—	2Q5V49(Q1)	25V490SDS	—	3Q5V49(Q1)	35V490SDS	—	4Q5V49(Q1)	45V490SD
4.9	**1B5V48(B)**	**2B5V48(B)**	—	—	**3B5V48(B)**	—	—	**4B5V48(B)**	—	—
5.1	**1B5V50(B)**	**2B5V50(B)**	2Q5V52(Q1)	25V520SDS	**3B5V50(B)**	3Q5V52(Q1)	35V520SDS	**4B5V50(B)**	4Q5V52(Q1)	45V520SD
5.3	**1B5V52(B)**	**2B5V52(B)**	—	—	**3B5V52(B)**	—	—	**4B5V52(B)**		
5.4	—	—	2Q5V55(Q1)	25V550SDS	—	3Q5V55(Q1)	35V550SDS	—	4Q5V55(Q1)	45V550SD
5.5	**1B5V54(B)**	**2B5V54(B)**	—	—	**3B5V54(B)**	—	—	**4B5V54(B)**	—	—
5.7	**1B5V56(B)**	**2B5V56(B)**	—	—	**3B5V56(B)**	—	—	**4B5V56(B)**	—	—
5.8	—	—	2Q5V59(Q1)	25V59SDS	—	3Q5V59(Q1)	35V590SDS	—	4Q5V59(Q1)	45V590SD
5.9	**1B5V58(B)**	**2B5V58(B)**	—	—	**3B5V58(B)**	—	—	**4B5V58(B)**	—	—
6.1	**1B5V60(B)**	**2B5V60(B)**	—	—	**3B5V60(B)**	—	—	**4B5V60(B)**	—	—
6.2	—	—	2Q5V63(Q1)	25V630SK	—	3Q5V63(Q1)	35V630SK	—	4Q5V63(Q1)	45V630SK
6.3	**1B5V62(B)**	**2B5V62(B)**	—	—	**3B5V62(B)**	—	—	**4B5V62(B)**	—	—
6.5	**1B5V64(B)**	**2B5V64(B)**	—	—	**3B5V64(B)**	—	—	**4B5V64(B)**	—	—
6.6	—	—	2Q5V67(Q1)	25V670SK	—	3Q5V67(Q1)	35V670SK	—	4Q5V67(Q1)	45V670SK
6.7	**1B5V66(B)**	**2B5V66(B)**	—	—	**3B5V66(B)**	—	—	**4B5V66(B)**	—	—
6.9	**1B5V68(B)**	**2B5V68(B)**	—	—	**3B5V68(B)**	—	—	**4B5V68(B)**	—	—
7.0	—	—	2Q5V71(Q1)	25V710SK	—	3Q5V71(Q1)	35V710SF	—	4Q5V71(Q1)	45V710SF
7.1	**1B5V70(B)**	**2B5V70(B)**	—	—	**3B5V70(B)**	—	—	**4B5V70(B)**	—	—
7.4	—	—	2Q5V75(Q1)	25V750SK		3Q5V75(Q1)	35V750SF	—	4Q5V75(Q1)	45V750SF
7.5	**1B5V74(B)**	**2B5V74(B)**	—	—	**3B5V74(B)**	—	—	**4B5V74(B)**	—	—
7.9	—	—	2Q5V80(Q1)	25V800SK	—	3R5V80(R1)	35V800SF	—	4R5V80(R1)	45V800E
8.1	**1B5V80(B)**	**2B5V80(B)**	—	—	**3B5V80(B)**	—	—	**4B5V80(B)**	—	—
8.4	—	—	2Q5V85(Q1)	25V850SK	—	3R5V85(R1)	35V850SF	—	4R5V85(R1)	45V850E
8.7	**1B5V86(B)**	**2B5V86(B)**	—	—	**3B5V86(B)**	—	—	**4B5V86(B)**	—	—
8.9	—	—	2Q5V90(Q1)	25V900SK	—	3R5V90(R1)	35V900SF	—	4R5V90(R1)	45V900E
9.1	**1B5V90(B)**	**2B5V90(B)**	2Q5V92(Q1)	25V925SK	**3B5V90(B)**	3R5V92(R1)	35V925SF	**4B5V90(B)**	4R5V92(R1)	45V925E
9.5	**1B5V94(B)**	**2B5V94(B)**	—	—	**3B5V94(B)**	—	—	**4B5V94(B)**	—	—
9.7	—	—	2Q5V97(Q1)	25V975SK	—	3R5V97(R1)	35V975SF	—	4R5V97(R1)	45V975E
10.2	—	—	2Q5V103(Q1)	25V1030SK	—	3R5V103(R1)	35V1030SF	—	4R5V103(R1)	45V1030E
10.8	—	—	2Q5V109(Q1)	25V1090SK	—	3R5V109(R1)	35V1090SF	—	4R5V109(R1)	45V1090E
11.1	**1B5V110(B)**	**2B5V110(B)**	—	—	**3B5V110(B)**	—	—	**4B5V110(B)**	—	—
11.2	—	—	—	25V1130SK	—	—	35V1130SF	—	—	45V1130E
11.7	—	—	2Q5V118(Q1)	25V1180SK	—	3R5V118(R1)	35V1180SF	—	4R5V118(R1)	45V1180E
12.4	—	—	2Q5V125(Q1)	25V1250SK	—	3R5V125(R1)	35V1250E	—	4R5V125(R1)	45V1250E
12.5	**1B5V124(B)**	**2B5V124(B)**	—	—	**3B5V124(B)**	—	—	**4B5V124(B)**	—	—
13.1	—	—	2Q5V132(Q1)	25V1320SF	—	3R5V132(R1)	35V1320E	—	4R5V132(R1)	45V1320E
13.7	**1B5V136(B)**	**2B5V136(B)**	—	—	**3B5V136(B)**	—	—	**4B5V136(B)**	—	—
13.9	—	—	2R5V140(R1)	25V1400SF	—	3R5V140(R1)	35V1400E	—	4R5V140(R1)	45V1400E
14.9	—	—	2R5V150(R1)	25V1500SF	—	3R5V150(R1)	35V1500E	—	4R5V150(R1)	45V1500E
15.5	**1B5V154(B)**	**2B5V154(B)**	—	—	**3B5V154(B)**	—	—	**4B5V154(B)**	—	—
15.9	—	—	2R5V160(R1)	25V1600SF	—	3R5V160(R1)	35V1600E	—	4R5V160(R1)	45V1600E
16.1	**1B5V160(B)**	**2B5V160(B)**	—	—	**3B5V160(B)**	—	—	**4B5V160(B)**	—	—
18.5	**1B5V184(B)**	**2B5V184(B)**	—	—	**3B5V184(B)**	—	—	**4B5V184(B)**	—	—
18.6	—	—	—	25V1870SF	—	—	35V1870E	—	—	45V1870E
20.1	**1B5V200(B)**	**2B5V200(B)**	—	—	**3B5V200(B)**	—	—	**4B5V200(B)**	—	—
21.1	—	—	2R5V212(R1)	25V2120SF	—	3R5V212(R1)	35V2120E	—	4S5V212(S1)	45V2120E
23.5	**1B5V234(B)**	**2B5V234(B)**	—	25V2360E	**3B5V234(B)**	—	35V2360E	**4B5V234(B)**	—	45V2360F
25.1	**1B5V250(B)**	**2B5V250(B)**	—	—	**3B5V250(B)**	—	—	**4B5V250(B)**	—	—
27.9	**1B5V278(B)**	**2B5V278(B)**	2R5V280(R1)	25V2800E	**3B5V278(B)**	3R5V280(R1)	35V3800E	**4B5V278(B)**	4S5V280(S1)	45V2800F
31.4	—	—	—	—	—	—	35V3150F	—	—	45V3150F
37.4	—	—	—	—	—	3S5V375(S1)	35V3750F	—	4S5V375(S1)	45V3750F
49.9	—	—	—	—	—	3U5V500(U0)	35V5000F	—	4U5V500(U0)	45V5000J

Letter suffix on part numbers for Q-D Sheaves indicates bushing size; bushing size is shown in parentheses for B5V and 5V Sheaves.

Stock Sheave Listing

Table No. 1 **5 to 10 Groove "5V" Sheaves**

Pitch Diameter	5 Grooves			6 Grooves			8 Grooves		10 Grooves	
	5V Page 100	**Q-D®** Page 100	**B5V®** Page 56	**5V** Page 100	**Q-D** Page 100	**B5V** Page 56	**5V** Page 101	**Q-D** Page 191	**5V** Page 101	**Q-D** 101
4.3"	-	55V440SD	5B5V42(P2)	-	65V440SD	6B5V42(P2)	-	-	-	-
4.5	5Q5V46(Q2)	55V465SD	5B5V44(P2)	-	65V465SD	6B5V44(P2)	-	-	-	-
4.8	5Q5V49(Q2)	55V490SD	5B5V46(P2)	-	65V490SD	6B5V46(P2)	-	-	-	-
4.9	-	-	5B5V48(P2)	-	-	6B5V48(P2)	-	-	-	-
5.1	5Q5V52(Q2)	55V520SD	5B5V50(Q1)	-	65V520SD	6B5V50(Q2)	-	-	-	-
5.4	5Q5V55(Q2)	55V550SD	5B5V52(Q1)	-	65V550SD	6B5V52(Q2)	-	-	-	-
5.5	-	-	5B5V54(Q1)	-	-	6B5V54(Q2)	-	-	-	-
5.8	5Q5V59(Q2)	55V590SK	5B5V56(Q1)	-	65V590SK	6B5V56(Q2)	-	-	-	-
5.9	-	-	5B5V58(Q1)	-	-	6B5V58(Q1)	-	-	-	-
6.2	5Q5V63(Q2)	55V630SK	5B5V60(Q1)	-	65V630SK	6B5V60(Q1)	-	-	-	-
6.3	-	-	5B5V62(Q1)	-	-	6B5V62(Q1)	-	-	-	-
6.6	5Q5V67(Q2)	55V670SF	5B5V64(Q1)	-	65V670SF	6B5V64(Q1)	-	-	-	-
6.7	-	-	5B5V66(Q1)	-	-	6B5V66(Q1)	-	-	-	-
7.0	5Q5V71(Q2)	55V710SF	5B5V68(Q1)	6Q5V71(Q2)	65V710SF	6B5V68(Q1)	8Q5V71(Q2)	85V710SF	-	-
7.1	-	-	5B5V70(Q1)	-	-	6B5V70(Q2)	-	-	-	-
7.4	5Q5V75(Q2)	55V750SF	-	6Q5V75(Q2)	65V750SF	-	8Q5V75(Q2)	85V750SF	-	-
7.5	-	-	5B5V74(Q1)	-	-	6B5V74(Q2)	-	-	-	-
7.9	5R5V80(R1)	55V800E	-	6R5V80(R1)	65V800E	-	8R5V80(R2)	85V800E	10R5V80(R1)	105V800E
8.1	-	-	5B5V80(R1)	-	-	6B5V80(R1)	-	-	-	-
8.4	5R5V85(R1)	55V850E	-	6R5V85(R1)	65V850E	-	8R5V85(R2)	85V850E	10R5V85(R1)	105V850E
8.9	5R5V90(R1)	55V900E	5B5V86(R1)	6R5V90(R1)	65V900E	6B5V86(R1)	8R5V90(R2)	85V900E	10R5V90(R1)	105V900F
9.2	5R5V92(R1)	55V925E	5B5V90(R1)	6R5V92(R1)	65V925E	6B5V90(R1)	8S5V92(S1)	85V925F	10S5V92(S1)	105V925F
9.7	5R5V97(R1)	55V975E	5B5V94(R1)	6R5V97(R1)	65V975E	6B5V94(R1)	8S5V97(S1)	85V975F	10S5V97(S1)	105V975F
10.2	5R5V103(R1)	55V1030E	-	6R5V103(R1)	65V1030E	-	8S5V103(S1)	85V1030F	10S5V103(S1)	105V1030F
10.8	5R5V109(R1)	55V1090E	-	6R5V109(R1)	65V1090E	-	8S5V109(S1)	85V1090F	10S5V109(S1)	105V1090F
11.1	-	-	5B5V110(R1)	-	-	6B5V110(R1)	-	-	-	-
11.2	-	55V1130E	-	-	65V1130E	-	-	85V1130F	-	105V1130F
11.7	5R5V118(R1)	55V1180E	-	6R5V118(R1)	65V1180E	-	8S5V118(S1)	85V1180F	10S5V118(S1)	105V1180F
12.4	5R5V125(R1)	55V1250E	-	6S5V125(S1)	65V1250E	-	8S5V125(S1)	85V1250F	10U5V125(U1)	105V1250J
12.5	-	-	5B5V124(R1)	-	-	6B5V124(R1)	-	-	-	-
13.1	5R5V132(R1)	55V1320E	-	6S5V132(S1)	65V1320F	-	8S5V132(S1)	85V1320F	10U5V132(U1)	105V1320J
13.9	5R5V140(R1)	55V1400E	5B5V136(R1)	6S5V140(S1)	65V1400F	6B5V136(R1)	8S5V140(S1)	85V1400F	10U5V140(U1)	105V1400J
14.9	5R5V150(R1)	55V1500E	-	6S5V150(S1)	65V1500F	-	8S5V150(S1)	85V1500F	10U5V150(U1)	105V1500J
15.5	-	-	5B5V154(R1)	-	-	6B5V154(R1)	-	-	-	-
15.9	5R5V160(R1)	55V1600E	-	6S5V160(S1)	65V1600F	-	8S5V160(S1)	85V1600F	10U5V160(U1)	105V1600J
16.1	-	-	5B5V160(R1)	-	-	6B5V160(R1)	-	-	-	-
18.5	-	-	5B5V184(R1)	-	-	6B5V184(R1)	-	-	-	-
18.6	-	55V1870F	-	-	65V1870F	-	-	85V1870J	-	105V1870J
20.1	-	-	5B5V200(R1)	-	-	6B5V200(R1)	-	-	-	
21.1	5S5V212(S1)	55V2120F	-	6S5V212(S1)	65V2120F	-	8U5V212(U1)	85V2120J	10U5V212(U1)	105V2120J
23.5	-	55V2360F	-	-	65V2360J	-	-	85V2360J	-	105V2360M
24.9	5S5V250(S1)	-	-	6S5V250(S1)	-	-	8U5V250(U1)	-	10U5V250(U1)	-
25.1	-	-	5B5V250(R1)	-	-	6B5V250(R1)	-	-	-	-
27.9	5S5V280(S1)	55V2800F	-	6S5V280(S1)	65V2800J	-	8U5V280(U1)	85V2800J	10U5V280(U1)	105V2800M
31.4	-	55V3150J	-	-	65V3150J	-	-	85V3150M	-	105V3150M
37.4	5U5V375(U0)	55V3750J	-	6U5V375(U0)	65V3750J	-	8U5V375(U1)	85V3750M	10U5V375(U1)	105V3750M
49.9	5U5V500(U0)	55V5000J	-	6U5V500(U0)	65V5000M	-	8U5V500(U1)	85V5000M	10U5V500(U1)	105V5000M

Letter suffix on part numbers for Q-D Sheaves indicates bushing size; bushing size is shown in parentheses for B5V and 5V Sheaves.

For complete catalog dimensions see eCatalog at www.emerson-ept.com

Stock Sheave Listing

Table No. 1 — 4 to 8 Groove "8V" Sheaves

Datum Diameters	4 Grooves		5 Grooves		6 Grooves		8 Grooves	
	Split Taper Bushing Page 84	Q-D® Bushing Page 102	Split Taper Bushing Page 84	Q-D Bushing Page 102	Split Taper Bushing Page 85	Q-D Bushing Page 102	Split Taper Bushing Page 85	Q-D Bushing Page 103
12.3"	4S8V125(S1)	48V1250F	5S8V125(S1)	58V1250F	6S8V125(S1)	68V1250F	8S8V125(S2)	88V1250J
13.0	4S8V132(S1)	48V1320F	5S8V132(S1)	58V1320F	6S8V132(S1)	68V1320F	8S8V132(S2)	88V1320J
13.8	4S8V140(S1)	48V1400F	5S8V140(S1)	58V1400F	6S8V140(S1)	68V1400F	8S8V140(S2)	88V1400J
14.8	4S8V150(S1)	48V1500F	5S8V150(S1)	58V1500F	6S8V150(S1)	68V1500J	8S8V150(S2)	88V1500J
15.8	4S8V160(S1)	48V1600F	5S8V160(S1)	58V1600F	6S8V160(S1)	68V1600J	8S8V160(S20	88V1600J
16.8	4S8V170(S1)	48V1700F	5S8V170(S1)	58V1700J	6S8V170(S1)	68V1700J	8U8V170(U1)	88V1700M
17.8	4S8V180(S1)	48V1800F	5S8V180(S1)	58V1800J	6S8V180(S1)	68V1800J	8U8V180(U1)	88V1800M
18.8	4S8V190(S1)	48V1900F	5S8V190(S1)	58V1900J	6S8V190(S1)	68V1900J	8U8V190(U1)	88V1900M
19.8	4S8V200(S1)	48V2000J	5S8V200(S1)	58V2000J	6S8V200(S1)	68V2000M	8U8V200(U1)	88V2000M
21.0	4S8V212(S1)	48V2120J	5S8V212(S1)	58V2120J	6S8V212(S1)	68V2120M	8U8V212(U1)	88V2120M
22.2	4U8V224(U0)	48V2240J	5U8V224(U0)	58V2240M	6U8V224(U0)	68V2240M	8U8V224(U1)	88V2240M
24.6	-	48V2480M	-	58V2480M	-	68V2480M	-	88V2480N
29.8	4U8V300(U0)	48V3000M	5U8V300(U0)	58V3000M	6U8V300(U0)	68V3000M	8U8V300(U1)	88V3000N
35.3	-	48V3550M	-	58V3550M	-	68V3550N	-	88V3550N
39.8	4U8V400(U0)	48V4000M	5U8V400(U0)	58V4000M	6U8V400(U0)	68V4000N	8W8V400(W1)	88V4000N
44.3	-	48V4550M	-	58V4550N	-	68V4550N	-	88V4550P
47.8	4U8V480(U0)	-	5U8V480(U0)	-	6U8V480(U0)	-	8W8V480(W1)	-
52.8	4U8V530(U0)	48V5300M	5U8V530(U0)	58V5300N	6U8V530(U0)	68V5300N	8W8V530(W1)	88V5300P
57.8	4U8V580(U0)	-	5U8V580(U0)	-	6U8V580(U0)	-	8W8V580(W1)	-
62.8	-	-	-	-	-	-	-	88V6300P
63.8	4U8V640(U0)	-	5U8V640(U0)	-	6U8V640(U0)	-	8W8V640(W1)	-

Table No. 2 — 10 to 14 Groove "8V" Sheaves

Datum Diameters	10 Grooves		12 Grooves		14 Grooves
	Split Taper Bushing Page 86	Q-D Bushing Page 103	Split Taper Bushing Page 86	Q-D Bushing Page 103	Split Taper Bushing Page 86
12.3"	10U8V125(U1)	108V1250J	12U8V125(U2)	128V1250M	14U8V125(U2)
13.0	10U8V132(U1)	108V1320J	12U8V132(U2)	128V1320M	14U8V132(U2)
13.8	10U8V140(U1)	108V1400J	12U8V140(U2)	128V1400M	14U8V140(U2)
14.8	10U8V150(U1)	108V1500M	12U8V150(U2)	128V1500M	14U8V150(U2)
15.8	10U8V160(U1)	108V1600M	12U8V160(U2)	128V1600M	14U8V160(U2)
16.8	10U8V170(U1)	108V1700M	12U8V170(U2)	128V1700M	14U8V170(U2)
17.8	10U8V180(U1)	108V1800M	12U8V180(U2)	128V1800M	14U8V180(U2)
18.8	10U8V190(U1)	108V1900M	12U8V190(U2)	128V1900N	14U8V190(U2)
19.8	10U8V200(U1)	108V2000M	12U8V200(U2)	128V2000N	14U8V200(U2)
21.0	10U8V212(U1)	108V2120M	12U8V212(U2)	128V2120N	14U8V212(U2)
22.2	10U8V224(U1)	108V2240N	12U8V224(U2)	128V2240N	14U8V224(U2)
24.6	-	108V2480N	-	128V2480N	-
29.8	10U8V300(U1)	108V3000N	12U8V300(U2)	128V3000P	14U8V300(U2)
35.3	-	108V3550P	-	128V3550P	-
39.8	10W8V400(W1)	108V4000P	12W8V400(W2)	128V4000P	14W8V400(W2)
44.3	-	108V4450P	-	128V4450P	-
47.8	10W8V480(W1)	-	12W8V480(W2)	-	14W8V480(W2)
52.8	10W8V530(W1)	108V5300P	12W8V530(W2)	-	14W8V530(W2)
57.8	10W8V580(W1)	-	12W8V580(W2)	-	14W8V580(W2)
62.8	-	-	-	-	-
63.8	10W8V640(W1)	-	12W8V640(W2)	-	14W8V640(W2)

Table No. 3
Browning Split Taper® Bushing Bores

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

Table No. 4
Q-D® Bushing Bores

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

Browning Split Taper® Bushing
Only bushing in the industry with a lifetime guarantee

- Solid flange to maintain concentric bores
- 3/4” taper per foot – self locking
- Double split barrel for positive clamping
- External key on most sizes for positive drive and greater torque carrying capabilities
- Available in inch, metric and spline bores
- Bore range from 3/8” to 10”

Browning®

The #1 Name in Belt Drive Products for HVAC/R

Quality Belt Drive Products for Commercial and Industrial Duty Applications

- Bushings
- Single and Multiple Groove Sheaves
- Variable Pitch Sheaves up to 750 hp.
- V-Belts

AS15 x 1/2 - BS32 x 1

Steel Sheaves

Single Groove Sheaves for "4L" or "A" and "5L or B" Belts

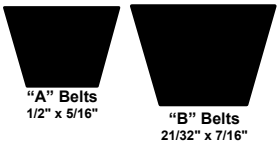


Table No. 1 Stock Sizes - Finished Bore

Part No.	DIAMETER		STOCK BORES MARKED "X"					DIMENSIONS	Wt. Lbs.
	Out-side	Datum "A"	1/2"	5/8"	3/4"	7/8"	1"	O.L	
AS15	1.50"	1.25"	X	X	-	-	-	1 1/16"	.2
AS17	1.75	1.50	X	X	X▲	-	-	1 1/16	.3
AS20	2.00	1.80	X	X•	X •	-	-	5/8	.3
AS21	2.10	1.90	X	X•	X •	-	-	5/8	.3
AS22	2.20	2.00	X	X	X•	-	-	5/8	.4
AS23	2.30	2.10	X	X	X	-	-	5/8	.4
AS25	2.50	2.30	X	X	X	X	-	5/8	.5
AS26	2.60	2.40	X	X	X	X	-	5/8	.5
AS27	2.70	2.50	X	X	X	X	-	5/8	.6
AS28	2.80	2.60	X	X	X	X	-	5/8	.6
AS30	3.05	2.80	X	X	X	X	X	5/8	.8
AS32	3.25	3.00	X	X	X	X	X	5/8	.9
AS34	3.45	3.20	X	X	X	X	X	5/8	1.0

▲ No keyseat. • Setscrew at 90° to keyseat.
All stock sizes are furnished with hollow head setscrew and individually packaged.

Table No. 2

Part No.	DIAMETER			STOCK BORES MARKED "X"									DIMENSIONS	Wt. Lbs.
	Out-side	Datum "A"	Datum "B"	1/2"	5/8"	3/4"	7/8"	1"	1 1/8"	1 3/16"	1 1/4"	1 7/16"	O.L.	
BS24	2.40"	1.80	2.20"	X	-	-	-	-	-	-	-	-	3/4"	.4
BS24	2.40	1.80	2.20	-	X	X	-	-	-	-	-	-	1 3/16	.5
BS25	2.50	1.90	2.30	X	-	-	-	-	-	-	-	-	3/4	5.
BS25	2.50	1.90	2.30	-	X	X	X	-	-	-	-	-	1 3/16	.7
BS26	2.60	2.00	2.40	X	-	-	-	-	-	-	-	-	3/4	.5
BS26	2.60	2.00	2.40	-	X	X	X	-	-	-	-	-	1 3/16	.7
BS27	2.70	2.10	2.50	X	X	-	-	-	-	-	-	-	3/4	.6
BS27	2.70	2.10	2.50	-	-	X	X	-	-	-	-	-	1 3/16	.8
BS28	2.96	2.20	2.60	X	X	X	X	-	-	-	-	-	3/4	.8
BS28	2.96	2.20	2.60	-	-	-	-	X	-	-	-	-	1 3/16	.8
BS30	3.16	2.40	2.80	X	X	X	X	X	-	-	-	-	3/4	1.0
BS32	3.36	2.60	3.00	X	X	X	X	X	-	-	-	-	3/4	1.1

For complete catalog dimensions see eCatalog at www.emerson-ept.com

AK17 x 1/2 - AK184 x 1 7/16

AK Cast Iron Sheaves

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

"3L" Belts may also be used with these sheaves as indicated in the table below.

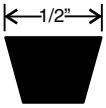


Table No. 1 **Stock Sizes - Finished Bore**

Part No.	DIAMETERS			STOCK BORES MARKED "X"											DIMENSIONS	Wt. Lbs.
	Outside	Datum "A"	Pitch "3L"	1/2"	5/8"	3/4"	7/8"	15/16"	1"	1 1/8"	1 3/16"	1 1/4"	1 3/8"	1 7/16"	O.L.	
▲ AK17	1.75"	1.50"	1.16"	X	X	-	-	-	-	-	-	-	-	-	1 3/32"	.2
▲ AK20	2.00	1.80	1.46	X	X	X	-	-	-	-	-	-	-	-	1 3/32	.3
▲ AK21	2.10	1.90	1.56	X	X	X	-	-	-	-	-	-	-	-	1 3/32	.4
▲ AK22	2.20	2.00	1.66	X	X	X	-	-	-	-	-	-	-	-	1 3/32	.5
▲ AK23	2.30	2.10	1.76	X	X	X	-	-	-	-	-	-	-	-	1 3/32	.5
▲ AK25	2.50	2.30	1.96	X	X	X	-	-	-	-	-	-	-	-	1 3/32	.5
▲ AK26	2.60	2.40	2.06	X	X	X	-	-	-	-	-	-	-	-	1 3/32	.5
▲ AK27	2.70	2.50	2.16	X	X	X	-	-	-	-	-	-	-	-	1 3/32	.6
▲ AK28	2.80	2.60	2.26	X	X	X	-	-	-	-	-	-	-	-	1 3/32	.7
▲ AK30	3.05	2.80	2.46	X	X	X	X	-	-	-	-	-	-	-	1 3/32	.7
▲ AK32	3.25	3.00	2.66	X	X	X	X	-	-	-	-	-	-	-	1 3/32	.7
▲ AK34	3.45	3.20	2.86	X	X	X	X	-	-	-	-	-	-	-	1 3/32	.9
AK39	3.75	3.50	3.16	X	X	X	X	X	X	-	-	-	-	-	1 7/32	1.4
AK41	3.95	3.70	3.36	X	X	X	X	X	X	-	-	-	-	-	1 7/32	1.5
AK44	4.25	4.00	3.66	X	X	X	X	X	X	X	-	-	-	-	1 7/32	1.5
AK46	4.45	4.20	3.86	X	X	X	X	X	X	X	-	-	-	-	1 7/32	1.5
AK49	4.75	4.50	4.16	X	X	X	X	X	X	X	-	-	-	-	1 7/32	1.7
AK51	4.95	4.70	4.36	X	X	X	X	-	X	X	-	-	-	-	1 7/32	1.7
AK54	5.25	5.00	4.66	X	X	X	X	X	X	X	X	-	-	-	1 7/32	1.8
AK56	5.45	5.20	4.86	X	X	X	X	X	X	X	X	-	-	-	1 7/32	1.9
AK59	5.75	5.50	5.16	X	X	X	X	X	X	X	X	-	-	-	1 7/32	2.0
AK61	5.95	5.70	5.36	X	X	X	X	X	X	X	X	-	-	-	1 7/32	2.1
AK64	6.25	6.00	5.66	X	X	X	X	X	X	X	X	-	-	-	1 7/32	2.2
AK66	6.45	6.20	5.86	-	X	X	-	-	X	X	-	-	-	-	1 7/32	2.3
AK69	6.75	6.50	6.16	-	-	X	-	-	X	X	-	-	-	-	1 17/32	3.5
AK71	6.95	6.70	6.36	-	X	X	-	-	X	X	-	-	-	X	1 17/32	3.8
▲ AK74	7.25	7.00	6.66	X	X	X	-	X	X	X	X	X	-	X	1 17/32	3.4
▲ AK79	7.75	7.50	7.16	-	-	X	-	-	X	X	-	-	-	X	1 17/32	4.0
▲ AK84	8.25	8.00	7.66	X	X	X	-	X	X	-	X	-	-	X	1 17/32	3.8
▲ AK89	8.75	8.50	8.16	-	-	X	-	-	X	X	-	-	-	X	1 17/32	4.3
▲ AK94	9.25	9.00	8.66	X	X	X	-	X	X	-	X	X	-	X	1 17/32	4.5
▲ AK99	9.75	9.50	9.16	-	-	X	-	-	X	-	-	-		X	1 17/32	5.3
▲AK104	10.25	10.00	9.66	-	X	X	-	-	X	-	X	X	X	X	1 17/32	5.1
▲ AK109	10.75	10.50	10.16	-	-	X	-	-	X	-	-	-	X	X	1 17/32	5.8
▲ AK114	11.25	11.00	10.66	-	-	X	-	-	X	-	-	-	-	X	1 17/32	5.6
▲ AK124	12.25	12.00	11.66	-	X	X	-	-	X	-	X	X	-	X	1 17/32	6.5
AK134	13.25	13.00	12.66	-	-	X	-	-	X	-	-	-	X	X	1 17/32	7.5
AK144	14.25	14.00	13.66	-	-	X	-	-	X	-	-	-	X	X	1 17/32	8.5
AK154	15.25	15.00	14.66	-	-	X	-	-	X	-	-	-	X	X	1 17/32	9.8
AK184	18.25	18.00	17.66	-	-	X	-	-	X	-	-	-	-	X	1 17/32	12.1

For bores not usually encountered, use FHP Bushings on page 152.

▲ Note: Do not use these "AK" Sheaves with bores 1" and under with Gripnotch® belt ratings.

Table No. 2
Standard Keyseats

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

The extensive Browning V-drive line means maximum economy, versatility and prompt availability for your every application - truly the right drive every time...for every service.

Browning "AK" Sheaves are accurately machined from fine grained cast iron, statically balanced, painted and individually packaged. They are furnished with standard keyseats and hollow head setscrews.

AKH Cast Iron Sheaves

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

"3L" Belts may also be used with these sheaves as indicated in the table below.

Table No. 1 Stock Sizes with Browning Split Taper® Bushings

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

Table No. 2 Stock "H" Bushings

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

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

See bushing specifications on page 152.

Browning Split Taper Bushings

- Highest torque carrying capacity.
- Double split barrel assures true concentricity.
- Inch, metric and spline bores available from stock.

For complete catalog dimensions see eCatalog at www.emerson-ept.com

2AK Cast Iron Sheaves

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

"3L" Belts may also be used with these sheaves as indicated in the table below.

Table No. 1 **Stock Sizes - Finished Bore**

Part No.	DIAMETERS			STOCK BORES MARKED "X"										DIMENSIONS	Wt. Lbs.
	Outside	Datum "A"	Pitch "3L"	1/2"	5/8"	3/4"	7/8"	15/16"	1"	1 1/8"	1 3/16"	1 3/8"	1 7/16"	O.L.	
2AK20	2.00"	1.80"	1.46"	X	X	X	-	-	-	-	-	-	-	1 27/32``	.8
2AK21	2.15	1.90	1.56	X	X	X	-	-	-	-	-	-	-	1 27/32	.9
2AK22	2.25	2.00	1.66	X	X	X	X	-	-	-	-	-	-	1 27/32	.9
2AK23	2.35	2.10	1.76	-	X	X	X	-	X	-	-	-	-	1 27/32	1.1
2AK25	2.55	2.30	1.96	-	X	X	X	-	X	-	-	-	-	1 27/32	1.3
2AK26	2.65	2.40	2.06	-	X	X	X	-	X	-	-	-	-	1 27/32	1.4.
2AK27	2.75	2.50	2.16	-	X	X	X	-	X	-	-	-	-	1 27/32	1.5
2AK28	2.85	2.60	2.26	-	X	X	X	-	X	-	-	-	-	1 27/32	1.8
2AK30	3.05	2.80	2.46	X	X	X	X	-	X	X	-	-	-	1 27/32	1.8
2AK32	3.25	3.00	2.66	-	X	X	X	-	X	X	-	-	-	1 27/32	2.1
2AK34	3.45	3.20	2.86	-	X	X	X	-	X	X	-	-	-	1 27/32	2.3
2AK39	3.75	3.50	3.16	-	X	X	X	-	X	X	-	-	-	1 27/32	2.6
2AK41	3.95	3.70	3.36	-	X	X	X	-	X	X	-	-	-	1 27/32	2.9
2AK44	4.25	4.00	3.66	-	X	X	X	-	X	X	-	-	-	1 27/32	3.0
2AK46	4.45	4.20	3.86	-	-	-	X	-	X	X	-	-	-	1 27/32	3.1
2AK49	4.75	4.50	4.16	-	-	X	X	-	X	X	-	X	-	1 27/32	3.6
2AK51	4.95	4.70	4.36	-	-	X	X	-	X	X	-	X	-	1 27/32	3.8
2AK54	5.25	5.00	4.66	-	X	X	X	-	X	X	-	X	-	1 27/32	3.3
2AK56	5.45	5.20	4.86	-	X	X	-	-	X	X	-	X	-	1 27/32	3.4
2AK59	5.75	5.50	5.16	-	-	-	-	-	X	X	-	X	-	1 27/32	3.5
2AK61	5.95	5.70	5.36	-	-	X	X	-	X	X	-	X	-	1 27/32	3.6
2AK64	6.25	6.00	5.66	-	-	X	-	-	X	X	X	X	X	1 23/32	4.8
2AK74	7.25	7.00	6.66	-	-	X	-	-	X	X	X	X	X	1 23/32	5.6
2AK84	8.25	8.00	7.66	-	-	X	-	X	X	X	X	X	X	1 23/32	6.4
2AK94	9.25	9.00	8.66	-	-	X	-	-	X	X	X	X	X	1 23/32	7.3
2AK104	10.25	10.00	9.66		-	X	-	X	X	-	X	-	X	1 23/32	8.1
2AK114	11.25	11.00	10.66	-	-	X	-	-	X	-	X	X	X	1 23/32	9.0
2AK124	12.25	12.00	11.66	-	-	X	-	-	X	-	X	-	X	1 23/32	9.8
2AK134	13.25	13.00	12.66	-	-	-	-	-	-	-	X	-	X	1 23/32	12.3
2AK144	14.25	14.00	13.66	-	-	-	-	-	X	-	-	-	X	1 23/32	13.9
2AK154	15.25	15.00	14.66	-	-	-	-	-	-	-	X	-	X	1 23/32	14.3
2AK184	18.25	18.00	17.66	-	-	-	-	-	-	-	X	-	X	1 23/32	17.4

Table No. 2
Standard Keyseats

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

The extensive Browning V-drive line means maximum economy, versatility and prompt availability for your every application - truly the right drive every time...for every service.

2AKH Cast Iron Sheaves

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

"3L" Belts may also be used with these sheaves as indicated in the table below.

Table No. 1 Stock Sizes with Browning Split Taper® Bushings

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

Table No. 2 Stock "H" Bushings

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

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

See bushing specifications on page 152.

Browning Split Taper Bushings

- Highest torque carrying capacity.
- Double split barrel assures true concentricity.
- Inch, metric and spline bores available from stock.

For complete catalog dimensions see eCatalog at www.emerson-ept.com

BK24 x 1/2 - BK190 x 1 7/16

BK Cast Iron Sheaves

Single Groove Sheaves
Combination Groove
for "4L" or "A" Belts and "5L" or "B" Belts

Table No. 1 — **Stock Sizes - Finished Bore**

Part No.	DIAMETER			STOCK BORES MARKED "X"											DIMENSIONS	Wt. Lbs.
	Outside	Datum "A"	Datum "B"	1/2"	5/8"	3/4"	7/8"	15/16"	1"	1 1/8"	1 3/16"	1 1/4"	1 3/8"	1 7/16"	O.L.	
▲BK24	2.40"	1.80"	2.20"	X	X	X	-	-	-	-	-	-	-	-	1 7/32"	.4
▲BK25	2.50	1.90	2.30	X	X	X	X	-	-	-	-	-	-	-	1 7/32	.5
▲BK26	2.60	2.00	2.40	X	X	X	X	-	-	-	-	-	-	-	1 7/32	.6
▲BK27	2.70	2.10	2.50	X	X	X	X	-	-	-	-	-	-	-	1 7/32	.6
▲BK28	2.95	2.20	2.60	X	X	X	X	-	-	-	-	-	-	-	1 7/32	.8
▲BK30	3.15	2.40	2.80	X	X	X	X	-	-	-	-	-	-	-	1 7/32	.8
▲BK32	3.35	2.60	3.00	X	X	X	X	-	-	-	-	-	-	-	1 7/32	.8
BK34	3.55	2.80	3.20	X	X	X	X	-	X	X	-	-	-	-	1 9/32	1.3
BK36	3.75	3.00	3.40	X	X	X	X	-	X	X	-	-	-	-	1 9/32	1.5
BK40	3.95	3.20	3.60	X	X	X	X	-	X	X	-	-	-		1 9/32	1.5
BK45	4.25	3.50	3.90	X	X	X	X	-	X	X	-	-	-	-	1 9/32	1.8
BK47	4.45	3.70	4.10	X	X	X	X	-	X	X	-	-	-	-	1 9/32	1.9
BK50	4.75	4.00	4.40	X	X	X	X	X	X	X	-	-	-	-	1 9/32	2.0
BK52	4.95	4.20	4.60	X	X	X	X	-	X	X	-	-	-	-	1 9/32	2.0
BK55	5.25	4.50	4.90	X	X	X	X	-	X	X	X	-	-		1 9/32	2.2
BK57	5.45	4.70	5.10	-	X	X	X	X	X	X	-	-	-	-	1 9/32	2.3
BK60	5.75	5.00	5.40	X	X	X	X	-	X	X	X	-	-	-	1 9/32	2.3
BK62	5.95	5.20	5.60	X	X	X	X	X	X	X	X	-	-	-	1 9/32	2.4
BK65	6.25	5.50	5.90	-	X	X	-	-	X	X	-	-	-	-	1 9/32	2.7
BK67	6.45	5.70	6.10	-	X	X	-	-	X	X	-	-	-	-	1 9/32	2.8
BK70	6.75	6.00	6.40	-	X	X	-	X	X	X	X	-	-	X	1 17/32	3.3
BK72	6.95	6.20	6.60	-	-	X	-	-	X	X	-	-	X	X	1 17/32	3.9
BK75	7.25	6.50	6.80	-	-	X	-	-	X	X	-	-	-	X	1 17/32	3.9
BK77	7.45	6.70	7.10	-	-	X	-	-	X	X	-	-	X	X	1 17/32	4.1
BK80	7.75	7.00	7.40	-	X	X	X	-	X	X	X	X	X	X	1 17/32	4.4
BK85	8.25	7.50	7.90	-	-	X	-	-	X	X	-	-	X	X	1 17/32	5.0
BK90	8.75	8.00	8.40	-	-	X	X	X	X	X	X	-	X	X	1 17/32	5.0
BK95	9.25	8.50	8.90	-	-	X	-	-	X	X	-	-	X	X	1 17/32	5.4
BK100	9.75	9.00	9.40	-	-	X	X	-	X	X	X	X	X	X	1 17/32	5.6
BK105	10.25	9.50	9.90	-	-	-	-	-	X	-	-	-	X	X	1 17/32	5.8
BK110	10.75	10.00	10.40	-	-	X	-	-	X	X	X	-	X	X	1 17/32	6.4
BK115	11.25	10.50	10.90	-	-	-	-	-	X	-	-	-	X	X	1 17/32	6.9
BK120	11.75	11.00	11.40	-	-	X	-	-	X	-	X	-	X	X	1 17/32	7.4
BK130	12.75	12.00	12.40	-	-	X	-	-	X	X	X	X	-	X	1 17/32	8.4
BK140	13.75	13.00	13.40	-	-	X	-	-	X	-	X	-	-	X	1 17/32	9.4
BK160	15.75	15.00	15.40	-	-	-	-	-	X	X	X	X	-	X	1 17/32	11.4
BK190	18.75	18.00	18.40	-	-	-	-	-	X	-	X	X	-	X	1 17/32	13.4

For bores not usually encountered, use FHP Bushings on page 152.
▲ Note: Do not use these "BK" Sheaves with "B" Gripnotch® belt ratings.

Table No. 2
Standard Keyseats

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

The extensive Browning V-drive line means maximum economy, versatility and prompt availability for your every application - truly the right drive every time...for every service.

BKH Cast Iron Sheaves

Single Groove Sheaves
Combination Groove
for "4L" or "A" Belts and "5L" or "B" Belts

Table No. 1 Stock Sizes with Browning Split Taper® Bushings

Part No.	DIAMETER			DIMENSIONS	Wt. Lbs. Less Bush.
	O.D.	Datum "A"	Datum "B"	O.L.	
BK30H	3.15"	2.40"	2.80"	1 15/16"	1.2
BK32H	3.35	2.60	3.00	1 15/16	1.4
BK34H	3.55	2.80	3.20	1 15/16	1.6
BK36H	3.75	3.00	3.40	1 1/2	1.2
BK40H	3.95	3.20	3.60	1 1/2	1.4
BK45H	4.25	3.50	3.90	1 1/2	1.8
BK47H	4.45	3.70	4.10	1 1/2	2.2
BK50H	4.75	4.00	4.40	1 1/2	2.0
BK52H	4.95	4.20	4.60	1 1/2	2.1
BK55H	5.25	4.50	4.90	1 1/2	2.7
BK57H	5.45	4.70	5.10	1 1/2	2.7
BK60H	5.75	5.00	5.40	1 1/2	2.5
BK62H	5.95	5.20	5.60	1 1/2	2.6
BK65H	6.25	5.50	5.90	1 1/2	2.8
BK67H	6.45	5.70	6.10	1 1/2	2.9
BK70H	6.75	6.00	6.40	1 9/16	2.8
BK72H	6.95	6.20	6.60	1 9/16	3.1
BK75H	7.25	6.50	6.90	1 9/16	3.3
BK77H	7.45	6.70	7.10	1 9/16	3.8
BK80H	7.75	7.00	7.40	1 9/16	3.4
BK85H	8.25	7.50	7.90	1 9/16	3.8
BK90H	8.75	8.00	8.40	1 9/16	4.3
BK95H	9.25	8.50	8.90	1 9/16	5.0
BK100H	9.75	9.00	9.40	1 9/16	5.2
BK105H	10.25	9.50	9.90	1 9/16	5.5
BK110H	10.75	10.00	10.40	1 9/16	6.0
BK115H	11.25	10.50	10.90	1 9/16	6.4
BK120H	11.75	11.00	11.40	1 9/16	6.9
BK130H	12.75	12.00	12.40	1 9/16	6.9
BK140H	13.75	13.00	13.40	1 9/16	8.5
BK150H	14.75	14.00	14.40	1 9/16	9.5
BK160H	15.75	15.00	15.40	1 9/16	9.8
BK190H	18.75	18.00	18.40	1 9/16	12.8

Table No. 2 Stock "H" Bushings

Stock Bores	Keyseat
3/8"	None
7/16	None
1/2	1/8" x 1/16"
9/16	1/8 x 1/16
5/8	3/16 x 3/32
11/16	3/16 x 3/32
3/4	3/16 x 3/32
13/16	3/16 x 3/32
7/8	3/16 x 3/32
15/16	3/16 x 3/32
t	
1	1/4 x 1/8
1 1/16	1/4 x 1/8
1 1/8	1/4 x 1/8
1 3/16	1/4 x 1/8
1 1/4	1/4 x 1/16*
1 5/16	5/16 x 1/16*
1 3/8	5/16 x 1/16*
1 3/8	3/8 x 1/16*
1 7/16	3/8 x 1/16*
1 1/2	3/8 x 1/16*
Millimeter Bore	
10 mm	None
11	None
12	None
14	5 mm x 2.5 mm
16	5 x 2.5
18	6 x 3
19	6 x 3
20	6 x 3
22	6 x 3
24	8 x 3.5
25	8 x 3.5
28	8 x 3.5
30	8 x 3.5
32	10 x 4
35	10 x 4
36	10 x 4
38	10 x 4
Stock Spline Bores	
.978 - 10 Inv.	X
1 1/8 - 6B	X
1 3/8 - t6B	X
1 3/8 - 21 Inv.	X

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

See bushing specifications on page 152.

Browning Split Taper Bushings

- Highest torque carrying capacity.
- Double split barrel assures true concentricity.
- Inch, metric and spline bores available from stock.

For complete catalog dimensions see eCatalog at www.emerson-ept.com

2BK Cast Iron Sheaves

Two Groove Sheaves
Combination Groove
for "4L" or "A" Belts and "5L" or "B" Belts

Table No. 1 **Stock Sizes - Finished Bore**

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

Table No. 2
Standard Keyseats

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

The extensive Browning V-drive line means maximum economy, versatility and prompt availability for your every application - truly the right drive every time...for every service.

2BKH Cast Iron Sheaves

Two Groove Sheaves
Combination Groove
for "4L" or "A" Belts and "5L" or "B" Belts

Table No. 1 Stock Sizes with Browning Split Taper® Bushings

Part No.	DIAMETER			DIMENSIONS	Wt. Lbs.
	O.D.	Datum "A"	Datum "B"	O.L.	Less Bush.
2BK32H	3.35"	2.60"	3.00"	2 13/16"	2.1
2BK34H	3.55	2.80	3.20	2 13/16	2.4
2BK36H	3.75	3.00	3.40	2 3/8	2.0
2BK40H	3.95	3.20	3.60	2 3/8	2.4
2BK45H	4.25	3.50	3.90	2 3/8	3.0
2BK47H	4.45	3.70	4.10	1 3/4	2.8
2BK50H	4.75	4.00	4.40	1 3/4	3.3
2BK52H	4.95	4.20	4.60	1 3/4	3.6
2BK55H	5.25	4.50	4.90	1 3/4	3.9
2BK57H	5.45	4.70	5t.10	1 3/4	4.3
2BK60H	5.75	5.00	5.40	1 3/4	4.4
2BK62H	5.95	5.20	5.60	1 3/4	4.5
2BK65H	6.25	5.50	5.90	1 3/4	4.5
2BK67H	6.45	5.70	6.10	1 3/4	5.0
2BK70H	6.75	6.00	6.40	1 3/4	5.1
2BK80H	7.75	7.00	7.40	1 3/4	6.4
2BK90H	8.75	8.00	8.40	1 3/4	7.6
2BK100H	9.75	9.00	9.40	1 3/4	8.4
2BK110H	10.75	10.00	10.40	1 3/4	9.3
2BK120H	11.75	11.00	11.40	1 3/4	11.0
2BK130H	12.75	12.00	12.40	1 3/4	13.1
2BK140H	13.75	13.00	13.40	1 3/4	14.8
2BK160H	15.75	15.00	15.40	1 3/4	17.5
2BK190H	18.75	18.00	18.40	1 3/4	21.5

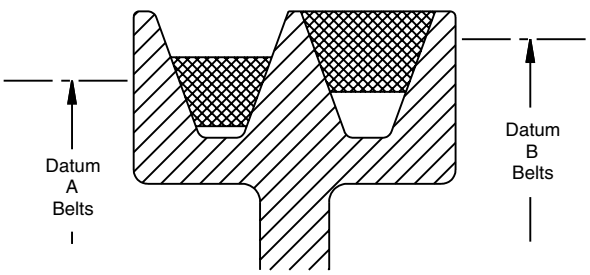
Table No. 2 Stock "H" Bushings

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

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

See bushing specifications on page 152.

Combination Groove



Browning Split Taper Bushings

- Highest torque carrying capacity.
- Double split barrel assures true concentricity.
- Inch, metric and spline bores available from stock.

For complete catalog dimensions see eCatalog at www.emerson-ept.com

B5V® Gripbelt® Sheaves with Browning Split Taper® Bushings

Table No. 1 Specifications - Stock B5V Sheaves

DIAMETERS				Part Number		Dimensions (Inches)	
Datum "A" Belts	Datum "B" Belts	Pitch "5V" Belts	Outside	Sheave	Bushing	OL	Wt. (Lbs.) Less Bush.
1 Groove, Face Width = 1							
3.8	4.2	4.3	4.48	**1B5V42**	**P1**	2 3/16	2.5
4.0	4.4	4.5	4.68	**1B5V44**	**P1**	2 3/16	2.8
4.2	4.6	4.7	4.88	**1B5V46**	**B**	2 3/16	2.5
4.4	4.8	4.9	5.08	**1B5V48**	**B**	2 3/16	2.9
4.6	5.0	5.1	5.28	**1B5V50**	**B**	2 3/16	3.3
4.8	5.2	5.3	5.48	**1B5V52**	**B**	2 3/16	3.7
5.0	5.4	5.5	5.68	**1B5V54**	**B**	2 3/16	4.1
5.2	5.6	5.7	5.88	**1B5V56**	**B**	2 3/16	4.5
5.4	5.8	5.9	6.08	**1B5V58**	**B**	2 3/16	5.0
5.6	6.0	6.1	6.28	**1B5V60**	**B**	2 3/16	5.4
5.8	6.2	6.3	6.48	**1B5V62**	**B**	2 3/16	5.3
6.0	6.4	6.5	6.48	**1B5V64**	**B**	2 3/16	5.6
6.2	6.6	6.7	6.88	**1B5V66**	**B**	2 3/16	6.0
6.4	6.8	6.9	7.08	**1B5V68**	**B**	2 3/16	6.4
6.6	7.0	7.1	7.28	**1B5V70**	**B**	2 3/16	6.8
7.0	7.4	7.5	7.68	**1B5V74**	**B**	2 3/16	7.7
7.6	8.0	8.1	8.28	**1B5V80**	**B**	2 5/16	7.5
8.2	8.6	8.7	8.88	**1B5V86**	**B**	2 5/16	7.9
8.6	9.0	9.1	9.28	**1B5V90**	**B**	2 5/16	8.2
9.0	9.4	9.5	9.68	**1B5V94**	**B**	2 5/16	8.5
10.6	11.0	11.1	11.28	**1B5V110**	**B**	2 5/16	10.3
12.0	12.4	12.5	12.68	**1B5V124**	**B**	2 5/16	11.5
13.2	13.6	13.7	13.88	**1B5V136**	**B**	2 5/16	13.3
15.0	15.4	15.5	15.68	**1B5V154**	**B**	2 5/16	15.5
15.6	16.0	16.1	16.28	**1B5V160**	**B**	2 5/16	16.6
18.0	18.4	18.5	18.68	**1B5V184**	**B**	2 5/16	20.0
19.5	20.0	20.1	20.28	**1B5V200**	**B**	2 5/16	21.8
22.9	23.4	23.5	23.68	**1B5V234**	**B**	2 5/16	28.2
24.5	25.0	25.1	25.28	**1B5V250**	**B**	2 5/16	31.4
27.3	27.8	27.9	28.08	**1B5V278**	**B**	2 5/16	36.5
2 Grooves, Face Width = 1 23/32							
3.8	4.2	4.3	4.48	**2B5V42**	**P1**	2 9/32	3.7
4.0	4.4	4.5	4.68	**2B5V44**	**P1**	2 3/16	4.1
4.2	4.6	4.7	4.88	**2B5V46**	**B**	2 31/64	3.3
4.4	4.8	4.9	5.08	**2B5V48**	**B**	2 31/64	3.9
4.6	5.0	5.1	5.28	**2B5V50**	**B**	2 31/64	4.6
4.8	5.2	5.3	5.48	**2B5V52**	**B**	2 31/64	5.3
5.0	5.4	5.5	5.68	**2B5V54**	**B**	2 31/64	6.0
5.2	5.6	5.7	5.88	**2B5V56**	**B**	2 31/64	6.7
5.4	5.8	5.9	6.08	**2B5V58**	**B**	2 31/64	7.4
5.6	6.0	6.1	6.28	**2B5V60**	**B**	2 31/64	8.2
5.8	6.2	6.3	6.48	**2B5V62**	**B**	2 31/64	9.2
6.0	6.4	6.5	6.48	**2B5V64**	**B**	2 31/64	8.4
6.2	6.6	6.7	6.88	**2B5V66**	**B**	2 31/64	11.4

- 5V Performance - B Groove Economy
- Combination groove will accept:
  4L - A - AX Belts
  5L - B - BX Belts
  5V - 5VX Belts
- 40% more HP per dollar of cost. (40% cost reduction).
- Reduced need for duplicate inventory of B and 5V Sheaves.
- Simplifies selection.

Table No. 2 Bushing Specifications

Part No.	Bore Range Type 1	Bore Range Type 2	Wt. (Lbs.)
P1	1/2 - 1 7/16	1 1/2 - 1 3/4	1.3
B	1/2 - 1 15/16	2 - 2 7/16	1.8

Browning Split Taper Bushings

- Keyed to shaft and hub. External key provides positive drive with no torque on the cap screws.
- Highest torque carrying capacity.
- Double split barrel assures true concentricity.
- Inch, metric and spline bores available from stock.

B5V® Gripbelt® Sheaves with Browning Split Taper® Bushings

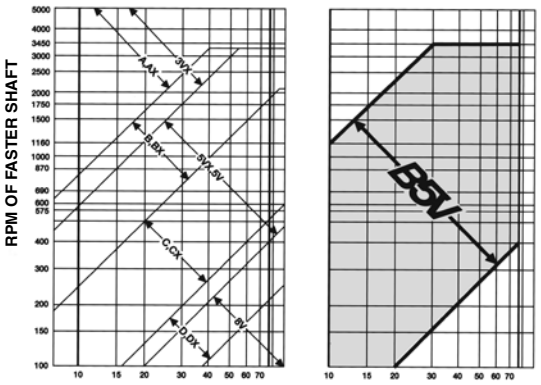
DIAMETERS				Part Number		Dimensions (Inches)	Wt. (Lbs.) Less Bush.
Datum "A" Belts	Datum "B" Belts	Pitch "5V" Belts	Outside	Sheave	Bushing	OL	
2 Grooves (Cont.), Face Width = 1 23/32							
6.4	6.8	6.9	7.08	2B5V68	B	2 31/64	10.2
6.6	7.0	7.1	7.28	2B5V70	B	2 31/64	12.3
7.0	7.4	7.5	7.68	2B5V74	B	2 31/64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

Browning B5V...The most significant advance in belt drives since the V-groove!

With the introduction of the revolutionary B5V line, Browning brings up-to-the-minute technology to drive design, operation and inventory control. Now - more than ever - when you specify Browning, you select from the most extensive V-belt drive line in the world.

- **Combination groove B5V Sheaves - with 170 plus components covering 10-125 hp range. Mix and match with conventional A, B and 5V components.**

B5V sheaves serve 90% of all 10-125 hp applications!



B5V® Gripbelt® Sheaves with Browning Split Taper® Bushings

Table No. 1 **Specifications - Stock "B5V" Sheaves**

DIAMETERS				Part Number		Dimensions (Inches)	Wt. (Lbs.) Less Bush.
Datum "A" Belts	Datum "B" Belts	Pitch "5V" Belts	Outside	Sheave	Bushing	OL	
5 Grooves, Face Width = 3 7/8							
3.8	4.2	4.3	4.48	**5B5V42**	**P2**	4 3/4	7.83
4.0	4.4	4.5	4.68	**5B5V44**	**P2**	4 3/4	8.73
4.2	4.6	4.7	4.88	**5B5V46**	**P2**	4 3/4	9.46
4.4	4.8	4.9	5.08	**5B5V48**	**P2**	4 3/4	10.31
4.6	5.0	5.1	5.28	**5B5V50**	**Q1**	4 29/32	9.63
4.8	5.2	5.3	5.48	**5B5V52**	**Q1**	4 29/32	10.79
5.0	5.4	5.5	5.68	**5B5V54**	**Q1**	4 29/32	11.98
5.2	5.6	5.7	5.88	**5B5V56**	**Q1**	4 9/32	10.41
5.4	5.8	5.9	6.08	**5B5V58**	**Q1**	4 9/32	12.35
5.6	6.0	6.1	6.28	**5B5V60**	**Q1**	4 9/32	13.86
5.8	6.2	6.3	6.48	**5B5V62**	**Q1**	4 9/32	14.94
6.0	6.4	6.5	6.48	**5B5V64**	**Q1**	4 9/32	16.78
6.2	6.6	6.7	6.88	**5B5V66**	**Q1**	4 9/32	17.19
6.4	6.8	6.9	7.08	**5B5V68**	**Q1**	4 9/32	18.09
6.6	7.0	7.1	7.28	**5B5V70**	**Q1**	4 1/4	21.05
7.0	7.4	7.5	7.68	**5B5V74**	**Q1**	4 1/4	20.95
7.6	8.0	8.1	8.28	**5B5V80**	**R1**	4 5/32	28.44
8.2	8.6	8.7	8.88	**5B5V86**	**R1**	4 5/32	26.89
8.6	9.0	9.1	9.28	**5B5V90**	**R1**	4 5/32	87.84
9.0	9.4	9.5	9.68	**5B5V94**	**R1**	4 5/32	28.61
10.6	11.0	11.1	11.28	**5B5V110**	**R1**	4 3/32	42.31
12.0	12.4	12.5	12.68	**5B5V124**	**R1**	4 3/32	52.15
13.2	13.6	13.7	13.88	**5B5V136**	**R1**	4 3/32	45.12
15.0	15.4	15.5	15.68	**5B5V154**	**R1**	4 3/32	55.98
15.6	16.0	16.1	16.28	**5B5V160**	**R1**	4 3/32	60.19
18.0	18.4	18.5	18.68	**5B5V184**	**R1**	4 3/32	77.25
19.5	20.0	20.1	20.28	**5B5V200**	**R1**	4 3/32	91.21
24.5	25.0	25.1	25.28	**5B5V250**	**R1**	4 3/32	130.19
6 Grooves, Face Width = 4 19/32							
3.8	4.2	4.3	4.48	**6B5V42**	**P2**	5 15/32	8.97
4.0	4.4	4.5	4.68	**6B5V44**	**P2**	5 15/32	9.93
4.2	4.6	4.7	4.88	**6B5V46**	**P2**	5 15/32	10.64
4.4	4.8	4.9	5.08	**6B5V48**	**P2**	5 15/32	11.53
4.6	5.0	5.1	5.28	**6B5V50**	**Q2**	5 5/8	10.91
4.8	5.2	5.3	5.48	**6B5V52**	**Q2**	5 5/8	12.13
5.0	5.4	5.5	5.68	**6B5V54**	**Q2**	5 5/8	13.39
5.2	5.6	5.7	5.88	**6B5V56**	**Q2**	5 5/8	12.86
5.4	5.8	5.9	6.08	**6B5V58**	**Q1**	5 5/8	13.65
5.6	6.0	6.1	6.28	**4B5V60**	**Q1**	5 5/8	11.0
5.8	6.2	6.3	6.48	**6B5V62**	**Q1**	5 5/8	16.51
6.0	6.4	6.5	6.68	**6B5V64**	**Q1**	5 5/8	17.38
6.2	6.6	6.7	6.88	**6B5V66**	**Q1**	5 5/8	18.52
6.4	6.8	6.9	7.08	**6B5V68**	**Q1**	5 5/8	20.14
6.6	7.0	7.1	7.28	**6B5V70**	**Q2**	4 39/64	23.01
7.0	7.4	7.5	7.68	**6B5V74**	**Q2**	4 39/64	22.93
7.6	8.0	8.1	8.28	**6B5V80**	**R1**	4 19/32	32.55
8.2	8.6	8.7	8.88	**6B5V86**	**R1**	4 19/32	29.63
8.6	9.0	9.1	9.28	**6B5V90**	**R1**	4 19/32	30.67
9.0	9.4	9.5	9.68	**6B5V94**	**R1**	4 19/32	31.35
10.6	11.0	11.1	11.28	**6B5V110**	**R1**	4 19/32	45.69
12.0	12.4	12.5	12.68	**6B5V124**	**R1**	4 19/32	52.23
13.2	13.6	13.7	13.88	**6B5V136**	**R1**	4 19/32	48.81
15.0	15.4	15.5	15.68	**6B5V154**	**R1**	4 19/32	60.36
15.6	16.0	16.1	16.28	**6B5V160**	**R1**	4 19/32	63.72
18.0	18.4	18.5	18.68	**6B5V184**	**R1**	4 19/32	82.89
19.5	20.0	20.1	20.28	**6B5V200**	**R1**	4 19/32	100.23
24.5	25.0	25.1	25.28	**6B5V250**	**R1**	4 19/32	140.18

- 5V Performance - B Groove Economy
- Combination groove will accept:
  - 4L - A - AX Belts
  - 5L - B - BX Belts
  - 5V - 5VX Belts
- 40% more hp per dollar of cost. (40% cost reduction).
- Reduced need for duplicate inventory of B and 5V Sheaves.
- Simplifies selection.

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

Browning®

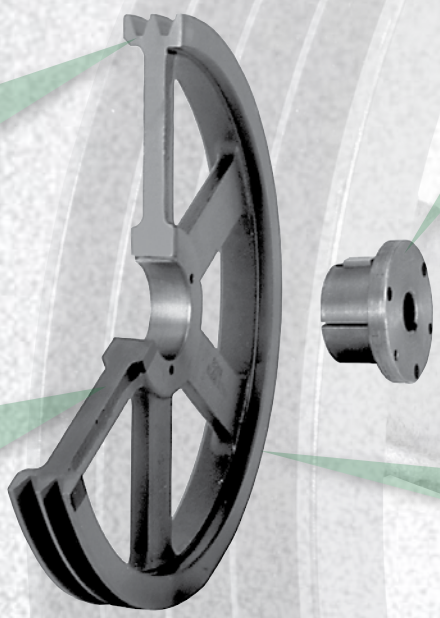
Proven B5V® Technology

Offers the greatest value in the belt drive industry

*Available 1 Through 6 Grooves, Up to 125 hp

Same sheave accommodates A, B & 5V Belts!
- Simplifies selection
- Reduces inventories
- 5V performance — B groove economy

Utilizes the popular Split Taper design
- Bore range — 1/2" - 3 3/4"
- Shorter barrel length — less shaft space
- Used extensively throughout line



Created through CAD and Finite Element Analysis
- Lighter weight
- Higher Strength
- Better Balance

Increased capacity
- Expanded offering
- Now through 125 hp
- 1 through 6 groove
- Accomodates 1/2" - 3 3/4" shafts

B5V packs into just 180 components what previously comprised some 700 different items of various types and configurations. And it does it without sacrificing flexibility, capacity or economy. In fact, the B5V design directly addresses and solves many of the V-drive problems which have plagued buyers and specifiers since V-drives were invented.

This breakthrough in V-drive technology means you can...
- Experience fewer false starts in drive selection
- Reduce the need to oversize a drive to meet shaft capacity
- Substantially reduce component inventories
- Get more horsepower for your V-drive dollar

Single groove 5V sheaves – never before available

Because B5V offers a full range of sizes 1 through 6 grooves, for the first time you can select the higher capacity of 5V drives in a single groove sheave. This greatly expands 5V application possibilities and further enhances cost savings potential.

Mix and match with present drive components

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

TB Gripbelt® Sheaves with Browning Split Taper® Bushings

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

Table No. 1 Specifications - Stock "TB" Sheaves

DIAMETERS				1 Groove, Face Width = 1"			
				Part Number		Dimensions	Wt. Less Bush.
Datum "A"	Datum "B"	Out-side	In-side	Sheave	Bushing	OL	
3.0"	3.4"	3.75"	-	**1TB34**	**P1**	2 5/16"	2.0
3.2	3.6	3.95	-	**1TB36**	**P1**	2 5/16	2.3
3.4	3.8	4.15	-	**1TB38**	**P1**	2 5/16	2.6
3.6	4.0	4.35	-	**1TB40**	**P1**	2 3/16	2.1
3.8	4.2	4.55	-	**1TB42**	**P1**	2 3/16	2.4
4.0	4.4	4.75	-	**1TB44**	**P1**	2 3/16	2.8
4.2	4.6	4.95	-	**1TB46**	**P1**	2 3/16	3.1
4.4	4.8	5.15	-	**1TB48**	**P1**	2 3/16	3.5
4.6	5.0	5.35	-	**1TB50**	**P1**	2 3/16	3.9
4.8	5.2	5.55	-	**1TB52**	**P1**	2 3/16	4.1
5.0	5.4	5.75	-	**1TB54**	**P1**	2 3/16	4.6
5.2	5.6	5.95	-	**1TB56**	**P1**	2 3/16	5.1
5.4	5.8	6.15	-	**1TB58**	**P1**	2 3/16	5.6
5.6	6.0	6.35	4 1/2"	**1TB60**	**P1**	2 3/16	6.0
5.8	6.2	6.55	4 11/16	**1TB62**	**P1**	2 3/16	5.5
6.0	6.4	6.75	4 7/8	**1TB64**	**P1**	2 3/16	5.8
6.2	6.6	6.95	5 1/16	**1TB66**	**P1**	2 3/16	5.9
6.4	6.8	7.15	5 5/16	**1TB68**	**P1**	2 3/16	6.1
6.6	7.0	7.35	5 1/2	**1TB70**	**P1**	2 3/16	6.4
7.0	7.4	7.75	5 15/16	**1TB74**	**P1**	2 3/16	7.3
7.6	8.10	8.35	6 1/2	**1TB80**	**P1**	2 3/16	7.8
8.2	8.6	8.95	7 1/16	**1TB86**	**P1**	2 3/16	8.6
8.6	9.0	9.35	7 1/2	**1TB90**	**P1**	2 3/16	8.9
9.0	9.4	9.75	7 15/16	**1TB94**	**P1**	2 3/16	9.1
10.6	11.0	11.35	9 7/16	**1TB110**	**P1**	2 3/16	11.1
12.0	12.4	12.75	10 15/16	**1TB124**	**Q1**	2 25/32	17.8
13.2	13.6	13.95	12 1/16	**1TB136**	**Q1**	2 25/32	18.2
15.0	15.4	15.75	13 15/16	**1TB154**	**Q1**	2 25/32	20.3
15.6	16.0	16.35	14 1/2	**1TB160**	**Q1**	2 25/32	22.0
18.0	18.4	18.75	16 15/16	**1TB184**	**Q1**	2 25/32	27.5
19.5	20.0	20.35	18 1/2	**1TB200**	**Q1**	2 25/32	27.2
24.5	25.0	25.35	23 1/2	**1TB250**	**Q1**	2 25/32	42.4
29.5	30.0	30.35	28 1/2	**1TB300**	**Q1**	2 25/32	56.0
37.5	38.0	38.35	36 1/2	**1TB380**	**Q1**	2 25/32	78.0

- 1 - 6 grooves
- 3.75" - 38.35" O.D.
- 1/2" - 2 11/16" bore range
- Machined from fine grain cast iron
- Precision balanced
- Easy on - easy off

Table No. 2 Standard Keyseats

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

1 3/8" bore bushings also available with 3/8" x 3/16" keyseat.

Table No. 3 Bushing Dimensions

Part No.	Bore Range	Wt. Lbs.
P1	1/2" - 1 3/4"	1 1/4
P2	3/4 - 1 3/4	1 1/2
Q1	3/4 - 2 11/16	3 1/2

Browning Split Taper Bushings

- Keyed to shaft and hub. External key provides positive drive with no torque on the cap screws.
- Highest torque carrying capacity.
- Double split barrel assures true concentricity.
- Inch, metric and spline bores available from stock.

TB Gripbelt® Sheaves with Browning Split Taper® Bushings

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

Table No. 1 Specifications - Stock "TB" Sheaves

DIAMETERS				2 Grooves, Face Width = 1 3/4"			
Datum "A"	Datum "B"	Outside	Inside	Part Number		Dimensions	Wt. Less Bush.
				Sheave	Bushing	OL	
3.0"	3.4"	3.75"	-	2TB34	P1	3 1/16"	2.9
3.2	3.6	3.95	-	2TB36	P1	3 1/16	3.8
3.4	3.8	4.15	1 5/16"	2TB38	P1	2 5/8	3.0
3.6	4.0	4.35	2 1/2	2TB40	P1	2 5/8	3.8
3.8	4.2	4.55	2 11/16	2TB42	P1	2 5/8	3.9
4.0	4.4	4.75	2 7/8	2TB44	P1	2 3/16	3.9
4.2	4.6	4.95	3 1/16	2TB46	P1	2 3/16	4.5
4.4	4.8	5.15	3 5/16	2TB48	P1	2 3/16	5.3
4.6	5.0	5.35	3 1/2	2TB50	P1	2 3/16	5.6
4.8	5.2	5.55	3 11/16	2TB52	P1	2 3/16	6.1
5.0	5.4	5.75	3 7/8	2TB54	P1	2 3/16	6.5
5.2	5.6	5.95	4 1/16	2TB56	P1	2 3/16	7.4
5.4	5.8	6.15	4 5/16	2TB58	P1	2 3/16	8.0
5.6	6.0	6.35	4 1/2	2TB60	P1	2 3/16	8.9
5.8	6.2	6.55	4 11/16	2TB62	P1	2 3/16	7.6
6.0	6.4	6.75	4 7/8	2TB64	P1	2 3/16	7.8
6.2	6.6	6.95	5 1/16	2TB66	P1	2 3/16	8.3
6.4	6.8	7.15	5 5/16	2TB68	P1	2 3/16	8.8
6.6	7.0	7.35	5 1/2	2TB70	Q1	2 25/32	11.1
7.0	7.4	7.75	5 15/16	2TB74	Q1	2 25/32	11.5
7.6	8.0	8.35	6 1/2	2TB80	Q1	2 25/32	12.8
8.2	8.6	8.95	7 1/16	2TB86	Q1	2 25/32	16.0
8.6	9.0	9.35	7 1/2	2TB90	Q1	2 25/32	15.1
9.0	9.4	9.75	7 15/16	2TB94	Q1	2 25/32	15.5
10.6	11.0	11.35	9 7/16	2TB110	Q1	2 25/32	18.9
12.0	12.4	12.75	10 15/16	2TB124	Q1	2 25/32	21.1
13.2	13.6	13.95	12 1/16	2TB136	Q1	2 25/32	23.0
15.0	15.4	15.75	13 15/16	2TB154	Q1	2 25/32	24.8
15.6	16.0	16.35	14 1/2	2TB160	Q1	2 25/32	27.0
18.0	18.4	18.75	16 15/16	2TB184	Q1	2 25/32	32.3
19.5	20.0	20.35	18 1/2	2TB200	Q1	2 25/32	42.3
24.5	25.0	25.35	23 1/2	2TB250	Q1	2 25/32	50.3
29.5	30.0	30.35	28 1/2	2TB300	Q1	2 25/32	68.8
37.5	38.0	38.35	35 1/2	2TB380	Q1	2 25/32	95.5

For optimum sheave selection, see B5V® Stock Sheave Listing on pages 28-31.

Table No. 2

DIAMETERS				3 Grooves, Face Width = 2 1/2"			
Datum "A"	Datum "B"	Outside	Inside	Part Number		Dimensions	Wt. Less Bush.
				Sheave	Bushing	OL	
3.0"	3.4"	3.75"	2"	3TB34	P2	3 13/16"	3.8
3.2	3.6	3.95	2 1/16	3TB36	P2	3 13/16	4.4
3.4	3.8	4.15	2 5/16	3TB38	P1	3 3/8	3.8
3.6	4.0	4.35	2 1/2	3TB40	P1	3 3/8	4.5
3.8	4.2	4.55	2 11/16	3TB42	P1	3 3/8	4.9
4.0	4.4	4.75	2 7/8	3TB44	P1	2 3/4	5.1
4.2	4.6	4.95	3 1/16	3TB46	P1	2 3/4	6.0
4.4	4.8	5.15	3 5/16	3TB48	P1	2 3/4	6.3
4.6	5.0	5.35	3 1/2	3TB50	P1	2 3/4	6.9
4.8	5.2	5.55	3 11/16	3TB52	P1	2 3/4	7.5
5.0	5.4	5.75	3 7/8	3TB54	P1	2 3/4	8.3
5.2	5.6	5.95	4 1/16	3TB56	P1	2 3/4	9.0
5.4	5.8	6.15	4 5/16	3TB58	P1	2 3/4	9.6
5.6	6.0	6.35	4 1/2	3TB60	P1	2 3/4	10.5
5.8	6.2	6.55	4 11/16	3TB62	P1	2 3/4	9.4
6.0	6.4	6.75	4 7/8	3TB64	P1	2 3/4	9.5
6.2	6.6	6.95	5 1/16	3TB66	P1	2 3/4	10.0
6.4	6.8	7.15	5 5/16	3TB68	P1	2 3/4	10.4
6.6	7.0	7.35	5 1/2	3TB70	Q1	3 5/32	13.0
7.0	7.4	7.75	5 15/16	3TB74	Q1	3 5/32	13.3
7.6	8.0	8.35	6 1/2	3TB80	Q1	3 5/32	15.3
8.2	8.6	8.95	7 1/16	3TB86	Q1	3 5/32	18.9
8.6	9.0	9.35	7 1/2	3TB90	Q1	3 5/32	18.1
9.0	9.4	9.75	7 15/16	3TB94	Q1	3 5/32	18.0
10.6	11.0	11.35	9 7/16	3TB110	Q1	3 5/32	21.3
12.0	12.4	12.75	10 15/16	3TB124	Q1	3 5/32	25.4
13.2	13.6	13.95	12 1/16	3TB136	Q1	3 5/32	27.4
15.0	15.4	15.75	13 15/16	3TB154	Q1	3 5/32	29.8
15.6	16.0	16.35	14 1/2	3TB160	Q1	3 5/32	32.0
18.0	18.4	18.75	16 15/16	3TB184	Q1	3 5/32	37.8
19.5	20.0	20.35	18 1/2	3TB200	Q1	3 5/32	49.9
24.5	25.0	25.35	23 1/2	3TB250	Q1	3 5/32	61.0
29.5	30.0	30.35	28 1/2	3TB300	Q1	3 5/32	78.5
37.5	38.0	38.35	36 1/2	3TB380	Q1	3 5/32	110.0

For optimum sheave selection, see B5V Stock Sheave Listing on pages 28-31.

- 1 - 6 grooves
- 3.75" - 38.35" O.D.
- 1/2" - 2 11/16" bore range
- Machined from fine grain cast iron
- Precision balanced
- Easy on - easy off

Table No. 3 Bushing Dimensions

Part No.	Bore Range	Wt. Lbs.
P1	1/2" - 1 3/4"	1 1/4
P2	3/4 - 1 3/4	1 1/2
Q1	3/4 - 2 11/16	3 1/2

Browning Split Taper Bushings

- Keyed to shaft and hub. External key provides positive drive with no torque on the cap screws.
- Highest torque carrying capacity.
- Double split barrel assures true concentricity.
- Inch, metric and spline bores available from stock.

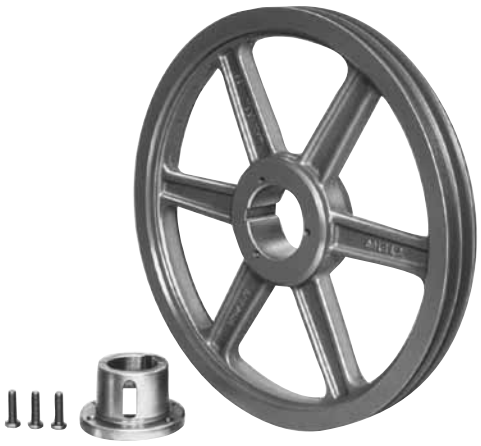
TB Gripbelt® Sheaves with Browning Split Taper® Bushings

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

Table No. 1 Specifications - Stock "TB" Sheaves

DIAMETERS				4 Grooves, Face Width = 13/4"			
Datum "A"	Datum "B"	Out-side	In-side	Part Number Sheave	Part Number Bushing	Dimensions OL	Wt. Less Bush.
3.0"	3.4"	3.75"	2"	**4TB34**	**P2**	4 9/16"	4.5
3.2	3.6	3.95	2 1/16	**4TB36**	**P2**	4 9/16	5.3
3.4	3.8	4.15	2 5/16	**4TB38**	**P1**	4 1/8	4.8
3.6	4.0	4.35	2 1/2	**4TB40**	**P1**	4 1/8	5.5
3.8	4.2	4.55	2 11/16	**4TB42**	**P1**	4 1/8	5.9
4.0	4.4	4.75	2 7/8	**4TB44**	**P1**	3 1/2	6.5
4.2	4.6	4.95	3 1/6	**4TB46**	**P1**	3 1/2	7.1
4.4	4.8	5.15	3 5/16	**4TB48**	**P1**	3 1/2	7.5
4.6	5.0	5.35	3 1/2	**4TB50**	**P1**	3 1/2	8.3
4.8	5.2	5.55	3 11/16	**4TB52**	**P1**	3 1/2	9.1
5.0	5.4	5.75	3 7/8	**4TB54**	**P1**	3 1/2	9.6
5.2	5.6	5.95	4 1/16	**4TB56**	**P1**	3 1/2	10.6
5.4	5.8	6.15	4 5/16	**4TB58**	**P1**	3 1/2	11.6
5.6	6.0	6.35	4 1/2	**4TB60**	**P1**	3 1/2	11.9
5.8	6.2	6.55	4 11/16	**4TB62**	**P1**	3 1/2	11.1
6.0	6.4	6.75	4 7/8	**4TB64**	**P1**	3 1/2	11.8
6.2	6.6	6.95	5 1/16	**4TB66**	**P1**	3 1/2	12.0
6.4	6.8	7.15	5 5/16	**4TB68**	**P1**	3 1/2	12.5
6.6	7.0	7.35	5 1/2	**4TB70**	**Q1**	3 17/32	15.3
7.0	7.4	7.75	5 15/16	**4TB74**	**Q1**	3 17/32	15.3
7.6	8.0	8.35	6 1/2	**4TB80**	**Q1**	3 17/32	17.0
8.2	8.6	8.95	7 1/16	**4TB86**	**Q1**	3 17/32	20.8
8.6	9.0	9.35	7 1/2	**4TB90**	**Q1**	3 17/32	20.6
9.0	9.4	9.75	7 15/16	**4TB94**	**Q1**	3 17/32	20.1
10.6	11.0	11.35	9 7/16	**4TB110**	**Q1**	3 17/32	25.8
12.0	12.4	12.75	10 15/16	**4TB124**	**Q1**	3 17/32	27.5
13.2	13.6	13.95	12 1/16	**4TB136**	**Q1**	3 17/32	31.5
15.0	15.4	15.75	13 15/16	**4TB154**	**Q1**	3 17/32	36.0
15.6	16.0	16.35	14 1/2	**4TB160**	**Q1**	3 17/32	39.0
18.0	18.4	18.75	16 15/16	**4TB184**	**Q1**	3 17/32	44.8
19.5	20.0	20.35	18 1/2	**4TB200**	**Q1**	3 17/32	57.0
24.5	25.0	25.35	23 1/2	**4TB250**	**Q1**	3 17/32	69.5
29.5	30.0	30.35	28 1/2	**4TB300**	**Q1**	3 17/32	90.8
37.5	38.0	38.35	36 1/2	**4TB380**	**Q1**	3 17/32	125.0

For optimum sheave selection, see B5V® Stock Sheave Listing on pages 28-31.



- 1 - 6 grooves
- 3.75" - 38.35" O.D.
- 1/2" - 2 11/16" bore range
- Machined from fine grain cast iron
- Precision balanced
- Easy on - easy off

Table No. 2 Standard Keyseats

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

1 3/8" bore bushings also available with 3/8" x 3/16" keyseat.

Table No. 3 Bushing Dimensions

Part No.	Bore Range	Wt. Lbs.
P1	1/2" - 1 3/4"	1 1/4
P2	3/4 - 1 3/4	1 1/2
Q1	3/4 2 11/16	3 1/2

Browning Split Taper Bushings

- Keyed to shaft and hub. External key provides positive drive with no torque on the cap screws.
- Highest torque carrying capacity.
- Double split barrel assures true concentricity.
- Inch, metric and spline bores available from stock.

TB Gripbelt® Sheaves with Browning Split Taper® Bushings

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

Table No. 1 Specifications - Stock "TB" Sheaves

DIAMETERS				5 Grooves, Face Width = 4"			
Datum "A"	Datum "B"	Out-side	In-side	Part Number		Dimensions	Wt. Less Bush.
				Sheave	Bushing	OL	
3.0"	3.4"	3.75"	2"	**5TB34**	**P2**	5 5/16"	5.3
3.2	3.6	3.95	2 1/16	**5TB36**	**P2**	5 5/16	6.1
3.4	3.8	4.15	1 5/16"	**5TB38**	**P2**	4 7/8	6.1
3.6	4.0	4.35	2 1/2	**5TB40**	**P2**	4 7/8	7.0
3.8	4.2	4.55	2 11/16	**5TB42**	**P2**	4 7/8	7.8
4.0	4.4	4.75	2 7/8	**5TB44**	**P2**	4 1/4	8.5
4.2	4.6	7.95	3 1/16	**5TB46**	**P2**	4 1/4	9.8
4.4	4.8	5.15	3 5/16	**5TB48**	**P2**	4 1/4	10.5
4.6	5.0	5.35	3 1/2	**5TB50**	**P2**	4 1/4	11.6
4.8	5.2	5.55	3 11/16	**5TB52**	**P2**	4 1/4	12.5
5.0	5.4	5.75	3 7/8	**5TB54**	**Q1**	4 9/32	10.4
5.2	5.6	5.95	4 1/16	**5TB56**	**Q1**	4 9/32	11.8
5.4	5.8	6.15	4 5/16	**5TB58**	**Q1**	4 9/32	12.8
5.6	6.0	6.35	4 1/2	**5TB60**	**Q1**	4 9/32	13.8
5.8	6.2	6.55	4 11/16	**5TB62**	**Q1**	4 9/32	14.8
6.0	6.4	6.75	4 7/8	**5TB64**	**Q1**	4 9/32	16.4
6.2	6.6	6.95	5 1/16	**5TB66**	**Q1**	4 9/32	17.1
6.4	6.8	7.15	5 5/16	**5TB68**	**Q1**	4 9/32	17.9
6.6	7.0	7.35	5 1/2	**5TB70**	**Q2**	4 13/32	20.9
7.0	7.4	7.75	5 15/16	**5TB74**	**Q2**	4 13/32	19.8
7.6	8.0	8.35	6 1/2	**5TB80**	**Q2**	4 13/32	22.3
8.2	8.6	8.95	7 1/16	**5TB86**	**Q2**	4 13/32	29.5
8.6	9.0	9.35	7 1/2	**5TB90**	**Q2**	4 13/32	28.6
9.0	9.4	9.75	7 15/16	**5TB94**	**Q2**	4 13/32	29.5
10.6	11.0	11.35	9 7/16	**5TB110**	**Q2**	4 13/32	32.8
12.0	12.4	12.75	10 15/16	**5TB124**	**Q2**	4 13/32	35.4
13.2	13.6	13.95	12 1/16	**5TB136**	**Q2**	4 13/32	41.0
15.0	15.4	15.75	13 15/16	**5TB154**	**Q2**	4 13/32	45.3
15.6	16.0	16.35	14 1/2	**5TB160**	**Q2**	4 13/32	48.0
18.0	18.4	18.75	16 15/16	**5TB184**	**Q2**	4 13/32	57.3
19.5	20.0	20.35	18 1/2	**5TB200**	**Q2**	4 13/32	66.0
24.5	25.0	25.35	23 1/2	**5TB250**	**Q2**	4 13/32	82.5
29.5	30.0	30.35	28 1/2	**5TB300**	**Q2**	4 13/32	117.0
37.5	38.0	38.35	36 1/2	**5TB380**	**Q2**	4 13/32	159.0

For optimum sheave selection, see B5V® Stock Sheave Listing on pages 28-31.

Table No. 2

DIAMETERS				6 Grooves, Face Width = 4 3/4			
Datum "A"	Datum "B"	Out-side	In-side	Part Number		Dimensions	Wt. Less Bush.
				Sheave	Bushing	OL	
3.0"	3.4"	3.75"	2"	**6TB34**	**P2**	6 1/16"	6.1
3.2	3.6	3.95	2 1/16	**6TB36**	**P2**	6 1/16	7.3
3.4	3.8	4.15	2 5/16	**6TB38**	**P2**	5 5/8	7.0
3.6	4.0	4.35	2 1/2	**6TB40**	**P2**	5 5/8	8.1
3.8	4.2	4.55	2 11/16	**6TB42**	**P2**	5 5/8	9.3
4.0	4.4	4.75	2 7/8	**6TB44**	**P2**	5	9.9
4.2	4.6	7.95	3 1/16	**6TB46**	**P2**	5	11.0
4.4	4.8	5.15	3 5/16	**6TB48**	**P2**	5	11.8
4.6	5.0	5.35	3 1/2	**6TB50**	**P2**	5	12.9
4.8	5.2	5.55	3 11/16	**6TB52**	**P2**	5	14.8
5.0	5.4	5.75	3 7/8	**6TB54**	**Q1**	5 1/32	11.8
5.2	5.6	5.95	4 1/16	**6TB56**	**Q1**	5 1/32	17.3
5.4	5.8	6.15	4 5/16	**6TB58**	**Q1**	5 1/32	14.5
5.6	6.0	6.35	4 1/2	**6TB60**	**Q1**	5 1/32	15.4
5.8	6.2	6.55	4 11/16	**6TB62**	**Q1**	5 1/32	16.4
6.0	6.4	6.75	4 7/8	**6TB64**	**Q1**	5 1/32	18.6
6.2	6.6	6.95	5 1/16	**6TB66**	**Q1**	5 1/32	18.5
6.4	6.8	7.15	5 5/16	**6TB68**	**Q1**	5 1/32	20.8
6.6	7.0	7.35	5 1/2	**6TB70**	**Q2**	4 25/32	22.8
7.0	7.4	7.75	5 15/16	**6TB74**	**Q2**	4 25/32	26.5
7.6	8.0	8.35	6 1/2	**6TB80**	**Q2**	4 25/32	24.1
8.2	8.6	8.95	7 1/16	**6TB86**	**Q2**	4 25/32	27.1
8.6	9.0	9.35	7 1/2	**6TB90**	**Q2**	4 25/32	30.6
9.0	9.4	9.75	7 15/16	**6TB94**	**Q2**	4 25/32	32.8
10.6	11.0	11.35	9 7/16	**6TB110**	**Q2**	4 25/32	36.6
12.0	12.4	12.75	10 15/16	**6TB124**	**Q2**	4 25/32	39.8
13.2	13.6	13.95	12 1/16	**6TB136**	**Q2**	4 25/32	44.9
15.0	15.4	15.75	13 15/16	**6TB154**	**Q2**	4 25/32	49.9
15.6	16.0	16.35	14 1/2	**6TB160**	**Q2**	4 25/32	54.0
18.0	18.4	18.75	16 15/16	**6TB184**	**Q2**	4 25/32	62.0
19.5	20.0	20.35	18 1/2	**6TB200**	**Q2**	4 25/32	74.0
24.5	25.0	25.35	23 1/2	**6TB250**	**Q2**	4 25/32	89.5
29.5	30.0	30.35	28 1/2	**6TB300**	**Q2**	4 25/32	128.0
37.5	38.0	38.35	36 1/2	**6TB380**	**Q2**	4 25/32	179.0

For optimum sheave selection, see B5V Stock Sheave Listing on pages 28-31.

- 1 - 6 grooves
- 3.75" - 38.35" O.D.
- 1/2" - 2 11/16" bore range
- Machined from fine grain cast iron
- Precision balanced
- Easy on - easy off

Table No. 3 Bushing Dimensions

Part No.	Bore Range	Wt. Lbs.
P1	1/2" - 1 3/4"	1 1/4
P2	3/4 - 1 3/4	1 1/2
Q1	3/4 2 11/16	3 1/2
Q2	1 - 2 5/8	4 1/2

Browning Split Taper Bushings

- Keyed to shaft and hub. External key provides positive drive with no torque on the cap screws.
- Highest torque carrying capacity.
- Double split barrel assures true concentricity.
- Inch, metric and spline bores available from stock.

B Gripbelt® Sheaves with Browning Split Taper® Bushings

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

Table No. 1 Specifications - Stock "B" Sheaves

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

For optimum sheave selection, see B5V® Stock Sheave Listing on pages 28-31.

- 2 - 10 grooves
- 5.75" - 38.35" O.D.
- 1/2" - 2 5/8" bore range
- Machined from fine grain cast iron
- Precision balanced
- Easy on - easy off

Table No. 2

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

For optimum sheave selection, see B5V Stock Sheave Listing on pages 28-31.

Table No. 3 Standard Keyseats

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

1 3/8" bore bushings also available with 3/8" x 3/16" keyseat.

Table No. 4 Bushing Dimensions

Part No.	Bore Range	Wt. Lbs.
Q1	3/4"—2 11/16"	3 1/2
R1	1 1/8—3 3/4	7 1/2

Browning Split Taper Bushings

- Keyed to shaft and hub. External key provides positive drive with no torque on the cap screws.
- Highest torque carrying capacity.
- Double split barrel assures true concentricity.
- Inch, metric and spline bores available from stock.

B Gripbelt® Sheaves with Browning Split Taper® Bushings

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

Table No. 1 Specifications - Stock "B" Sheaves

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

For optimum sheave selection, see B5V® Stock Sheave Listing on pages 28-31.

Table No. 2

DIAMETERS				5 Grooves, Face Width = 4"			
				Part Number		Dimensions	Wt.
Datum "A"	Datum "B"	Out-side	In-side	Sheave	Bush-ing	OL	Less Bush
6.6"	7.0"	7.35"	5 1/2"	**5B70R**	**R1**	4 3/4"	17.0
7.0	7.4	7.75	5 7/8	**5B74R**	**R1**	4 3/4	20.3
7.6	8.0	8.35	6 1/2	**5B80R**	**R1**	4 3/4	24.8
8.2	8.6	8.95	7 1/16	**5B86R**	**R1**	4 3/4	27.3
8.6	9.0	9.35	7 1/2	**5B90R**	**R1**	4 3/4	29.1
9.0	9.4	9.75	7 7/8	**5B94R**	**R1**	4 3/4	30.0
10.6	11.0	11.35	9 1/2	**5B110R**	**R1**	4 3/4	32.8
12.0	12.4	12.75	10 7/8	**5B124R**	**R1**	4 3/4	36.0
13.2	13.6	13.95	12 1/16	**5B136R**	**R1**	4 3/4	40.3
15.0	15.4	15.75	13 7/8	**5B154R**	**R1**	4 3/4	45.0
15.6	16.0	16.35	14 1/2	**5B160R**	**R1**	4 3/4	48.0
18.0	18.4	18.75	16 7/8	**5B184R**	**R1**	4 3/4	54.0
19.5	20..0	20.35	18 1/2	**5B200R**	**R1**	4 3/4	64.0
24.5	25.0	25.35	23 1/2	**5B250R**	**R1**	4 3/4	79.0
29.5	30.0	30.35	28 1/2	**5B300R**	**R1**	4 3/4	115
37.5	38.0	38.35	36 1/2	**5B350R**	**R1**	4 3/4	150

Table No. 3

DIAMETERS				6 Grooves, Face Width = 4 3/4"			
				Part Number		Dimensions	Wt.
Datum "A"	Datum "B"	Out-side	In-side	Sheave	Bush-ing	OL	Less Bush
6.6"	7.0"	7.35"	5 1/2"	**6B70R**	**R1**	4 3/4"	19.0
7.0	7.4	7.75	5 7/8	**6B74R**	**R1**	4 3/4	21.8
7.6	8.0	8.35	6 1/2	**6B80R**	**R1**	4 3/4	26.8
8.2	8.6	8.95	7 1/16	**6B86R**	**R1**	4 3/4	29.4
8.6	9.0	9.35	7 1/2	**6B90R**	**R1**	4 3/4	31.4
9.0	9.4	9.75	7 7/8	**6B94R**	**R1**	4 3/4"	32.8
10.6	11.0	11.35	9 1/2	**6B110R**	**R1**	4 3/4	37.0
12.0	12.4	12.75	10 7/8	**6B124R**	**R1**	4 3/4	39.4
13.2	13.6	13.95	12 1/16	**6B136R**	**R1**	4 3/4	45.3
15.0	15.4	15.75	13 7/8	**6B154R**	**R1**	4 3/4	49.1
15.6	16.0	16.35	14 1/2	**6B160R**	**R1**	4 3/4"	52.0
18.0	18.4	18.75	16 7/8	**6B184R**	**R1**	4 3/4	59.0
19.5	20..0	20.35	18 1/2	**6B200R**	**R1**	4 3/4	69.0
24.5	25.0	25.35	23 1/2	**6B250R**	**R1**	4 3/4	83.0
29.5	30.0	30.35	28 1/2	**6B300R**	**R1**	4 3/4	126
37.5	38.0	38.35	36 1/2	**6B380R**	**R1**	4 3/4	170

- 2 - 10 grooves
- 5.75" - 38.35" O.D.
- 1/2" - 2 5/8" bore range
- Machined from fine grain cast iron
- Precision balanced
- Easy on - easy off

Table No. 4 Bushing Dimensions

Part No.	Bore Range	Wt. Lbs.
Q1	3/4"—2 11/16"	3 1/2
R1	1 1/8—3 3/4	7 1/2

Browning Split Taper Bushings

- Keyed to shaft and hub. External key provides positive drive with no torque on the cap screws.
- Highest torque carrying capacity.
- Double split barrel assures true concentricity.
- Inch, metric and spline bores available from stock.

B Gripbelt® Sheaves with Browning Split Taper® Bushings

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

Table No. 1 Specifications - Stock "B" Sheaves

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

- 2 - 10 grooves
- 5.75" - 38.35" O.D.
- 1/2" - 2 5/8" bore range
- Machined from fine grain cast iron
- Precision balanced
- Easy on - easy off

Table No. 2 Standard Keyseats

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

1 3/8" bore bushings also available with 3/8" x 3/16" keyseat.

Table No. 3 Bushing Dimensions

Part No.	Bore Range	Wt. Lbs.
Q2	1"—2 5/8"	4 1/2
R2	1 3/8—3 5/8	11
S1	1 11/16—4 1/4	13 1/2
U0	2 3/8—3 3/16	30
U0	3 1/4—5 1/2	27

Browning Split Taper Bushings

- Keyed to shaft and hub. External key provides positive drive with no torque on the cap screws.
- Highest torque carrying capacity.
- Double split barrel assures true concentricity.
- Inch, metric and spline bores available from stock.

B Gripbelt® Sheaves with Browning Split Taper® Bushings

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

Table No. 1 Specifications - Stock "B" Sheaves

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

- 2 - 10 grooves
- 5.75" - 38.35" O.D.
- 1/2" - 2 5/8" bore range
- Machined from fine grain cast iron
- Precision balanced
- Easy on - easy off

Table No. 3 Bushing Dimensions

Part No.	Bore Range	Wt. Lbs.
Q2	1"—2 5/8"	4 1/2
R2	1 3/8—3 5/8	11
S1	1 11/16—4 1/4	13 1/2
U0	2 3/8—3 3/16	30
U0	3 1/4—5 1/2	27

Browning Split Taper Bushings

- Keyed to shaft and hub. External key provides positive drive with no torque on the cap screws.
- Highest torque carrying capacity.
- Double split barrel assures true concentricity.
- Inch, metric and spline bores available from stock.

For complete catalog dimensions see eCatalog at www.emerson-ept.com

TC Gripbelt® Sheaves with Browning Split Taper® Bushings

For Use with All "C" Section Belts

Table No. 1 Specifications - Stock "TC" Sheaves

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

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

- 1 - 6 grooves
- 7.40" - 24.40" O.D.
- 1/2" - 2 5/8" bore range
- Machined from fine grain cast iron
- Precision balanced
- Easy on - easy off

Table No. 2 Standard Keyseats

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

1 3/8" bore bushings also available with 3/8" x 3/16" keyseat.

Table No. 3 Bushing Dimensions

Part No.	Bore Range	Wt. Lbs.
Q1	3/4"—2 11/16"	3 1/2

Browning Split Taper Bushings

- Keyed to shaft and hub. External key provides positive drive with no torque on the cap screws.
- Highest torque carrying capacity.
- Double split barrel assures true concentricity.
- Inch, metric and spline bores available from stock.

TC Gripbelt® Sheaves with Browning Split Taper® Bushings

For Use with All "C" Section Belts

Table No. 1 Specifications - Stock "TC" Sheaves

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

Table No. 2

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

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

- 1 - 6 grooves
- 7.40" - 24.40" O.D.
- 1/2" - 2 5/8" bore range
- Machined from fine grain cast iron
- Precision balanced
- Easy on - easy off

Table No. 3 Bushing Dimensions

Part No.	Bore Range	Wt. Lbs.
Q1	3/4"—2 11/16"	3 1/2

Browning Split Taper Bushings

- Keyed to shaft and hub. External key provides positive drive with no torque on the cap screws.
- Highest torque carrying capacity.
- Double split barrel assures true concentricity.
- Inch, metric and spline bores available from stock.

For complete catalog dimensions see eCatalog at www.emerson-ept.com

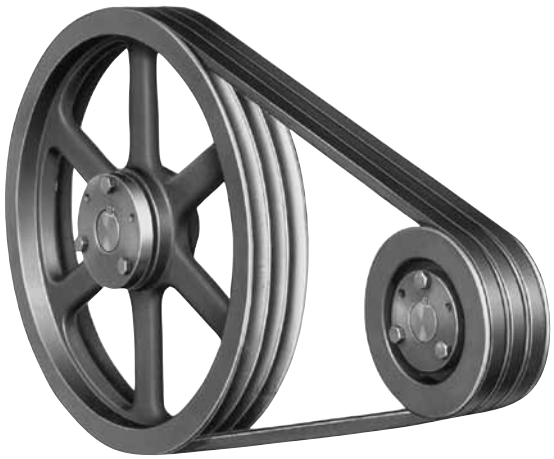
TC Gripbelt® Sheaves with Browning Split Taper® Bushings

For Use with All "C" Section Belts

Table No. 1 Specifications - Stock "TC" Sheaves

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

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



- 1 - 6 grooves
- 7.40" - 24.40" O.D.
- 1/2" - 2 5/8" bore range
- Machined from fine grain cast iron
- Precision balanced
- Easy on - easy off

Table No. 2 Standard Keyseats

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

1 3/8" bore bushings also available with 3/8" x 3/16" keyseat.

Table No. 3 Bushing Dimensions

Part No.	Bore Range	Wt. Lbs.
Q2	1"—2 5/8"	4 1/2

Browning Split Taper Bushings

- Keyed to shaft and hub. External key provides positive drive with no torque on the cap screws.
- Highest torque carrying capacity.
- Double split barrel assures true concentricity.
- Inch, metric and spline bores available from stock.

TC Gripbelt® Sheaves with Browning Split Taper® Bushings

For Use with All "C" Section Belts

Table No. 1 Specifications - Stock "TC" Sheaves

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

Table No. 2

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

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

- 1 - 6 grooves
- 7.40" - 24.40" O.D.
- 1/2" - 2 5/8" bore range
- Machined from fine grain cast iron
- Precision balanced
- Easy on - easy off

Table No. 3 Bushing Dimensions

Part No.	Bore Range	Wt. Lbs.
Q2	1"—2 5/8"	4 1/2

Browning Split Taper Bushings

- Keyed to shaft and hub. External key provides positive drive with no torque on the cap screws.
- Highest torque carrying capacity.
- Double split barrel assures true concentricity.
- Inch, metric and spline bores available from stock.

For complete catalog dimensions see eCatalog at www.emerson-ept.com

C Gripbelt® Sheaves with Browning Split Taper® Bushings

For Use with All "C" Section Belts

Table No. 1 Specifications - Stock "C" Sheaves

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

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

- 1 - 12 grooves
- 6.00" - 50.40" O.D.
- 1/2" - 5 1/2" bore range
- Machined from fine grain cast iron
- Precision balanced
- Easy on - easy off

Table No. 2 Standard Keyseats

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

1 3/8" bore bushings also available with 3/8" x 3/16" keyseat.

Table No. 3 Bushing Dimensions

Part No.	Bore Range	Wt. Lbs.
P1	1/2"—1 3/4"	1 1/4
P2	3/4—1 3/4	1 1/2
Q1	3/4—2 11/16	3 1/2
Q2	1—2 5/8	4 1/2
Q3	1 3/8—2 1/2	5 1/2
R1	1 1/8—3 3/4	7 1/2
R2	1 3/8—3 5/8	11
S1	1 11/16—4 1/4	13 1/2
S2	1 7/8—4 3/16	19
U0	2 3/8—3 3/16	30
U0	3 1/4—5 1/2	27

Browning Split Taper Bushings

- Keyed to shaft and hub External key provides positive drive with no torque on the cap screws.
- Highest torque carrying capacity.
- Double split barrel assures true concentricity.
- Inch, metric and spline bores available from stock.

C Gripbelt® Sheaves with Browning Split Taper® Bushings

For Use with All "C" Section Belts

Table No. 1 Specifications - Stock "C" Sheaves

DIAMETERS			Part Number		Dimensions	Wt. Less Bush.
Datum "C"	Outside	Inside	Sheave	Bushing	OL	
5 Grooves, Face Width = 5 1/4"						
9.0"	9.40"	7 3/16"	5C90R	R1	5 1/4"	33.4
9.2	9.60	7 3/8	5C92R	R1	5 1/4	36.8
9.4	9.80	7 5/8	5C94R	R1	5 1/4	35.8
9.6	10.00	7 13/16	5C96R	R1	5 1/4	35.4
9.8	10.20	8	5C98R	R1	5 1/4	37.6
10.0	10.40	8 3/16	5C100R	R1	5 1/4	38.9
10.2	10.60	8 3/8	5C102R	R1	5 1/4	40.6
10.6	11.00	8 13/16	5C106R	R1	5 1/4	39.0
11.0	11.40	9 1/4	5C110R	R1	5 1/4	38.8
12.0	12.40	10 1/4	5C120R	R1	5 1/4	47.5
13.0	13.40	11 1/4	5C130R	R1	5 1/4	46.0
14.0	14.40	12 1/4	5C140R	R1	5 1/4	52.0
15.0	15.40	13 1/4	5C150R	R1	5 1/4	54.0
16.0	16.40	14 1/4	5C160R	R1	5 1/4	63.0
18.0	18.40	16 1/4	5C180R	R1	5 1/4	69.0
18.0	18.40	16 1/4	5C180S	S1	5 23/32	100
20.0	20.40	18 1/4	5C200R	R1	5 1/4	77.0
20.0	20.40	18 1/4	5C200S	S1	5 23/32	99.0
24.0	24.40	22 1/4	5C240R	R1	5 1/4	110
24.0	24.40	22 1/4	5C240S	S1	5 23/32	129
27.0	27.40	25 1/4	5C270R	R2	5 25/32	131
30.0	30.40	28 1/8	5C300R	R2	5 25/32	150
30.0	30.40	28 1/8	5C300S	S1	5 23/32	160
36.0	36.40	34 1/8	5C360R	R2	5 25/32	194
44.0	44.40	42 1/8	5C440R	R2	5 25/32	243
50.0	50.40	48 1/8	5C500R	R2	5 25/32	273
6 Grooves, Face Width = 6 1/4"						
9.0"	9.40"	7 3/16"	6C90R	R2	6 9/32"	53.0
9.2	9.60	7 3/8	6C92R	R2	6 9/32	58.0
9.4	9.80	7 5/8	6C94R	R2	6 9/32	63.5
9.6	10.00	7 13/16	6C96R	R2	6 9/32	55.0
9.8	10.20	8	6C98R	R2	6 9/32	65.0
10.0	10.40	8 3/16	6C100R	R2	6 9/32	62.0
10.2	10.60	8 3/8	6C102R	R2	6 9/32	68.0
10.6	11.00	8 13/16	6C106R	R2	6 9/32	55.0
11.0	11.40	9 1/4	6C110R	R2	6 9/32	51.5
12.0	12.40	10 1/4	6C120R	R2	6 9/32	64.0
13.0	13.40	11 1/4	6C130R	R2	6 9/32	61.0
14.0	14.40	12 1/4	6C140R	R2	6 9/32	69.0
15.0	15.40	13 1/4	6C150R	R2	6 9/32	68.0
16.0	16.40	14 1/4	6C160R	R2	6 9/32	77.0
18.0	18.40	16 1/4	6C180R	R2	6 9/32	84.0
18.0	18.40	16 1/4	6C180S	S1	6 1/4	107
20.0	20.40	18 1/4	6C200R	R2	6 9/32	91.5
20.0	20.40	18 1/4	6C200S	S1	6 1/4	127
24.0	24.40	22 1/4	6C240R	R2	6 9/32	116
24.0	24.40	22 1/4	6C240S	S1	6 1/4	125
27.0	27.40	25 1/4	6C270R	R2	6 9/32	144
27.0	27.40	25 1/4	6C270S	S1	6 1/4	151
30.0	30.40	28 1/8	6C300R	R2	6 9/32	160
30.0	30.40	28 1/8	6C300U	U0	6 1/4	191
36.0	36.40	34 1/8	6C360R	R2	6 9/32	211
36.0	36.40	34 1/8	6C360U	U0	6 1/4	233
44.0	44.40	42 1/8	6C440R	R2	6 9/32	286
50.0	50.40	48 1/8	6C500R	R2	6 9/32	303
7 Grooves, Face Width = 7 1/4"						
7.0"	7.40"	5 3/8"	7C70Q	Q3	7 1/4"	37.5
8.0	8.40	6 3/8	7C80R	R2	7 1/4	45.6
8.6	9.00	6 15/16	7C86R	R2	7 1/4	52.8
9.0	9.40	7 3/16	7C90R	R2	7 1/4	58.0
9.2	9.60	7 3/8	7C92R	R2	7 1/4	63.0
9.4	9.80	7 5/8	7C94R	R2	7 1/4	68.0
9.8	10.20	8	7C98R	R2	7 1/4	73.0
10.0	10.40	8 3/16	7C100R	R2	7 1/4	71.0
10.2	10.60	8 3/8	7C102R	R2	7 1/4	76.0
10.6	11.00	8 13/16	7C106R	R2	7 1/4	71.0
11.0	11.40	9 1/4	7C110R	R2	7 1/4	68.0
12.0	12.40	10 1/4	7C120R	R2	7 1/4	67.0
13.0	13.40	11 1/4	7C130R	R2	7 1/4	84.0
14.0	14.40	12 1/4	7C140R	R2	7 1/4	83.0
15.0	15.40	13 1/4	7C150R	R2	7 1/4	86.0
16.0	16.40	14 1/4	7C160R	R2	7 1/4	88.0
18.0	18.40	16 1/4	7C180S	S2	7 29/32	137
18.0	18.40	16 1/4	7C180U	U0	7 1/4	133
20.0	20.40	18 1/4	7C200S	S2	7 29/32	152
20.0	20.40	18 1/4	7C200U	U0	7 1/4	144
24.0	24.40	22 1/4	7C240S	S2	7 29/32	173
27.0	27.40	25 1/4	7C270S	S2	7 29/32	197
27.0	27.40	25 1/4	7C270U	U0	7 1/4	196
30.0	30.40	28 1/8	7C300S	S2	7 29/32	220
30.0	30.40	28 1/8	7C300U	U0	7 1/4	217
36.0	36.40	34 1/8	7C360S	S2	7 29/32	279
44.0	44.40	42 1/8	7C440S	S2	7 29/32	337
50.0	50.40	48 1/8	7C500S	S2	7 29/32	382

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

- 1 - 12 grooves
- 6.00" - 50.40" O.D.
- 1/2" - 5 1/2" bore range
- Machined from fine grain cast iron
- Precision balanced
- Easy on - easy off

Table No. 2 Standard Keyseats

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

1 3/8" bore bushings also available with 3/8" x 3/16" keyseat.

Table No. 3 Bushing Dimensions

Part No.	Bore Range	Wt. Lbs.
P1	1/2"—1 3/4"	1 1/4
P2	3/4—1 3/4	1 1/2
Q1	3/4—2 11/16	3 1/2
Q2	1—2 5/8	4 1/2
Q3	1 3/8—2 1/2	5 1/2
R1	1 1/8—3 3/4	7 1/2
R2	1 3/8—3 5/8	11
S1	1 11/16—4 1/4	13 1/2
S2	1 7/8—4 3/16	19
U0	2 3/8—3 3/16	30
U0	3 1/4—5 1/2	27

Browning Split Taper Bushings

- Keyed to shaft and hub. External key provides positive drive with no torque on the cap screws.
- Highest torque carrying capacity.
- Double split barrel assures true concentricity.
- Inch, metric and spline bores available from stock.

C Gripbelt® Sheaves with Browning Split Taper® Bushings

For Use with All "C" Section Belts

Table No. 1 Specifications - Stock "C" Sheaves

DIAMETERS			Part Number		Dimensions	Wt.
Datum "C"	Out-side	In-side	Sheave	Bush-ing	O.L.	Less Bush.
8 Grooves, Face Width = 8 1/4"						
7.0	7.40"	5 3/8"	**8C70Q**	**Q3**	8 1/4"	40
8.0	8.40	6 3/8	**8C80R**	**R2**	8 1/4	49
8.6	9.00	6 15/16	**8C86R**	**R2**	8 1/4	57
9.0	9.40	7 3/16	**8C90R**	**R2**	8 1/4	62
9.2	9.60	7 3/8	**8C92R**	**R2**	8 1/4	68
9.4	9.80	7 5/8	**8C94R**	**R2**	8 1/4	73
9.6	10.00	7 13/16	**8C96R**	**R2**	8 1/4	70
9.8	10.20	8	**8C98R**	**R2**	8 1/4	76
10.0	10.40	8 3/16	**8C100R**	**R2**	8 1/4	72
10.2	10.60	8 3/8	**8C102R**	**R2**	8 1/4	79
10.6	11.00	8 13/16	**8C106R**	**R2**	8 1/4	76
11.0	11.40	9 1/4	**8C110R**	**R2**	8 1/4	73
12.0	12.40	10 1/4	**8C120R**	**R2**	8 1/4	74
13.0	13.40	11 1/4	**8C130R**	**R2**	8 1/4	80
14.0	14.40	12 1/4	**8C140R**	**R2**	8 1/4	84
15.0	15.40	13 1/4	**8C150R**	**R2**	8 1/4	93
16.0	16.40	14 1/4	**8C160R**	**R2**	8 1/4	100
18.0	18.40	16 1/4	**8C180S**	**S2**	8 13/32	140
18.0	18.40	16 1/4	**8C180U**	**U0**	8 1/4	141
20.0	20.40	18 1/4	**8C200S**	**S2**	8 13/32	163
20.0	20.40	18 1/4	**8C200U**	**U0**	8 1/4	160
24.0	24.40	22 1/4	**8C240S**	**S2**	8 13/32	194
24.0	24.40	22 1/4	**8C240U**	**U0**	8 1/4	184
27.0	27.40	25 1/4	**8C270S**	**S2**	8 13/32	224
30.0	30.40	28 1/4	**8C300S**	**S2**	8 13/32	212
30.0	30.40	28 1/8	**8C300U**	**U0**	8 1/4	227
36.0	36.40	34 1/8	**8C360S**	**S2**	8 13/32	261
36.0	36.40	34 1/8	**8C360U**	**U0**	8 1/4	288
44.0	44.40	42 1/8	**8C440S**	**S2**	8 13/32	368
44.0	44.40	42 1/8	**8C440U**	**U0**	8 1/4	358
50.0	50.40	48 1/8	**8C500S**	**S2**	8 13/32	429
50.0	50.40	48 1/8	**8C500U**	**U0**	8 1/4	417

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

- 1 - 12 grooves
- 6.00" - 50.40" O.D.
- 1/2" - 5 1/2" bore range
- Machined from fine grain cast iron
- Precision balanced
- Easy on - easy off

Table No. 2 Standard Keyseats

Bore Range	Keyseat
1 3/8"	5/16 X 5/32"
1 7/16" - 1 3/4"	3/8 X 3/16
1 13/16 - 2 1/4	1/2 X 1/4
2 5/16 - 2 3/4	5/8 X 5/16
2 13/16 - 3 1/4	3/4 X 3/8
3 3/8 - 3/34	7/8 X 7/16
3 7/8 - 4 1/2	1 X 1/2
4 5/8 - 5 1/2	1 1/4 X 5/8

1 3/8" bore bushings also available with 3/8" x 3/16" keyseat.

Table No. 3 Bushing Dimensions

Part Number	Bore Range	Wt. Lbs.
Q3	1 3/8" - 2 1/2"	5 1/2
R2	1 3/8 - 3 5/8	11
S2	1 7/8 - 4 3/16	19
U0	2 3/8 - 3 3/16	30
U0	3 1/4 - 5 1/2	27
U1	2 3/4 - 5 1/2	40

Browning Split Taper Bushings

- Keyed to shaft and hub. External key provides positive drive with no torque on the cap screws.
- Highest torque carrying capacity.
- Double split barrel assures true concentricity.
- Inch, metric and spline bores available from stock.

C Gripbelt® Sheaves with Browning Split Taper® Bushings

For Use with All "C" Section Belts

Table No. 1 Specifications - Stock "C" Sheaves

DIAMETERS			Part Number		Dimensions	Wt. Less Bush.
Datum "C"	Out-side	In-side	Sheave	Bush-ing	O.L.	
10 Grooves, Face Width = 10 1/4"						
8.0	8.40	6 3/8	**10C80R**	**R2**	10 1/4"	70
8.6	9.00	6 15/16	**10C86R**	**R2**	10 1/4	72
9.0	9.40	7 3/16	**10C90R**	**R2**	10 1/4	72
9.2	9.60	7 3/8	**10C92R**	**R2**	10 1/4	70
9.4	9.80	7 5/8	**10C94R**	**R2**	10 1/4	78
9.6	10.00	7 13/16	**10C96R**	**R2**	10 1/4	73
9.8	10.20	8	**10C98R**	**R2**	10 1/4	86
10.0	10.40	8 3/16	**10C100R**	**R2**	10 1/4	89
10.2	10.60	8 3/8	**10C102R**	**R2**	10 1/4	97
10.6	11.00	8 13/16	**10C106R**	**R2**	10 1/4	84
11.0	11.40	9 1/4	**10C110R**	**R2**	10 1/4	84
12.0	12.40	10 1/4	**10C120R**	**R2**	10 1/4	97
13.0	13.40	11 1/4	**10C130R**	**R2**	10 1/4	102
14.0	14.40	12 1/4	**10C140R**	**R2**	10 1/4	106
15.0	15.40	13 1/4	**10C150R**	**R2**	10 1/4	110
16.0	16.40	14 1/4	**10C160R**	**R2**	10 1/4	111
18.0	18.40	16 1/4	**10C180S**	**S2**	10 1/4	164
18.0	18.40	16 1/4	**10C180U**	**U0**	10 1/4	163
20.0	20.40	18 1/4	**10C200S**	**S2**	10 1/4	170
20.0	20.40	18 1/4	**10C200U**	**U0**	10 1/4	178
24.0	24.40	22 1/4	**10C240S**	**S2**	10 1/4	210
24.0	24.40	22 1/4	**10C240U**	**U0**	10 1/4	208
27.0	27.40	25 1/4	**10C270S**	**S2**	10 1/4	246
30.0	30.40	28 1/4	**10C300S**	**S2**	10 1/4	278
30.0	30.40	28 1/8	**10C300U**	**U1**	10 1/4	298
36.0	36.40	34 1/8	**10C360S**	**S2**	10 1/4	324
36.0	36.40	34 1/8	**10C360U**	**U1**	10 1/4	362
44.0	44.40	42 1/8	**10C440S**	**U1**	10 1/4	463
50.0	50.40	48 1/8	**10C500U**	**U1**	10 1/4	480
12 Grooves, Face Width = 12 1/4"						
9.0"	9.40"	7 3/16"	**12C90S**	**S2**	12 1/4"	88
9.2	9.60	7 3/8	**12C92S**	**S2**	12 1/4	93
9.4	9.80	7 5/8	**12C94S**	**S2**	12 1/4	104
9.6	10.00	7 13/16	**12C96S**	**S2**	12 1/4	102
9.8	10.20	8	**12C98S**	**S2**	12 1/4	111
10.0	10.40	8 3/16	**12C100S**	**S2**	12 1/4	112
10.2	10.60	8 3/8	**12C102S**	**S2**	12 1/4	121
10.6	11.00	8 13/16	**12C106S**	**S2**	12 1/4	133
11.0	11.40	9 1/4	**12C110S**	**S2**	12 1/4	128
12.0	12.40	10 1/4	**12C120S**	**S2**	12 1/4	140
13.0	13.40	11 1/4	**12C130S**	**S2**	12 1/4	165
14.0	14.40	12 1/4	**12C140S**	**S2**	12 1/4	148
15.0	15.40	13 1/4	**12C150S**	**S2**	12 1/4	162
16.0	16.40	14 1/4	**12C160S**	**S2**	12 1/4	163
18.0	18.40	16 1/4	**12C180U**	**U1**	12 1/4	204
20.0	20.40	18 1/4	**12C200U**	**U1**	12 1/4	224
24.0	24.40	22 1/4	**12C240U**	**U1**	12 1/4	257
27.0	27.40	25 1/4	**12C270U**	**U1**	12 1/4	300
30.0	30.40	28 1/4	**12C300U**	**U1**	12 1/4	327
36.0	36.40	34 1/8	**12C360U**	**U1**	12 1/4	397
44.0	44.40	42 1/8	**12C440U**	**U1**	12 1/4	519
50.0	50.40	48 1/8	**12C500U**	**U1**	12 1/4	551

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

- 1 - 12 grooves
- 6.00" - 50.40" O.D.
- 1/2" - 5 1/2" bore range
- Machined from fine grain cast iron
- Precision balanced
- Easy on - easy off

Table No. 3 Bushing Dimensions

Part Number	Bore Range	Wt. Lbs.
Q3	1 3/8" - 2 1/2"	5 1/2
R2	1 3/8 - 3 5/8	11
S2	1 7/8 - 4 3/16	19
U0	2 3/8 - 3 3/16	30
U0	3 1/4 - 5 1/2	27
U1	2 3/4 - 5 1/2	40

Browning Split Taper Bushings

- Keyed to shaft and hub. External key provides positive drive with no torque on the cap screws.
- Highest torque carrying capacity.
- Double split barrel assures true concentricity.
- Inch, metric and spline bores available from stock.

For complete catalog dimensions see eCatalog at www.emerson-ept.com

“358” Gripbelt® Drives

More Horsepower in Less Space

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

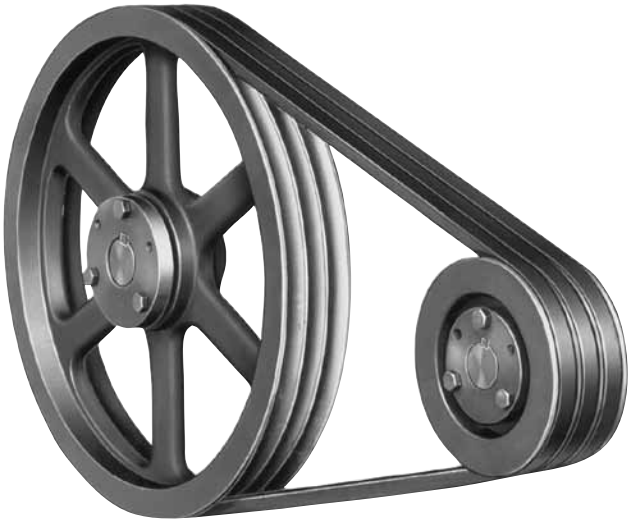
Browning “358” Gripbelt Drives are furnished in only three cross-sections to cover the entire range of drive requirements. This results in a substantial reduction of both belt and sheave inventories.

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

1. The “3V” belt measures 3/8” across the top and 5/16” in thickness and is available in lengths from 25” through 140”.

2. The “5V” belt measures 5/8” across the top and 17/32” in thickness and is available in lengths from 45” through 355”.

3. The “8V” belt measures 1” across the top and 7/8” in thickness and is available in lengths from 100” to 500”.



3V
3/8" x 5/16"

5V
5/8" x 17/32"

8V
1" x 29/32"

“358” Gripbelt® Sheaves

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

Classical and “358” Gripbelt Sheaves are available in either of two bushing types: Browning Split Taper® or Q-D®.

3V Finished Bore "358" Gripbelt® Sheaves

Table No. 1 Specifications - Stock "3V" Sheaves

DIAMETERS			Part No.	Dimensions	Stock Bores Marked "X"							Wt. Lbs.
Pitch "3V" Belts	Out-side	In-side		O.L.	C	5/8"	3/4"	7/8"	1"	1 1/8"	1 3/8"	
1 Groove												
2.60"	2.65"	-	**1F3V26**	1 7/64"	11/64"	X	X	-	-	-	-	.7
2.75	2.80	-	**1F3V28**	1 7/64"	11/64"	X	X	-	-	-	-	.8
2.95	300	-	**1F3V30**	1 7/64"	11/64"	-	X	X	-	-	-	.8
3.10	3.15	-	**1F3V31**	1 7/64"	11/64"	-	-	X	-	-	-	.8
3.30	3.35	-	**1F3V33**	1 7/64"	11/64"	-	-	X	-	-	-	1.0
2 Grooves												
2.60"	2.65"	-	**2F3V26**	1 9/16"	3/16"	-	X	X	X	-	-	1.3
2.75	2.80	-	**2F3V28**	1 9/16"	3/16"	-	X	X	X	-	-	1.4
2.95	300	-	**2F3V30**	1 9/16"	3/16"	-	-	X	X	-	-	1.4
3.10	3.15	-	**2F3V31**	1 9/16"	3/16"	-	-	X	X	X	-	1.0
3.30	3.35	-	**2F3V33**	1 9/16"	3/16"	-	-	X	X	X	-	1.9
3 Grooves												
2.60"	2.65"	-	**3F3V26**	1 31/32"	1/4"	-	-	X	X	X	-	1.5
2.75	2.80	-	**3F3V28**	1 31/32	1/4	-	-	X	X	X	-	1.7
2.95	300	-	**3F3V30**	1 31/32	1/4	-	-	-	X	X	-	1.9
3.10	3.15	-	**3F3V31**	1 31/32	1/4	-	-	-	X	X	-	2.1
3.30	3.35	-	**3F3V33**	1 31/32	1/4	-	-	-	X	X	-	2.5
4 Grooves												
2.60"	2.65"	-	**4F3V26**	2 3/8"	1/4"	-	-	X	X	X	-	1.9
2.75	2.80	-	**4F3V28**	2 3/8	1/4	-	-	X	X	X	-	2.4
2.90	3.00	-	**4F3V30**	2 3/8	1/4	-	-	-	X	X	X	2.5
3.10	3.15	-	**4F3V31**	2 3/8	1/4	-	-	-	X	X	X	2.8
3.30	3.35	-	**4F3V33**	2 3/8	1/4	-	-	-	X	X	X	3.4

Table No. 2 Standard Keyseats

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

Browning Split Taper Bushings

- Keyed to shaft and hub. External key provides positive drive with no torque on the cap screws.
- Highest torque carrying capacity.
- Double split barrel assures true concentricity.
- Inch, metric and spline bores available from stock.

3V
3/8" x 5/16"

- 1 - 10 grooves
- 2.65" - 33.50" O.D.
- 1/2" - 3 3/4" bore range
- Machined from fine grain cast iron
- Precision balanced
- Easy on - easy off

"358" Drives can reduce overall dimensions by as much as 40% and drive weight up to 25%. Material savings reflects in lower drive cost.

For complete catalog dimensions see eCatalog at www.emerson-ept.com

3V Gripbelt® Sheaves with Browning Split Taper® Bushings

Table No. 1 Specifications - Stock "3V" Sheaves

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

3V
3/8" x 5/16"

- 1 - 10 grooves
- 2.65" - 33.50" O.D.
- 1/2" - 3 3/4" bore range
- Machined from fine grain cast iron
- Precision balanced
- Easy on - easy off

Table No. 2 Standard Keyseats

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

1 3/8" bore bushings also available with 3/8" x 3/16" keyseat.

Table No. 3 Bore Range

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

Browning Split Taper Bushings

- Keyed to shaft and hub. External key provides positive drive with no torque on the cap screws.
- Highest torque carrying capacity.
- Double split barrel assures true concentricity.
- Inch, metric and spline bores available from stock.

3V Gripbelt® Sheaves with Browning Split Taper® Bushings

Table No. 1 Specifications - Stock "3V" Sheaves

DIAMETERS			Part Number		Dimensions	Wt. Less Bush.
Pitch "3V" Belts	Outside	Inside	Sheave	Bushing	OL	
2 Grooves, Face Width = 1 3/32"						
2.60"	2.65"	—	2G3V26	G	1 19/32"	.8
2.75	2.80	—	2G3V28	G	1 19/32	.9
2.95	3.00	—	2G3V30	G	1 19/32	1.3
3.10	3.15	2	2H3V31	H	1 19/32	.9
3.30	3.35	2	2H3V33	H	1 19/32	1.3
3.60	3.65	—	2H3V36	H	1 1/2	1.6
3.60	3.65	—	2P3V36	P1	2 3/16	2.0
4.07	4.12	—	2H3V41	H	1 1/2	2.3
4.07	4.12	—	2P3V41	P1	2 3/16	2.8
4.45	4.50	—	2H3V45	H	1 1/2	2.8
4.45	4.50	—	2P3V45	P1	2 3/16	3.5
4.70	4.75	—	2H3V47	H	1 1/2	3.1
4.70	4.75	—	2P3V47	P1	2 3/16	4.0
4.95	5.00	—	2H3V50	H	1 1/2	3.4
4.95	5.00	—	2P3V50	P1	2 3/16	4.6
5.25	5.30	—	2H3V53	H	1 1/2	3.7
5.25	5.30	—	2P3V53	P1	2 3/16	5.6
5.55	5.60	—	2H3V56	H	1 1/2	3.1
5.55	5.60	—	2P3V56	P1	2 3/16	6.0
5.95	6.00	—	2H3V60	H	1 1/2	3.6
5.95	6.00	—	2P3V60	P1	2 3/16	6.8
6.45	6.50	5 1/4"	2Q3V65	Q1	2 25/32	8.3
6.85	6.90	5 5/8	2Q3V69	Q1	2 25/32	9.8
7.95	8.00	6 1/2	2Q3V80	Q1	2 25/32	10.8
10.55	10.60	9 3/8	2Q3V106	Q1	2 25/32	13.5
13.95	14.00	12 3/4	2Q3V140	Q1	2 25/32	22.5
18.95	19.00	17 3/4	2Q3V190	Q1	2 25/32	28.9
24.95	25.00	23 5/8	2Q3V250	Q1	2 25/32	43.5
3 Grooves, Face Width = 1 1/2"						
2.60"	2.65"	—	3G3V26	G	2"	1.1
2.75	2.80	—	3G3V28	G	2	1.6
2.95	3.00	—	3G3V30	G	2	1.8
3.10	3.15	—	3H3V31	H	2	1.4
3.30	3.35	—	3H3V33	H	2	1.8
3.60	3.65	2 3/16"	3P3V36	P1	2 3/8	2.5
4.07	4.12	2 9/16	3P3V41	P1	2 3/8	3.0
4.45	4.5	3 5/16	3P3V45	P1	2 3/16	3.9
4.70	4.75	3 1/2	3P3V47	P1	2 3/16	4.4
4.95	5.00	3 13/16	3P3V50	P1	2 3/16	4.9
5.25	5.30	4 1/8	3P3V53	P1	2 3/16	5.9
5.55	5.60	4 3/8	3P3V56	P1	2 3/16	7.5
5.95	6.00	4 13/16	3P3V60	P1	2 3/16	8.0
6.45	6.50	5 1/4	3Q3V65	Q1	2 25/32	9.9
6.85	6.90	5 5/8	3Q3V69	Q1	2 25/32	11.3
7.95	8.00	6 1/2	3Q3V80	Q1	2 25/32	11.9
10.55	10.60	9 3/8	3Q3V106	Q1	2 25/32	15.1
13.95	14.00	12 3/4	3Q3V140	Q1	2 25/32	24.5
18.95	19.00	17 3/4	3R3V190	R1	3 5/32	35.1
24.95	25.00	23 5/8	3R3V250	R1	3 5/32	55.0
33.45	33.50	32 1/4	3R3V335	R1	3 5/32	80.0
4 Grooves, Face Width = 1 29/32"						
2.60"	2.65"	1 3/8"	4G3V26	G	2 13/32"	1.4
2.75	2.80	1 3/8	4G3V28	G	2 13/32	1.8
2.95	3.00	1 3/8	4G3V30	G	2 13/32	2.1
3.10	3.15	1 3/4	4H3V31	H	2 13/32	1.8
3.30	3.35	2	4H3V33	H	2 13/32	2.3
3.60	3.65	2 3/16	4P3V36	P1	2 25/32	2.8
4.07	4.12	2 9/16	4P3V41	P1	2 25/32	3.7
4.45	4.50	3 5/16	4P3V45	P1	2 3/16	4.4
4.70	4.75	3 1/2	4P3V47	P1	2 3/16	5.1
4.95	5.00	3 13/16	4P3V50	P1	2 3/16	5.8
5.25	5.30	4 1/8	4P3V53	P1	2 3/16	6.5
5.55	5.60	4 3/8	4P3V56	P1	2 3/16	8.1
5.95	6.00	4 3/4	4Q3V60	Q1	2 25/32	9.0
6.45	6.50	5 1/4	4Q3V65	Q1	2 55/64	11.1
6.85	6.90	5 5/8	4Q3V69	Q1	2 55/64	12.9
7.95	8.00	6 1/2	4Q3V80	Q1	2 55/64	13.1
10.55	10.60	9 3/8	4Q3V106	Q1	2 55/64	15.9
13.95	14.00	12 3/4	4Q3V140	Q1	2 55/64	25.4
18.95	19.00	17 3/4	4R3V190	R1	3 5/32	37.3
24.95	25.00	23 5/8	4R3V250	R1	3 5/32	60.0
33.45	33.50	32 1/4	4R3V335	R1	3 5/32	88.0

3V
3/8" x 5/16"

- 1 - 10 grooves
- 2.65" - 33.50" O.D.
- 1/2" - 3 3/4" bore range
- Machined from fine grain cast iron
- Precision balanced
- Easy on - easy off

Table No. 3 Bore Range

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

- Browning Split Taper Bushings
- Keyed to shaft and hub. External key provides positive drive with no torque on the cap screws.
- Highest torque carrying capacity.
- Double split barrel assures true concentricity.
- Inch, metric and spline bores available from stock.

3V Gripbelt® Sheaves with Browning Split Taper® Bushings

Table No. 1 Specifications - Stock "3V" Sheaves

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

3V
3/8" x 5/16"

- 1 - 10 grooves
- 2.65" - 33.50" O.D.
- 1/2" - 3 3/4" bore range
- Machined from fine grain cast iron
- Precision balanced
- Easy on - easy off

Table No. 2 Standard Keyseats

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

1 3/8" bore bushings also available with 3/8" x 3/16" keyseat.

Table No. 3 Bore Range

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

Browning Split Taper Bushings

- Keyed to shaft and hub. External key provides positive drive with no torque on the cap screws.
- Highest torque carrying capacity.
- Double split barrel assures true concentricity.
- Inch, metric and spline bores available from stock.

5V Gripbelt® Sheaves with Browning Split Taper® Bushings

Table No. 1 Specifications - Stock "5V" Sheaves

DIAMETERS			PART NUMBER		DIMENSIONS	Wt. Less Bush.
Pitch 5V Belts	Outside	Inside	Sheave	Bushing	O.L.	
2 Grooves, Face Width =1 1/16"						
▲4.30"	4.40"	3 3/16"	**2P5V44**	**P1**	2 3/16"	3.8
▲4.50	4.60	2 7/8	**2Q5V46**	**Q1**	3 78	6.6
▲4.80	4.90	3 1/8	**2Q5V49**	**Q1**	3 5/16	6.2
▲5.10	5.20	—	**2Q5V52**	**Q1**	2 25/32	5.6
▲5.40	5.50	—	**2Q5V55**	**Q1**	2 25/32	6.6
▲5.80	5.90	—	**2Q5V59**	**Q1**	2 25/32	7.6
▲6.20	6.30	—	**2Q5V63**	**Q1**	2 25/32	9.4
▲6.60	6.7	—	**2Q5V67**	**Q1**	2 25/32	11.0
7.00	7.10	—	**2Q5V71**	**Q1**	2 25/32	12.3
7.40	7.50	—	**2Q5V75**	**Q1**	2 25/32	14.1
7.90	8.00	6 1/4	**2Q5V80**	**Q1**	2 25/32	11.6
8.40	8.50	6 3/4	**2Q5V85**	**Q1**	2 25/32	12.9
8.90	9.00	7 1/4	**2Q5V90**	**Q1**	2 25/32	16.3
9.15	9.25	7 3/8	**2Q5V92**	**Q1**	2 25/32	15.1
9.65	9.75	7 7/8	**2Q5V97**	**Q1**	2 25/32	16.1
10.20	10.30	8 7/16	**2Q5V103**	**Q1**	2 25/32	18.8
10.80	10.90	9	**2Q5V109**	**Q1**	2 25/32	19.3
11.70	11.80	10	**2Q5V118**	**Q1**	2 25/32	21.4
12.40	12.50	10 3/4	**2Q5V125**	**Q1**	2 25/32	23.8
13.10	13.20	11 7/16	**2Q5V132**	**Q1**	2 25/32	25.5
13.90	14.00	12 1/4	**2R5V140**	**R1**	3 5/32	27.6
14.90	15.00	13 1/4	**2R5V150**	**R1**	3 5/32	30.9
15.90	16.00	14 1/4	**2R5V160**	**R1**	3 5/32	33.3
21.10	21.20	19 3/8	**2R5V212**	**R1**	3 5/32	47.5
27.90	28.00	26 1/4	**2R5V280**	**R1**	3 5/32	71.0
3 Grooves, Face Width = 2 3/8"						
▲4.30"	4.40"	3 3/16"	**3P5V44**	**P1**	2 23/32"	3.1
▲4.50	4.60	2 7/8	**3Q5V46**	**Q1**	4 3/4	7.6
▲4.80	4.90	3 1/8	**3Q5V49**	**Q1**	3 13/32	7.3
▲5.10	5.20	—	**3Q5V52**	**Q1**	3 13/32	5.8
▲5.40	5.50	—	**3Q5V55**	**Q1**	3 13/32	7.5
▲5.80	5.90	—	**3Q5V59**	**Q1**	2 31/32	8.6
▲6.20	6.30	—	**3Q5V63**	**Q1**	2 31/32	10.3
▲6.60	6.7	—	**3Q5V67**	**Q1**	2 31/32	12.0
7.00	7.10	—	**3Q5V71**	**Q1**	2 31/32	13.9
7.40	7.50	—	**3Q5V75**	**Q1**	2 31/32	16.0
7.90	8.00	6 1/4	**3R5V80**	**R1**	3 11/32	17.2
8.40	8.50	6 3/4	**3R5V85**	**R1**	3 11/32	20.5
8.90	9.00	7 1/4	**3R5V90**	**R1**	3 11/32	22.2
9.15	9.25	7 3/8	**3R5V92**	**R1**	3 11/32	24.1
9.65	9.75	7 7/8	**3R5V97**	**R1**	3 11/32	24.8
10.20	10.30	8 7/16	**3R5V103**	**R1**	3 11/32	26.4
10.80	10.90	9	**3R5V109**	**R1**	3 11/32	28.0
11.70	11.80	10	**3R5V118**	**R1**	3 11/32	31.9
12.40	12.50	10 3/4	**3R5V125**	**R1**	3 11/32	35.1
13.10	13.20	11 7/16	**3R5V132**	**R1**	3 11/32	29.0
13.90	14.00	12 1/4	**3R5V140**	**R1**	3 11/32	32.3
14.90	15.00	13 1/4	**3R5V150**	**R1**	3 11/32	35.0
15.90	16.00	14 1/4	**3R5V160**	**R1**	3 11/32	38.7
21.10	21.20	19 3/8	**3R5V212**	**R1**	3 11/32	52.0
27.90	28.00	26 1/4	**3R5V280**	**R1**	3 11/32	80.0
37.40	37.50	35 3/4	**3S5V375**	**S1**	4 3/4	147
49.90	50.00	48 1/4	**3U5V500**	**U0**	5 13/32	216

▲ For use only with 358 Gripnotch® Belts.

5V
5/8" x 17/32"

- 2 - 10 grooves
- 4.40" - 50.00" O.D.
- 1/2" - 5 1/2" bore range
- Machined from fine grain cast iron
- Precision balanced
- Easy on - easy off

Table No. 2 Standard Keyseats

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

1 3/8" bore bushings also available with 3/8" x 3/16" keyseat.

Table No. 3 Bore Range

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

Browning Split Taper Bushings

- Keyed to shaft and hub. External key provides positive drive with no torque on the cap screws.
- Highest torque carrying capacity.
- Double split barrel assures true concentricity.
- Inch, metric and spline bores available from stock.

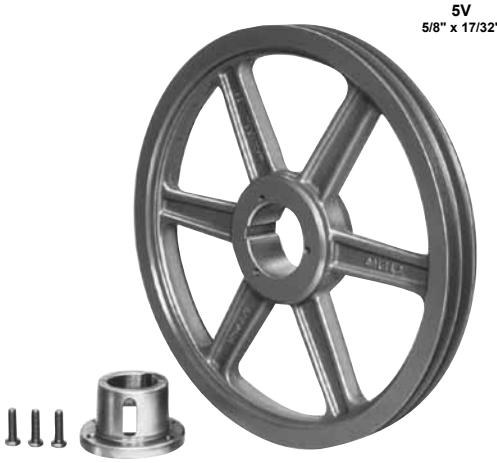
5V Gripbelt® Sheaves with Browning Split Taper® Bushings

Table No. 1 Specifications - Stock "5V" Sheaves

DIAMETERS			Part Number		Dimensions	Wt. Less Bush.
Pitch 3V Belts	Outside	Inside	Sheave	Bushing	O.L.	
4 Grooves, Face Width = 3 1/16"						
▲4.30"	4.40"	3"	**4P5V44**	**P1**	3 3/16"	3.2
▲4.50	4.60	2 7/8	**4Q5V46**	**Q2**	5 1/4	8.6
▲4.80	4.90	3 1/8	**4Q5V49**	**Q1**	4 3/32	8.5
▲5.10	5.20	3 1/2	**4Q5V52**	**Q1**	4 3/32	7.8
▲5.40	5.50	3 3/4	**4Q5V55**	**Q1**	4 3/32	8.3
▲5.80	5.90	4 3/16	**4Q5V59**	**Q1**	4 3/32	10.1
▲6.20	6.30	4 9/16	**4Q5V63**	**Q1**	4 3/32	11.8
▲6.60	6.70	5	**4Q5V67**	**Q1**	4 3/32	13.6
7.00	7.10	5 3/8	**4Q5V71**	**Q1**	3 11/32	15.9
7.40	7.50	5 3/4	**4Q5V75**	**Q1**	3 11/32	18.4
7.90	8.00	6 1/4	**4R5V80**	**R1**	3 11/16	19.4
8.40	8.50	6 3/4	**4R5V85**	**R1**	3 11/16	22.8
8.90	9.00	7 1/4	**4R5V90**	**R1**	3 11/16	24.5
9.15	9.25	7 3/8	**4R5V92**	**R1**	3 11/16	26.6
9.65	9.75	7 7/8	**4R5V97**	**R1**	3 11/16	28.0
10.20	10.30	8 7/16	**4R5V103**	**R1**	3 11/16	30.8
10.80	10.90	9	**4R5V109**	**R1**	3 11/16	31.7
11.70	11.80	10	**4R5V118**	**R1**	3 11/16	35.3
12.40	12.50	10 3/4	**4R5V125**	**R1**	3 11/16	37.9
13.10	13.20	11 7/16	**4R5V132**	**R1**	3 11/16	33.3
13.90	14.00	12 1/4	**4R5V140**	**R1**	3 11/16	36.5
14.90	15.00	13 1/4	**4R5V150**	**R1**	3 11/16	40.9
15.90	16.00	14 1/4	**4R5V160**	**R1**	3 11/16	43.3
21.10	21.20	19 3/8	**4R5V212**	**R1**	3 11/16	59.0
27.90	28.00	26 1/4	**4S5V280**	**S1**	4 3/4	135
37.40	37.50	35 3/4	**4S5V375**	**S1**	4 3/4	157
49.90	50.00	48 1/4	**4U5V500**	**U0**	5 13/32	239
5 Grooves, Face Width = 3 3/4"						
▲4.30"	4.40"	3"	**5P5V44**	**P1**	3 3/16"	3.2
▲4.50	4.60	2 7/8	**5Q5V46**	**Q2**	5 1/4	8.6
▲4.80	4.90	3 1/8	**5Q5V49**	**Q1**	4 3/32	8.5
▲5.10	5.20	3 1/2	**5Q5V52**	**Q1**	4 3/32	7.8
▲5.40	5.50	3 3/4	**5Q5V55**	**Q1**	4 3/32	8.3
▲5.80	5.90	4 3/16	**5Q5V59**	**Q1**	4 3/32	10.1
▲6.20	6.30	4 9/16	**5Q5V63**	**Q1**	4 3/32	11.8
▲6.60	6.70	5	**5Q5V67**	**Q1**	4 3/32	13.6
7.00	7.10	5 3/8	**5Q5V71**	**Q1**	3 11/32	15.9
7.40	7.50	5 3/4	**5Q5V75**	**Q1**	3 11/32	18.4
7.90	8.00	6 1/4	**5R5V80**	**R1**	3 11/16	19.4
8.40	8.50	6 3/4	**5R5V85**	**R1**	3 11/16	22.8
8.90	9.00	7 1/4	**5R5V90**	**R1**	3 11/16	24.5
9.15	9.25	7 3/8	**5R5V92**	**R1**	3 11/16	26.6
9.65	9.75	7 7/8	**5R5V97**	**R1**	3 11/16	28.0
10.20	10.30	8 7/16	**5R5V103**	**R1**	3 11/16	30.8
10.80	10.90	9	**5R5V109**	**R1**	3 11/16	31.7
11.70	11.80	10	**5R5V118**	**R1**	3 11/16	35.3
12.40	12.50	10 3/4	**5R5V125**	**R1**	3 11/16	37.9
13.10	13.20	11 7/16	**5R5V132**	**R1**	3 11/16	33.3
13.90	14.00	12 1/4	**5R5V140**	**R1**	3 11/16	36.5
14.90	15.00	13 1/4	**5R5V150**	**R1**	3 11/16	40.9
15.90	16.00	14 1/4	**5R5V160**	**R1**	3 11/16	43.3
21.10	21.20	19 3/8	**5R5V212**	**R1**	3 11/16	59.0
27.90	28.00	26 1/4	**5S5V280**	**S1**	4 3/4	135
37.40	37.50	35 3/4	**5S5V375**	**S1**	4 3/4	157
49.90	50.00	48 1/4	**5U5V500**	**U0**	5 13/32	239

▲ For use only with 358 Gripnotch® Belts.

5V
5/8" x 17/32"



- 2 - 10 grooves
- 4.40" - 50.00" O.D.
- 1/2" - 5 1/2" bore range
- Machined from fine grain cast iron
- Precision balanced
- Easy on - easy off

Table No. 2 Standard Keyseats

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

1 3/8" bore bushings also available with 3/8" x 3/16" keyseat.

Table No. 3 Bore Range

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

Browning Split Taper Bushings

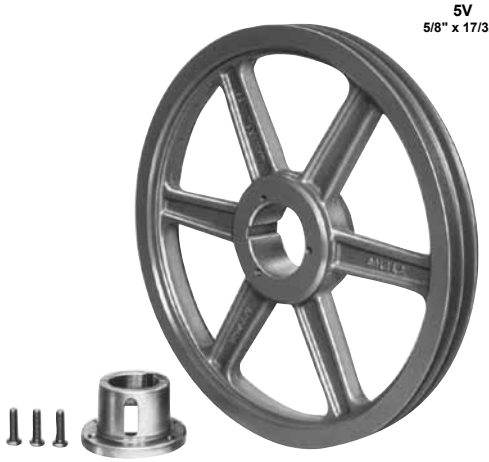
- Keyed to shaft and hub. External key provides positive drive with no torque on the cap screws.
- Highest torque carrying capacity.
- Double split barrel assures true concentricity.
- Inch, metric and spline bores available from stock.

5V Gripbelt® Sheaves with Browning Split Taper® Bushings

Table No. 1 Specifications - Stock "5V" Sheaves

DIAMETERS			Part Number		Dimensions	Wt. Less Bush.
Pitch "3V" Belts	Outside	Inside	Sheave	Bushing	O.L.	
6 Grooves, Face Width = 4 7/16"						
7.00"	7.10"	5 3/8"	**6Q5V71**	**Q2**	4 7/16"	23.6
7.40	7.50	5 3/4	**6Q5V75**	**Q2**	4 7/16	27.3
7.90	8.00	6 1/4	**6R5V80**	**R1**	4 7/16	23.3
8.40	8.50	6 3/4	**6R5V85**	**R1**	4 7/16	27.3
8.90	9.00	7 1/4	**6R5V90**	**R1**	4 7/16	28.8
9.15	9.25	7 3/8	**6R5V92**	**R1**	4 7/16	31.1
9.65	9.75	7 7/8	**6R5V97**	**R1**	4 7/16	34.5
10.20	10.30	8 7/16	**6R5V103**	**R1**	4 7/16	36.8
10.80	10.90	9	**6R5V109**	**R1**	4 7/16	39.6
11.70	11.80	10	**6R5V118**	**R1**	4 7/16	42.5
12.40	12.50	10 3/4	**6S5V125**	**S1**	5 5/16	65.0
13.10	13.20	11 7/16	**6S5V132**	**S1**	5 5/16	71.0
13.90	14.00	12 1/4	**6S5V140**	**S1**	5 5/16	70.0
14.90	15.00	13 1/4	**6S5V150**	**S1**	5 5/16	69.0
15.90	16.00	14 1/4	**6S5V160**	**S1**	5 5/16	79.0
21.10	21.20	19 3/8	**6S5V212**	**S1**	5 5/16	97.0
24.90	25.00	23 1/4	**6S5V250**	**S1**	5 5/16	113
27.90	28.00	26 1/4	**6S5V280**	**S1**	5 5/16	128
37.40	37.50	35 3/4	**6U5V375**	**U0**	5 3/4	206
49.90	50.00	48 1/4	**6U5V500**	**U0**	5 3/4	271
8 Grooves, Face Width = 5 13/16"						
7.00"	7.10"	5 3/8"	**8Q5V71**	**Q2**	4 7/16"	23.6
7.40	7.50	5 3/4	**8Q5V75**	**Q2**	4 7/16	27.3
7.90	8.00	6 1/4	**8R5V80**	**R1**	4 7/16	23.3
8.40	8.50	6 3/4	**8R5V85**	**R1**	4 7/16	27.3
8.90	9.00	7 1/4	**8R5V90**	**R1**	4 7/16	28.8
9.15	9.25	7 3/8	**8R5V92**	**R1**	4 7/16	31.1
9.65	9.75	7 7/8	**8R5V97**	**R1**	4 7/16	34.5
10.20	10.30	8 7/16	**8R5V103**	**R1**	4 7/16	36.8
10.80	10.90	9	**8R5V109**	**R1**	4 7/16	39.6
11.70	11.80	10	**8R5V118**	**R1**	4 7/16	42.5
12.40	12.50	10 3/4	**8S5V125**	**S1**	5 5/16	65.0
13.10	13.20	11 7/16	**8S5V132**	**S1**	5 5/16	71.0
13.90	14.00	12 1/4	**8S5V140**	**S1**	5 5/16	70.0
14.90	15.00	13 1/4	**8S5V150**	**S1**	5 5/16	69.0
15.90	16.00	14 1/4	**8S5V160**	**S1**	5 5/16	79.0
21.10	21.20	19 3/8	**8S5V212**	**S1**	5 5/16	97.0
24.90	25.00	23 1/4	**8S5V250**	**S1**	5 5/16	113
27.90	28.00	26 1/4	**8S5V280**	**S1**	5 5/16	128
37.40	37.50	35 3/4	**8U5V375**	**U0**	5 3/4	206
49.90	50.00	48 1/4	**8U5V500**	**U0**	5 3/4	271
10 Grooves, Face Width = 7 3/16"						
7.00"	7.10"	5 3/8"	**10Q5V71**	**Q2**	5 13/16"	27.9
7.40	7.50	5 3/4	**10Q5V75**	**Q2**	5 13/16	32.1
7.90	8.00	6 1/4	**10R5V80**	**R2**	6 1/16	45.3
8.40	8.50	6 3/4	**10R5V85**	**R2**	6 1/16	45.5
8.90	9.00	7 1/4	**10R5V90**	**R2**	6 1/16	50.1
9.15	9.25	7 3/8	**10S5V92**	**S1**	6	47.3
9.65	9.75	7 7/8	**10S5V97**	**S1**	6	50.0
10.20	10.30	8 7/16	**10S5V103**	**S1**	6	63.0
10.80	10.90	9	**10S5V109**	**S1**	6	71.0
11.70	11.80	10	**10S5V118**	**S1**	6	85.0
12.40	12.50	10 3/4	**10S5V125**	**S1**	6	76.0
13.10	13.20	11 7/16	**10S5V132**	**S1**	6	79.0
13.90	14.00	12 1/4	**10S5V140**	**S1**	6	77.0
14.90	15.00	13 1/4	**10S5V150**	**S1**	6	83.0
15.90	16.00	14 1/4	**10S5V160**	**S1**	6	90.0
21.10	21.20	19 3/8	**10U5V212**	**U1**	7 11/16	175
24.90	25.00	23 1/4	**10U5V250**	**U1**	7 11/16	190
27.90	28.00	26 1/4	**10U5V280**	**U1**	7 11/16	222
37.40	37.50	35 3/4	**10U5V375**	**U1**	7 11/16	264
49.90	50.00	48 1/4	**10U5V500**	**U1**	7 11/16	393

5V
5/8" x 17/32"



- 2 - 10 grooves
- 4.40" - 50.00" O.D.
- 1/2" - 5 1/2" bore range
- Machined from fine grain cast iron
- Precision balanced
- Easy on - easy off

Table No. 2 Standard Keyseats

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

1 3/8" bore bushings also available with 3/8" x 3/16" keyseat.

Table No. 3 Bore Range

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

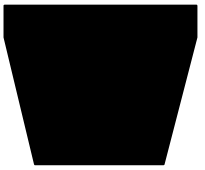
Browning Split Taper Bushings

- Keyed to shaft and hub. External key provides positive drive with no torque on the cap screws.
- Highest torque carrying capacity.
- Double split barrel assures true concentricity.
- Inch, metric and spline bores available from stock.

8V Gripbelt® Sheaves with Browning Split Taper® Bushings

Table No. 1 Specifications - Stock "8V" Sheaves

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



8V
1" x 29/32"

- 4 - 14 grooves
- 12.5" - 64.0" O.D.
- 1 11/16" - 7 7/16" bore range
- Machined from fine grain cast iron
- Precision balanced
- Easy on - easy off

Table No. 2

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

Table No. 3 Standard Keyseats

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

Table No. 4 Bore Range

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

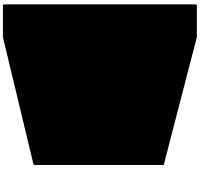
Browning Split Taper Bushings

- Keyed to shaft and hub. External key provides positive drive with no torque on the cap screws.
- Highest torque carrying capacity.
- Double split barrel assures true concentricity.
- Inch, metric and spline bores available from stock.

8V Gripbelt® Sheaves with Browning Split Taper® Bushings

Table No. 1 Specifications - Stock "8V" Sheaves

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



8V
1" x 29/32"

- 4 - 14 grooves
- 12.5" - 64.0" O.D.
- 1 11/16" - 7 7/16" bore range
- Machined from fine grain cast iron
- Precision balanced
- Easy on - easy off

Table No. 2

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

Table No. 3 Standard Keyseats

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

Table No. 4 Bore Range

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

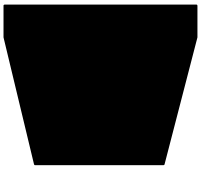
Browning Split Taper Bushings

- Keyed to shaft and hub. External key provides positive drive with no torque on the cap screws.
- Highest torque carrying capacity.
- Double split barrel assures true concentricity.
- Inch, metric and spline bores available from stock.

8V Gripbelt® Sheaves with Browning Split Taper® Bushings

Table No. 1 Specifications - Stock "8V" Sheaves

DIAMETERS			PART NUMBER		DIMENSIONS	Wt. Less Bush.
Pitch "8V Belts	Outside	Inside	Sheave	Bushing	O.L.	
10 Grooves, Face Width = 11 5/8"						
12.3"	12.5"	9 1/2"	**10U8V125**	**U1**	11 5/8"	156
13.0	13.2	10 1/4	**10U8V132**	**U1**	11 5/8	182
13.8	14.0	11	**10U8V140**	**U1**	11 5/8	207
14.8	15.0	12	**10U8V150**	**U1**	11 5/8	240
15.8	16.0	13	**10U8V160**	**U1**	11 5/8	283
16.8	17.0	14	**10U8V170**	**U1**	11 5/8	274
17.8	18.0	15	**10U8V180**	**U1**	11 5/8	282
18.8	19.0	16	**10U8V190**	**U1**	11 5/8	264
19.8	20.0	17	**10U8V200**	**U1**	11 5/8	279
21.0	21.2	18 1/4	**10U8V212**	**U1**	11 5/8	296
22.2	22.4	19 3/8	**10U8V224**	**U1**	11 5/8	309
29.8	30.0	27	**10U8V300**	**U1**	11 5/8	410
39.8	40.0	37	**10U8V400**	**W1**	11 5/8	625
47.8	48.0	45	**10U8V480**	**W1**	11 5/8	811
52.8	53.0	49 3/4	**10U8V530**	**W1**	11 5/8	955
57.8	58.0	54 3/4	**10U8V580**	**W1**	11 5/8	1060
63.8	64.0	60 3/4	**10W8V640**	**W1**	11 5/8	1170
12 Grooves, Face Width = 13 7/8"						
12.3"	12.5"	9 1/2"	**12U8V125**	**U2**	13 7/8"	200
13.0	13.2	10 1/4	**12U8V132**	**U2**	13 7/8	243
13.8	14.0	11	**12U8V140**	**U2**	13 7/8	282
14.8	15.0	12	**12U8V150**	**U2**	13 7/8	331
15.8	16.0	13	**12U8V160**	**U2**	13 7/8	387
16.8	17.0	14	**12U8V170**	**U2**	13 7/8	395
17.8	18.0	15	**12U8V180**	**U2**	13 7/8	40
18.8	19.0	16	**12U8V190**	**U2**	13 7/8	435
19.8	20.0	17	**12U8V200**	**U2**	13 7/8	428
21.0	21.2	18 1/4	**12U8V212**	**U2**	13 7/8	450
22.2	22.4	19 3/8	**12U8V224**	**U2**	13 7/8	421
29.8	30.0	27	**12U8V300**	**U2**	13 7/8	509
39.8	40.0	37	**12U8V400**	**W2**	14 1/16	764
47.8	48.0	45	**12U8V480**	**W2**	14 1/16	1000
52.8	53.0	49 3/4	**12U8V530**	**W2**	14 1/16	1160
57.8	58.0	54 3/4	**12U8V580**	**W2**	14 1/16	1330
63.8	64.0	60 3/4	**12W8V640**	**W2**	14 1/16	1460
14 Grooves, Face Width = 16 1/8"						
12.3"	12.5"	9 1/2"	**14U8V125**	**U2**	16 1/8"	220
13.0	13.2	10 1/4	**14U8V132**	**U2**	16 1/8	261
13.8	14.0	11	**14U8V140**	**U2**	16 1/8	300
14.8	15.0	12	**14U8V150**	**U2**	16 1/8	370
15.8	16.0	13	**14U8V160**	**U2**	16 1/8	415
16.8	17.0	14	**14U8V170**	**U2**	16 1/8	440
17.8	18.0	15	**14U8V180**	**U2**	16 1/8	450
18.8	19.0	16	**14U8V190**	**U2**	16 1/8	470
19.8	20.0	17	**14U8V200**	**U2**	16 1/8	490
21.0	21.2	18 1/4	**14U8V212**	**U2**	16 1/8	510
22.2	22.4	19 3/8	**14U8V224**	**U2**	16 1/8	459
29.8	30.0	27	**14U8V300**	**U2**	16 1/8	710
39.8	40.0	37	**14U8V400**	**W2**	16 1/8	840
47.8	48.0	45	**14U8V480**	**W2**	16 1/8	1140
52.8	53.0	49 3/4	**14U8V530**	**W2**	16 1/8	1234
57.8	58.0	54 3/4	**14U8V580**	**W2**	16 1/8	1450
63.8	64.0	60 3/4	**14W8V640**	**W2**	16 1/8	1550



8V
1" x 29/32"

- 4 - 14 grooves
- 12.5" - 64.0" O.D.
- 1 11/16" - 7 7/16" bore range
- Machined from fine grain cast iron
- Precision balanced
- Easy on - easy off

Table No. 3 Standard Keyseats

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

Table No. 4 Bore Range

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

Browning Split Taper Bushings

- Keyed to shaft and hub. External key provides positive drive with no torque on the cap screws.
- Highest torque carrying capacity.
- Double split barrel assures true concentricity.
- Inch, metric and spline bores available from stock.

Q-D® Sheaves for "A" and "B" Belts

Table No. 1 Specifications - Stock "B" Sheaves

Part No.	Bushing	Bore Range	D.D. "B" Belts	D.D. "A" Belts	O.D.	Wt. Less Bushing
1 Groove, Face Width = 7/8" (1B34SH - 1B70SDS)						
Face Width = 1" (1B74SDS - 1B200SK)						
1B34SH	**SH**	1/2" - 1 5/8"	3.4"	3.0	3.75"	2.0
1B36SH	**SH**	1/2 - 1 5/8	3.6	3.2	3.95	2.2
1B38SH	**SH**	1/2 - 1 5/8	3.8	3.4	4.15	2.4
1B40SH	**SH**	1/2 - 1 5/8	4.0	3.6	4.35	2.7
1B42SH	**SH**	1/2 - 1 5/8	4.2	3.8	4.55	2.9
1B44SH	**SH**	1/2 - 1 5/8	4.4	4.0	4.75	3.4
1B46SDS	**SDS**	1/2 - 2	4.6	4.2	4.95	4.0
1B48SDS	**SDS**	1/2 - 2	4.8	4.4	5.15	4.3
1B50SDS	**SDS**	1/2 - 2	5.0	4.6	5.35	4.7
1B52SDS	**SDS**	1/2 - 2	5.2	4.8	5.55	5.0
1B54SDS	**SDS**	1/2 - 2	5.4	5.0	5.75	5.3
1B56SDS	**SDS**	1/2 - 2	5.6	5.2	5.95	5.6
1B58SDS	**SDS**	1/2 - 2	5.8	5.4	6.15	5.9
1B60SDS	**SDS**	1/2 - 2	6.0	5.6	6.35	6.2
1B62SDS	**SDS**	1/2 - 2	6.2	5.8	6.55	6.5
1B64SDS	**SDS**	1/2 - 2	6.4	6.0	6.75	6.8
1B65SDS	**SDS**	1/2 - 2	6.6	6.2	6.95	7.2
1B68SDS	**SDS**	1/2 - 2	6.8	6.4	7.15	7.5
1B70SDS	**SDS**	1/2 - 2	7.0	6.6	7.35	7.8
1B74SDS	**SDS**	1/2 - 2	7.4	7.0	7.75	8.8
1B80SDS	**SDS**	1/2 - 2	8.0	7.6	8.35	9.6
1B86SDS	**SDS**	1/2 - 2	8.6	8.2	8.95	10.0
1B94SDS	**SDS**	1/2 - 2	9.4	9.0	9.75	10.5
1B110SDS	**SDS**	1/2 - 2	11.0	10.6	11.35	11.0
1B124SDS	**SDS**	1/2 - 2	12.4	12.0	12.75	12.0
1B136SDS	**SDS**	1/2 - 2	13.6	13.2	13.95	14.0
1B154SK	**SK**	1/2 - 2 5/8	15.4	15.0	15.75	16.0
1B160SK	**SK**	1/2 - 2 5/8	16.0	15.6	16.35	16.6
1B184SK	**SK**	1/2 - 2 5/8	18.4	18.0	18.75	18.0
1B200SK	**SK**	1/2 - 2 5/8	20.0	19.6	20.28	21.4
2 Grooves, Face Width = 1 3/4"						
2B34SH	**SH**	1/2" - 1 5/8"	3.4"	3.0	3.75"	3.2
2B36SH	**SH**	1/2 - 1 5/8	3.6	3.2	3.95	3.4
2B38SH	**SH**	1/2 - 1 5/8	3.8	3.4	4.15	3.9
2B40SH	**SH**	1/2 - 1 5/8	4.0	3.6	4.35	4.1
2B42SH	**SH**	1/2 - 1 5/8	4.2	3.8	4.55	4.4
2B44SH	**SH**	1/2 - 1 5/8	4.4	4.0	4.75	4.6
2B46SDS	**SDS**	1/2 - 2	4.6	4.2	4.95	5.0
2B48SDS	**SDS**	1/2 - 2	4.8	4.4	5.15	5.4
2B50SDS	**SDS**	1/2 - 2	5.0	4.6	5.35	6.0
2B52SDS	**SDS**	1/2 - 2	5.2	4.8	5.55	6.3
2B54SDS	**SDS**	1/2 - 2	5.4	5.0	5.75	6.6
2B56SDS	**SDS**	1/2 - 2	5.6	5.2	5.95	'6.9
2B58SDS	**SDS**	1/2 - 2	5.8	5.4	6.15	7.2
2B60SDS	**SDS**	1/2 - 2	6.0	5.6	6.35	7.5
2B62SDS	**SDS**	1/2 - 2	6.2	5.8	6.55	7.8
2B64SDS	**SDS**	1/2 - 2	6.4	6.0	6.75	8.2
2B66SDS	**SDS**	1/2 - 2	6.6	6.2	6.95	8.6
2B68SDS	**SDS**	1/2 - 2	6.8	6.4	7.15	9.0
2B70SK	**SK**	1/2 - 2 5/8	7.0	6.6	7.35	9.3
2B74SK	**SK**	1/2 - 2 5/8	7.4	7.0	7.75	10.6

For optimum sheave selection, see B5V® Stock Sheave Listing on pages 28-31.

- 1 - 10 grooves
- 3.75" - 38.35" O.D.
- 1/2" - 4 1/2" bore range
- Machined from fine grain cast iron
- Precision balanced
- Easy on - easy off

Table No. 2 Standard Keyseats

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

Q-D® Bushings

- Can be reverse mounted.
- Setscrew over keyway except JA.
- Stock metric bores - 25mm - 100mm.

For complete catalog dimensions see eCatalog at www.emerson-ept.com

Q-D® Sheaves for "A" and "B" Belts

Table No. 1 Specifications - Stock "B" Sheaves

Part No.	Bushing	Bore Range	D.D. "B" Belts	D.D. "A" Belts	O.L.	Wt. Less Bushing
2 Grooves (Cont.), Face Width = 1 3/4"						
2B80SK	SK	1/2" - 2 5/8"	8.0"	7.6"	8.35"	11.0
2B86SK	SK	1/2 - 2 5/8	8.6	8.2	8.95	11.6
2B94SK	SK	1/2 - 2 5/8	9.4	9.0	9.75	13.0
2B110SK	SK	1/2 - 2 5/8	11.0	10.6	11.35	14.0
2B124SK	SK	1/2 - 2 5/8	12.4	12.0	12.75	18.0
2B136SK	SK	1/2 - 2 5/8	13.6	13.2	13.95	20.0
2B154SK	SK	1/2 - 2 5/8	15.4	15.0	15.75	23.0
2B160SK	SK	1/2 - 2 5/8	16.0	15.6	16.35	24.0
2B184SK	SK	1/2 - 2 5/8	18.4	18.0	18.75	29.0
2B200SF	SF	1/2 - 2 15/16	20.0	4.8	20.35	33.0
2B250SF	SF	1/2 - 2 15/16	25.0	5.0	25.35	41.0
2B300SF	SF	1/2 - 2 15/16	30.0	5.2	30.35	51.0
2B380SF	SF	1/2 - 2 15/16	38.0	5.4	38.35	64.0
3 Grooves, Face Width = 2 1/2"						
3B34SH	SH	1/2" - 1 5/8"	3.4"	3.0	3.75"	434
3B36SH	SH	1/2 - 1 5/8	3.6	3.2	3.95	4.7
3B38SH	SH	1/2 - 1 5/8	3.8	3.4	4.15	5.3
3B40SH	SH	1/2 - 1 5/8	4.0	3.6	4.35	5.6
3B42SH	SH	1/2 - 1 5/8	4.2	3.8	4.55	5.9
3B44SH	SH	1/2 - 1 5/8	4.4	4.0	4.75	6.3
3B46SD	SD	1/2 - 2	4.6	4.2	4.95	6.7
3B48SD	SD	1/2 - 2	4.8	4.4	5.15	7.1
3B50SD	SD	1/2 - 2	5.0	4.6	5.35	7.4
3B52SD	SD	1/2 - 2	5.2	4.8	5.55	7.8
3B54SD	SD	1/2 - 2	5.4	5.0	5.75	8.2
3B56SD	SD	1/2 - 2	5.6	5.2	5.95	8.5
3B58SD	SD	1/2 - 2	5.8	5.4	6.15	8.8
3B60SD	SD	1/2 - 2	6.0	5.6	6.35	9.1
3B62SD	SD	1/2 - 2	6.2	5.8	6.55	9.4
3B64SD	SD	1/2 - 2	6.4	6.0	6.75	9.7
3B66SD	SD	1/2 - 2	6.6	6.2	6.95	10.0
3B68SD	SD	1/2 - 2	6.8	6.4	7.15	10.5
3B70SK	SK	1/2 - 2 5/8	7.0	6.6	7.35	11.0
3B74SK	SK	1/2 - 2 5/8	7.4	7.0	7.75	12.0
3B80SK	SK	1/2 - 2 5/8	8.0	7.6	8.35	12.5
3B86SK	SK	1/2 - 2 5/8	8.6	8.2	8.95	13.0
3BK94SK	SK	1/2 - 2 5/8	9.4	9.0	9.75	16.0
3B110SK	SK	1/2 - 2 5/8	11.0	10.6	11.35	19.0
3B124SK	SK	1/2 - 2 5/8	12.4	12.0	12.75	24.0
3B136SK	SK	1/2 - 2 5/8	13.6	13.2	13.95	27.0
3B154SK	SK	1/2 - 2 5/8	15.4	15.0	15.75	30.0
3B160SK	SK	1/2 - 2 5/8	16.0	15.6	16.35	33.0
3B184SK	SK	1/2 - 2 5/8	18.4	18.0	18.75	38.0
3B200SF	SF	1/2 - 2 15/16	20.0	19.6	20.35	43.0
3B250SF	SF	1/2 - 2 15/16	25.0	24.6	25.35	54.0
3B300SF	SF	1/2 - 2 15/16	30.0	29.6	30.35	67.0
3B380E	E	7/8 - 3 1/2	38.0	37.6	38.35	90.0

For optimum sheave selection, see B5V® Stock Sheave Listing on pages 28-29.

- 1 - 10 grooves
- 3.75" - 38.035" O.D.
- 1/2" - 4 1/2" bore range
- Machined from fine grain cast iron
- Precision balanced
- Easy on - easy off

Table No. 2 Standard Keyseats

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

1 3/8" bore bushings also available with 3/8" x 3/16" keyseat.

Q-D® Bushings

- Can be reverse mounted.
- Setscrew over keyway except JA.
- Stock metric bores - 25mm - 100mm.

Q-D® Sheaves for "A" and "B" Belts

Table No. 1 Specifications - Stock "B" Sheaves

Part No.	Bushing	Bore Range	D.D. "B" Belts	D.D. "A" Belts	O.L.	Wt. Less Bushing
4 Grooves, Face Width = 3 1/4"						
4B34SD	SD	1/2-2	3.4	3.0	3.75	5.5
4B36SD	SD	1/2-2	3.6	3.2	3.95	5.8
4B38SD	SD	1/2-2	3.8	3.4	4.15	6.2
4B40SD	SD	1/2-2	4.0	3.6	4.35	6.6
4B42SD	SD	1/2-2	4.2	3.8	4.55	6.9
4B44SD	SD	1/2-2	4.4	4.0	4.75	7.2
4B46SD	SD	1/2-2	4.6	4.2	4.95	7.6
4B48SD	SD	1/2-2	4.8	4.4	5.15	8.0
4B50SD	SD	1/2-2	5.0	4.6	5.35	8.4
4B52SD	SD	1/2-2	5.2	4.8	5.55	8.8
4B54SD	SD	1/2-2	5.4	5.0	5.75	9.2
4B56SD	SD	1/2-2	5.6	5.2	5.95	9.6
4B58SD	SD	1/2-2	5.8	5.4	6.15	10.0
4B60SD	SD	1/2-2	6.0	5..6	6.35	10.4
4B62SD	SD	1/2-2	6.2	5.8	6.55	10.8
4B64SD	SD	1/2-2	6.4	6.0	6.75	12.0
4B66SD	SD	1/2-2	6.6	6.2	6.95	12.4
4B68SD	SD	1/2-2	6.8	6.4	7.15	13.0
4B70SK	SK	1/2 - 2 5/8	7.0	6.6	7.35	13.5
4B74SK	SK	1/2 - 2 5/8	7.4	7.0	7.75	14.0
4B80SK	SK	1/2 - 2 5/8	8.0	7.6	8.35	15.5
4B86SK	SK	1/2 - 2 5/8	8.6	8.2	8.95	17.0
4B94SK	SK	1/2 - 2 5/8	9.4	9.0	9.75	19.0
4B110SK	SK	1/2 - 2 5/8	11.0	10.6	11.35	22.0
4B124SK	SK	1/2 - 2 5/8	12.4	12.0	12.75	29.0
4B136SK	SK	1/2 - 2 5/8	13.6	13.2	13.95	34.0
4B154SF	SF	1/2 - 2 15/16	15.4	15.0	15.75	39.0
4B160SF	SF	1/2 - 2 15/16	16.0	15.6	16.35	42.0
4B184SF	SF	1/2 - 2 15/16	18.4	18.0	18.75	47.0
4B200SF	SF	1/2 - 2 15/16	20.0	19.6	20.35	51.0
4B250E	E	7/8 - 3 1/2	25.0	24.6	25.35	73.0
4B300E	E	7/8 - 3 1/2	30.0	29.6	30.35	86.0
4B380E	E	7/8 - 3 1/2	38.0	37.6	38.35	109
5 Grooves, Face Width = 4"						
5B34SD	SD	1/2"-2"	3.4	3.0	3.75	6.1
5B36SD	SD	1/2-2	3.6	3.2	3.95	6.6
5B38SD	SD	1/2-2	3.8	3.4	4.15	7.1
5B40SD	SD	1/2-2	4.0	3.6	4.35	7.4
5B42SD	SD	1/2-2	4.2	3.8	4.55	8.0
5B44SD	SD	1/2-2	4.4	4.0	4.75	8.5
5B46SD	SD	1/2-2	4.6	4.2	4.95	9.0
5B48SD	SD	1/2-2	4.8	4.4	5.15	9.4
5B50SD	SD	1/2-2	5.0	4.6	5.35	10.0
5B52SD	SD	1/2-2	5.2	4.8	5.55	10.4
5B54SK	SK	1/2-2 5/8	5.4	5.0	5.75	10.8
5B56SK	SK	1/2-2 5/8	5.6	5.2	5.95	11.3
5B58SK	SK	1/2-2 5/8	5.8	5.4	6.15	12.0
5B60SK	SK	1/2-2 5/8	6.0	5..6	6.35	14.0
5B62SK	SK	1/2-2 5/8	6.2	5.8	6.55	15.0
5B64SK	SK	1/2-2 5/8	6.4	6.0	6.75	16.0
5B66SK	SK	1/2-2 5/8	6.6	6.2	6.95	17.0
5B68SK	SK	1/2-2 5/8	6.8	6.4	7.15	18.0
5B70SF	SF	1/2 - 2 15/16	7.0	6.6	7.35	19.0
5B74SF	SF	1/2 - 2 15/16	7.4	7.0	7.75	20.0
5B80SF	SF	1/2 - 2 15/16	8.0	7.6	8.35	21.0
5B86SF	SF	1/2 - 2 15/16	8.6	8.2	8.95	22.0
5B94SF	SF	1/2 - 2 15/16	9.4	9.0	9.75	24.0
5B110SF	SF	1/2 - 2 15/16	11.0	10.6	11.35	29.0
5B124SF	SF	1/2 - 2 15/16	12.4	12.0	12.75	34.0
5B136SF	SF	1/2 - 2 15/16	13.6	13.2	13.95	38.0
5B154SF	SF	1/2 - 2 15/16	15.4	15.0	15.75	46.0
5B160SF	SF	1/2 - 2 15/16	16.0	15.6	16.35	49.0
5B184SF	SF	1/2 - 2 15/16	18.4	18.0	18.75	55.0
5B200E	E	7/8 - 3 1/2	20.0	19.6	20.35	65.0
5B250E	E	7/8 - 3 1/2	25.0	24.6	25.35	86.0
5B300E	E	7/8 - 3 1/2	30.0	29.6	30.35	102
5B380E	E	7/8 - 3 1/2	38.0	37.6	38.35	132

- 1 - 10 grooves
- 3.75" - 38.35" O.D.
- 1/2" - 4 1/2" bore range
- Machined from fine grain cast iron
- Precision balanced
- Easy on - easy off

Q-D® Bushings

- Can be reverse mounted.
- Setscrew over keyway except JA.
- Stock metric bores - 25mm - 100mm.

Q-D® Sheaves for "A" and "B" Belts

Table No. 1 Specifications - Stock "B" Sheaves

Part No.	Bushing	Bore Range	D.D. "B" Belts	D.D. "A" Belts	O.L.	Wt. Less Bushing
6 Grooves, Face Width = 4 3/4"						
6B34SD	SD	1/2 - 2	3.4	3.0	3.75	6.7
6B36SD	SD	1/2 - 2	3.6	3.2	3.95	7.4
6B38SD	SD	1/2 - 2	3.8	3.4	4.15	8.0
6B40SD	SD	1/2 - 2	4.0	3.6	4.35	8.4
6B42SD	SD	1/2 - 2	4.2	3.8	4.55	9.0
6B44SD	SD	1/2 - 2	4.4	4.0	4.75	9.7
6B46SD	SD	1/2 - 2	4.6	4.2	4.95	10.1
6B48SD	SD	1/2 - 2	4.8	4.4	5.15	10.6
6B50SD	SD	1/2 - 2	5.0	4.6	5.35	11.0
6B52SD	SD	1/2 - 2	5.2	4.8	5.55	12.0
6B54SK	SK	1/2 - 2 5/8	5.4	5.0	5.75	13.0
6B56SK	SK	1/2 - 2 5/8	5.6	5.2	5.95	14.0
6B58SK	SK	1/2 - 2 5/8	5.8	5.4	6.15	14.6
6B60SK	SK	1/2 - 2 5/8	6.0	5..6	6.35	15.0
6B62SK	SK	1/2 - 2 5/8	6.2	5.8	6.55	16.0
6B64SK	SK	1/2 - 2 5/8	6.4	6.0	6.75	17.0
6B66SK	SK	1/2 - 2 5/8	6.6	6.2	6.95	18.0
6B68SK	SK	1/2 - 2 5/8	6.8	6.4	7.15	19.0
6B70SF	SF	1/2 - 2 15/16	7.0	6.6	7.35	20.0
6B74SF	SF	1/2 - 2 15/16	7.4	7.0	7.75	22.0
6B80SF	SF	1/2 - 2 15/16	8.0	7.6	8.35	24.0
6B86SF	SF	1/2 - 2 15/16	8.6	8.2	8.95	26.0
6B94SF	SF	1/2 - 2 15/16	9.4	9.0	9.75	27.0
6B110SF	SF	1/2 - 2 15/16	11.0	10.6	11.35	32.0
6B124SF	SF	1/2 - 2 15/16	12.4	12.0	12.75	39.0
6B136SF	SF	1/2 - 2 15/16	13.6	13.2	13.95	44.0
6B154SF	SF	1/2 - 2 15/16	15.4	15.0	15.75	50.0
6B160SF	SF	1/2 - 2 15/16	16.0	15.6	16.35	54.0
6B184SF	SF	1/2 - 2 15/16	18.4	18.0	18.75	62.0
6B200E	E	7/8 - 3 1/2	20.0	19.6	20.35	74.0
6B250E	E	7/8 - 3 1/2	25.0	24.6	25.35	96.0
6B300E	E	7/8 - 3 1/2	30.0	29.6	30.35	119
6B380E	E	7/8 - 3 1/2	38.0	37.6	38.35	134
8 Grooves, Face Width = 6 1/4"						
8B54SK	SK	1/2 - 2 5/8	5.4	5.0	5.75	15
8B56SK	SK	1/2 - 2 5/8	5.6	5.2	5.95	16
8B60SF	SF	1/2 - 2 15/16	6.0	5.6	6.35	20
8B64SF	SF	1/2 - 2 15/16	6.4	6.0	6.75	23
8B68SF	SF	1/2 - 2 15/16	6.8	6.4	7.15	25
8B74SF	SF	1/2 - 2 15/16	7.4	7.0	7.75	28
8B86E	E	7/8 - 3 1/2	8.6	8.2	8.95	40
8B94E	E	7/8 - 3 1/2	9.4	9.0	9.75	43
8B110E	E	7/8 - 3 1/2	11.0	10.6	11.35	49
8B124F	F	7/8 - 3 1/2	12.4	12.0	12.75	56
8B154E	E	7/8 - 3 1/2	15.4	15.0	15.75	69
8B184F	F	1 - 4	18.4	18.0	18.75	91
8B200F	F	1 - 4	20.0	19.6	20.35	98
8B250F	F	1 - 4	25.0	24.6	25.35	121
8B300F	F	1 - 4	30.0	29.6	30.35	148
8B380F	F	1 1/4 - 4	38.0	37.6	38.35	194
10 Grooves, Face Width = 7 3/4"						
10B54SK	SK	1/2 - 2 5/8	5.4	5.0	5.75	18
10B56SK	SK	1/2 - 2 5/8	5.6	5.2	5.95	20
10B60SF	SF	1/2 - 2 15/16	6.0	5.6	6.35	24
10B64SF	SF	1/2 - 2 15/16	6.4	6.0	6.75	26
10B68SF	SF	1/2 - 2 15/16	6.8	6.4	7.15	28
10B74SF	SF	1/2 - 2 15/16	7.4	7.0	7.75	32
10B86E	E	7/8 - 3 1/2	8.6	8.2	8.95	42
10B94E	E	7/8 - 3 1/2	9.4	9.0	9.75	48
10B110E	E	7/8 - 3 1/2	11.0	10.6	11.35	56
10B124F	F	7/8 - 3 1/2	12.4	12.0	12.75	64
10B154E	E	7/8 - 3 1/2	15.4	15.0	15.75	88
10B184F	F	1 - 4	18.4	18.0	18.75	103
10B200F	F	1 - 4	20.0	19.6	20.35	112
10B250F	F	1 - 4	25.0	24.6	25.35	142
10B300F	F	1 - 4	30.0	29.6	30.35	174
10B380J	F	1 1/2 - 4 1/2	38.0	37.6	38.35	230

- 1 - 10 grooves
- 3.75" - 38.35" O.D.
- 1/2" - 4 1/2" bore range
- Machined from fine grain cast iron
- Precision balanced
- Easy on - easy off

Q-D® Bushings

- Can be reverse mounted.
- Setscrew over keyway except JA.
- Stock metric bores - 25mm - 100mm.

Q-D® Sheaves for "C" Belts

Table No. 1 Specifications - Stock "C" Sheaves

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

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

- 1 - 12 grooves
- 7.40" - 50.40" O.D.
- 1/2" - 5 1/2" bore range
- Machined from fine grain cast iron
- Precision balanced
- Easy on - easy off

Q-D® Bushings

- Can be reverse mounted.
- Setscrew over keyway except JA.
- Stock metric bores - 25mm - 100mm.

Table No. 2 Standard Keyseats

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

1 3/8" bore bushings also available with 3/8" x 3/16" keyseat.

Q-D® Sheaves for "C" Belts

Table No. 1 Specifications - Stock "C" Sheaves

Part No.	Bushing	Bore Range	DATUM "C"	O.D	Wt. Less Bushing
3 Grooves, Face Width = 3 1/4"					
3C50SD	SD	1/2 - 2"	5.0"	5.40"	10
3C55SD	SD	1/2 - 2	5.5	5.90	12
3C60SF	SF	1/2 - 2 15/16	6.0	6.40	15
3C70SF	SF	1/2 - 2 15/16	7.0	7.40	18
3C75SF	SF	1/2 - 2 15/16	7.5	7.90	20
3C80E	E	7/8 - 3 1/2	8.0	8.40	26
3C85E	E	7/8 - 3 1/2	8.5	8.90	29
3C90E	E	7/8 - 3 1/2	9.0	9.40	32
3C95E	E	7/8 - 3 1/2	9.5	9.90	34
3C100E	E	7/8 - 3 1/2	10.0	10.40	36
3C105E	E	7/8 - 3 1/2	10.5	10.90	38
3C110E	E	7/8 - 3 1/2	11.0	11.40	40
3C120E	E	7/8 - 3 1/2	12.0	12.40	43
3C130E	E	7/8 - 3 1/2	13.0	13.40	45
3C140E	E	7/8 - 3 1/2	14.0	14.40	51
3C160E	E	7/8 - 3 1/2	16.0	16.40	59
3C180E	E	7/8 - 3 1/2	18.0	18.40	65
3C200E	E	7/8 - 3 1/2	20.0	20.40	70
3C240E	E	7/8 - 3 1/2	24.0	24.40	80
3C270F	F	1 - 4	27.0	27.40	105
3C300F	F	1 - 4	30.0	30.40	120
3C360F	F	1 - 4	36.0	36.40	140
3C440F	F	1 - 4	44.0	44.40	170
3C500F	F	1 - 4	50.0	50.40	190
4 Grooves, Face Width = 4 1/4"					
4C50SD	SD	1/2 - 2"	5.0"	5.40"	12
4C55SD	SD	1/2 - 2	5.5	5.90	14
4C60SF	SF	1/2 - 2 15/16	6.0	6.40	17
4C70SF	SF	1/2 - 2 15/16	7.0	7.40	21
4C75SF	SF	1/2 - 2 15/16	7.5	7.90	25
4C80E	E	7/8 - 3 1/2	8.0	8.40	30
4C85E	E	7/8 - 3 1/2	8.5	8.90	33
4C90E	E	7/8 - 3 1/2	9.0	9.40	35
4C95E	E	7/8 - 3 1/2	9.5	9.90	48
4C100E	E	7/8 - 3 1/2	10.0	10.40	40
4C105E	E	7/8 - 3 1/2	10.5	10.90	43
4C110E	E	7/8 - 3 1/2	11.0	11.40	46
4C120E	E	7/8 - 3 1/2	12.0	12.40	50
4C130E	E	7/8 - 3 1/2	13.0	13.40	54
4C140E	E	7/8 - 3 1/2	14.0	14.40	59
4C160E	E	7/8 - 3 1/2	16.0	16.40	65
4C180E	E	7/8 - 3 1/2	18.0	18.40	73
4C200E	E	7/8 - 3 1/2	20.0	20.40	82
4C240F	F	1 - 4	24.0	24.40	105
4C270F	F	1 - 4	27.0	27.40	125
4C300F	F	1 - 4	30.0	30.40	142
4C360F	F	1 - 4	36.0	36.40	172
4C440J	J	1 1/2 - 4 1/2	44.0	44.40	225
4C500J	J	1 1/2 - 4 1/2	50.0	50.40	260
5 Grooves, Face Width = 5 1/4"					
5C60SF	SF	1/2 - 2 15/16	6.0	6.40	21
5C70SF	SF	1/2 - 2 15/16	7.0	7.40	26
5C75SF	SF	1/2 - 2 15/16	7.5	7.90	28
5C80E	E	7/8 - 3 1/2	8.0	8.40	33
5C85E	E	7/8 - 3 1/2	8.5	8.90	37
5C90E	E	7/8 - 3 1/2	9.0	9.40	40
5C95E	E	7/8 - 3 1/2	9.5	9.90	42
5C100E	E	7/8 - 3 1/2	10.0	10.40	45
5C105E	E	7/8 - 3 1/2	10.5	10.90	47
5C110E	E	7/8 - 3 1/2	11.0	11.40	50
5C120E	E	7/8 - 3 1/2	12.00	12.40	53
5C130E	E	7/8 - 3 1/2	13.0	13.40	58
5C140E	E	7/8 - 3 1/2	14.0	14.40	64
5C160E	E	7/8 - 3 1/2	16.0	16.40	73
5C180E	E	7/8 - 3 1/2	18.0	18.40	85
5C200F	E	1 - 4	20.0	20.40	98
5C240F	F	1 - 4	24.0	24.40	119
5C270F	F	1 - 4	27.0	27.40	153
5C300F	F	1 - 4	30.0	30.40	174
5C360J	J	1 1/2 - 4 1/2	36.0	36.40	206
5C440J	J	1 1/2 - 4 1/2	44.0	44.40	254
5C500J	J	1 1/2 - 4 1/2	50.0	50.40	274

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

- 1 - 12 grooves
- 7.40" - 50.40" O.D.
- 1/2" - 5 1/2" bore range
- Machined from fine grain cast iron
- Precision balanced
- Easy on - easy off

Q-D® Bushings

- Can be reverse mounted.
- Setscrew over keyway except JA.
- Stock metric bores - 25mm - 100mm.

Table No. 2 Standard Keyseats

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

1 3/8" bore bushings also available with 3/8" x 3/16" keyseat.

Q-D® Sheaves for "C" Belts

Table No. 1 Specifications - Stock "C" Sheaves

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

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

- 1 - 12 grooves
- 7.40" - 50.40" O.D.
- 1/2" - 5 1/2" bore range
- Machined from fine grain cast iron
- Precision balanced
- Easy on - easy off

Q-D® Bushings

- Can be reverse mounted.
- Setscrew over keyway except JA.
- Stock metric bores - 25mm - 100mm.

For complete catalog dimensions see eCatalog at www.emerson-ept.com

Q-D® Sheaves for "C" Belts

Table No. 1 Specifications - Stock "C" Sheaves

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

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

- 1 - 12 grooves
- 7.40" - 50.40" O.D.
- 1/2" - 5 1/2" bore range
- Machined from fine grain cast iron
- Precision balanced
- Easy on - easy off

Q-D® Bushings

- Can be reverse mounted.
- Setscrew over keyway except JA.
- Stock metric bores - 25mm - 100mm.

Table No. 2 Standard Keyseats

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

1 3/8" bore bushings also available with 3/8" x 3/16" keyseat.

Q-D® Sheaves for "3V" Belts

Table No. 1 Specifications - Stock "D" Sheaves

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

3V
3/8" x 5/16"

- 1 - 10 grooves
- 2.20" - 33.50" O.D.
- 1/2" - 5 1/2" bore range
- Machined from fine grain cast iron
- Precision balanced
- Easy on - easy off

Q-D® Bushings

- Can be reverse mounted.
- Setscrew over keyway except JA.
- Stock metric bores - 25mm - 100mm.

For complete catalog dimensions see eCatalog at www.emerson-ept.com

Q-D® Sheaves for "3V" Belts

Table No. 1 Specifications - Stock "3V" Sheaves

Part No.	Bushing	Bore Range	P.D. "3V" Belts	O.D.	Wt. Less Bushing
3 Grooves, Face Width = 1 1/2"					
33V250JA	JA	1/2" - 1 1/4"	2.45"	2.50"	.8
33V265JA	JA	1/2 - 1 1/4	2.60	2.65	1.0
33V280JA	JA	1/2 - 1 1/4	2.75	2.80	1.4
33V300SH	SH	1/2 - 1 5/8	2.95	3.00	1.7
33V315SH	SH	1/2 - 1 5/8	3.10	3.15	1.8
33V335SH	SH	1/2 - 1 5/8	3.30	3.35	1.9
33V365SH	SH	1/2 - 1 5/8	3.60	3.65	2.3
33V412SH	SH	1/2 - 1 5/8	4.07	4.12	2.8
33V450SDS	SDS	1/2 - 2	4.45	4.50	3.5
33V475SDS	SDS	1/2 - 2	4.70	4.75	4.0
33V500SDS	SDS	1/2 - 2	4.95	5.00	4.5
33V530SDS	SDS	1/2 - 2	5.25	5.30	5.2
33V560SDS	SDS	1/2 - 2	5.55	5.60	6.0
33V600SDS	SDS	1/2 - 2	5.95	6.00	7.0
33V650SDS	SDS	1/2 - 2	6.45	6.50	8.1
33V690SDS	SDS	1/2 - 2	6.85	6.90	8.9
33V800SK	SK	1/2 - 2 5/8	7.95	8.00	11.3
33V1060SK	SK	1/2 - 2 5/8	10.55	10.60	14.0
33V1400SK	SK	1/2 - 2 5/8	13.95	14.00	21.6
33V1900SF	SF	1/2 - 2 15/16	18.95	19.00	32.1
33V2500SF	SF	1/2 - 2 15/16	24.95	25.00	50.0
33V3350SF	SF	1/2 - 2 15/16	33.45	33.50	78.0
4 Grooves, Face Width = 1 28/32"					
43V265JA	JA	1/2 - 1 1/4	2.60	2.65	1.3
43V280JA	JA	1/2 - 1 1/4	2.75	2.80	1.7
43V300SH	SH	1/2 - 1 5/8	2.95	3.00	2.0
43V315SH	SH	1/2 - 1 5/8	3.10	3.15	2.2
43V335SH	SH	1/2 - 1 5/8	3.30	3.35	2.3
43V365SH	SH	1/2 - 1 5/8	3.60	3.65	2.8
43V412SH	SH	1/2 - 1 5/8	4.07	4.12	3.4
43V450SDS	SDS	1/2 - 2	4.45	4.50	4.0
43V475SDS	SDS	1/2 - 2	4.70	4.75	4.6
43V500SDS	SDS	1/2 - 2	4.95	5.00	5.2
43V530SDS	SDS	1/2 - 2	5.25	5.30	5.8
43V560SDS	SDS	1/2 - 2	5.55	5.60	6.8
43V600SDS	SDS	1/2 - 2 5/8	5.95	6.00	8.3
43V650SDS	SDS	1/2 - 2 5/8	6.45	6.50	10.0
43V690SDS	SDS	1/2 - 2 5/8	6.85	6.90	11.9
43V800SK	SK	1/2 - 2 5/8	7.95	8.00	13.0
43V1060SK	SK	1/2 - 2 5/8	10.55	10.60	16.5
43V1400SK	SK	1/2 - 2 5/8	13.95	14.00	22.5
43V1900SF	SF	1/2 - 2 15/16	18.95	19.00	35.0
43V2500SF	SF	1/2 - 2 15/16	24.95	25.00	57.0
43V3350E	SF	1/2 - 3 1/2	33.45	33.50	84.0

3V
3/8" x 5/16"

- 1 - 10 grooves
- 2.20" - 33.50" O.D.
- 1/2" - 5 1/2" bore range
- Machined from fine grain cast iron
- Precision balanced
- Easy on - easy off

Q-D® Bushings

- Can be reverse mounted.
- Setscrew over keyway except JA.
- Stock metric bores - 25mm - 100mm.

Table No. 2 Standard Keyseats

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

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

1 3/8" bore bushings also available with 3/8" x 3/16" keyseat.

Q-D® Sheaves for "3V" Belts

Table No. 1 Specifications - Stock "3V" Sheaves

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

3V
3/8" x 5/16"

- 1 - 10 grooves
- 2.20" - 33.50" O.D.
- 1/2" - 5 1/2" bore range
- Machined from fine grain cast iron
- Precision balanced
- Easy on - easy off

Q-D® Bushings

- Can be reverse mounted.
- Setscrew over keyway except JA.
- Stock metric bores - 25mm - 100mm.

For complete catalog dimensions see eCatalog at www.emerson-ept.com

Q-D® Sheaves for "5V" Belts

Table No. 1 Specifications - Stock "5V" Sheaves

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

5V
5/8" x 17/32"

- 2 - 10 grooves
- 4.40" - 50.00" O.D.
- 1/2" - 5 1/2" bore range
- Machined from fine grain cast iron
- Precision balanced
- Easy on - easy off

Q-D® Bushings

- Can be reverse mounted.
- Setscrew over keyway except JA.
- Stock metric bores - 25mm - 100mm.

Table No. 2 Standard Keyseats

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

1 3/8" bore bushings also available with 3/8" x 3/16" keyseat.

Q-D® Sheaves for "5V" Belts

Table No. 1 Specifications - Stock "5V" Sheaves

Part No.	Bushing	Bore Range	P.D. "5V" Belts	O.D.	Wt. Less Bushing
3 Grooves, Face Width = 2 3/8" (Part)					
35V1400E	E	7/8"-3 1/2"	13.90"	14.00"	37
35V1500E	E	7/8-3 1/2	14.9	15	38
35V1600E	E	7/8-3 1/2	15.9	16	39.2
35V1870E	E	7/8-3 1/2	18.6	18.7	47.2
35V2120E	E	7/8-3 1/2	21.1	21.2	55
35V2360E	E	7/8-3 1/2	23.5	23.6	70.2
35V2800E	E	7/8-3 1/2	27.9	28	86.5
35V3150F	F	1-4	31.4	31.5	116
35V3750F	F	1-4	37.4	37.5	141
35V5000F	F	1-4	49.9	50	211
4 Grooves, Face Width = 3 1/16"					
45V440SD	SD	1/2-2	4.3	4.4	7.5
45V465SD	SD	1/2-2	4.55	4.65	8
45V490SD	SD	1/2-2	4.8	4.9	8.5
45V520SD	SD	1/2-2	5.1	5.2	8.8
45V550SD	SD	1/2-2	5.4	5.5	9.3
45V590SD	SD	1/2-2	5.8	5.9	10.1
45V630SK	SK	1/2-2 5/8	6.2	6.3	11.8
45V670SK	SK	1/2-2 5/8	6.6	6.7	13.6
45V710SF	SF	1/2-2 15/16	7	7.1	14.9
45V750SF	SF	1/2-2 15/16	7.4	7.5	17
45V800E	E	7/8-3 1/2	7.9	8	18.8
45V850E	E	7/8-3 1/2	8.4	8.5	21.9
45V900E	E	7/8-3 1/2	8.9	9	24.2
45V925E	E	7/8-3 1/2	9.15	9.25	25.8
45V975E	E	7/8-3 1/2	9.65	9.75	28.2
45V1030E	E	7/8-3 1/2	10.2	10.3	29.8
45V1090E	E	7/8-3 1/2	10.8	10.9	30.6
45V1130E	E	7/8-3 1/2	11.2	11.3	31.9
45V1180E	E	7/8-3 1/2	11.7	11.8	33
45V1250E	E	7/8-3 1/2	12.4	12.5	36.4
45V1320E	E	7/8-3 1/2	13.1	13.2	38.2
45V1400E	E	7/8-3 1/2	13.9	14	40.2
45V1500E	E	7/8-3 1/2	14.9	15	43.5
45V1600E	E	7/8-3 1/2	15.9	16	44.6
45V1870E	E	7/8-3 1/2	18.6	18.7	53.6
45V2120E	E	7/8-3 1/2	21.1	21.2	62.5
45V2360F	F	1-4	23.5	23.6	83.5
45V2800F	F	1-4	27.9	28	126
45V3150F	F	1-4	31.4	31.5	148
45V3750F	F	1-4	37.4	37.5	170
45V5000J	J	1 1/2-4 1/2	49.9	50	248

5V
5/8" x 17/32"

- 2 - 10 grooves
- 4.40" - 50.00" O.D.
- 1/2" - 5 1/2" bore range
- Machined from fine grain cast iron
- Precision balanced
- Easy on - easy off

Q-D® Bushings

- Can be reverse mounted.
- Setscrew over keyway except JA.
- Stock metric bores - 25mm - 100mm.

For complete catalog dimensions see eCatalog at www.emerson-ept.com

Q-D® Sheaves for "5V" Belts

Table No. 1 Specifications - Stock "5V" Sheaves

Part No.	Bushing	Bore Range	P.D. "5V" Belts	O.D.	Wt. Less Bushing
5 Grooves, Face Width = 3 3/4"					
55V440SD	SD	1/2"-2"	4.30"	4.40"	8.9
55V465SD	SD	1/2/2002	4.55	4.65	9.2
55V490SD	SD	1/2/2002	4.8	4.9	10.1
55V520SD	SD	1/2/2002	5.1	5.2	10.8
55V550SD	SD	1/2/2002	5.4	5.5	12
55V590SK	SK	1/2-2 5/8	5.8	5.9	13.2
55V630SK	SK	1/2-2 5/8	6.2	6.3	15.9
55V670SF	SF	1/2-2 15/16	6.6	6.6	18.6
55V710SF	SF	1/2-2 15/16	7	7.1	21.7
55V750SF	SF	1/2-2 15/16	7.4	7.5	22.8
55V800E	E	7/8-3 1/2	7.9	8	23.7
55V850E	E	7/8-3 1/2	8.4	8.5	24.8
55V900E	E	7/8-3 1/2	8.9	9	26.3
55V925E	E	7/8-3 1/2	9.15	9.25	28.2
55V975E	E	7/8-3 1/2	9.65	9.75	32
55V1030E	E	7/8-3 1/2	10.2	10.3	33
55V1090E	E	7/8-3 1/2	10.8	10.9	35
55V1130E	E	7/8-3 1/2	11.2	11.3	36.5
55V1180E	E	7/8-3 1/2	11.7	11.8	38
55V1250E	E	7/8-3 1/2	12.4	12.5	40.8
55V1320E	E	7/8-3 1/2	13.1	13.2	42.3
55V1400E	E	7/8-3 1/2	13.9	14	44.6
55V1500E	E	7/8-3 1/2	14.9	15	48.2
55V1600E	E	7/8-3 1/2	15.9	16	51.2
55V1870F	F	1-4	18.6	18.7	70.2
55V2120F	F	1-4	21.1	21.2	89
55V2360F	F	1-4	23.5	23.6	105
55V2800F	F	1-4	27.9	28	123
55V3150J	J	1 1/2-4 1/2	31.4	31.5	151
55V3750J	J	1 1/2-4 1/2	37.4	37.5	190
55V5000J	J	1 1/2-4 1/2	49.9	50	278
6 Grooves, Face Width = 4 7/16"					
65V440SD	SD	37258	4.3	4.4	10.1
65V465SD	SD	37258	4.55	4.65	10.4
65V490SD	SD	37258	4.8	4.9	11.2
65V520SD	SD	37258	5.1	5.2	12.1
65V550SD	SD	37258	5.4	5.5	13.3
65V590SK	SK	1/2-2 5/8	5.8	5.9	14.6
65V630SK	SK	1/2-2 5/8	6.2	6.3	17.4
65V670SF	SF	1/2-2 15/16	6.6	6.7	20
65V710SF	SF	1/2-2 15/16	7	7.1	21.9
65V750SF	SF	1/2-2 15/16	7.4	7.5	23.4
65V800E	E	7/8-3 1/2	7.9	8	24.2
65V850E	E	7/8-3 1/2	8.4	8.5	26.7
65V900E	E	7/8-3 1/2	8.9	9	28.5
65V925E	E	7/8-3 1/2	9.15	9.25	30.2
65V975E	E	7/8-3 1/2	9.65	9.75	33.8
65V1030E	E	7/8-3 1/2	10.2	10.3	36.6
65V1090E	E	7/8-3 1/2	10.8	10.9	38.1
65V1130E	E	7/8-3 1/2	11.2	11.3	39.8
65V1180E	E	7/8-3 1/2	11.7	11.8	41.2
65V1250F	F	1-4	12.4	12.5	58.2
65V1320F	F	1-4	13.1	13.2	64
65V1400F	F	1-4	13.9	14	66
65V1500F	F	1-4	14.9	15	68
65V1600F	F	1-4	15.9	16	77.5
65V1870F	F	1-4	18.6	18.7	85.8
65V2120F	F	1-4	21.1	21.2	96
65V2360J	J	1 1/2-4 1/2	23.5	23.6	113
65V2800J	J	1 1/2-4 1/2	27.9	28	148
65V3150J	J	1 1/2-4 1/2	31.4	31.5	183
65V3750J	J	1 1/2-4 1/2	37.4	37.5	218
65V5000M	M	2-5 1/2	49.90	50.00	310

5V
5/8" x 17/32"

- 2 - 10 grooves
- 4.40" - 50.00" O.D.
- 1/2" - 5 1/2" bore range
- Machined from fine grain cast iron
- Precision balanced
- Easy on - easy off

Q-D® Bushings

- Can be reverse mounted.
- Setscrew over keyway except JA.
- Stock metric bores - 25mm - 100mm.

Table No. 2 Standard Keyseats

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

1 3/8" bore bushings also available with 3/8" x 3/16" keyseat.

Q-D® Sheaves for "5V" Belts

Table No. 1 Specifications - Stock "5V" Sheaves

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

5V
5/8" x 17/32"

- 2 - 10 grooves
- 4.40" - 50.00" O.D.
- 1/2" - 5 1/2" bore range
- Machined from fine grain cast iron
- Precision balanced
- Easy on - easy off

Q-D® Bushings

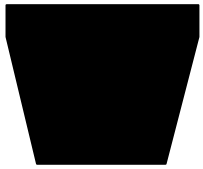
- Can be reverse mounted.
- Setscrew over keyway except JA.
- Stock metric bores - 25mm - 100mm.

For complete catalog dimensions see eCatalog at www.emerson-ept.com

Q-D® Sheaves for "8V" Belts

Table No. 1 Specifications - Stock "8V" Sheaves

Part No.	Bushing	Bore Range	P.D. "8V" Belts	O.D.	Wt. Less Bushing
4 Grooves, Face Width = 4 7/8"					
48V1250F	F	1"-4"	12.30"	12.50"	75
48V1320F	F	1-4	13.00	13.20	81
48V1400F	F	1-4	13.80	14.00	87
48V1500F	F	1-4	14.80	15.00	91
48V1600F	F	1-4	15.80	16.00	96
48V1700F	F	1-4	16.80	17.00	104
48V1800F	F	1-4	17.80	18.00	114
48V1900F	F	1-4	18.80	19.00	121
48V2000J	J	1 1/2-4 1/2	19.80	20.00	136
48V2120J	J	1 1/2-4 1/2	21.00	21.20	145
48V2240J	J	1 1/2-4 1/2	22.00	22.40	154
48V2480M	M	2-5 1/2	24.60	24.80	176
48V3000M	M	2-5 1/2	29.80	30.00	224
48V3550M	M	2-5 1/2	35.30	35.50	267
48V4000M	M	2-5 1/2	39.80	40.00	310
48V4450M	M	2-5 1/2	44.30	44.50	363
48V5300M	M	2-5 1/2	52.80	53.00	437
5 Grooves, Face Width = 6"					
58V1250F	F	1-4	12.30	12.50	82
58V1320F	F	1-4	13.00	13.20	89
58V1400F	F	1-4	13.80	14.00	99
58V1500F	F	1-4	14.80	15.00	103
58V1600F	F	1-4	15.80	16.00	111
58V1700J	J	1 1/2-4 1/2	16.80	17.00	119
58V1800J	J	1 1/2-4 1/2	17.80	18.00	131
58V1900J	J	1 1/2-4 1/2	18.80	19.00	142
58V2000J	J	1 1/2-4 1/2	19.80	20.00	151
58V2120J	J	1 1/2-4 1/2	21.00	21.20	167
58V2240M	M	2-5 1/2	22.20	22.40	178
58V2480M	M	2-5 1/2	24.60	24.80	201
58V3000M	M	2-5 1/2	29.80	30.00	243
58V3550M	M	2-5 1/2	35.30	35.50	278
58V4000M	M	2-5 1/2	39.80	40.00	340
58V4450N	N	2 7/16-5 7/8	44.30	44.50	418
58V5300N	N	2 7/16-5 7/8	52.80	53.00	496
6 Grooves, Face Width = 7/8"					
68V1250F	F	1"-4"	12.30"	12.50"	90
68V1320F	F	1-4	13.00	13.20	98
68V1400F	F	1-4	13.80	14.00	112
68V1500J	J	1 1/2-4 1/2	14.80	15.00	123
68V1600J	J	1 1/2-4 1/2	15.80	16.00	129
68V1700J	J	1 1/2-4 1/2	16.80	17.00	136
68V1800J	J	1 1/2-4 1/2	17.80	18.00	143
68V1900J	J	1 1/2-4 1/2	18.80	19.00	157
68V2000M	M	2-5 1/2	19.80	20.00	179
68V2120M	M	2-5 1/2	21.00	21.20	193
68V2240M	M	2-5 1/2	22.20	22.40	205
68V2480M	M	2-5 1/2	24.60	24.80	235
68V3000M	M	2-5 1/2	29.80	30.00	285
68V3550N	N	2 7/16-5 7/8	35.3	35.5	340
68V4000N	N	2 7/16-5 7/8	39.8	40	394
68V4450N	N	2 7/16-5 7/8	44.3	44.5	489
68V5300N	N	2 7/16-5 7/8	52.8	53	584



8V
1" x 29/32"

- 4 - 12 grooves
- 12.50" - 53.00" O.D.
- 1" - 7" bore range
- Machined from fine grain cast iron
- Precision balanced
- Easy on - easy off

Q-D® Bushings

- Can be reverse mounted.
- Setscrew over keyway except JA.
- Stock metric bores - 25mm - 100mm.

Table No. 2 Standard Keyseats

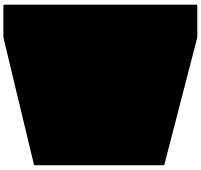
Bore Range	Keyseat
1"—1 1/4"	1/4" x 1/8"
1 5/16—1 3/8	5/16 x 5/32
1 7/16—1 3/4	3/8 x 3/16
1 13/16—2 1/4	1/2 x 1/4
2 5/16—2 3/4	5/8 x 5/16
2 13/16—3 1/4	3/4 x 3/8
3 3/8—3 3/4	7/8 x 7/16
3 7/8—4 1/4	1 x 1/2
4 9/16—5 1/2	1 1/4 x 5/8
5 9/16—6 1/2	1 1/2 x 3/4
6 9/16—7	1 3/4 x 5/8

1 3/8" bore bushings also available with 3/8" x 3/16" keyseat.

Q-D® Sheaves for "8V" Belts

Table No. 1 Specifications - Stock "8V" Sheaves

Part No.	Bushing	Bore Range	P.D "8V" Belts	O.D.	Wt. Less Bushing
8 Grooves, Face Width = 9 3/8"					
88V1250J	J	1 1/2-4 1/2	12.3	12.5	131
88V1320J	J	1 1/2-4 1/2	13	13.2	160
88V1400J	J	1 1/2-4 1/2	13.8	14	175
88V1500J	J	1 1/2-4 1/2	14.8	15	186
88V1600J	J	1 1/2-4 1/2	15.8	16	210
88V1700M	M	2-5 1/2	16.8	17	221
88V1800M	M	2-5 1/2	17.8	18	235
88V1900M	M	2-5 1/2	18.8	19	250
88V2000M	M	2-5 1/2	19.8	20	265
88V2120M	M	2-5 1/2	21	21.2	280
88V2240M	M	2-5 1/2	22.2	22.4	295
88V2480N	N	2 7/16-5 7/8	24.6	24.8	320
88V3000N	N	2 7/16-5 7/8	29.8	30	375
88V3550N	N	2 7/16-5 7/8	35.3	35.5	442
88V4000N	N	2 7/16-5 7/8	39.8	40	530
88V4450P	P	2 15/16-7	44.3	44.5	610
88V5300P	P	2 15/16-7	52.8	53	795
88V6300P	P	2 15/16-7	62.8	63	995
10 Grooves, Face Width = 11 5/8"					
108V1250J	J	1 1/2-4 1/2	12.3	12.5	155
108V1320J	J	1 1/2-4 1/2	13	13.2	190
108V1400J	J	1 1/2-4 1/2	13.8	14	210
108V1500M	M	2-5 1/2	14.8	15	266
108V1600M	M	2-5 1/2	15.8	16	256
108V1700M	M	2-5 1/2	16.8	17	281
108V1800M	M	2-5 1/2	17.8	18	290
108V1900M	M	2-5 1/2	18.8	19	301
108V2000M	M	2-5 1/2	19.8	20	325
108V2120M	M	2-5 1/2	21	21.2	340
108V2240N	N	2 7/16-5 7/8	22.2	22.4	365
108V2480N	N	2 7/16-5 7/8	24.6	24.8	390
108V3000N	N	2 7/16-5 7/8	29.8	30	435
108V3550P	P	2 15/16-7	35.3	35.5	507
108V4000P	P	2 15/16-7	39.8	40	615
108V4450P	P	2 15/16-7	44.3	44.5	710
108V5300P	P	2 15/16-7	52.8	53	945
12 Grooves, Face Width = 13 7/8"					
128V1250M	M	2-5 1/2	12.3	12.5	195
128V1320M	M	2-5 1/2	13	13.2	230
128V1400M	M	2-5 1/2	13.8	14	250
128V1500M	M	2-5 1/2	14.8	15	268
128V1600M	M	2-5 1/2	15.8	16	296
128V1700M	M	2-5 1/2	16.8	17	341
128V1800M	M	2-5 1/2	17.8	18	345
128V1900N	N	2 7/16-5 7/8	18.8	19	352
128V2000N	N	2 7/16-5 7/8	19.8	20	385
128V2120N	N	2 7/16-5 7/8	21	21.2	400
128V2240N	N	2 7/16-5 7/8	22.2	22.4	435
128V2480N	N	2 7/16-5 7/8	24.6	24.8	460
128V3000P	P	2 15/16-7	29.8	30	495
128V3550P	P	2 15/16-7	35.3	35.5	572
128V4000P	P	2 15/16-7	39.8	40	700
128V4450P	P	2 15/16-7	44.3	44.5	825



8V
1" x 29/32"

- 4 - 12 grooves
- 12.50" - 53.00" O.D.
- 1" - 7" bore range
- Machined from fine grain cast iron
- Precision balanced
- Easy on - easy off

Q-D® Bushings

- Can be reverse mounted.
- Setscrew over keyway except JA.
- Stock metric bores - 25mm - 100mm.

For complete catalog dimensions see eCatalog at www.emerson-ept.com

Design and Installation Suggestions

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

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

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

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

Watch these points particularly when installing drives:

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

For more detailed tensioning instructions and an inexpensive tension checker, see page 109.

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

Caution –Install guards according to local and national codes.

Minimum Center Distance Allowance for Belt Installation and Take-Up

Table No. 1

Belt No.	Allowance for Installation (inches)				Allowance for Initial Tensioning and Subsequent Take-Up (inches)
	A	B	C	D	All Sections
26 - 35	0.8	1.0	–	–	1
38 - 55	0.8	1.0	1.5	–	1.5
60 - 85	0.8	1.3	1.5	–	2
90 - 112	1	1.3	1.5	–	2.5
120 - 144	1	1.3	1.5	2.0	3
158 - 180	–	1.3	2.0	2.0	3.5
195 - 210	–	1.5	2.0	2.0	4
240	–	1.5	2.0	2.5	4.5
220 - 300	–	1.5	2.0	2.5	5
330 - 390	–	–	2.0	2.5	6
420 and over	–	–	2.3	3	11/2% of Belt Length
	3V	**5V**	**8V**		**All Sections**
250 - 475	0.5	–	–		1.0
500 - 710	0.8	1	–		1.2
750 - 1060	0.8	1	1.5		1.5
1120 - 1250	0.8	1	1.5		1.8
1320 - 1700	0.8	1	1.5		2.2
1800 - 2000	–	1	1.8		2.5
2120 - 2240	–	1.2	1.8		2.8
2360	–	1.2	1.8		3
2500 - 2650	–	1.2	1.8		3.2
2800 - 3000	–	1.2	1.8		3.5
3150	–	1.2	1.8		4.0
3350 - 3550	–	1.5	2		4.0
3750	–	–	2		4.5
4000 - 5000	–	–	2		5.5
5600	–	–	2		6.0

Basic Drive Selection Procedure

Selections are based on horsepower ratings for single belt and are not corrected for arc of contact, belt length or ratio. Selections based on a 1.0 service factor. Drive calculations based on motor or smaller sheave operating at 1750 rpm.

Application characteristics**: Low horsepower**

- For single groove low horsepower application (under 3 hp)
- Ideal for fan applications

FHP (Fractional Horsepower) V-Belts

Belt Type 3L	**Pitch Dia.**	1.25*	1.5	1.75	2.0	2.5	3.0	3.5	4.0	4.5	5.0	-	-
	hp Rating	0.09	0.15	0.23	0.29	0.43	0.55	0.61	0.67	0.73	0.78		
Belt Type 4L	**Pitch Dia.**	1.25*	1.5”	2.0”	2.5	3	3.5	4.0	4.5 1.49	5.0	5.5	6.0	-
	hp Rating	0.09	0.14	0.29	0.6	0.88	1.17	1.37	1.49	1.61	1.7	1.78	
Belt Type 5L	**Pitch Dia.**	2.2”	2.5”	3.0”	3.4	3.9	4.4	4.9	5.4	5.9	6.4	6.9	7.4
	hp Rating	0.36	0.45	0.71	1.07	1.52	1.95	2.26	2.39	2.50	2.59	2.68	2.71

Application characteristics**: Medium horsepower**

- For industrial applications requiring single or multiple V-belt drives
- Transmits more horsepower and has longer life expectancy than FHP V-belts
- Suited for "clutching" applications

A, B and C Type V-Belts

Belt Type A	**Pitch Dia.**	2.00*	2.20*	2.60*	3.00	3.40	3.70	4.00	4.40	4.70	5.00	5.40	5.70	6.00	6.40	7.00	8.00
	hp Rating	0.90	1.17	1.69	2.23	2.95	3.40	4.00	4.69	5.20	5.96	6.35	6.83	7.30	7.91	8.81	10.22
Belt Type B	**Pitch Dia.**	3.00	3.30*	3.80*	4.20*	4.60*	5.00*	5.40	5.80	6.20	6.60	7.00	7.40	8.00	8.60	9.00	9.40
	hp Rating	1.58	2.47	3.34	4.19	5.10	6.16	7.21	8.22	9.22	10.19	11.13	12.06	13.39	14.66	15.48	16.27
Belt Type C	**Pitch Dia.**	5.60	7.00*	7.40*	7.80*	8.20*	8.60*	9.00	9.40	9.80	10.20	11.00	12.00	14.00	-	-	-
	hp Rating	6.94	12.09	13.62	15.11	16.56	17.96	19.32	20.62	21.88	23.09	25.35	27.86	31.76			

Application characteristics**: Medium/High horsepower**

- For industrial applications requiring single or multiple V-belt drives
- Raw edge, cogged
- Transmits more horsepower than comparable A, B, and C belts
- Raw edge design provides more aggressive gripping with less belt slippage
- Cogged construction allows belt to flex easier around drive sheave and run cooler than non-cogged belts
- Not for use on (clutching) applications because of aggressive grip

AX, BX and CX Type V-Belts

Belt Type AX	**Pitch Dia.**	2.00*	2.20	2.60	3.00	3.40	3.70	4.00	4.70	5.00	5.40	5.70	6.00	6.40	7.00	8.00	-
	hp Rating	1.24	1.58	2.25	2.90	3.53	3.99	4.46	5.67	6.18	6.84	7.34	7.82	8.45	9.39	10.88	
Belt Type BX	**Pitch Dia.**	3.00*	3.40*	3.80	4.20	4.60	5.00	5.40	5.80	6.20	6.60	7.00	7.40	8.00	8.60	9.00	9.40
	hp Rating	3.72	4.62	5.50	6.36	7.19	8.08	9.19	10.27	11.34	12.39	13.41	14.42	15.89	17.32	18.23	19.13
Belt Type CX	**Pitch Dia.**	5.60*	7.00	7.40	7.80	8.20	8.60	9.00	9.40	9.80	10.20	11.00	12.00	14.00	-	-	-
	hp Rating	14.10	18.35	19.49	20.60	21.66	23.14	24.61	26.05	27.44	28.79	31.37	34.32	39.31			

Application characteristics**: High horsepower**

- For industrial applications requiring single or multiple V-belt drives
- Transmits substantially more horsepower than A, AX, B, BX, C and CX, which allows for more compact drive systems (smaller sheave O.D. and/or fewer grooves)
- Raw edge, cogged

* Below RMA minimum recommended pitch diameter.

Note: For speeds not shown on this page, use tables on pages 108-109. Drives must be corrected for loss in arc of contact.

Overload Service Factors

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

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

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

1. The motor must have greater capacity than the driven unit.
2. The drive must have greater capacity than the motor.

Careful consideration of Overload Service Factors for various types of driven units, drivers, type of starting, frequency of maintenance and other drive conditions is extremely important for satisfactory performance and life.

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

Table No. 1 Suggested Overload Service Factors for Typical Applications

TYPES OF DRIVEN MACHINES	TYPES OF DRIVING UNITS					
	AC Motors; Normal Torque, Squirrel Cage, Synchronous and Split Phase. DC Motors; Shunt Wound. Multiple Cylinder Internal Combustion Engines.			AC Motors; High Torque, High Slip, Repulsion-Induction, Single Phase, Series Wound and Slip Ring. DC Motors; Series Wound and Compound Wound. Single Cylinder Internal Combustion Engines. Clutches.Line Shafts.		
	Intermittent Service (3-5 Hours Daily or Seasonal)	Normal Service (8-10 Hours Daily)	Continuous Service (16-24 Hours Daily)	Intermittent Service (3-5 Hours Daily or Seasonal)	Normal Service (8-10 Hours Daily)	Continuous Service (16-24 Hours Daily)
Agitators for Liquids Blowers and Exhausters Centrifugal Pumps and Compressors Fans up to 10 hp Light Duty Conveyors	1	1.1	1.2	1.1	1.2	1.3
Belt Conveyors for Sand, Grain, etc. Dough Mixers Fans Over 10 hp Generators Line Shafts Laundry Machinery Machine Tools Punches-Presses-Shears Printing Machinery Positive Displacement Rotary Pumps Revolving and Vibrating Screens Speed Reducers, All Types	1.1	1.2	1.3	1.2	1.3	1.4
Brick Machinery Bucket Elevators Exciters Piston Compressors Conveyors (Drag-Pan-Screw) Hammer Mills Paper Mill Beaters Piston Pumps Positive Displacement Blowers Pulverizers Saw Mill and Woodworking Machinery Textile Machinery	1.2	1.3	1.4	1.4	1.5	1.6
Crushers (Gyratory-Jaw-Roll) Mills (Ball-Rod-Tube) Hoists Rubber Calenders-Extruders-Mills	1.3	1.4	1.5	1.5	1.6	1.8

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

Service factor should be increased by 0.2 on drive units with an increaser drive speed of 2200 rmp or lower when using a 1750 rpm motor. This is a speed-up ratio of 1.25 or less. For speed increaser drives or speed-up drives greater than 2200 rpm, the recommendation is to use a 2.0 service factor.

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

Datum System

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

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

Belt Velocity

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

Belt Velocity in Feet per Minute (rpm) =

D.D. or P.D. of Sheave × .2618 × Speed of Sheave (rpm)

Cast Iron Sheaves must not be used beyond 6500 fpm belt speed. Since the majority of stock sheaves are made of cast iron, we list no ratings above 6500 fpm.

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

Special Balance

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

Center Distance and Belt Length

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

Interpolation

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

Interpolation example:

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

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

Center distance and belt lengths determined by interpolation are usually close enough as all drives should provide for take-up as indicated on page ???. If closer calculation is necessary for any reason use the following formula:

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

where:

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

Driven Speed Variations

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

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

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

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

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

Belt Section Selection Chart

Table No. 1

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

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

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

This and the other information on this page is included for technical support in figuring non-standard drives.

Correction Factor for Belt Length

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

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

Table No. 1

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

Table No. 2

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

Correction Factor for Loss in Arc of Contact

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

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

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

Table No. 3

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

Table No. 4

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

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

1 hp = 54" lbs. @ 1160 rpm

1 hp = 36" lbs. @ 1750 rpm

$$hp = \frac{\text{FORCE x FPM}}{33{,}000}$$

$$hp = \frac{T\text{ " lbs. x rpm}}{63{,}025}$$

$$hp = \frac{T\text{ ' lbs. x rpm}}{5{,}252}$$

$$T\text{ " lbs.} = \frac{63{,}025 \times hp}{rpm}$$

$$T\text{ ' lbs.} = \frac{5{,}252 \times hp}{rpm}$$

$$FPM = .2618 \times DIA. \times rpm$$

$$rpm = \frac{63{,}025 \times hp}{TORQUE}$$

$$T = FORCE \times LEVER\ ARM$$

$$F = \frac{TORQUE}{RADIUS}$$

$$rpm = \frac{FPM}{.2618 \times DIA.}$$

$$OL = \frac{2TK}{D}$$

K= 1.0 for Chain Drives
1.25 for Gear Drives
1.25 for Gearbelt Drives
1.50 for V-Belt Drives
2.50 for Flat Belt Drives

LINEAL SHAFT EXPANSION
= .0000063 x length in inches x temperature inc. in degrees F

KW = hp x .7457

IN. = MM/25.4

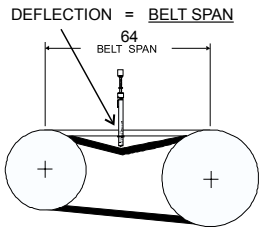
TEMP °C = (°F-32) .556

LBS = Kg x 2.205

Tensioning V-Belt Drives

General rules of tensioning.

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



Part Number
"Belt Tension Checker"

Tension Measurement Procedure

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

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

Table No. 2 FHP Belts

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

Table No. 1 Sheave Diameter - Inches — Deflection Force - Lbs

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

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

Browning®

A Gripbelt Horsepower Tables

"A" Super Gripbelt® Belts

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

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

"AX" Gripnotch® Belts

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

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

** Belt Speeds are very low, other types of drives should be considered; consult Application Engineering.

A Gripbelt Horsepower Tables

"A" Super Gripbelt® Belts

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

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

"AX" Gripnotch® Belts

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

rpm of Smaller Sheave	SHEAVE DATUM DIAMETERS											DRIVE RATIO CORRECTION								
	5.20	5.40	5.50	5.70	5.80	6.00	6.20	6.40	6.70	7.00	8.00	1.03-1.07	1.08-1.13	1.14-1.21	1.22-1.3	1.31-1.44	1.45-1.64	1.65-2.01	2.02-3	3.01-& UP
1160	4.69	4.93	5.05	5.29	5.41	5.64	5.87	6.11	6.45	6.80	7.92	0.05	0.10	0.15	0.19	0.24	0.29	0.34	0.39	0.44
1450	5.62	5.91	6.05	6.33	6.47	6.75	7.03	7.31	7.72	8.13	9.45	0.06	0.12	0.18	0.24	0.30	0.36	0.42	0.48	0.54
1750	6.51	6.84	7.01	7.34	7.50	7.82	8.14	8.46	8.93	9.39	10.88	0.07	0.15	0.22	0.29	0.37	0.44	0.51	0.58	0.66
2900	9.29	9.74	9.97	10.40	10.62	11.04	11.45	11.85	12.44	12.99	14.67	0.12	0.24	0.36	0.48	0.61	0.73	0.85	0.97	1.09
3500	10.30	10.78	11.01	11.46	11.68	12.11	12.52	12.91	13.46	13.98	–	0.15	0.29	0.44	0.58	0.73	0.88	1.02	1.17	1.31
600	**	**	**	**	3.16	3.28	3.40	3.52	3.70	3.90	4.55	0.03	0.05	0.08	0.10	0.13	0.15	0.18	0.20	0.23
800	3.49	3.65	3.73	3.88	3.97	4.14	4.31	4.48	4.73	4.99	5.82	0.03	0.07	0.10	0.13	0.17	0.20	0.23	0.27	0.30
1000	4.15	4.36	4.47	4.68	4.78	4.99	5.20	5.40	5.71	6.01	7.01	0.04	0.08	0.13	0.17	0.21	0.25	0.29	0.33	0.38
1200	4.82	5.07	5.19	5.44	5.56	5.80	6.04	6.28	6.63	6.99	8.14	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45
1400	5.46	5.74	5.88	6.16	6.30	6.57	6.84	7.11	7.51	7.91	9.19	0.06	0.12	0.18	0.23	0.29	0.35	0.41	0.47	0.53
1600	6.07	6.38	6.54	6.84	7.00	7.30	7.60	7.90	8.34	8.77	10.18	0.07	0.13	0.20	0.27	0.33	0.40	0.47	0.53	0.60
1800	6.65	6.99	7.16	7.49	7.66	7.99	8.32	8.64	9.12	9.59	11.10	0.08	0.15	0.23	0.30	0.38	0.45	0.53	0.60	0.68
2000	7.20	7.57	7.75	8.11	8.29	8.64	8.99	9.33	9.84	10.34	11.94	0.08	0.17	0.25	0.33	0.42	0.50	0.58	0.67	0.75
2200	7.72	8.11	8.30	8.69	8.88	9.25	9.62	9.98	10.52	11.04	12.70	0.09	0.18	0.28	0.37	0.46	0.55	0.64	0.73	0.83
2400	8.21	8.62	8.82	9.23	9.42	9.82	10.20	10.58	11.14	11.68	13.37	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90
2600	8.67	9.10	9.31	9.73	9.93	10.34	10.74	11.13	11.70	12.26	13.96	0.11	0.22	0.33	0.43	0.54	0.65	0.76	0.87	0.98
2800	9.09	9.54	9.76	10.19	10.40	10.82	11.23	11.63	12.21	12.77	14.46	0.12	0.23	0.35	0.47	0.58	0.70	0.82	0.93	1.05
3000	9.48	9.94	10.16	10.61	10.82	11.25	11.66	12.07	12.65	13.21	14.85	0.13	0.25	0.38	0.50	0.63	0.75	0.88	1.00	1.13
3200	9.84	10.30	10.53	10.98	11.20	11.63	12.05	12.45	13.03	13.57	–	0.13	0.27	0.40	0.53	0.67	0.80	0.94	1.07	1.20
3400	10.16	10.63	10.86	11.31	11.53	11.96	12.37	12.77	13.33	13.86	–	0.14	0.28	0.43	0.57	0.71	0.85	0.99	1.14	1.28
3600	10.44	10.91	11.15	11.60	11.81	12.24	12.64	13.03	13.57	–	–	0.15	0.30	0.45	0.60	0.75	0.90	1.05	1.20	1.35
3800	10.68	11.16	11.39	11.83	12.04	12.46	12.85	13.22	–	–	–	0.16	0.32	0.48	0.63	0.79	0.95	1.11	1.27	1.43
4000	10.89	11.35	11.58	12.01	12.22	12.62	13.00	–	–	–	–	0.17	0.33	0.50	0.67	0.84	1.00	1.17	1.34	1.50
4400	11.17	11.61	11.82	–	–	–	–	–	–	–	–	0.18	0.37	0.55	0.73	0.92	1.10	1.29	1.47	1.65
4800	–	–	–	–	–	–	–	–	–	–	–	0.20	0.40	0.60	0.80	1.00	1.20	1.40	1.60	1.80
5200	–	–	–	–	–	–	–	–	–	–	–	0.22	0.43	0.65	0.87	1.09	1.30	1.52	1.74	1.95
5600	–	–	–	–	–	–	–	–	–	–	–	0.23	0.47	0.70	0.93	1.17	1.40	1.64	1.87	2.10
6000	–	–	–	–	–	–	–	–	–	–	–	0.25	0.50	0.75	1.00	1.25	1.50	1.75	2.00	2.25
6500	–	–	–	–	–	–	–	–	–	–	–	0.27	0.54	0.81	1.08	1.36	1.63	1.90	2.17	2.44
7000	–	–	–	–	–	–	–	–	–	–	–	0.29	0.59	0.88	1.17	1.46	1.75	2.05	2.34	2.63
7500	–	–	–	–	–	–	–	–	–	–	–	0.31	0.63	0.94	1.25	1.57	1.88	2.19	2.50	2.82
8000	–	–	–	–	–	–	–	–	–	–	–	0.33	0.67	1.00	1.34	1.67	2.00	2.34	2.67	3.01

** Belt Speeds are very low, other types of drives should be considered; consult Application Engineering.

B Gripbelt Horsepower Tables

"B" Super Gripbelt® Belts

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

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

"BX" Gripnotch® Belts

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

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

* Belt Speeds are very low, other types of drives should be considered; consult Application Engineering.

B Gripbelt Horsepower Tables

"B" Super Gripbelt® Belts

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

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

"BX" Gripnotch® Belts

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

rpm of Smaller Sheave	SHEAVE DATUM DIAMETERS											DRIVE RATIO CORRECTION								
	6.80	7.00	7.10	7.40	7.90	8.00	8.40	8.60	8.90	9.00	9.40	1.03-1.07	1.08-1.13	1.14-1.21	1.22-1.30	1.31-1.44	1.45-1.64	1.65-2.01	2.02-3.00	3.01-& UP
1450	11.19	11.64	11.86	12.53	13.62	13.83	14.69	15.11	15.73	15.94	16.76	0.09	0.19	0.28	0.37	0.46	0.56	0.65	0.74	0.84
1750	12.90	13.41	13.67	14.42	15.65	15.89	16.84	17.31	18.00	18.23	19.13	0.11	0.22	0.34	0.45	0.56	0.67	0.79	0.90	1.01
2900	17.60	18.22	18.52	19.39	20.75	21.01	21.98	–	–	–	–	0.19	0.37	0.56	0.74	0.93	1.12	1.30	1.49	1.67
3500	18.66	19.22	–	–	–	–	–	–	–	–	–	0.22	0.45	0.67	0.90	1.12	1.35	1.57	1.79	2.02
400	**	**	**	**	**	**	**	5.11	5.33	5.40	5.70	0.03	0.05	0.08	0.10	0.13	0.15	0.18	0.21	0.23
600	5.38	5.59	5.70	6.02	6.55	6.66	7.08	7.29	7.60	7.71	8.12	0.04	0.08	0.12	0.15	0.19	0.23	0.27	0.31	0.35
800	6.88	7.15	7.29	7.70	8.38	8.52	9.06	9.33	9.73	9.86	10.39	0.05	0.10	0.15	0.21	0.26	0.31	0.36	0.41	0.46
1000	8.29	8.63	8.79	9.29	10.11	10.27	10.92	11.25	11.73	11.88	12.52	0.06	0.13	0.19	0.26	0.32	0.38	0.45	0.51	0.58
1200	9.63	10.02	10.21	10.79	11.73	11.92	12.67	13.04	13.59	13.77	14.50	0.08	0.15	0.23	0.31	0.38	0.46	0.54	0.62	0.69
1400	10.89	11.32	11.54	12.19	13.25	13.46	14.30	14.71	15.32	15.52	16.32	0.09	0.18	0.27	0.36	0.45	0.54	0.63	0.72	0.81
1600	12.07	12.55	12.79	13.50	14.66	14.89	15.80	16.25	16.91	17.13	17.99	0.10	0.21	0.31	0.41	0.51	0.62	0.72	0.82	0.92
1800	13.17	13.69	13.95	14.71	15.96	16.21	17.17	17.65	18.35	18.58	19.48	0.12	0.23	0.35	0.46	0.58	0.69	0.81	0.92	1.04
2000	14.18	14.74	15.01	15.82	17.14	17.40	18.41	18.90	19.63	19.86	20.79	0.13	0.26	0.38	0.51	0.64	0.77	0.90	1.03	1.15
2200	15.11	15.69	15.98	16.83	18.19	18.45	19.49	19.99	20.73	20.97	21.91	0.14	0.28	0.42	0.56	0.71	0.85	0.99	1.13	1.27
2400	15.95	16.55	16.84	17.71	19.10	19.37	20.42	20.92	21.65	21.89	22.81	0.15	0.31	0.46	0.62	0.77	0.92	1.08	1.23	1.38
2600	16.69	17.30	17.60	18.48	19.88	20.15	21.18	21.67	22.38	22.61	23.48	0.17	0.33	0.50	0.67	0.83	1.00	1.17	1.33	1.50
2800	17.32	17.94	18.24	19.12	20.50	20.76	21.76	22.23	–	–	–	0.18	0.36	0.54	0.72	0.90	1.08	1.26	1.44	1.62
3000	17.85	18.46	18.76	19.63	20.96	21.21	–	–	–	–	–	0.19	0.38	0.58	0.77	0.96	1.15	1.35	1.54	1.73
3200	18.26	18.86	19.16	19.99	–	–	–	–	–	–	–	0.21	0.41	0.62	0.82	1.03	1.23	1.44	1.64	1.85
3400	18.56	19.14	19.42	–	–	–	–	–	–	–	–	0.22	0.44	0.65	0.87	1.09	1.31	1.53	1.74	1.96
3600	18.73	–	–	–	–	–	–	–	–	–	–	0.23	0.46	0.69	0.92	1.15	1.38	1.61	1.85	2.08
3800	–	–	–	–	–	–	–	–	–	–	–	0.24	0.49	0.73	0.97	1.22	1.46	1.70	1.95	2.19
4000	–	–	–	–	–	–	–	–	–	–	–	0.26	0.51	0.77	1.03	1.28	1.54	1.79	2.05	2.31
4200	–	–	–	–	–	–	–	–	–	–	–	0.27	0.54	0.81	1.08	1.35	1.61	1.88	2.15	2.42
4400	–	–	–	–	–	–	–	–	–	–	–	0.28	0.56	0.85	1.13	1.41	1.69	1.97	2.26	2.54
4600	–	–	–	–	–	–	–	–	–	–	–	0.30	0.59	0.89	1.18	1.47	1.77	2.06	2.36	2.65
4800	–	–	–	–	–	–	–	–	–	–	–	0.31	0.62	0.92	1.23	1.54	1.85	2.15	2.46	2.77
5000	–	–	–	–	–	–	–	–	–	–	–	0.32	0.64	0.96	1.28	1.60	1.92	2.24	2.56	2.88
6000	–	–	–	–	–	–	–	–	–	–	–	0.39	0.77	1.15	1.54	1.92	2.31	2.69	3.08	3.46

** Belt speeds are very low. Other types of drives should be considered; consult Application Engineering.

C Gripbelt Horsepower Tables

"C" Super Gripbelt® Belts

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

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

"CX" Gripnotch® Belts

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

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

** Belt Speeds are very low, other types of drives should be considered; consult Application Engineering.

C Gripbelt Horsepower Tables

"C" Super Gripbelt® Belts

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

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

"CX" Gripnotch® Belts

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

rpm of Smaller Sheave	SHEAVE DATUM DIAMETERS											DRIVE RATIO CORRECTION								
	10.60	11.00	11.40	12.00	13.00	14.00	15.00	16.00	18.00	20.00	22.00	1.03-1.07	1.08-1.13	1.14-1.21	1.22-1.30	1.31-1.44	1.45-1.64	1.65-2.01	2.02-3.00	3.01-& UP
870	18.56	19.45	20.34	21.65	23.80	25.90	27.94	29.92	33.72	37.28	40.57	0.11	0.21	0.31	0.42	0.52	0.63	0.73	0.84	0.94
960	20.06	21.02	21.97	23.37	25.67	27.89	30.05	32.14	36.08	39.72	43.01	0.12	0.23	0.35	0.46	0.58	0.69	0.81	0.93	1.04
1160	23.14	24.23	25.30	26.88	29.43	31.87	34.20	36.41	40.47	44.01	–	0.14	0.28	0.42	0.56	0.70	0.84	0.98	1.12	1.26
1450	26.99	28.20	29.39	31.12	33.85	36.39	38.74	40.87	–	–	–	0.18	0.35	0.52	0.70	0.87	1.05	1.22	1.40	1.57
1750	30.10	31.37	32.58	34.32	36.98	39.31	–	–	–	–	–	0.21	0.42	0.63	0.84	1.06	1.27	1.48	1.69	1.90
300	**	**	**	8.80	9.70	10.58	11.46	12.34	14.06	15.76	17.43	0.04	0.07	0.11	0.14	0.18	0.22	0.25	0.29	0.33
400	9.68	10.15	10.62	11.31	12.46	13.60	14.73	15.85	18.05	20.21	22.33	0.05	0.10	0.14	0.19	0.24	0.29	0.34	0.39	0.43
500	11.72	12.29	12.86	13.70	15.10	16.48	17.84	19.18	21.82	24.39	26.90	0.06	0.12	0.18	0.24	0.30	0.36	0.42	0.48	0.54
600	13.68	14.35	15.01	15.99	17.61	19.21	20.78	22.33	25.36	28.29	31.11	0.07	0.14	0.22	0.29	0.36	0.43	0.51	0.58	0.65
700	15.56	16.31	17.06	18.17	20.01	21.81	23.57	25.31	28.67	31.89	34.96	0.08	0.17	0.25	0.34	0.42	0.51	0.59	0.68	0.76
800	17.35	18.19	19.02	20.26	22.28	24.26	26.20	28.09	31.73	35.18	38.41	0.10	0.19	0.29	0.39	0.48	0.58	0.68	0.77	0.87
900	19.07	19.98	20.89	22.24	24.43	26.58	28.66	30.68	34.54	38.12	41.43	0.11	0.22	0.33	0.43	0.54	0.65	0.76	0.87	0.98
1000	20.70	21.69	22.67	24.11	26.46	28.74	30.94	33.06	37.06	40.71	43.97	0.12	0.24	0.36	0.48	0.60	0.72	0.84	0.96	1.09
1100	22.25	23.30	24.34	25.87	28.36	30.74	33.03	35.23	39.29	42.90	46.02	0.13	0.27	0.40	0.53	0.66	0.80	0.93	1.06	1.19
1200	23.72	24.83	25.92	27.52	30.11	32.58	34.93	37.15	41.20	44.67	–	0.14	0.29	0.43	0.58	0.72	0.87	1.01	1.16	1.30
1300	25.09	26.25	27.39	29.06	31.72	34.25	36.62	38.84	42.77	–	–	0.16	0.31	0.47	0.63	0.78	0.94	1.10	1.25	1.41
1400	26.38	27.58	28.75	30.46	33.18	35.73	38.09	40.26	–	–	–	0.17	0.34	0.51	0.67	0.84	1.01	1.18	1.35	1.52
1500	27.57	28.80	30.00	31.74	34.48	37.01	39.32	41.40	–	–	–	0.18	0.36	0.54	0.72	0.90	1.08	1.27	1.45	1.63
1600	28.66	29.91	31.13	32.88	35.61	38.10	40.31	–	–	–	–	0.19	0.39	0.58	0.77	0.96	1.16	1.35	1.54	1.74
1700	29.65	30.91	32.13	33.88	36.57	38.96	–	–	–	–	–	0.21	0.41	0.62	0.82	1.03	1.23	1.43	1.64	1.85
1800	30.53	31.79	33.00	34.73	37.34	–	–	–	–	–	–	0.22	0.43	0.65	0.87	1.09	1.30	1.52	1.74	1.95
1900	31.30	32.55	33.74	35.43	37.92	–	–	–	–	–	–	0.23	0.46	0.69	0.92	1.15	1.37	1.60	1.83	2.06
2000	31.95	33.18	34.34	35.96	–	–	–	–	–	–	–	0.24	0.48	0.72	0.96	1.21	1.45	1.69	1.93	2.17
2200	32.89	34.03	–	–	–	–	–	–	–	–	–	0.27	0.53	0.80	1.06	1.33	1.59	1.86	2.12	2.39
2400	–	–	–	–	–	–	–	–	–	–	–	0.29	0.58	0.87	1.16	1.45	1.74	2.03	2.32	2.60
2600	–	–	–	–	–	–	–	–	–	–	–	0.31	0.63	0.94	1.25	1.57	1.88	2.19	2.51	2.82
3000	–	–	–	–	–	–	–	–	–	–	–	0.36	0.72	1.09	1.45	1.81	2.17	2.53	2.89	3.26
3400	–	–	–	–	–	–	–	–	–	–	–	0.41	0.82	1.23	1.64	2.05	2.46	2.87	3.28	3.69
3800	–	–	–	–	–	–	–	–	–	–	–	0.46	0.92	1.38	1.83	2.29	2.75	3.21	3.67	4.12
4100	–	–	–	–	–	–	–	–	–	–	–	0.50	0.99	1.48	1.98	2.47	2.97	3.46	3.95	4.45

** Belt speeds are very low. Other types of drives should be considered; consult Application Engineering.

D Gripbelt Horsepower Tables

"D" Super Gripbelt® Belts and Gripnotch® Belts

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

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

** Belt Speeds are very low, other types of drives should be considered; consult Application Engineering.

"D" Super Gripbelt Belts® and Gripnotch® Belts

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

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

3V Gripbelt® Horsepower Tables

"3VX" Gripnotch® Belts

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

rpm of Smaller Sheaves	SHEAVE PITCH DIAMETERS														
	2.15	2.30	2.45	2.60	2.75	2.95	3.10	3.30	3.60	4.07	4.45	4.7	`4.95	5.25	5.55
1160	**	**	**	**	**	**	2.10	2.34	2.68	3.22	3.65	3.93	4.21	4.55	4.88
1450	**	**	1.62	1.83	2.05	2.34	2.55	2.84	3.26	3.92	4.45	4.79	5.14	5.54	5.95
1750	1.37	1.63	1.89	2.15	2.41	2.75	3.01	3.34	3.85	4.63	5.25	5.65	6.05	6.53	7.01
2900	2.03	2.44	2.85	3.26	3.66	4.20	4.59	5.12	5.90	7.09	8.04	8.64	9.24	9.95	10.64
3500	2.33	2.81	3.30	3.78	4.25	4.88	5.34	5.96	6.86	8.24	9.31	10.01	10.68	11.47	12.24
600	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**
800	**	**	**	**	**	**	**	**	**	**	2.62	2.82	3.02	3.26	3.49
1000	**	**	**	**	**	**	**	**	2.35	2.82	3.20	3.44	3.69	3.98	4.27
1200	**	**	**	**	**	1.99	2.17	2.41	2.76	3.32	3.76	4.05	4.34	4.69	5.03
1400	**	**	**	1.78	1.99	2.27	2.48	2.75	3.17	3.80	4.31	4.65	4.98	5.37	5.77
1600	1.27	1.51	1.75	1.99	2.23	2.55	2.78	3.09	3.56	4.28	4.85	5.23	5.60	6.04	6.48
1800	1.40	1.67	1.94	2.20	2.47	2.82	3.08	3.43	3.94	4.74	5.38	5.79	6.20	6.69	7.18
2000	1.52	1.82	2.11	2.40	2.70	3.08	3.37	3.75	4.32	5.19	5.89	6.34	6.79	7.33	7.86
2200	1.64	1.96	2.28	2.60	2.92	3.34	3.65	4.07	4.68	5.63	6.39	6.88	7.37	7.94	8.51
2400	1.75	2.10	2.45	2.79	3.14	3.59	3.93	4.38	5.04	6.06	6.88	7.40	7.92	8.54	9.15
2600	1.86	2.24	2.61	2.98	3.35	3.84	4.20	4.68	5.39	6.48	7.35	7.91	8.46	9.12	9.76
2800	1.97	2.37	2.77	3.17	3.56	4.08	4.46	4.97	5.73	6.89	7.81	8.40	8.99	9.68	10.36
3000	2.08	2.50	2.93	3.35	3.76	4.31	4.72	5.26	6.06	7.29	8.26	8.88	9.50	10.22	10.93
3200	2.18	2.63	3.08	3.52	3.96	4.54	4.98	5.55	6.39	7.68	8.69	9.34	9.98	10.74	11.47
3400	2.28	2.75	3.23	3.69	4.16	4.77	5.22	5.82	6.70	8.05	9.11	9.79	10.45	11.23	11.99
3600	2.37	2.87	3.37	3.86	4.35	4.99	5.46	6.09	7.01	8.42	9.51	10.22	10.91	11.71	12.49
3800	2.47	2.99	3.51	4.02	4.53	5.20	5.70	6.35	7.31	8.77	9.90	10.63	11.34	12.16	12.96
4000	2.56	3.10	3.64	4.18	4.71	5.41	5.92	6.60	7.60	9.11	10.28	11.02	11.75	12.59	13.40
4400	2.73	3.32	3.90	4.48	5.05	5.80	6.36	7.09	8.15	9.75	10.98	11.76	12.51	13.37	14.19
4800	2.89	3.52	4.15	4.77	5.38	6.18	6.77	7.54	8.66	10.34	11.61	12.41	13.17	–	–
5200	3.03	3.71	4.38	5.03	5.68	6.53	7.15	7.96	9.13	10.87	12.17	12.98	–	–	–
5600	3.17	3.88	4.59	5.28	5.96	6.85	7.50	8.34	9.56	11.34	–	–	–	–	–
6000	3.29	4.04	4.78	5.51	6.22	7.14	7.82	8.69	9.94	11.74	–	–	–	–	–
7000	3.54	4.38	5.20	5.99	6.76	7.76	8.48	9.39	–	–	–	–	–	–	–
7500	3.63	4.51	5.36	6.18	6.98	7.99	8.72	9.65	–	–	–	–	–	–	–
8000	3.70	4.61	5.49	6.33	7.15	8.18	8.91	–	–	–	–	–	–	–	–

"3VX" Gripnotch Belts

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

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

** Belt Speeds are very low, other types of drives should be considered; consult Application Engineering.

5V Gripbelt Horsepower Tables

"5V" Super Gripbelt® Belts

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

rpm of Smaller Sheave	SHEAVE PITCH DIAMETERS																			
	7.00	7.10	7.40	7.50	7.90	8.10	8.40	8.70	8.90	9.10	9.15	9.50	9.65	10.20	10.80	11.10	11.20	11.70	12.40	12.50
1160	11.42	11.71	12.60	12.90	14.07	14.65	15.52	16.38	16.95	17.52	17.66	18.65	19.07	20.59	22.22	23.03	23.29	24.61	26.43	26.68
1450	13.59	13.95	15.01	15.36	16.76	17.45	18.47	19.49	20.16	20.82	20.99	22.14	22.62	24.38	26.26	27.17	27.48	28.97	31.00	31.28
1750	15.60	16.01	17.22	17.62	19.21	19.99	21.15	22.29	23.04	23.78	23.96	25.24	25.77	27.70	29.73	30.71	31.03	32.60	34.70	34.99
2900	20.65	21.16	22.66	23.14	25.00	25.89	27.16	–	–	–	–	–	–	–	–	–	–	–	–	–
3500	21.29	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
300	* *	* *	* *	* *	* *	* *	* *	* *	* *	7.68	8.27	8.36	8.86	9.37	9.54	10.37	10.87	11.20	11.37	13.33
400	* *	* *	* *	* *	* *	* *	* *	6.58	6.81	7.04	7.09	7.49	7.66	8.27	8.94	9.28	9.39	9.94	10.71	10.82
500	5.63	5.77	6.19	6.33	6.90	7.18	7.60	8.01	8.29	8.57	8.64	9.12	9.33	10.08	10.90	11.31	11.44	12.12	13.06	13.19
600	6.58	6.75	7.25	7.42	8.08	8.41	8.91	9.40	9.73	10.05	10.13	10.70	10.95	11.83	12.79	13.27	13.43	14.22	15.32	15.48
700	7.51	7.70	8.28	8.47	9.23	9.61	10.18	10.74	11.12	11.49	11.58	12.23	12.51	13.53	14.62	15.17	15.35	16.25	17.50	17.68
800	8.41	8.62	9.27	9.49	10.34	10.77	11.41	12.04	12.46	12.88	12.99	13.72	14.03	15.16	16.39	17.00	17.20	18.21	19.60	19.80
900	9.28	9.52	10.24	10.47	11.42	11.89	12.60	13.30	13.76	14.23	14.34	15.15	15.49	16.74	18.10	18.76	18.99	20.09	21.62	21.83
1000	10.12	10.38	11.17	11.43	12.47	12.98	13.75	14.52	15.03	15.53	15.66	16.53	16.91	18.27	19.74	20.46	20.70	21.89	23.54	23.77
1100	10.94	11.22	12.07	12.36	13.48	14.04	14.87	15.70	16.24	16.79	16.92	17.87	18.27	19.74	21.31	22.09	22.34	23.62	25.37	25.62
1200	11.73	12.04	12.95	13.25	14.46	15.06	15.95	16.83	17.42	18.00	18.15	19.16	19.59	21.14	22.81	23.64	23.91	25.26	27.11	27.37
1300	12.49	12.82	13.80	14.12	15.40	16.04	16.99	17.93	18.55	19.17	19.32	20.39	20.84	22.49	24.25	25.11	25.40	26.81	28.75	29.02
1400	3.23	13.58	14.61	14.96	16.31	16.99	17.99	18.98	19.63	20.28	20.44	21.57	22.04	23.77	25.61	26.51	26.81	28.27	30.27	30.55
1500	13.94	14.31	15.40	15.76	17.19	17.90	18.95	19.98	20.67	21.35	21.52	22.69	23.19	24.98	26.89	27.82	28.13	29.64	31.69	31.97
1600	14.63	15.01	16.15	16.53	18.03	18.76	19.86	20.94	21.66	22.36	22.54	23.75	24.27	26.13	28.09	29.04	29.36	30.91	32.99	33.28
1700	15.28	15.68	16.87	17.27	18.83	19.59	20.73	21.85	22.59	23.32	23.50	24.76	25.29	27.20	29.20	30.18	30.50	32.07	34.16	34.45
1800	15.91	16.33	17.56	17.97	19.59	20.38	21.56	22.71	23.47	24.23	24.41	25.70	26.24	28.19	30.23	31.22	31.54	33.12	35.21	35.50
1900	16.51	16.94	18.22	18.64	20.31	21.13	22.34	23.52	24.30	25.07	25.26	26.58	27.13	29.11	31.16	32.15	32.48	34.05	36.12	36.40
2000	17.07	17.52	18.84	19.27	20.99	21.83	23.07	24.28	25.07	25.86	26.05	27.39	27.95	29.94	32.00	32.99	33.31	34.87	36.89	–
2200	18.11	18.58	19.97	20.42	22.21	23.09	24.37	25.62	26.44	27.24	27.44	28.79	29.36	31.35	33.38	34.33	34.64	–	–	–
2400	19.02	19.50	20.95	21.42	23.26	24.16	25.46	26.73	27.55	28.35	28.55	29.89	30.45	32.39	–	–	–	–	–	–
2600	19.78	20.28	21.76	22.24	24.11	25.02	26.33	27.59	28.40	29.18	29.37	30.68	–	–	–	–	–	–	–	–
2800	20.40	20.91	22.40	22.89	24.76	25.66	26.95	28.17	–	–	–	–	–	–	–	–	–	–	–	–
3000	20.86	21.38	22.87	23.35	25.19	26.06	–	–	–	–	–	–	–	–	–	–	–	–	–	–
3200	21.16	21.67	23.14	23.61	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

"5VX" Gripnotch® Belts

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

rpm of Smaller Sheave	SHEAVE PITCH DIAMETERS																			
	4.30	4.50	4.55	4.70	4.80	4.90	5.10	5.30	5.40	5.50	5.70	5.80	5.90	6.10	6.20	6.30	6.50	6.60	6.70	6.90
1160	5.90	6.54	6.71	7.19	7.51	7.83	8.46	9.10	9.42	9.73	10.36	10.68	10.99	11.62	11.93	12.24	12.86	13.17	13.48	14.10
1450	7.08	7.87	8.07	8.66	9.05	9.44	10.22	10.99	11.38	11.76	12.53	12.91	13.30	14.06	14.44	14.82	15.57	15.95	16.32	17.07
1750	8.23	9.16	9.40	10.09	10.55	11.02	11.93	12.85	13.30	13.75	14.66	15.11	15.56	16.45	16.89	17.34	18.22	18.66	19.10	19.97
2900	12.00	13.43	13.78	14.84	15.54	16.24	17.62	18.99	19.66	20.34	21.67	22.33	22.99	24.30	24.94	25.58	26.85	27.48	28.10	29.34
3500	13.57	15.20	15.61	16.82	17.62	18.41	19.98	21.53	22.29	23.05	24.54	25.28	26.01	27.46	28.17	28.87	30.26	30.94	31.62	32.95
300	* *	* *	* *	* *	* *	* *	* *	* *	* *	* *	* *	* *	* *	* *	* *	* *	* *	* *	* *	* *
400	* *	* *	* *	* *	* *	* *	* *	* *	* *	* *	* *	* *	* *	* *	* *	* *	* *	* *	* *	* *
500	* *	* *	* *	* *	* *	* *	* *	* *	* *	* *	* *	* *	* *	* *	* *	* *	* *	* *	* *	6.69
600	* *	* *	* *	* *	* *	* *	* *	* *	* *	* *	* *	6.00	6.17	6.51	6.68	6.85	7.20	7.37	7.54	7.88
700	* *	* *	* *	* *	* *	* *	5.48	5.88	6.08	6.28	6.67	6.87	7.07	7.47	7.66	7.86	8.25	8.45	8.65	9.04
800	4.33	4.78	4.90	5.24	5.47	5.70	6.15	6.60	6.83	7.05	7.50	7.73	7.95	8.40	8.62	8.85	9.29	9.51	9.73	10.18
900	4.78	5.29	5.41	5.80	6.05	6.30	6.81	7.31	7.57	7.82	8.32	8.57	8.82	9.31	9.56	9.81	10.31	10.55	10.80	11.29
1000	5.22	5.78	5.92	6.34	6.62	6.90	7.46	8.01	8.29	8.56	9.12	9.39	9.67	10.21	10.49	10.76	11.30	11.57	11.85	12.39
1100	5.65	6.26	6.41	6.87	7.18	7.48	8.09	8.70	9.00	9.30	9.90	10.20	10.50	11.09	11.39	11.69	12.28	12.58	12.87	13.46
1200	6.07	6.73	6.90	7.39	7.72	8.05	8.71	9.37	9.69	10.02	10.67	10.99	11.32	11.96	12.28	12.60	13.24	13.56	13.88	14.52
1300	6.48	7.19	7.37	7.91	8.26	.62	9.32	10.03	10.38	10.73	11.42	11.77	12.12	12.81	13.16	13.50	14.19	14.53	14.87	15.55
1400	6.88	7.65	7.84	8.41	8.79	9.17	9.92	10.67	11.05	11.42	12.17	12.54	12.91	13.65	14.01	14.38	15.11	15.48	15.84	16.57
1500	7.28	8.09	8.29	8.90	9.30	9.71	10.51	11.31	11.71	12.10	12.89	13.29	13.68	14.47	14.86	15.25	16.02	16.41	16.80	17.57
1600	7.66	8.53	8.74	9.38	9.81	10.24	11.09	11.93	12.35	12.77	13.61	14.03	14.44	15.27	15.68	16.10	16.92	17.32	17.73	18.54
1800	8.42	9.37	9.61	10.32	10.80	11.27	12.21	13.15	13.61	14.08	15.00	15.46	15.92	16.84	17.29	17.74	18.65	19.10	19.55	20.44
2000	9.14	10.18	10.45	11.23	11.74	12.26	13.29	14.31	14.82	15.33	16.34	16.84	17.34	18.34	18.83	19.33	20.31	20.80	21.29	22.25
2200	9.83	10.96	11.25	12.09	12.66	13.22	14.33	15.44	15.99	16.53	17.62	18.17	18.71	19.78	20.31	20.84	21.90	22.42	22.95	23.99
2400	10.49	11.71	12.01	12.92	13.53	14.13	15.33	16.51	17.10	17.69	18.85	19.43	20.01	21.15	21.72	22.29	23.41	23.97	24.53	25.63
2600	11.12	12.42	12.75	13.72	14.36	15.00	16.28	17.54	18.16	18.79	20.03	20.64	21.25	22.46	23.06	23.66	24.85	25.44	26.03	27.19
2800	11.72	13.10	13.45	14.48	15.16	15.84	17.18	18.52	19.18	19.83	21.14	21.79	22.43	23.70	24.33	24.96	26.21	26.82	27.43	28.65
3000	12.28	13.75	14.11	15.20	15.91	16.63	18.04	19.44	20.14	20.83	22.19	22.87	23.54	24.87	25.53	26.18	27.48	28.12	28.75	30.01
3200	12.82	14.36	14.74	15.88	16.63	17.38	18.86	20.32	21.04	21.76	23.18	23.89	24.58	25.96	26.65	27.32	28.66	29.32	29.97	31.26
3400	13.33	14.93	15.33	16.52	17.30	18.08	19.62	21.14	21.89	22.63	24.11	24.83	25.55	26.98	27.68	28.38	29.75	30.42	31.09	32.41
3600	13.80	15.47	15.88	17.12	17.93	18.74	20.33	21.90	22.68	23.45	24.96	25.71	26.45	27.91	28.63	29.34	30.74	31.43	32.11	–
3800	14.23	15.97	16.40	17.67	18.51	19.35	20.99	22.61	23.41	24.20	25.75	26.52	27.27	28.76	29.49	30.22	31.64	–	–	–
4000	14.64	16.43	16.87	18.18	19.05	19.91	21.60	23.26	24.07	24.88	26.47	27.24	28.01	29.52	30.26	–	–	–	–	–
4200	15.00	16.85	17.30	18.65	19.54	20.42	22.15	23.84	24.67	25.49	27.10	27.89	28.67	–	–	–	–	–	–	–
4400	15.33	17.22	17.69	19.07	19.98	20.88	22.64	24.36	25.21	26.04	–	–	–	–	–	–	–	–	–	–
4600	15.62	17.56	18.03	19.45	20.37	21.29	23.08	24.82	–	–	–	–	–	–	–	–	–	–	–	–
4800	15.88	17.85	18.33	19.77	20.71	21.64	23.45	–	–	–	–	–	–	–	–	–	–	–	–	–
5000	16.09	18.09	18.59	20.04	20.99	21.93	–	–	–	–	–	–	–	–	–	–	–	–	–	–

* Belt speeds are very low. Other types of drives should be considered; consult Application Engineering.

5V Gripbelt Horsepower Tables

"5V" Super Gripbelt® Belts

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

rpm of Smaller Sheave	SHEAVE PITCH DIAMETERS											DRIVE RATIO CORRECTION								
	13.10	13.70	13.90	14.90	15.50	15.90	16.10	18.50	18.60	20.10	21.10	1.02-1.05	1.06-1.11	1.12-1.18	1.19-1.26	1.27-1.38	1.39-1.57	1.58-1.94	1.95-3.38	3.39-& UP
1160	28.20	29.68	30.17	32.55	33.93	34.83	35.28	40.27	40.47	43.24	44.94	0.11	0.30	0.53	0.72	0.87	1.02	1.15	1.26	1.33
1450	32.94	34.55	35.07	37.88	39.00	39.91	40.35	–	–	–	–	0.14	0.38	0.66	0.90	1.09	1.28	1.44	1.57	1.66
1750	36.67	38.25	38.75	–	–	–	–	–	–	–	–	0.17	0.46	0.80	1.09	1.32	1.55	1.74	1.90	2.01
2900	–	–	–	–	–	–	–	–	–	–	–	0.28	0.76	1.33	1.80	2.19	2.56	2.88	3.14	3.33
3500	–	–	–	–	–	–	–	–	–	–	–	0.34	0.92	1.60	2.18	2.64	3.09	3.48	3.79	4.01
300	13.41	14.63	15.43	–	–	–	–	–	–	–	–	0.03	0.08	0.14	0.19	0.23	0.26	0.30	0.32	0.34
400	11.48	12.13	12.35	13.43	14.07	14.50	14.71	17.24	17.35	18.90	19.93	0.04	0.10	0.18	0.25	0.30	0.35	0.40	0.43	0.46
500	13.99	14.79	15.05	16.36	17.14	17.66	17.92	20.97	21.10	22.96	24.19	0.05	0.13	0.23	0.31	0.38	0.44	0.50	0.54	0.57
600	16.41	17.34	17.65	19.18	20.08	20.68	20.98	24.51	24.65	26.79	28.20	0.06	0.16	0.27	0.37	0.45	0.53	0.60	0.65	0.69
700	18.74	19.80	20.14	21.87	22.89	23.57	23.91	27.85	28.01	30.39	31.93	0.07	0.18	0.32	0.44	0.53	0.62	0.70	0.76	0.80
800	20.98	22.15	22.53	24.44	25.57	26.31	26.68	30.99	31.16	33.72	35.38	0.08	0.21	0.37	0.50	0.60	0.71	0.80	0.87	0.92
900	23.12	24.39	24.81	26.88	28.10	28.90	29.29	33.89	34.08	36.78	38.50	0.09	0.24	0.41	0.56	0.68	0.79	0.89	0.97	1.03
1000	25.16	26.52	26.97	29.18	30.47	31.32	31.74	36.56	36.75	39.53	41.28	0.10	0.26	0.46	0.62	0.75	0.88	0.99	1.08	1.15
1100	27.09	28.54	29.01	31.33	32.68	33.57	34.01	38.96	39.16	41.95	43.69	0.11	0.29	0.50	0.68	0.83	0.97	1.09	1.19	1.26
1200	28.92	30.42	30.92	33.33	34.73	35.63	36.08	41.09	41.28	44.03	–	0.12	0.31	0.55	0.75	0.91	1.06	1.09	1.30	1.38
1300	30.62	32.18	32.69	35.16	36.58	37.50	37.95	42.91	43.10	–	–	0.13	0.34	0.59	0.81	0.98	1.15	1.29	1.41	1.49
1400	32.20	33.80	34.32	36.82	38.24	39.16	39.61	–	–	–	–	0.14	0.37	0.64	0.87	1.06	1.24	1.39	1.52	1.61
1500	33.65	35.27	35.79	38.29	39.70	40.60	41.03	–	–	–	–	0.15	0.39	0.69	0.93	1.13	1.32	1.49	1.62	1.72
1600	34.97	36.58	37.10	39.57	40.94	–	–	–	–	–	–	0.16	0.42	0.73	1.00	1.21	1.41	1.59	1.73	1.84
1700	36.14	37.74	38.25	–	–	–	–	–	–	–	–	0.17	0.45	0.78	1.06	1.28	1.50	1.69	1.84	1.95
1800	37.16	38.72	–	–	–	–	–	–	–	–	–	0.18	0.47	0.82	1.12	1.36	1.59	1.79	1.95	2.06
1900	–	–	–	–	–	–	–	–	–	–	–	0.19	0.50	0.87	1.18	1.43	1.68	1.89	2.06	2.18
2000	–	–	–	–	–	–	–	–	–	–	–	0.19	0.52	0.91	1.24	1.51	1.77	1.99	2.17	2.29
2200	–	–	–	–	–	–	–	–	–	–	–	0.21	0.58	1.10	1.37	1.66	1.94	2.19	2.38	2.52
2400	–	–	–	–	–	–	–	–	–	–	–	0.23	0.63	1.10	1.49	1.81	2.12	2.39	2.60	2.75
2600	–	–	–	–	–	–	–	–	–	–	–	0.25	0.68	1.19	1.62	1.96	2.30	2.58	2.82	2.98
2800	–	–	–	–	–	–	–	–	–	–	–	0.27	0.73	1.28	1.74	2.11	2.47	2.78	3.03	3.21
3000	–	–	–	–	–	–	–	–	–	–	–	0.29	0.79	1.37	1.87	2.26	2.65	2.98	3.25	3.44
3200	–	–	–	–	–	–	–	–	–	–	–	0.31	0.84	1.46	1.99	2.41	2.83	3.18	3.47	3.67

"5VX" Super Gripbelt Belts

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

rpm of Smaller Sheave	SHEAVE PITCH DIAMETERS											DRIVE RATIO CORRECTION								
	7.00	7.10	7.40	7.50	7.90	8.10	8.40	8.70	9.10	9.15	9.50	1.02-1.03	1.04-1.06	1.07-1.09	1.10-1.13	1.14-1.18	1.19-1.25	1.26-1.35	1.36-1.57	1.58-& UP
1160	14.40	14.71	15.63	15.93	17.15	17.75	18.65	19.55	20.74	20.89	21.92	0.09	0.19	0.28	0.37	0.46	0.56	0.65	0.74	0.84
1450	17.44	17.81	18.92	19.29	20.76	21.48	22.57	23.64	25.07	25.24	26.47	0.12	0.23	0.35	0.46	0.58	0.70	0.81	0.93	1.04
1750	20.41	20.84	22.13	22.56	24.26	25.10	26.35	27.59	29.23	29.43	30.84	0.14	0.28	0.42	0.56	0.70	0.84	0.98	1.12	1.26
2900	29.95	30.56	32.35	32.94	35.24	36.36	38.01	-	-	-	-	0.23	0.46	0.70	0.93	1.16	1.39	1.62	1.86	2.09
3500	33.60	-	-	-	-	-	-	-	-	-	-	0.28	0.56	0.84	1.12	1.40	1.68	1.96	2.24	2.52
300	* *	* *	* *	* *	* *	* *	* *	* *	* *	* *	* *	0.02	0.05	0.07	0.10	0.12	0.14	0.17	0.19	0.22
400	* *	* *	* *	* *	* *	* *	* *	7.55	8.01	8.07	8.47	0.03	0.06	0.10	0.13	0.16	0.19	0.22	0.26	0.29
500	6.83	6.98	7.40	7.55	8.12	8.40	8.82	9.25	9.81	9.88	10.37	0.04	0.08	0.12	0.16	0.20	0.24	0.28	0.32	0.36
600	8.05	8.22	8.72	8.89	9.56	9.90	10.40	10.90	11.57	11.65	12.23	0.05	0.10	0.14	0.19	0.24	0.29	0.34	0.38	0.43
700	9.23	9.43	10.01	10.21	10.98	11.37	11.94	12.52	13.28	13.38	14.04	0.06	0.11	0.17	0.22	0.28	0.34	0.39	0.45	0.50
800	10.40	10.62	11.28	11.50	12.37	12.81	13.46	14.10	14.97	15.07	15.82	0.06	0.13	0.19	0.26	0.32	0.38	0.45	0.51	0.58
900	11.54	11.78	12.52	12.76	13.73	14.21	14.94	15.66	16.61	16.73	17.56	0.07	0.14	0.22	0.29	0.36	0.43	0.50	0.58	0.65
1000	12.66	12.93	13.73	14.00	15.07	15.60	16.39	17.18	18.23	18.36	19.27	0.08	0.16	0.24	0.32	0.40	0.48	0.56	0.64	0.72
1100	13.76	14.05	14.92	15.22	16.38	16.95	17.81	18.67	19.61	19.95	20.93	0.09	0.18	0.26	0.35	0.44	0.53	0.62	0.70	0.79
1200	14.83	15.15	16.10	16.41	17.66	18.28	19.21	20.13	21.35	21.50	22.56	0.10	0.19	0.29	0.38	0.48	0.58	0.67	0.77	0.86
1300	15.89	16.23	17.24	17.58	18.92	19.58	20.57	21.56	22.86	23.03	24.16	0.10	0.21	0.31	0.42	0.52	0.62	0.73	0.83	0.94
1400	16.93	17.29	18.37	18.73	20.15	20.86	21.91	22.96	24.34	24.51	25.71	0.11	0.22	0.34	0.45	0.56	0.67	0.78	0.90	1.01
1500	17.95	18.33	19.47	19.85	21.36	22.10	23.22	24.32	25.78	25.96	27.23	0.12	0.24	0.36	0.48	0.60	0.72	0.84	0.96	1.08
1600	18.95	19.35	20.55	20.95	22.54	23.32	24.50	25.66	27.19	27.38	28.70	0.13	0.26	0.38	0.51	0.64	0.77	0.90	1.02	1.15
1800	20.88	21.33	22.65	23.09	24.82	25.68	26.96	28.22	29.89	30.09	31.53	0.14	0.29	0.43	0.58	0.72	0.86	1.01	1.15	1.30
2000	22.74	23.22	24.65	25.12	26.99	27.92	29.29	30.65	32.43	32.65	34.18	0.16	0.32	0.48	0.64	0.80	0.96	1.12	1.28	1.44
2200	24.50	25.02	26.55	27.05	29.05	30.03	31.49	32.93	34.81	35.04	36.65	0.18	0.35	0.53	0.70	0.88	1.06	1.23	1.41	1.58
2400	26.18	26.72	28.34	28.88	30.98	32.02	33.55	35.05	37.01	37.25	38.91	0.19	0.38	0.58	0.77	0.96	1.15	1.34	1.54	1.73
2600	27.76	28.33	30.03	30.59	32.79	33.86	35.45	37.01	39.02	39.27	40.97	0.21	0.42	0.62	0.83	1.04	1.25	1.46	1.67	1.87
2800	29.25	29.84	31.61	32.18	34.46	35.57	37.20	38.79	-	-	-	0.22	0.45	0.67	0.90	1.12	1.35	1.57	1.79	2.02
3000	30.63	31.24	33.06	33.66	35.99	37.12	-	-	-	-	-	0.24	0.48	0.72	0.96	1.20	1.44	1.68	1.92	2.16
3200	31.90	32.53	34.39	35.00	-	-	-	-	-	-	-	0.26	0.51	0.77	1.02	1.28	1.54	1.79	2.05	2.30
3400	33.06	33.71	-	-	-	-	-	-	-	-	-	0.27	0.54	0.82	1.09	1.36	1.63	1.91	2.18	2.45
3600	-	-	-	-	-	-	-	-	-	-	-	0.29	0.58	0.86	1.15	1.44	1.73	2.02	2.31	2.59
3800	-	-	-	-	-	-	-	-	-	-	-	0.30	0.61	0.91	1.22	1.52	1.83	2.13	2.43	2.74
4000	-	-	-	-	-	-	-	-	-	-	-	0.32	0.64	0.96	1.28	1.60	1.92	2.24	2.56	2.88
4200	-	-	-	-	-	-	-	-	-	-	-	0.34	0.67	1.01	1.34	1.68	2.02	2.35	2.69	3.02
4400	-	-	-	-	-	-	-	-	-	-	-	0.35	0.70	1.06	1.41	1.76	2.11	2.47	2.82	3.17
4600	-	-	-	-	-	-	-	-	-	-	-	0.37	0.74	1.10	1.47	1.84	2.21	2.58	2.95	3.31
4800	-	-	-	-	-	-	-	-	-	-	-	0.38	0.77	1.15	1.54	1.92	2.31	2.69	3.07	3.46
5000	-	-	-	-	-	-	-	-	-	-	-	0.40	0.80	1.20	1.60	2.00	2.40	2.80	3.20	3.60

* * Belt speeds are ver low. Other types of drives should be considered; consult Application Engineering.

Browning®

8V Gripbelt® Horsepower Tables

"8V" Super Gripbelt® Belts

Table No. 1 ("Drive Ratio Correction" Must be Added to Ratings Listed Below)

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

**Belt Speeds are very low other typers of drives should he considered; consult Application Engineering.

"8V" Super Gripbelt Belts

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

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

FHP Gripbelt Horsepower Tables

Table No.1 "3L" and "4L" FHP Belts

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

Table No. 2 "5L" FHP Belts

rpm Smaller Sheave	Sheave Pitch Diameters											
	2.2	2.5	3.0	3.4	3.9	4.4	4.9	5.4	5.9	6.4	6.9	7.4
860	2.4	.31	.44	.68	.91	1.19	1.38	1.50	1.61	1.71	1.80	1.89
1140	.30	.37	.56	.84	1.14	1.48	1.72	1.85	1.96	2.07	2.17	2.27
1720	.36	.45	.71	1.07	1.52	1.95	2.26	2.39	2.50	2.59	2.68	2.71
3450	.28	.35	.67	1.21	1.84	2.36	2.56	2.30	-	-	-	-
200	-	-	-	-	-	-	-	-	.44	.51	.56	.60
400	.13	.16	.26	.43	.48	.59	.73	.80	.85	.91	.98	1.04
600	.19	.23	.34	.51	.68	.87	1.03	1.12	1.21	1.28	1.36	1.44
800	.23	.29	.42	.64	.86	1.12	1.31	1.41	1.52	1.62	1.72	1.80
1000	.27	.34	.50	.92	1.04	1.34	1.56	1.69	1.80	1.90	2.00	2.09
1200	.31	.38	.58	.92	1.19	1.53	1.79	1.91	2.03	2.14	2.24	2.33
1400	.33	.41	.64	.96	1.33	1.71	1.99	2.12	2.23	2.34	2.44	2.53
1600	.35	.42	.69	1.03	1.45	1.86	2.17	2.29	2.41	2.51	2.60	2.66
1800	.36	.46	.72	1.10	1.56	2.01	2.32	2.44	2.55	2.64	2.69	2.73
2000	.38	.47	.76	1.15	1.65	2.12	2.45	2.57	2.66	2.71	2.73	2.71
2200	.38	.47	.77	1.19	1.72	2.23	2.57	2.66	2.72	2.73	2.69	2.65
2400	.37	.47	.78	1.22	1.78	2.31	2.65	2.72	2.73	2.69	2.55	2.45
2600	.37	.46	.78	1.25	1.83	2.37	2.71	2.73	2.69	2.55	2.42	2.22
2800	.36	.44	.77	1.26	1.86	2.41	2.73	2.70	2.60	2.42	2.22	
3000	.38	.42	.75	1.25	1.88	2.42	2.71	2.63	2.46	2.22		
3500	.27	.34	.66	1.21	1.82	2.34	2.53	2.26	-	-	-	-
4000	.18	.22	.52	1.08	1.64	2.08	2.22	-	-	-	-	-
4500	.04	.07	.32	.84	1.32	-	-	-	-	-	-	-
5000			.07	.48	.96	-	-	-	-	-	-	-

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

How to Use These Tables

The basic horsepower rating for a "4L" belt on a drive in which the small sheave is 5.0 P.D. at 1720 rpm is 1.61 Horsepower. This value must be corrected by the correction Factor for Loss in Arc of Contact from Table No. 1, page 108. For instance, if the other sheave in the drive is 11.0 P.D. and the center distance is 15.0", the loss in Arc of Contact is $\frac{(11.0 - 5.0)\ 57}{15.0}$ or 22.8°.

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

Variable Speed Drives

For Changing Speeds Frequently, Rapidly and Efficiently

Browning offers one of the world's most complete selections of in-stock variable speed drives, including variable pitch sheaves through 750 hp.

Sheaves for Browning variable speed drives are available in finished bore or bushing types, for use with exclusive Browning Split Taper® design or Q-D® bushings. They're offered in Classical (A-B, C & D), "358" narrow groove, wide range and fractional horsepower types. MVP sheaves are dynamically-balanced to ensure smooth, vibration-free performance. Select from:

- **VL and VM single groove sheaves**, pitch diameter range 1.6-4.7", for light duty applications up to 5hp.
- **VP single and double groove sheaves**, pitch diameter range 3.4-7.0", designed for heavier duty service up to 25 hp.
- **Spring-loaded sheaves**, pitch diameter range1.4-5.8", for use with standard fixed pitch sheaves and adjustable motor base; or with *manually controlled* sheaves for a wider range of speeds.
- **MVP multiple groove sheaves** (up to 10 grooves available), pitch diameter range 3.4-17.2", for multiple belt drives up to 750 hp.

Choose also from a full range of fixed pitch and companion sheaves, V-belts, adjustable motor bases, motors and drivers, to perform almost any power transmission service.

VL, VM, VP variable speed sheaves

MVP variable speed sheave

MVP® companion sheave

Variable Speed Sheaves

Belt Size	Type		No. of Grooves	Pitch Dia. Range	Bore Range
A-B	MVP	Bushing Type	2-6	A-5.9-7.0 7.9-9.0 B-6.0-7.4 8.0-9.4	3/4-2 5/8
		Finished Bore	2-6	A-3.4-4.5 6.9-8.0 B3.5-4.9 7.0-8.4	7/8-2 1/8
C	MVP	Bushing Type	2-4	7.5-9.7 11.5-13.7	1-2 5/8
		Finished Bore	5-10	7.5-9.7 11.5-13.7	1 7/8-3 3/8
D	MVP	Finished Bore	3-10	12.0-15.0 14.0-17.0	up to 4 3/4
5v	MVP	Finished Bore Narrow Groove	3-10*	8.1-9.5 11.1-12.5	1 7/8-3 3/8
8v			3-10	13.2-15.2 15.2-17.2	up to 4 3/4

*3-Groove is Bushing Type, Bore Range 1 - 2 5/8"

Variable Pitch Sheaves

Type			3L	4L or A	5L or B
Single Groove Cast Iron	Finished Bore 1/2"-7/8"	VL	1.6"-2.4" 1.8-2.7	1.9-2.9 2.8-3.8	
		VM		1.9-2.9 3.4-4.4	2.4-3.2" 3.7-4.7
	Bushing Type 1/2-1 5/8 Bores	1VP		4.2-5.2 5.7-6.7	4.3-5.5 5.8-7.0
	Finished Bore 1/2-1 1/8	1VP	1.4-2.2 5.1-5.9	1.9-2.9 5.7-6.7	2.4-3.2 5.8-7.0
Two Groove Cast Iron	Bushing Type 3/4-1 5/8 Bores	2VP		4.2-5.2 5.7-6.7	4.3-5.5 5.8-7.0
	Finished Bore 1/2-1 1/8	2VP	1.9-2.7 5.1-5.9	2.0-3.0 5.7-6.7	2.5-3.3 5.8-7.0
Spring Loaded, Cast Iron 1/2-1 bores		SL	1.4-2.9 1.9-3.6	1.6-2.8 4.1-5.8	2.2-3.7 4.2-5.7
Manually Controlled Cast Iron 1/2-1 bores		MC	1.4-2.9 1.9-3.6	1.6-2.8 4.1-5.8	2.2-3.7 4.2-5.7

Extended hp and Bore Range

5v	2VP	Finished Bore	2	5.8-7.0 6.2-7.4	1 5/8"
	2LVP			5.8-7.4 6.2-7.4	
B-5V	2V	Finished Bore	2	5B-5.8-7.0 6.8-8.0	1 5/8
				5V-6.2-7.4 7.2-8.4	1 5/8

Companion Sheaves

A-B	MVP	Bushing Type	3-6	A-4.6-37.5 B-5.0-38.0	1/2-3 3/4"
C	MVP	Bushing Type	3-10	8.0-50.0	1-7 7/16
D	MVP	Bushing Type	3-10	13.0-48.0	1 3/8-5
5V	MVP	Narrow Groove Bushing Type	3-10	7.9-49.9	1 1/8-5
8V				13.0-52.8	1 11/16-7 7/16

For complete catalog dimensions see eCatalog at www.emerson-ept.com

Stock Sheave Listing

Table No. 2 1 and 2 Groove "A-B" Variable Pitch Sheaves

Datum Diameter		1 Groove		2 Grooves			
		Finished Bore	Finished Bore	Finished Bore	Bushed	Finished Bore	Bushed
"A" Belts	"B" Belts	Page 128	Page 126	Page 127	Page 129	Page 131	Page 132
1.9"-2.9"	2.4"-3.2"	1 VL34	1VP34	-	-	-	-
2.0-3.0	2.5-3.3	-	-	2VP36	-	-	-
2.4-3.4	2.7-3.7	1 VL40	1VP40	-	-	-	-
2.6-3.6	2.9-3.9	-	-	2VP42	-	-	-
2.8-3.8	3.1-4.1	1 VL44	1VP44	-	-	-	-
3.4-4.4	3.7-4.7	1VM50	1VP50	2VP50	-	-	-
3.4-4.5	3.5-4.9	-	-	-	-	2MVP35B49	-
3.9-5.0	4.0-5.4	-	-	-	-	2MVP40B54	-
4.0-5.0	4.3-5.3	-	1VP56	2VP56	-	-	-
4.2-5.2	4.3-5.5	-	1VP60	2VP60	-	-	-
4.4-5.5	4.5-5.9	-	-	-	-	2MVP45B59	-
4.6-5.6	4.9-5.9	-	1VP62	2VP62	-	-	-
4.7-5.7	4.8-6.0	-	1VP65	2VP65	-	-	-
4.9-6.0	5.0-6.4		-	-	-	2MVP50B64	-
5.2-6.2	5.5-6.5	-	1VP68	2VP68	-	-	-
5.3-6.3	5.4-6.6	-	1VP71	2VP71	-	-	-
5.4-6.5	5.5-6.9	-	-	-	-	2MVP55B69	-
5.7-6.7	5.8-7.0	-	1VP75	2VP75	2V58B70P	-	-
5.9-7.0	6.0-7.4	-	-	-	-	-	2MVP60B74P
6.7-7.7	6.8-8.0	-	-	-	2V68B80P	-	-
6.9-8.0	7.0-8.4	-	-	-	-	-	2MVP70B84P
7.9-9.0	8.0-9.4	-	-	-	-	-	2MVP80B94Q

Table No. 2 3 to 6 Groove "A-B" Variable Pitch Sheaves

Datum Diameter		3 Grooves		4 Grooves		5 Grooves		6 Grooves	
		Finished Bore	Finished Bore	Finished Bore	Bushed	Finished Bore	Bushed	Finished Bore	Bushed
"A" Belts	"B" Belts	Page 131	Page 132	Page 131	Page 132	Page 131	Page 132	Page 131	Page 132
3.4"-4.5	3.5"-4.9"	3MVP35B49	-	4MVP35B49	-	5MVP35B49	-	6MVP35B49	-
3.9-5.0	4.0-5.4	3MVP40B54	-	4MVP40B54	-	5MVP40B54	-	6MVP40B54	-
4.4-5.5	4.5-5.0	3MVP45B59	-	4MVP45B59	-	5MVP45B59	-	6MVP45B59	-
4.9-6.0	5.0-6.4	3MVP50B64	-	4MVP50B64	-	5MVP50B64	-	6MVP50B64	-
5.4-6.5	5.5-6.9	3MVP55B69	-	4MVP55B69	-	5MVP55B69	-	6MVP55B69	-
5.9-7.0	6.0-7.4	3MVP60B74	3MVP60B74P	4MVP60B74	4MVP60B74P	5MVP60B74	5MVP60B74P	6MVP60B74	6MVP60B74P
6.9-8.0	7.0-8.4	3MVP70B84	3MVP70B84P	4MVP70B84	4MVP70B84P	5MVP70B84	5MVP70B84P	6MVP70B84	6MVP70B84P
7.9-9.0	8.0-9.4	-	3MVP80B94Q	-	4MVP80B94Q	-	5MVP80B94Q	-	6MVP80B94Q

Table No. 3 2 to 10 Groove "C" Variable Pitch Sheaves

Datum Diameter "C" Belts	2 Grooves		3 Grooves	4 Grooves	5 Grooves	6 Grooves	7 Grooves	8 Grooves	10 Grooves
	Bushed	Bushed	Bushed	Bushed	Finished Bore	Finished Bore	Finished Bore	Finished Bore	Finished Bore
	Page 135	Page 135	Page 135	Page 135	Page 136	Page 136	Page 136	Page 136	Page 136
7.2"-9.0"	2V72C90Q	-	-	-	-	-	-	-	-
7.5-9.7	-	2MVP75C97Q	3MVP75C97Q	4MVP75C97Q	5MVP75C97Q	6MVP75C97Q	7MVP75C97Q	8MVP75C97Q	10MVP75C97Q
8.0-10.2	-	-	3MVP80C102Q	-	-	-	-	-	-
8.2-10.0	2V82C100Q			-	-	-	-	-	-
8.5-10.7	-	2MVP85C107Q	3MVP85C107Q	4MVP85C107Q	5MVP85C107Q	6MVP85C107Q	7MVP85C107Q	8MVP85C107Q	10MVP85C107Q
9.0-11.2	-	-	3MVP90C112Q	-	-	-	-	-	-
9.2-11.0	2V92C110Q	-	-	-	-	-	-	-	-
9.5-11.7	-	2MVP95C117Q	3MVP95C117Q	4MVP95C117Q	5MVP95C117Q	6MVP95C117Q	7MVP95C117Q	8MVP95C117Q	10MVP95C117Q
10.5-12.7	-	2MVP105C127	3MVP105C127	4MVP105C127	5MVP105C127	6MVP105C127	7MVP105C127	8MVP105C127	10MVP105C127
11.5-13.7	-	2MVP115C137Q	3MVP115C137Q	4MVP115C137Q	5MVP115C137Q	6MVP115C137Q	7MVP115C137Q	8MVP115C137Q	10MVP115C137Q

Table No. 4 1 to 10 Groove "5V" Variable Pitch Sheaves

Pitch Diameter	1 Groove	2 Grooves	3 Grooves	4 Grooves	5 Grooves	6 Grooves	8 Grooves	10 Grooves
	Fin. Bore* & Bushed	Fin. Bore* & Bushed	Fin. Bore* & Bushed	Fin. Bore* & Bushed	Fin. Bore* & Bushed	Fin. Bore* & Bushed	Fin. Bore* & Bushed	Fin. Bore* & Bushed
"5V" Belts	Page 126	Page 127	Page 139	Page 139	Page 139	Page 139	Page 139	Page 139
5.3 - 6.3"	1VP62	2VP62	-	-	-	-	-	-
5.2 - 6.4	1VP65	2VP65	-	-	-	-	-	-
5.9 - 6.9	1VP68	2VP68	-	-	-	-	-	-
5.8 - 7.0	1VP71	2VP71	-	-	-	-	-	-
6.2 - 7.4	1VP75	2VP75	-	-	-	-	-	-
8.1 - 9.5	-	-	3MVP815V95Q	4MVP815V95	5MVP815V95	6MVP815V95	8MVP815V95	10MVP815V95
9.1 - 10.5	-	-	3MVP915V105Q	4MVP915V105	5MVP915V105	6MVP915V105	8MVP915V105	10MVP915V105
10.1 - 11.5	-	-	3MVP1015V115Q	4MVP1015V115	5MVP1015V115	6MVP1015V115	8MVP1015V115	10MVP1015V115
11.1 - 12.5	-	-	3MVP1115V125Q	4MVP1115V125	5MVP1115V125	6MVP1115V125	8MVP1115V125	10MVP1115V125

Stock Sheave Listing

Table No. 1 "A-B" Companion Sheaves

Datum Diameter		3 Grooves	4 Grooves	5 Grooves	6 Grooves
"A"	"B"	Page 133	Page 133	Page 134	Page 134
4.6"	5.0"	3MVB50P(P1)	4MVB50Q(Q2)	5MVB50Q(Q2)	—
5.0	5.4	3MVB54P(P1)	4MVB54Q(Q2)	5MVB54Q(Q2)	6MVB54Q(Q2)
5.6	6.0	3MVB60P(P1)	4MVB60Q(Q2)	5MVB60Q(Q2)	6MVB60Q(Q2)
6.0	6.4	3MVB64P(P1)	4MVB64Q(Q2)	5MVB64Q(Q2)	—
6.6	7.0	3MVB70Q(Q1)	4MVB70Q(Q2)	5MVB70R(R2)	6MVB70R(Q2)
7.0	7.4	3MVB74Q(Q1)	4MVB74Q(Q2)	5MVB74R(R2)	—
7.6	8.0	3MVB80Q(Q1)	4MVB80Q(Q2)	5MVB80R(R2)	—
8.2	8.6	3MVB86Q(Q1)	4MVB86Q(Q2)	5MVB86R(R2)	—
8.6	9.0	3MVB90Q(Q1)	4MVB90Q(Q2)	5MVB90R(R2)	—
9.0	9.4	3MVB94Q(Q1)	4MVB94Q(Q2)	5MVB94R(R2)	6MVB94R(Q2)
10.6	11.0	3MVB110Q(Q1)	4MVB110R(R1)	5MVB110R(R2)	6MVB110R(R2)
12.0	12.4	3MVB124Q(Q1)	4MVB124R(R1)	5MVB124R(R2)	6MVB124R(R2)
13.2	13.6	3MVB136Q(Q1)	4MVB136R(R1)	5MVB136R(R2)	6MVB136R(R2)
15.0	15.4	3MVB154Q(Q1)	4MVB154R(R1)	5MVB154R(R2)	6MVB154R(R2)
15.0	15.4	3MVB154R(R1)	—	—	—
18.0	18.4	3MVB184Q(Q1)	4MVB184R(R1)	5MVB184R(R2)	6MVB184R(R2)
18.0	18.4	3MVB184R(R1)	—	—	—
19.5	20.0	3MVB200R(R1)	4MVB200R(R1)	5MVB200R(R2)	6MVB200R(R2)
24.5	25.0	3MVB250R(R1)	4MVB250R(R1)	5MVB250R(R2)	6MVB250R(R2)
29.5	30.0	3MVB300R(R1)	4MVB300R(R1)	5MVB300R(R2)	6MVB300R(R2)
37.5	38.0	3MVB380R(R1)	4MVB380R(R1)	5MVB380R(R2)	6MVB380R(R2)

Table No. 2 "C" Companion Sheaves

Datum Dia. "C"	3 Grooves	4 Grooves	5 Grooves	6 Grooves
	Page 136	Page 137	Page 138	Page 138
8.0"	3MVC80Q(Q2)	4MVC80Q(Q2)	5MVC80R(R2)	6MVC80R(R2)
8.6	3MVC86Q(Q2)	4MVC86Q(Q2)	5MVC86R(R2)	—
9.0	3MVC90Q(Q2)	4MVC90Q(Q2)	5MVC90R(R2)	—
9.6	3MVC96Q(Q2)	4MVC96Q(Q2)	5MVC96R(R2)	—
10.0	3MVC100Q(Q2)	4MVC100Q(Q2)	5MVC100R(R2)	—
10.6	3MVC106Q(Q2)	4MVC106Q(Q2)	5MVC106R(R2)	6MVC106R(R2)
11.0	3MVC110Q(Q2)	4MVC110R(R2)	5MVC110R(R2)	6MVC110R(R2)
12.0	3MVC120Q(Q2)	4MVC120R(R2)	5MVC120R(R2)	6MVC120R(R2)
13.0	3MVC130Q(Q2)	4MVC130R(R2)	5MVC130R(R2)	—
14.0	3MVC140R(R1)	4MVC140R(R2)	5MVC140R(R2)	6MVC140R(R2)
16.0	3MVC160R(R1)	4MVC160R(R2)	5MVC160R(R2)	6MVC160R(R2)
18.0	3MVC180R(R1)	4MVC180R(R2)	5MVC180R(S2)	6MVC180R(S2)
20.0	3MVC200R(R1)	4MVC200R(R2)	5MVC200R(S2)	6MVC200R(S2)
24.0	3MVC240R(R1)	4MVC240R(R2)	5MVC240R(S2)	6MVC240R(S2)
27.0	3MVC270R(R2)	4MVC270R(R2)	5MVC270R(S2)	—
30.0	3MVC300R(R2)	4MVC300R(R2)	5MVC300R(S2)	—
36.0	3MVC360R(R2)	4MVC360R(R2)	5MVC360R(S2)	6MVC360R(S2)
44.0	3MVC440U(U0)	—	5MVC440U(U0)	—
50.0	3MVC500U(U0)	4MVC500U(U0)	5MVC500U(U0)	—

Table No. 3 Bushing Bores

Bushing	Bores Range
P1	1/2 - 1 3/4"
Q1	3/4 - 2 11/16
Q2	1 - 2 5/8
R1	1 1/8 - 3 3/4
R2	1 3/8 - 3 5/8
S1	1 11/16 - 4 1/4
S2	1 7/8 - 4 3/16
U0	2 3/8 - 5 1/2
U1	2 3/8 - 5 1/2

Table No. 4 "5V" Companion Sheaves

Pitch Dia. "5V"	3 Grooves	4 Grooves	5 Grooves	6 Grooves	8 Grooves	10 Grooves
	Page 140	Page 140	Page 141	Page 141	Page 142	Page 142
7.9"	3MV5V80R(R1)	4MV5V80R(R1)	5MV5V80R(R2)	6MV5V80R(R2)	—	—
8.4	3MV5V85R(R1)	4MV5V85R(R1)	5MV5V85R(R2)	6MV5V85R(R2)	—	—
8.9	3MV5V90R(R1)	4MV5V90R(R1)	5MV5V90R(R2)	6MV5V90R(R2)	8MV5V90S(S2)	10MV5V90S(S2)
9.15	3MV5V92R(R1)	4MV5V92R(R1)	5MV5V92R(R2)	6MV5V92R(R2)	8MV5V92S(S2)	10MV5V92S(S2)
9.65	3MV5V97R(R1)	4MV5V97R(R1)	5MV5V97R(R2)	6MV5V97R(R2)	8MV5V97S(S2)	10MV5V97S(S2)
10.2	3MV5V103R(R1)	4MV5V103R(R1)	5MV5V103R(R2)	6MV5V103R(R2)	8MV5V103S(S2)	10MV5V103S(S2)
10.8	3MV5V109R(R1)	4MV5V109R(R1)	5MV5V109R(R2)	6MV5V109R(R2)	8MV5V109S(S2)	10MV5V109S(S2)
11.7	3MV5V118R(R1)	4MV5V118R(R1)	5MV5V118R(S1)	6MV5V118R(S1)	8MV5V118S(S2)	10MV5V118S(S2)
12.4	3MV5V125R(R1)	4MV5V125R(R1)	5MV5V125R(S1)	6MV5V125R(S1)	8MV5V125S(S2)	10MV5V125U(U1)
13.1	3MV5V132R(R1)	4MV5V132R(R1)	5MV5V132R(S1)	6MV5V132R(S1)	8MV5V132S(S2)	10MV5V132U(U1)
13.9	3MV5V140R(R1)	4MV5V140R(R1)	5MV5V140R(S1)	6MV5V140R(S1)	8MV5V140S(S2)	10MV5V140U(U1)
14.9	3MV5V150R(R1)	4MV5V150R(R1)	5MV5V150R(S1)	6MV5V150R(S1)	8MV5V150S(S2)	10MV5V150U(U1)
15.9	3MV5V160R(R1)	4MV5V160R(R1)	5MV5V160R(S1)	6MV5V160R(S1)	8MV5V160S(S2)	10MV5V160U(U1)
17.9	3MV5V180R(R1)	4MV5V180R(R1)	5MV5V180R(S1)	6MV5V180R(S2)	8MV5V180S(S2)	10MV5V180U(U1)
19.9	3MV5V200R(R1)	4MV5V200R(R1)	5MV5V200R(S1)	6MV5V200R(S2)	8MV5V200U(U0)	10MV5V200U(U0)
21.1	3MV5V212S(S1)	4MV5V212S(S1)	5MV5V212S(U0)	6MV5V212S(U0)	8MV5V212U(U1)	10MV5V212U(U1)
23.9	3MV5V240S(S1)	4MV5V240S(S1)	5MV5V240S(U0)	6MV5V240S(U0)	8MV5V240U(U1)	10MV5V240U(U1)
27.9	3MV5V280S(S1)	4MV5V280S(S1)	5MV5V280S(U0)	6MV5V280S(U0)	8MV5V280U(U1)	10MV5V280U(U1)
29.9	3MV5V300S(S1)	4MV5V300S(S1)	5MV5V300S(U0)	6MV5V300S(U0)	8MV5V300U(U1)	10MV5V300U(U1)
37.4	3MV5V375U(U0)	4MV5V375S(S1)	5MV5V375S(U0)	6MV5V375S(U1)	8MV5V375U(U1)	10MV5V375U(U1)
43.9	3MV5V440U(U0)	4MV5V440U(U0)	5MV5V440U(U0)	6MV5V440U(U1)	8MV5V440U(U1)	10MV5V440U(U1)
49.9	3MV5V500U(U0)	4MV5V500U(U0)	5MV5V500U(U0)	6MV5V500U(U1)	8MV5V500U(U1)	10MV5V500U(U1)

Bushing number is shown in parenthesis after Sheave Part Number.

For complete catalog dimensions see eCatalog at www.emerson-ept.com

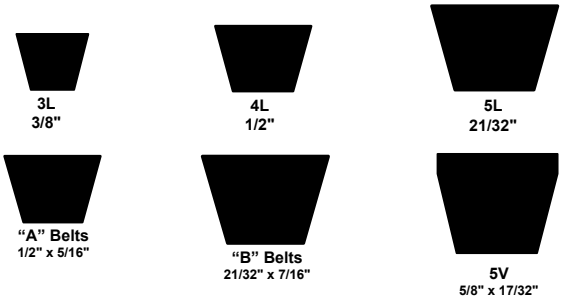
1VP25 x 1/2 - 1VP75 x 1 5/8

1VP Cast Iron Sheaves

Single Groove Variable Pitch Sheaves for "3L", "4L", "5L", "A", "B" and "5V" Belts

Dimensions (Inches)

Part No.	O.D.	OL	Wt. Lbs.
1VP25	2.50	1 11/16	.8
1VP30	2.87	1 11/16	.9
1VP34	3.15	1 7/8	1.2
1VP40	3.75	1 7/8	1.7
1VP44	4.15	1 7/8	1.9
1VP44	4.15	2 5/32	2.6
1VP50	4.75	1 15/16	1.9
1VP50	4.75	2 5/32	2.9
1VP56	5.35	1 15/16	2.7
1VP56	5.35	2 5/32	3.4
1VP60	6.00	2 7/32	5.5
1VP62	5.95	2 7/32	5.7
1VP65	6.50	2 7/32	5.8
1VP68	6.55	2 7/32	6.4
1VP71	7.10	2 7/32	6.8
1VP75	7.50	2 7/32	7.3



New Vortex™ Design

Stock Sizes - Finished Bore (Inches)

Part No.	DIAMETER RANGE																Stock Bores Marked "x"								
	"3L" BELTS				"4L" or "A" BELTS				"5L" OR "B" BELTS				"5V" BELTS				1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 5/8
	Min. Pitch	Turns Open	Max. Pitch	Turns Open	Min. Pitch	Turns Open	Max. Pitch	Turns Open	Min. Pitch	Turns Open	Max. Pitch	Turns Open	Min. Pitch	Turns Open	Max. Pitch	Turns Open									
1VP25	1.6	4	2.4	0	-	-	-	-	-	-	-	-	-	-	-	-	x	-	-	-	-	-	-	-	-
1VP30	1.8	4	2.7	0	-	-	-	-	-	-	-	-	-	-	-	-	x	x	x	-	-	-	-	-	-
1VP34	1.7	4	2.5	0	2	5	3	0	2.5	5	3.3	1	-	-	-	-	x	x	x	x	-	-	-	-	-
1VP40	2.3	4	3.1	0	2.6	5	3.6	0	2.8	6	3.8	1	-	-	-	-	x	x	x	x	-	-	-	-	-
1VP44	2.7	4	3.5	0	3	5	4	0	3.2	6	4.2	1	-	-	-	-	x	x	x	-	-	-	-	-	-
1VP44	2.7	4	3.5	0	3	5	4	0	3.2	6	4.2	1	-	-	-	-	-	-	-	x	x	x	-	-	-
1VP50	3.3	4	4.1	0	3.6	5	4.6	0	3.8	6	4.8	1	-	-	-	-	x	x	x	-	-	-	-	-	-
1VP50	3.3	4	4.1	0	3.6	5	4.6	0	3.8	6	4.8	1	-	-	-	-	-	-	-	x	x	x	-	-	-
1VP56	3.9	4	4.7	0	4.2	5	5.2	0	4.4	6	5.4	1	-	-	-	-	x	x	x	-	-	-	-	-	-
1VP56	3.9	4	4.7	0	4.2	5	5.2	0	4.4	6	5.4	1	-	-	-	-	-	-	-	x	x	x	-	-	-
1VP60	-	-	-	-	4.4	5	5.4	0	4.7	6	5.9	0	4.7	6	5.9	0	-	-	x	x	-	x	-	x	x
1VP62	-	-	-	-	4.4	6	5.4	0	4.7	5	5.9	0	4.7	6	5.9	0	-	x	x	x	x	x	x	x	-
1VP65	-	-	-	-	4.9	5	5.9	0	5.2	6	6.4	0	5.2	6	6.4	0	-	-	x	x	-	x	-	x	x
1VP68	-	-	-	-	4.9	5	5.9	0	5.2	6	6.4	0	5.2	6	6.4	0	-	x	x	x	x	x	x	x	-
1VP71	-	-	-	-	5.5	5	6.5	0	5.8	6	7.0	0	5.8	6	7.0	0	-	-	x	x	-	x	-	x	x
1VP75	-	-	-	-	5.9	5	6.9	0	6.2	6	7.4	0	6.2	6	7.4	0	-	-	x	x	-	x	-	x	x

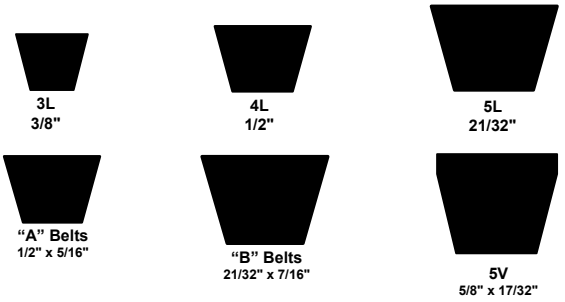
All fitted with hollow head setscrew.
Any standard Browning sheave can be used as a companion sheave.

2VP Cast Iron Sheaves

Two Groove Variable Pitch Sheaves for "3L", "4L", "5L", "A", "B" and "5V" Belts

Dimensions (Inches)

Part No.	O.D.	OL	Wt. Lbs.
2VP36	3.35	3	2.6
2VP42	3.95	3	3.5
2VP50	4.75	3	5.4
2VP56	5.35	3	6.6
2VP60	6.00	3 1/4	10.2
2VP62	5.95	3 1/4	10.5
2VP65	6.5	3 1/4	11.6
2VP68	6.55	3 1/4	12.3
2VP71	7.1	3 1/4	13.4
2VP75	7.5	3 1/4	15.5



New Vortex™ Design

Stock Sizes - Finished Bore (Inches)

Part No.	DIAMETER RANGE																Stock Bores Marked "x"								
	"3L" BELTS				"4L" or "A" BELTS				"5L" OR "B" BELTS				"5V" BELTS				1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 5/8
	Min. Pitch	Turns Open	Max. Pitch	Turns Open	Min. Pitch	Turns Open	Max. Pitch	Turns Open	Min. Pitch	Turns Open	Max. Pitch	Turns Open	Min. Pitch	Turns Open	Max. Pitch	Turns Open									
2VP36	1.9	4	2.7	0	2.2	5	3.2	0	2.6	5	3.4	1	-	-	-	-	x	x	x	x	-	x	-	-	-
2VP42	2.5	4	3.3	0	2.8	5	3.8	0	3	6	4	1	-	-	-	-	-	x	x	x	x	x	-	-	-
2VP50	3.3	4	4.1	0	3.6	5	4.6	0	3.8	6	4.8	1	-	-	-	-	-	x	x	x	x	x	-	-	-
2VP56	3.9	4	4.7	0	4.2	5	5.2	0	4.4	6	5.4	1	-	-	-	-	-	x	x	x	x	x	-	-	-
2VP60	-	-	-	-	4.4	5	5.4	0	4.7	6	5.9	0	4.7	6	5.9	0	-	-	x	x	-	x	-	x	x
2VP62	-	-	-	-	4.4	5	5.4	0	4.7	6	5.9	1	4.7	6	5.9	0	-	-	x	x	x	x	x	x	x
2VP65	-	-	-	-	4.9	5	5.9	0	5.2	6	6.4	0	5.2	6	6.4	0	-	-	x	x	-	x	-	x	x
2VP68	-	-	-	-	4.9	5	5.9	0	5.2	6	6.4	1	5.2	6	6.4	0	-	-	-		x	x	x	x	-
2VP71	-	-	-	-	5.5	5	6.5	0	5.8	6	7.0	0	5.8	6	7.0	0	-	-	x	x	-	x	-	x	x
2VP75	-	-	-	-	5.9	5	6.9	0	6.2	6	7.4	0	6.2	6	7.4	0	-	-	x	x	-	x	-	x	x

All fitted with hollow head setscrew.
Any standard Browning sheave can be used as a companion sheave.

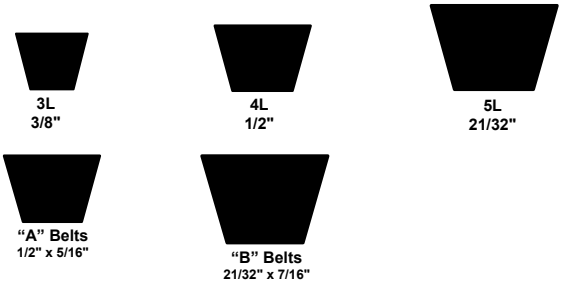
For complete catalog dimensions see eCatalog at www.emerson-ept.com

1VL25 x 1/2 - 1VM50 x 7/8

VL and VM Cast Iron Sheaves

Stock "VL" and "VM" Variable Pitch Sheaves

Part No.	O.D.	F		G		L	Wt.
		Max.	Min.	Max.	Min.		Lbs.
1VL25	2.5	25/32	17/32	5/8	3/8	1 11/16	.8
1VL30	2.87	25/32	17/32	5/8	3/8	1 11/16	.9
1VL34	3.15	31/32	21/32	13/16	1/2	1 7/8	1.2
1VL40	3.75	1 1/32	21/32	7/8	1/2	1 7/8	1.7
1VL44	4.15	1 1/32	21/32	7/8	1/2	1 /78	1.9
1VM50	4.75	1 1/16	1 1/16	7/8	1/2	1 15/16	1.9



"VL" and "VM" Sheaves are furnished with standard keyseats and hollow head setscrews and packaged 20 pieces per carton.

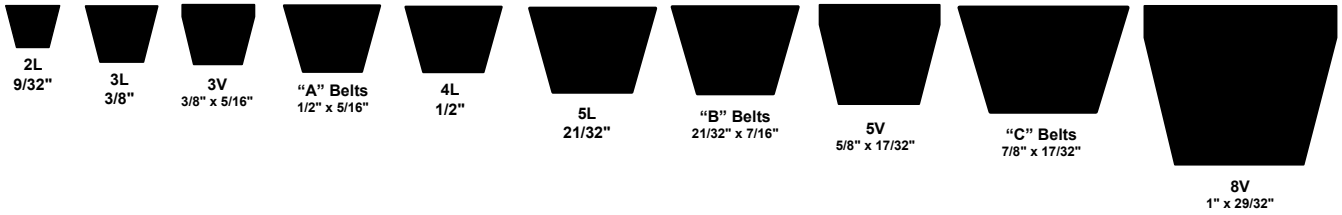
Stock Sizes - Finished Bore (Inches)

Part No.	DIAMETER RANGE												Stock Bores Marked "x"			
	"3L" BELTS				"4L" or "A" BELTS				"5L" OR "B" BELTS				1/2	5/8	3/4	7/8
	Min. Pitch	Turns Open	Max. Pitch	Turns Open	Min. Datum	Turns Open	Max. Datum	Turns Open	Min. Datum	Turns Open	Max. Datum	Turns Open				
1VL25	1.6	4	2.4	0	-	-	-	-	-	-	-	-	x	x	-	-
1VL30	1.8	4	2.7	0	-	-	-	-	-	-	-	-	x	x	-	-
1VL34	1.7	4	2.5	0	2.0	5	3.0	0	2.5	5	3.3	1	x	x	x	-
1VL40	2.3	4	3.1	0	2.6	5	3.6	0	2.8	6	3.8	1	x	x	x	x
1VL44	2.7	4	3.5	0	3.0	5	4.0	0	3.2	6	4.2	1	x	x	x	x
1VM50	3.3	4	4.1	0	3.6	5	4.6	0	3.8	6	4.8	1	x	x	x	x

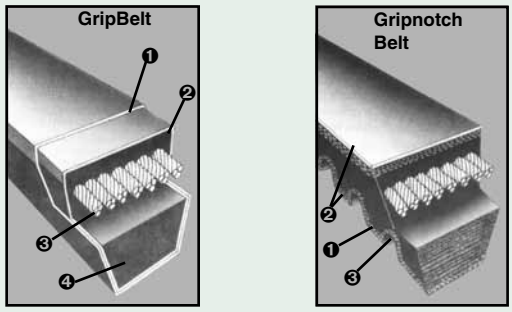
Standard Keyseats

Bore Range	Keyseat
3/4 to 7/8	3/16 x 3/32
15/16 to 1 1/4	1/4 x 1/8
1 5/16 to 1 3/8*	5/16 x 5/32
1 7/16 to 1 3/4	3/8 x 3/16

Low Priced, High Production
Cast Iron Sheaves
For Any Light Application



Unique design enhances performance and provides increased hp capacity in shorter center drives.



Before we talk about *"Avoiding Problems"* and *"Solving Problems"*, let's take a brief look at how V-belts are constructed.

There are basically two types of construction. One has a fabric wrapper (or jacket) surrounding it; the other – usually rated higher in horsepower – is made in a raw edged, cogged construction.

GripBelt®

1. Single Fabric Design
- More flexible - use with sub-minimal pitch diameters.
- Reduced overlap - reduces vibration

2. Improved Cord Adhesion

3. Improved Flexibility Cords

4. Improved SBR Compounds

Gripnotch® V-Belts

1. Ground Form
- Reduced vibration increases belt and bearing life.

2. Fabric Top and Bottom
- Increases rigidity and stability. Reduces stress on the cord line and increases belt life.

3. Wider Notch Spacing
- Increases rigidity and stability. Reduces stress on the cord line and increases belt life.

MVP® Sheaves

The Browning MVP Sheave consists of a series of angular faced flanges which are bolted to a fixed flange and another series of angular faced flanges which are bolted to a threaded collar. When the threaded collar is turned clockwise it moves the angular faced flanges closer together causing the belts to ride higher in the groove, increasing the pitch diameter. When turned counter clockwise it moves the flanges apart allowing the belt to ride lower in the groove, decreasing the pitch diameter. The threaded flange is equipped with the Browning patented locking collar so that when the desired pitch diameter is attained by turning the threaded collar, the movable flanges can be securely locked in place. The pitch diameter is infinitely adjustable between the minimum and maximum setting. And ..... All Browning MVP Sheaves are dynamically balanced.

- More power in less space.
- Smaller, lighter weight drives are possible.
- Bearing overhang is not as great as with conventional V-belts.
- More effectively utilize T-Frame motors.

A-B Variable Speed Sheaves

Stock Finished Bore MVP® Sheaves for "A" and "B" Belts

U. S. Patent Number 5,304,098 - Patent Expires October 2012*

Dynamically Balanced

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

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

Table No. 1 **Specifications**

DIAMETER			Part Number	Dimensions			Stock Bores Marked "X"							Wt. Lbs.
Datum Range		Out-side		O.L.	Face Width		7/8"	1 1/8"	1 3/8"	1 5/8"	1 7/8"	2 1/8"	2 3/8"	
"A" Belts	"B" Belts				Max.	Min.								
2 Grooves														
3.4" -4.5"	3.5"-4.9"	5.18"	**2MVP35B49**	3 5/8"	2 5/16"	1 15/16"	X	X	X	-	-	-	-	9.8
3.9-5.0	4.0-5.4	5.68	**2MVP40B54**	3 5/8	2 5/16	1 15/16	-	X	X	X	-	-	-	12.5
4.4-5.5	4.5-5.9	6.18	**2MVP45B59**	3 5/8	2 5/16	1 15/16	-	X	X	X	-	-	-	14.3
4.9-6.0	5.0-6.4	6.68	**2MVP50B64**	3 5/8	2 5/16	1 15/16	-	X	X	X	-	-	-	18.1
5.4-6.5	5.5-6.9	7.18	**2MVP55B69**	3 5/8	2 5/16	1 15/16	-	X	X	X	-	-	-	19.8
3 Grooves														
3.4" -4.5"	3.5"-4.9"	5.18"	**3MVP35B49**	4 3/4"	3 7/16"	3 1/16"	-	X	X	-	-	-	-	12.5
3.9-5.0	4.0-5.4	5.68	**3MVP40B54**	4 3/4	3 7/16	3 1/16	-	X	X	X	-	-	-	16.3
4.4-5.5	4.5-5.9	6.18	**3MVP45B59**	4 3/4	3 7/16	3 1/16	-	X	X	X	X	-	-	18.3
4.9-6.0	5.0-6.4	6.68	**3MVP50B64**	4 3/4	3 7/16	3 1/16	-	-	X	X	X	-	-	22.9
5.4-6.5	5.5-6.9	7.18	**3MVP55B69**	4 3/4	3 7/16	3 1/16	-	-	X	X	X	-	-	24.5
5.9-7.0	6.0-7.4	7.68	**3MVP60B74**	4 3/4	3 7/16	3 1/16	-	-	-	-	X	-	-	29.3
6.9-8.0	7.0-8.4	8.68	**3MVP70B84**	4 3/4	3 7/16	3 1/16	-	-	-	-	X	-	-	36.8
4 Grooves														
3.4" -4.5"	3.5"-4.9"	5.18"	**4MVP35B49**	5 7/8"	4 9/16"	4 3/16"	-	X	X	-	-	-	-	15
3.9-5.0	4.0-5.4	5.68	**4MVP40B54**	5 7/8	4 9/16	4 3/16	-	X	X	X	-	-	-	20.5
4.4-5.5	4.5-5.9	6.18	**4MVP45B59**	5 7/8	4 9/16	4 3/16	-	-	X	X	X	-	-	22.8
4.9-6.0	5.0-6.4	6.68	**4MVP50B64**	5 7/8	4 9/16	4 3/16	-	-	X	X	X	-	-	29.8
5.4-6.5	5.5-6.9	7.18	**4MVP55B69**	5 7/8	4 9/16	4 3/16	-	-	X	X	X	-	-	31.1
5.9-7.0	6.0-7.4	7.68	**4MVP60B74**	5 7/8	4 9/16	4 3/16	-	-	-	-	X	-	-	38.8
6.9-8.0	7.0-8.4	8.68	**4MVP70B84**	5 7/8	4 9/16	4 3/16	-	-	-	-	X	X	-	47.0
5 Grooves														
3.4" -4.5"	3.5"-4.9"	5.18"	**5MVP35B49**	7"	5 11/16"	5 5/16"	-	-	X	-	-	-	-	18.3
3.9-5.0	4.0-5.4	5.68	**5MVP40B54**	7"	5 11/16	5 5/16	-	-	-	X	X	-	-	23.9
4.4-5.5	4.5-5.9	6.18	**5MVP45B59**	7"	5 11/16	5 5/16	-	-	-	X	X	-	-	26.3
4.9-6.0	5.0-6.4	6.68	**5MVP50B64**	7"	5 11/16	5 5/16	-	-	-	X	X	-	-	35.3
5.4-6.5	5.5-6.9	7.18	**5MVP55B69**	7"	5 11/16	5 5/16	-	-	-	X	X	X	-	40.1
5.9-7.0	6.0-7.4	7.68	**5MVP60B74**	7"	5 11/16	5 5/16	-	-	-	-	X	X	-	44.1
6.9-8.0	7.0-8.4	8.68	**5MVP70B84**	7"	5 11/16	5 5/16	-	-	-	-	X	X	-	53.0
6 Grooves														
3.9-5.0	4.0-5.4	5.68	**6MVP40B54**	8 1/8	6 13/16	6 7/16	-	-	-	X	X	-	-	27
4.4-5.5	4.5-5.9	6.18	**6MVP45B59**	8 1/8	6 13/16	6 7/16	-	-	-	X	X	-	-	32.3
4.9-6.0	5.0-6.4	6.68	**6MVP50B64**	8 1/8	6 13/16	6 7/16	-	-	-	-	X	X	-	38.1
5.4-6.5	5.5-6.9	7.18	**6MVP55B69**	8 1/8	6 13/16	6 7/16	-	-	-	-	X	-	-	42
5.9-7.0	6.0-7.4	7.68	**6MVP60B74**	8 1/8	6 13/16	6 7/16	-	-	-	-	X	X	-	50.0
6.9-8.0	7.0-8.4	8.68	**6MVP70B84**	8 1/8	6 13/16	6 7/16	-	-	-	-	X	X	X	61.0

Table No. 2 Standard Keyseats

Bore	Keyseat
7/8"oooo	3/16" x 3/32"
1 1/8	1/4 x 1/8
1 3/8	5/16 x 5/32
1 5/8	3/8 x 3/16
1 7/8, 2 1/8	1/2 x 1/4

Browning finished bore MVP Sheaves are furnished with standard keyseats and two hollow head setscrews. Datum diameter is infinitely adjustable within the datum range, .233" change per turn of the adjusting ring.

A-B Variable Speed Sheaves

Stock Bushed Type MVP® Sheaves for "A" and "B" Belts

U. S. Patent Number 5,304,098 - Patent Expires October 2012

Dynamically Balanced

Table No. 1 Specifications

DIAMETER			PART NUMBER		DIMENSIONS	Wt. Less Bush
Datum Range		Out-	Sheave	Bush-	O.L.	
"A" Belts	"B" Belts	side		ing		
2 Grooves						
5.9" -7.0"	6.0"-7.4"	7.68"	**2MVP60B74P**	**P2**	3 5/8"	23.5
6.9-8.0	7.0-8.4	8.68	**2MVP70B84P**	**P2**	3 5/8	28.1
7.9-9.0	8.0-9.4	9.68	**2MVP80B94Q**	**Q2**	3 5/8	36.1
3 Grooves						
5.9" -7.0"	6.0"-7.4"	7.68"	**3MVP60B74P**	**P2**	4 3/4"	29.5
6.9-8.0	7.0-8.4	8.68	**3MVP70B84P**	**P2**	4 3/4	35.9
7.9-9.0	8.0-9.4	9.68	**3MVP80B94Q**	**Q2**	4 3/4	45.5
4 Grooves						
5.9" -7.0"	6.0"-7.4"	7.68"	**4MVP60B74P**	**P3**	5 7/8"	37.8
6.9-8.0	7.0-8.4	8.68	**4MVP70B84P**	**P3**	5 7/8	46.4
7.9-9.0	8.0-9.4	9.68	**4MVP80B94Q**	**Q2**	5 7/8	54.4
5 Grooves						
5.9" -7.0"	6.0"-7.4"	7.68"	**5MVP60B74P**	**P3**	7"	42.6
6.9-8.0	7.0-8.4	8.68	**5MVP70B84P**	**P3**	7	52.5
7.9-9.0	8.0-9.4	9.68	**5MVP80B94Q**	**Q3**	7	60.5
6 Grooves						
5.9" -7.0"	6.0"-7.4"	7.68"	**6MVP60B74P**	**P3**	8 1/8"	50.0
6.9-8.0	7.0-8.4	8.68	**6MVP70B84P**	**P3**	8 1/8	61.0
7.9-9.0	8.0-9.4	9.68	**6MVP80B94Q**	**Q3**	8 1/8	76.5

Datum diameter is infinitely adjustable within the datum range, .233" change per turn of the adjusting ring.

Table No. 2 Bushing Bores

Bushing No.	Bore Range
P2	3/4" - 1 3/4"
P3	1 1/8 - 1 5/8
Q2	1 - 2 5/8
Q3	1 3/8 - 2 1/2

Table No. 3 Standard Keyseats

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

1 3/8" bore bushings (except P3 and Q3) are available with 3/8" x 3/16" keyseat.

A-B Companion Sheaves

Stock Companion Sheaves for "A" and "B" Belts

Table No. 1 Specifications

DIAMETERS			PART NUMBER		DIMENSIONS	Wt. Less Bush
Datum "A" Belts	Datum "B" Belts	Outside	Sheave	Bush-ing	O.L.	
3 Grooves, Face Width = 3 1/4"						
4.6"	5.0"	5.35"	**3MVB50P**	**P1**	3 1/2"	9.8
5	5.4	5.75	**3MVB54P**	**P1**	3 1/2	11.3
5.6	6.0	6.35	**3MVB60P**	**P1**	3 1/2	13.8
6	6.4	6.75	**3MVB64P**	**P1**	3 1/2	13.6
6.6	7.0	7.35	**3MVB70Q**	**Q1**	3 17/32	16.8
7.0	7.4	7.75	**3MVB74Q**	**Q1**	3 17/32	16.8
7.6	8.0	8.35	**3MVB80Q**	**Q1**	3 17/32	19.5
8.2	8.6	8.95	**3MVB86Q**	**Q1**	3 17/32	23.5
8.6	9.0	9.35	**3MVB90Q**	**Q1**	3 17/32	22.8
9.0	9.4	9.75	**3MVB94Q**	**Q1**	3 17/32	22.5
10.6	11.0	11.35	**3MVB110Q**	**Q1**	3 17/32	29.0
12.0	12.4	12.75	**3MVB124Q**	**Q1**	3 17/32	31.3
13.2	13.6	13.95	**3MVB136Q**	**Q1**	3 17/32	35.4
15.0	15.4	15.75	**3MVB154Q**	**Q1**	3 17/32	40.0
15.0	15.4	15.75	**3MVB154R**	**R1**	3 25/32	44.6
18.0	18.4	18.75	**3MVB184Q**	**Q1**	3 17/32	49.3
18.0	18.4	15.75	**3MVB184R**	**R1**	3 25/32	53.5
19.5	20.0	20.35	**3MVB200R**	**R1**	3 25/32	61.0
24.5	25.0	25.35	**3MVB250R**	**R1**	3 25/32	77.0
29.5	30.0	30.35	**3MVB300R**	**R1**	3 25/32	109
37.5	38.0	38.5	**3MVB380R**	**R1**	3 25/32	132
4 Grooves, Face Width = 4 3/8"						
4.6"	5.0"	5.35"	**4MVB50P**	**P2**	5 13/32"	12.1
5	5.4	5.75	**4MVB54P**	**P2**	5 13/32	15.4
5.6	6.0	6.35	**4MVB60P**	**P2**	4 13/32	19.1
6	6.4	6.75	**4MVB64P**	**P2**	4 19/32	23.3
6.6	7.0	7.35	**4MVB70Q**	**Q2**	4 19/32	24.8
7.0	7.4	7.75	**4MVB74Q**	**Q2**	4 19/32	29.0
7.6	8.0	8.35	**4MVB80Q**	**Q2**	4 19/32	26.0
8.2	8.6	8.95	**4MVB86Q**	**Q2**	4 19/32	30.0
8.6	9.0	9.35	**4MVB90Q**	**Q2**	4 19/32	33.4
9.0	9.4	9.75	**4MVB94Q**	**Q2**	4 19/32	35.3
10.6	11.0	11.35	**4MVB110Q**	**R1**	4 3/8	39.5
12.0	12.4	12.75	**4MVB124Q**	**R1**	4 3/8	42.3
13.2	13.6	13.95	**4MVB136Q**	**R1**	4 3/8	47.0
15.0	15.4	15.75	**4MVB154R**	**R1**	4 3/8	52.5
15.0	15.4	15.75	**4MVB184R**	**R1**	4 3/8	65.0
19.5	18.4	18.75	**4MVB200R**	**R1**	4 3/8	73.0
24.5	18.4	15.75	**4MVB250R**	**R1**	4 3/8	88.0
29.5	20.0	20.35	**4MVB300R**	**R1**	4 3/8	131
37.5	25.0	25.35	**4MVB380R**	**R1**	4 3/8	171

Table No. 2 Bushing Bores

Bushing No.	Bore Range
P1	1/2" - 1 3/4"
Q1	3/4-2 11/16
Q2	1 - 2 5/8
R1	1 1/8-3 3/4

Table No. 3 Standard Keyseats

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

1 3/8" bore bushings are available with 3/8" x 3/16" keyseat.

For complete catalog dimensions see eCatalog at www.emerson-ept.com

A-B Companion Sheaves

Stock Companion Sheaves for "A" and "B" Belts

Table No. 1 Specifications

DIAMETERS			PART NUMBER		DIMENSIONS	Wt. Less Bush
Datum "A" Belts	Datum "B" Belts	Outside	Sheave	Bush-ing	O.L.	
5 Grooves, Face Width = 5 1/2"						
4.6"	5.0"	5.35"	**5MVB50Q**	**Q2**	6 17/32"	15.2
5.0	5.4	5.75	**5MVB54Q**	**Q2**	6 17/32	19.0
5.6	6.0	6.35	**5MVB60Q**	**Q2**	5 1/2	22.8
6.0	6.4	6.75	**5MVB64Q**	**Q2**	5 1/2	27.6
6.6	7.0	7.35	**5MVB70R**	**R2**	5 29/32	31.8
7.0	7.4	7.75	**5MVB74R**	**R2**	5 29/32	37.0
7.6	8.0	8.35	**5MVB80R**	**R2**	5 29/32	45.3
8.2	8.6	8.95	**5MVB86R**	**R2**	5 29/32	51.3
8.6	9.0	9.35	**5MVB90R**	**R2**	5 29/32	64.0
9.0	9.4	9.75	**5MVB94R**	**R2**	5 29/32	50.5
10.6	11.0	11.35	**5MVB110R**	**R2**	5 29/32	66.0
12.0	12.4	12.75	**5MVB124R**	**R2**	5 29/32	64.0
13.2	13.6	13.95	**5MVB136R**	**R2**	5 29/32	73.5
15.0	15.4	15.75	**5MVB154R**	**R2**	5 29/32	81.5
18.0	18.4	18.75	**5MVB184R**	**R2**	5 29/32	91.0
19.5	20.0	20.35	**5MVB200R**	**R2**	5 29/32	102
24.5	25.0	25.35	**5MVB250R**	**R2**	5 29/32	115
29.5	30.0	30.35	**5MVB300R**	**R2**	5 29/32	166
37.5	38.0	38.35	**5MVB380R**	**R2**	5 29/32	235
6 Grooves, Face Width = 6 5/8"						
5.0	5.4	5.75	**6MVB54Q**	**Q2**	7 21/32	22.0
5.6	6.0	6.35	**6MVB60Q**	**Q2**	6 5/8	26.3
6.6	7.0	7.35	**6MVB70R**	**R2**	6 5/8	35.5
9.0	9.4	9.75	**6MVB94R**	**R2**	6 5/8	56.5
10.6	11.0	11.35	**6MVB110R**	**R2**	6 5/8	62.0
12.0	12.4	12.75	**6MVB124R**	**R2**	6 5/8	70.0
13.2	13.6	13.95	**6MVB136R**	**R2**	6 5/8	79.0
15.0	15.4	15.75	**6MVB154R**	**R2**	6 5/8	90.0
18.0	18.4	18.75	**6MVB184R**	**R2**	6 5/8	101
19.5	20.0	20.35	**6MVB200R**	**R2**	6 5/8	114
24.5	25.0	25.35	**6MVB250R**	**R2**	6 5/8	147
29.5	30.0	30.35	**6MVB300R**	**R2**	6 5/8	181
37.5	38.0	38.35	**6MVB380R**	**R2**	6 5/8	245

Table No. 2 Bushing Bores

Bushing No.	Bore Range
Q2	1" - 2 5/8"
R2	1 3/8 - 3 5/8

Table No. 3 Standard Keyseats

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

1 3/8" bore bushings are available with 3/8" x 3/16" keyseat.

C Companion Sheaves

Stock Bushed Type Variable Speed Sheaves for "C" Belts

U. S. Patent Number 5,304,098 - Patent Expires October 2012

Dynamically Balanced

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

Table No. 1Two Groove "C" Locking Ring Variable Speed Sheaves

Part Number		O.D.	Datum Range				DIMENSIONS	Wt. Less Bush.
Sheave	Bush-ing		Min. Pitch	Turns Open	Max. Pitch	Turns Open	O.L.	
2VP7290Q	**Q2**	9.48"	7.2"	9	9.0"	0	5 1/32"	34.4
2VP82C100Q	**Q2**	10.48	8.2	9	10.0	0	5 1/32	41.0
2VP92C110Q	**Q2**	11.48	9.2	9	11.0	0	5 1/32	48.4

Use Browning Gripbelt® belts and stock 2 Groove Sheaves with these Sheaves.
D. D. is adjustable on quarter-turn increments; .05" per quarter-turn.
Q2 Bushing bore range = 1" to 2 5/8".

Table No. 2 MVP® Sheaves

DIAMETERS		PART NUMBER		DIMENSIONS	Wt. Less Bush.
Datum Range "C" Belts	Out-Side	Sheave	Bush-ing	O.L.	
2 Grooves					
7.5" - 9.7"	10.06"	**2MVP75C97Q**	**Q2**	4 5/8"	44.6
8.5 - 10.7	11.06	**2MVP85C107Q**	**Q2**	4 5/8	51.5
9.5 -11.7	12.03	**2MVP95C117Q**	**Q2**	4 5/8	61.0
10.5 - 12.7	13.06	**2MVP105C127Q**	**Q2**	4 5/8	69.5
11.5 -13.7	14.06	**2MVP115C137Q**	**Q2**	4 5/8	81.0
3 Grooves					
7.5" - 9.7"	10.06"	**3MVP75C97Q**	**Q2**	6 9/32"	57.5
8.0 - 10.2	10.56	**3MVP80C102Q**	**Q2**	6 9/32	63.5
8.5 - 10.7	11.06	**3MVP85C107Q**	**Q2**	6 9/32	68.5
9.0 - 11.2	11.56	**3MVP90C112Q**	**Q2**	6 9/32	73.5
9.5 -11.7	12.03	**3MVP95C117Q**	**Q2**	6 9/32	78.0
10.5 - 12.7	13.06	**3MVP105C127Q**	**Q2**	6 9/32	92.5
11.5 -13.7	14.06	**3MVP115C137Q**	**Q2**	6 2/7	111
4 Grooves					
7.5" - 9.7"	10.06"	**4MVP75C97Q**	**Q3**	7 15/16"	74.0
8.5 - 10.7	11.06	**4MVP85C107Q**	**Q3**	7 15/16	89.0
9.5 -11.7	12.03	**4MVP95C117Q**	**Q3**	7 15/16	103
10.5 - 12.7	13.06	**4MVP105C127Q**	**Q3**	7 15/16	121
11.5 -13.7	14.06	**4MVP115C137Q**	**Q3**	7 15/16	141

Datum diameter is infinitely adjustable within the datum range, .233" change per turn of the adjusting ring.

Table No. 2 Bushing Bores

Bushing No.	Bore Range
Q2	1" - 2 5/8"
Q3	1 3/8 - 2 1/2

Table No. 3 Standard Keyseats

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

1 3/8" bore bushings (except Q3) also available with 3/8" x 3/16" keyseat.

For complete catalog dimensions see eCatalog at www.emerson-ept.com

C Variable Speed Sheaves

Stock Finished Bore MVP® Sheaves for "C" Belts

U. S. Patent Number 5,304,098 - Patent Expires October 2012

Dynamically Balanced

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

Table No. 1 Specifications

DIAMETERS		Part Number	DIMENSIONS	STOCK BORES MARKED "X"					Wt. Lbs.
Datum Range "C" Belts	Out-side		O.L.	1 7/8"	2 1/8"	2 3/8"	2 7/8"	3 3/8"	
5 Grooves									
7.5" - 9.7"	10.06"	**5MVP75C97**	9 19/32"	X	X	X	-	-	97
8.5 - 10.7	11.06	**5MVP85C107**	9 19/32	-	X	X	X	-	115
9.5 - 11.7	12.06	**5MVP95C117**	9 19/32	-	X	X	X	-	133
10.5 - 12.7	13.06	**5MVP105C127**	9 19/32	-	-	X	X	-	156
11.5 - 13.7	14.06	**5MVP115C137**	9 19/32	-	-	X	-	-	180
6 Grooves									
7.5" - 9.7"	10.06"	**6MVP75C97**	11 1/4"	-	X	X	-	-	109
8.5 - 10.7	11.06	**6MVP85C107**	11 1/4	-	-	X	X	-	132
9.5 - 11.7	12.06	**6MVP95C117**	11 1/4	-	-	X	X	-	152
10.5 - 12.7	13.06	**6MVP105C127**	11 1/4	-	-	X	-	-	177
11.5 - 13.7	14.06	**6MVP115C137**	11 1/4	-	-	X	-	-	210
7 Grooves									
7.5" - 9.7"	10.06"	**7MVP75C97**	12 29/32"	-	-	X	X	-	130
8.5 - 10.7	11.06	**7MVP85C107**	12 29/32	-	-	X	X	-	153
9.5 - 11.7	12.06	**7MVP95C117**	12 29/32	-	-	-	X	-	178
10.5 - 12.7	13.06	**7MVP105C127**	12 29/32	-	-	-	X	-	200
11.5 - 13.7	14.06	**7MVP115C137**	12 29/32	-	-	-	-	X	237
8 Grooves									
7.5" - 9.7"	10.06"	**8MVP75C97**	14 9/16"	-	-	-	X	-	139
8.5 - 10.7	11.06	**8MVP85C107**	14 9/16	-	-	-	X	-	161
9.5 - 11.7	12.06	**8MVP95C117**	14 9/16	-	-	-	X	X	200
10.5 - 12.7	13.06	**8MVP105C127**	14 9/16	-	-	-	-	X	232
11.5 - 13.7	14.06	**8MVP115C137**	14 9/16	-	-	-	-	X	272
10 Grooves									
7.5" - 9.7"	10.06"	**10MVP75C97**	17 7/8"	-	-	-	X	-	168
8.5 - 10.7	11.06	**10MVP85C107**	17 7/8"	-	-	-	X	-	206
9.5 - 11.7	12.06	**10MVP95C117**	17 7/8"	-	-	-	X	X	240
10.5 - 12.7	13.06	**10MVP105C127**	17 7/8"	-	-	-	-	-	276
11.5 - 13.7	14.06	**10MVP115C137**	17 7/8	-	-	-	-	-	322

Browning Finished Bore MVP Sheaves are furnished with standard keyseats and two hollow head setscrews.
Datum diameter is infinitely adjustable within the datum range, .233" change per turn of the adjusting ring.

Table No. 2
Bushing Bores

Bushing No.	Keyseat
1 7/8, 2 1/8	1/2" x 1/4"
2 3/8	5/8 x 5/16
2 7/8	3/4 x 3/8
3 3/8	7/8 x 7/16

C Companion Sheaves

MVP® Stock Companion Sheaves for "C" Belts

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

Table No. 1 Specifications

DIAMETERS		PART NUMBER		DIMENSIONS	Wt. Less Bush.
Datum "C" Belts	Outside	Sheave	Bushing	O.L.	
3 Grooves, Face Width = 4 9/16"					
8.0"	8.40"	**3MVC80Q**	**Q2**	4 11/16"	33.5
8.6	9.00	**3MVC86Q**	**Q2**	4 11/16	34.0
9.0	9.40	**3MVC90Q**	**Q2**	4 11/16	35.5
9.6	10.00	**3MVC96Q**	**Q2**	4 11/16	41.5
10.0	10.40	**3MVC100Q**	**Q2**	4 11/16	45.8
10.6	11.00	**3MVC106Q**	**Q2**	4 11/16	46.8
11.0	11.40	**3MVC110Q**	**Q2**	4 11/16	45.8
12.0	12.40	**3MVC120Q**	**Q2**	4 11/16	50.3
13.0	13.40	**3MVC130Q**	**Q2**	4 11/16	53.0
14.0	14.40	**3MVC140R**	**R1**	4 9/16	56.5
16.0	16.40	**3MVC160R**	**R1**	4 9/16	67.5
18.0	18.40	**3MVC180R**	**R1**	4 9/16	96.5
20.0	20.40	**3MVC200R**	**R1**	4 9/16	85.0
24.0	24.40	**3MVC240R**	**R1**	4 9/16	101
27.0	27.40	**3MVC270R**	**R1**	4 9/16	131
30.0	30.40	**3MVC300R**	**R1**	4 9/16	156
36.0	36.40	**3MVC360R**	**R1**	4 9/16	200
44.0	44.40	**3MVC440U**	**U0**	5 13/16	290
50.0	50.40	**3MVC500U**	**U0**	5 13/16	315
4 Grooves, Face Width = 6 7/32"					
8.0"	8.40"	**4MVC80Q**	**Q2**	6 7/32"	43.5
8.6	9.00	**4MVC86Q**	**Q2**	6 7/32	43.6
9.0	9.40	**4MVC90Q**	**Q2**	6 7/32	45.3
9.6	10.00	**4MVC96Q**	**Q2**	6 7/32	52.5
10.0	10.40	**4MVC100Q**	**Q2**	6 7/32	56.0
10.6	11.00	**4MVC106Q**	**Q2**	6 7/32	56.5
11.0	11.40	**4MVC110Q**	**Q2**	6 7/32	56.0
12.0	12.40	**4MVC120Q**	**Q2**	6 17/64	71.0
13.0	13.40	**4MVC130Q**	**Q2**	6 17/64	72.5
14.0	14.40	**4MVC140R**	**R2**	6 17/64	80.0
16.0	16.40	**4MVC160R**	**R2**	6 17/64	93.0
18.0	18.40	**4MVC180R**	**R2**	6 17/64	105
20.0	20.40	**4MVC200R**	**R2**	6 17/64	115
24.0	24.40	**4MVC240R**	**R2**	6 17/64	138
27.0	27.40	**4MVC270R**	**R2**	6 17/64	157
30.0	30.40	**4MVC300R**	**R2**	6 17/64	197
36.0	36.40	**4MVC360R**	**R2**	6 17/64	241
50.0	50.40	**4MVC500U**	**U0**	6 41/64	420

Table No. 2
Bushing Bores

Bushing No.	Bore Range
Q2	1" - 2 5/8"
R1	1 7/8 - 3 3/4
R2	1 3/8 - 3 5/8
U0	2 3/8 - 5 1/2

Table No. 3 Standard Keyseats

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

1 3/8" bore bushings (except R2) also available with 3/8" x 3/16" keyseat.

For complete catalog dimensions see eCatalog at www.emerson-ept.com

C Companion Sheaves

MVP® Stock Companion Sheaves for "C" Belts

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

Table No. 1 Specifications

DIAMETERS		PART NUMBER		DIMENSIONS	Wt. Less Bush.
Datum "C" Belts	Outside	Sheave	Bush-ing	O.L.	
5 Grooves, Face Width = 7 7/8"					
8.0"	8.40"	**5MVC80R**	**R2**	7 7/8"	54
8.6	9.00	**5MVC86R**	**R2**	7 7/8	68
9.0	9.40	**5MVC90R**	**R2**	7 7/8	72
9.6	10.00	**5MVC96R**	**R2**	7 7/8	80
10.0	10.40	**5MVC100R**	**R2**	7 7/8	82
10.6	11.00	**5MVC106R**	**R2**	7 7/8	84
11.0	11.40	**5MVC110R**	**R2**	7 7/8	86
12.0	12.40	**5MVC120R**	**R2**	7 7/8	83
13.0	13.40	**5MVC130R**	**R2**	7 7/8	93
14.0	14.40	**5MVC140R**	**R2**	7 7/8	98
16.0	16.40	**5MVC160R**	**R2**	7 7/8	110
18.0	18.40	**5MVC180S**	**S2**	8 7/32	156
20.0	20.40	**5MVC200S**	**S2**	8 7/32	181
24.0	24.40	**5MVC240S**	**S2**	8 7/32	213
27.0	27.40	**5MVC270S**	**S2**	8 7/32	235
30.0	30.40	**5MVC300S**	**S2**	8 7/32	250
36.0	36.40	**5MVC360S**	**S2**	8 7/32	327
44.0	44.40	**5MVC440U**	**U0**	7 7/8	384
50.0	50.40	**5MVC500U**	**U0**	7 7/8	410
6 Grooves, Face Width = 9 17/32"					
8.0"	8.40"	**6MVC80R**	**R2**	9 17/32"	63
10.6	11.00	**6MVC106R**	**R2**	9 17/32	93
11.0	11.40	**6MVC110R**	**R2**	9 17/32	99
12.0	12.40	**6MVC120R**	**R2**	9 17/32	100
14.0	14.40	**6MVC140R**	**R2**	9 17/32	118
16.0	16.40	**6MVC160R**	**R2**	9 17/32	128
18.0	18.40	**6MVC180S**	**S2**	9 17/32	176
20.0	20.40	**6MVC200S**	**S2**	9 17/32	199
24.0	24.40	**6MVC240S**	**S2**	9 17/32	241
36.0	36.40	**6MVC360S**	**S2**	9 17/32	378

Table No. 2
Bushing Bores

Bushing No.	Bore Range
R2	1 3/8" - 3 5/8"
S2	1 7/8 - 4 3/16
U0	2 3/8 - 5 1/2
U1	2 3/8 - 5 1/2

Table No. 3 Standard Keyseats

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

3MVP815V95Q - 3MVP1115V125Q
4MVP815V95 x 2 1/8 - 10MVP1115V125 x 3 7/8

5V Variable Speed Sheaves

Stock Bushed Type and Finished Bore MVP® Sheaves for "5V" Belts
Dynamically Balanced

5V
5/8" x 17/32"

Table No. 1 Specifications - Bushing Type

DIAMETERS		PART NUMBER		DIMENSIONS	Wt. Less Bush.
Pitch Range "5V" Belts	Out-side	Sheave	Bush-ing	O.L.	
3 Grooves					
8.1" - 9.5"	9.6"	**3MVP815V95Q**	**Q2**	4 3/4"	43.0
9.1 - 10.5	10.6	**3MVP915V105Q**	**Q2**	4 3/4	55.0
10.1 - 11.5	11.6	**3MVP1015V115Q**	**Q2**	4 3/4	70.0
11.1 - 12.5	12.6	**3MVP1115V125Q**	**Q2**	4 3/4	88.0

*Bore range of "Q2" Bushing is 1" - 2 5/8".

Table No. 2 Specifications - Finished Bore Type

DIAMETERS		PART NUMBER	DIMENSIONS	STOCK BORES MARKED "X"						Wt. Lbs.
Pitch Range "5V" Belts	Out-side		O.L.	1 7/8"	2 1/8"	2 3/8"	2 7/8"	3 3/8"	3 7/8"	
4 Grooves										
8.1" - 9.5"	9.6"	**4MVP815V95**	5 7/8"	-	x	x	-	-	-	65.0
9.1 - 10.5	10.6	**4MVP915V105**	5 7/8	-	x	x	-	-	-	77.0
10.1 - 11.5	11.6	**4MVP1015V115**	5 7/8	-	-	-	x	x	-	88.0
11.1 - 12.5	12.6	**4MVP1115V125**	5 7/8	-	-	-	-	x	-	100
5 Grooves										
8.1" - 9.5"	9.6"	**5MVP815V95**	7"	-	-	x	x	-	-	75.0
9.1 - 10.5	10.6	**5MVP915V105**	7	-	-	x	x	-	-	87.0
10.1 - 11.5	11.6	**5MVP1015V115**	7	-	-	-	x	x	-	100
11.1 - 12.5	12.6	**5MVP1115V125**	7	-	-	-	x	x	-	120
6 Grooves										
8.1" - 9.5"	9.6"	**6MVP815V95**	8 1/8"	-	-	x	x	-	-	80.0
9.1 - 10.5	10.6	**6MVP915V105**	8 1/8	-	-	x	x	-	-	99.0
10.1 - 11.5	11.6	**6MVP1015V115**	8 1/8	-	-	-	x	x	-	110
11.1 - 12.5	12.6	**6MVP1115V125**	8 1/8	-	-	-	x	x	-	135
8 Grooves										
8.1" - 9.5"	9.6"	**8MVP815V95**	10 3/8"	-	-	-	x	x	-	102
9.1 - 10.5	10.6	**8MVP915V105**	10 3/8	-	-	-	x	x	-	123
10.1 - 11.5	11.6	**8MVP1015V115**	10 3/8	-	-	-	x	x	-	147
11.1 - 12.5	12.6	**8MVP1115V125**	10 3/8	-	-	-	-	x	-	171
10 Grooves										
8.1" - 9.5"	9.6"	**10MVP815V95**	12 5/8"	-	-	-	-	x	-	120
9.1 - 10.5	10.6	**10MVP915V105**	12 5/8	-	-	-	-	x	-	148
10.1 - 11.5	11.6	**10MVP1015V115**	12 5/8	-	-	-	-	x	x	175
11.1 - 12.5	12.6	**10MVP1115V125**	12 5/8	-	-	-	-	x	x	205

Browning Finished Bore MVP Sheaves are furnished with standard keyseats and two hollow head setscrews. Pitch diameter is indefinitely adjustable within the pitch range; .233" change per turn of the adjusting ring.

Table No. 2
Standard Keyseats

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

1 3/8" bore bushings (except R2) also available with 3/8" x 3/16" keyseat.

For complete catalog dimensions see eCatalog at www.emerson-ept.com

5V Companion Sheaves

Stock Companion Sheaves for "5V" Belts

Table No. 1 **Specifications**

DIAMETERS		PART NUMBER		DIMENSIONS	Wt. Less Bush.
Pitch "5V" Belts	Out-side	Sheave	Bush-ing	O.L.	
3 Grooves , Face Width = 3 1/4"					
7.90"	8.00"	**3MV5V80R**	**R1**	3 25/32"	22.2
8.40	8.50	**3MV5V85R**	**R1**	3 25/32	26.2
8.90	9.00	**3MV5V90R**	**R1**	3 25/32	25.6
9.15	9.25	**3MV5V92R**	**R1**	3 25/32	27.6
9.65	9.75	**3MV5V97R**	**R1**	3 25/32	29.8
10.20	10.30	**3MV5V103R**	**R1**	3 25/32	32.2
10.80	10.90	**3MV5V109R**	**R1**	3 25/32	35.4
11.70	11.80	**3MV5V118R**	**R1**	3 25/32	38.9
12.40	12.50	**3MV5V125R**	**R1**	3 25/32	41.9
13.10	13.20	**3MV5V132R**	**R1**	3 25/32	34.9
13.90	14.00	**3MV5V140R**	**R1**	3 25/32	37.6
14.90	15.00	**3MV5V150R**	**R1**	3 25/32	41.6
15.90	16.00	**3MV5V160R**	**R1**	3 25/32	45.7
17.90	18.00	**3MV5V180R**	**R1**	3 25/32	51.5
19.90	20.00	**3MV5V200R**	**R1**	3 25/32	55.0
21.10	21.20	**3MV5V212S**	**S1**	4 3/4	90.5
23.90	24.00	**3MV5V240S**	**S1**	4 3/4	99.2
27.90	28.00	**3MV5V280S**	**S1**	4 3/4	110
29.90	30.00	**3MV5V300S**	**S1**	4 3/4	122
37.40	37.50	**3MV5V375U**	**U0**	5 13/32	179
43.90	44.00	**3MV5V440U**	**U0**	5 13/32	207
49.90	50.00	**3MV5V500U**	**U0**	5 13/32	233
4 Grooves , Face Width = 4 3/8"					
7.90"	8.00"	**4MV5V80R**	**R1**	4 3/8"	27.0
8.40	8.50	**4MV5V85R**	**R1**	4 3/8	30.9
8.90	9.00	**4MV5V90R**	**R1**	4 3/8	30.8
9.15	9.25	**4MV5V92R**	**R1**	4 3/8	33.5
9.65	9.75	**4MV5V97R**	**R1**	4 3/8	36.0
10.20	10.30	**4MV5V103R**	**R1**	4 3/8	38.0
10.80	10.90	**4MV5V109R**	**R1**	4 3/8	42.5
11.70	11.80	**4MV5V118R**	**R1**	4 3/8	46.1
12.40	12.50	**4MV5V125R**	**R1**	4 3/8	53.5
13.10	13.20	**4MV5V132R**	**R1**	4 3/8	42.9
13.90	14.00	**4MV5V140R**	**R1**	4 3/8	46.1
14.90	15.00	**4MV5V150R**	**R1**	4 3/8	50.7
15.90	16.00	**4MV5V160R**	**R1**	4 3/8	55.4
17.90	18.00	**4MV5V180R**	**R1**	4 3/8	64.2
19.90	20.00	**4MV5V200R**	**R1**	4 3/8	73.8
21.10	21.20	**4MV5V212S**	**S1**	5 9/32	104
23.90	24.00	**4MV5V240S**	**S1**	5 9/32	114
27.90	28.00	**4MV5V280S**	**S1**	5 9/32	140
29.90	30.00	**4MV5V300S**	**S1**	5 9/32	151
37.40	37.50	**4MV5V375U**	**U0**	5 23/32	209
43.90	44.00	**4MV5V440U**	**U0**	5 23/32	252
49.90	50.00	**4MV5V500U**	**U0**	5 23/32	306

5V
5/8" x 17/32"

Table No. 2
Bushing Bores

Bushing No.	Bore Range
R1	1 1/8" - 3 3/4"
S1	1 11/16 - 4 1/4
U0	2 3/8 - 5 1/2

Table No. 3
Standard Keyseats

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

1 3/8" bore bushings (except R2) also available with 3/8" x 3/16" keyseat.

5V Companion Sheaves

Stock Companion Sheaves for "5V" Belts

Table No. 1 **Specifications**

5V
5/8" x 17/32"

DIAMETERS		PART NUMBER		DIMENSIONS	Wt. Less Bush
Pitch "5V" Belts	Out-side	Sheave	Bush-ing	O.L.	
5 Grooves, Face Width = 5 1/2"					
7.90"	8.00"	**5MV5V80R**	**R2**	5 29/32"	41.0
8.40	8.50	**5MV5V85R**	**R2**	5 29/32	47.9
8.90	9.00	**5MV5V90R**	**R2**	5 29/32	44.2
9.15	9.25	**5MV5V92R**	**R2**	5 29/32	48.6
9.65	9.75	**5MV5V97R**	**R2**	5 29/32	51.6
10.20	10.30	**5MV5V103R**	**R2**	5 29/32	55.2
10.80	10.90	**5MV5V109R**	**R2**	5 29/32	60.0
11.70	11.80	**5MV5V118S**	**S1**	5 27/32	71.6
12.40	12.50	**5MV5V125S**	**S1**	5 27/32	79.2
13.10	13.20	**5MV5V132S**	**S1**	5 27/32	81.5
13.90	14.00	**5MV5V140S**	**S1**	5 27/32	73.6
14.90	15.00	**5MV5V150S**	**S1**	5 27/32	78.4
15.90	16.00	**5MV5V160S**	**S1**	5 27/32	83.5
17.90	18.00	**5MV5V180S**	**S1**	5 27/32	95.4
19.90	20.00	**5MV5V200S**	**S1**	5 27/32	105
21.10	21.20	**5MV5V212U**	**U0**	6 9/32	135
23.90	24.00	**5MV5V240U**	**U0**	6 9/32	151
27.90	28.00	**5MV5V280U**	**U0**	6 9/32	186
29.90	30.00	**5MV5V300U**	**U0**	6 9/32	199
37.40	37.50	**5MV5V375U**	**U0**	6 9/32	239
43.90	44.00	**5MV5V440U**	**U0**	6 9/32	250
49.90	50.00	**5MV5V500U**	**U0**	6 9/32	325
6 Grooves, Face Width = 6 5/8"					
7.90"	8.00"	**6MV5V80R**	**R2**	6 5/8"	45.5
8.40	8.50	**6MV5V85R**	**R2**	6 5/8	52.8
8.90	9.00	**6MV5V90R**	**R2**	6 5/8	53.7
9.15	9.25	**6MV5V92R**	**R2**	6 5/8	57.2
9.65	9.75	**6MV5V97R**	**R2**	6 5/8	60.4
10.20	10.30	**6MV5V103R**	**R2**	6 5/8	63.5
10.80	10.90	**6MV5V109R**	**R2**	6 5/8	67.1
11.70	11.80	**6MV5V118S**	**S1**	6 5/8	78.9
12.40	12.50	**6MV5V125S**	**S1**	6 5/8	107
13.10	13.20	**6MV5V132S**	**S1**	6 5/8	121
13.90	14.00	**6MV5V140S**	**S1**	6 5/8	137
14.90	15.00	**6MV5V150S**	**S1**	6 5/8	105
15.90	16.00	**6MV5V160S**	**S1**	6 5/8	115
17.90	18.00	**6MV5V180S**	**S2**	7 19/32	125
19.90	20.00	**6MV5V200S**	**S2**	7 19/32	140
21.10	21.20	**6MV5V212U**	**U0**	6 27/32	149
23.90	24.00	**6MV5V240U**	**U0**	6 27/32	163
27.90	28.00	**6MV5V280U**	**U0**	6 27/32	195
29.90	30.00	**6MV5V300U**	**U0**	6 27/32	208
37.40	37.50	**6MV5V375U**	**U1**	8 3/32	288
43.90	44.00	**6MV5V440U**	**U1**	8 3/32	342
49.90	50.00	**6MV5V500U**	**U1**	8 3/32	382

Table No. 2
Bushing Bores

Bushing No.	Bore Range
R2	1 3/8" - 3 5/8"
S1	1 11/16 - 4 1/4
S2	1 7/8 - 4 3/16
U0	2 3/8 - 5 1/2
U1	2 3/8 - 5 1/2

Table No. 3
Standard Keyseats

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

For complete catalog dimensions see eCatalog at www.emerson-ept.com

5V Companion Sheaves

Stock Companion Sheaves for "5V" Belts

Table No. 1 **Specifications**

DIAMETERS		PART NUMBER		DIMENSIONS	Wt. Less Bush
Pitch "5V" Belts	Out-side	Sheave	Bush-ing	O.L.	
8 Grooves, Face Width = 8 7/8"					
8.90	9.00	**8MV5V90S**	**S2**	8 7/8"	77
9.15	9.25	**8MV5V92S**	**S2**	8 7/8	84
9.65	9.75	**8MV5V97S**	**S2**	8 7/8	95
10.20	10.30	**8MV5V103S**	**S2**	8 7/8	109
10.80	10.90	**8MV5V109S**	**S2**	8 7/8	125
11.70	11.80	**8MV5V118S**	**S2**	8 7/8	148
12.40	12.50	**8MV5V125S**	**S2**	8 7/8	168
13.10	13.20	**8MV5V132S**	**S2**	8 7/8	190
13.90	14.00	**8MV5V140S**	**S2**	8 7/8	216
14.90	15.00	**8MV5V150S**	**S2**	8 7/8	150
15.90	16.00	**8MV5V160S**	**S2**	8 7/8	162
17.90	18.00	**8MV5V180S**	**S2**	8 7/8	152
19.90	20.00	**8MV5V200U**	**U0**	8 7/8	164
21.10	21.20	**8MV5V212U**	**U1**	9 7/32	208
23.90	24.00	**8MV5V240U**	**U1**	9 7/32	227
27.90	28.00	**8MV5V280U**	**U1**	9 7/32	273
29.90	30.00	**8MV5V300U**	**U1**	9 7/32	286
37.40	37.50	**8MV5V375U**	**U1**	9 7/32	358
43.90	44.00	**8MV5V440U**	**U1**	9 7/32	416
49.90	50.00	**8MV5V500U**	**U1**	9 7/32	481
10 Grooves, Face Width = 11 1/8"					
8.90	9.00	**10MV5V90S**	**S2**	11 1/8"	88
9.15	9.25	**10MV5V92S**	**S2**	11 1/8	95
9.65	9.75	**10MV5V97S**	**S2**	11 1/8	108
10.20	10.30	**10MV5V103S**	**S2**	11 1/8	122
10.80	10.90	**10MV5V109S**	**S2**	11 1/8	139
11.70	11.80	**10MV5V118S**	**S2**	11 1/8	163
12.40	12.50	**10MV5V125S**	**U1**	11 1/8	166
13.10	13.20	**10MV5V132S**	**U1**	11 1/8	189
13.90	14.00	**10MV5V140S**	**U1**	11 1/8	215
14.90	15.00	**10MV5V150S**	**U1**	11 1/8	251
15.90	16.00	**10MV5V160S**	**U1**	11 1/8	289
17.90	18.00	**10MV5V180S**	**U1**	11 1/8	222
19.90	20.00	**10MV5V200U**	**U1**	11 1/8	224
21.10	21.20	**10MV5V212U**	**U1**	11 1/8	232
23.90	24.00	**10MV5V240U**	**U1**	11 1/8	252
27.90	28.00	**10MV5V280U**	**U1**	11 1/8	304
29.90	30.00	**10MV5V300U**	**U1**	11 1/8	334
37.40	37.50	**10MV5V375U**	**U1**	11 1/8	413
43.90	44.00	**10MV5V440U**	**U1**	11 1/8	548
49.90	50.00	**10MV5V500U**	**U1**	11 1/8	687

5V
5/8" x 17/32"

Table No. 2
Bushing Bores

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

Table No. 3
Standard Keyseats

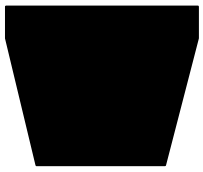
Bore Range	Keyseat	Bore Range	Keyseat
1 7/8" - 2 1/4"	1/2" x 1/4"	3 3/8" - 3 3/4	7/8" x 7/16"
2 5/16 - 2 3/4	5/8 x 5/16	3 7/8 - 4 1/2	1 x 1/2
2 13/16 - 3 1/4	3/4 x 3/8	4 5/8 - 5 1/2	1 1/4 x 5/8

8V Variable Speed Sheaves

Finished Bore MVP® Sheaves for "8V" Belts
Made-To-Order

U. S. Patent Number 5,304,098 - Patent Expires October 2012

Dynamically Balanced



8V
1" x 29/32"

Table No. 1 **Specifications**

DIAMETERS		PART NUMBER	DIMENSIONS	Wt. Lbs
Pitch Range "8V" Belts	Out-side		O.L.	
3 Grooves				
13.2 " - 15.2"	15.4"	**3MVP1328V152**	7 11/16"	150
15.2 - 17.2	17.4	**3MVP1528V172**	7 11/16	210
4 Grooves				
13.2 - 15.2	15.4	**4MVP1328V152**	9 1/2	205
15.2 - 17.2	17.4	**4MVP1528V172**	9 1/2	255
5 Grooves				
13.2 - 15.2	15.4	**5MVP1328V152**	11 5/16	245
15.2 - 17.2	17.4	**5MVP1528V172**	11 5/16	312
6 Grooves				
13.2 - 15.2	15.4	**6MVP1328V152**	13 1/8	280
15.2 - 17.2	17.4	**6MVP1528V172**	13 1/8	360
8 Grooves				
13.2 - 15.2	15.4	**8MVP1328V152**	16 3/4	350
15.2 - 17.2	17.4	**8MVP1528V172**	16 3/4	465
10 Grooves				
13.2 - 15.2	15.4	**10MVP1328V152**	20 3/8	430
15.2 - 17.2	17.4	**10MVP1528V172**	20 3/8	570

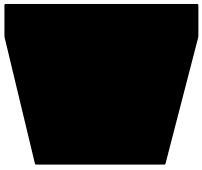
Browing MVP Sheaves for ""8V"" Belts can be furnished with finished bores up to and including 4 3/4". All have standard keyseats and two hollow head setscrews. These sheaves are not carried in stock but assembled-to-order.

Pitch diameter is infinitely adjustable within the pitch range, .233" change per turn of adjusting ring.

For complete catalog dimensions see eCatalog at www.emerson-ept.com

8V Companion Sheaves

Standard Companion Sheaves for "8V" Belts
Made-To-Order



8V
1" x 29/32"

Table No. 1 Specifications

DIAMETERS		PART NUMBER		DIMENSIONS	Wt. Less Bush
Pitch "8V" Belts	Out-side	Sheave	Bush-ing	O.L.	
3 Grooves, Face Width = 5 1/8"					
13.0"	13.2"	**3MV8V132S**	**S1**	5 1/2"	119
13.8	14.0	**3MV8V140S**	**S1**	5 1/2	136
14.8	15.0	**3MV8V150S**	**S1**	5 1/2	127
15.8	16.0	**3MV8V160S**	**S1**	5 1/2	130
16.8	17.0	**3MV8V170S**	**S1**	5 1/2	141
17.8	18.0	**3MV8V180S**	**S1**	5 1/2	152
18.8	19.0	**3MV8V190S**	**S1**	5 1/2	164
19.8	20.0	**3MV8V200S**	**S1**	5 1/2	176
21.0	21.2	**3MV8V212S**	**S1**	5 1/2	190
22.2	22.4	**3MV8V224U**	**U0**	6 3/32	185
29.8	30.0	**3MV8V300U**	**U0**	6 3/32	243
39.8	40.0	**3MV8V400U**	**U0**	6 3/32	333
47.8	48.0	**3MV8V480U**	**U0**	6 3/32	398
52.8	**53.0**	**3MV8V530U**	**U0**	**6 3/32**	**509**
4 Grooves, Face Width = 6 15/16"					
13.0"	13.2"	**4MV8V132S**	**S1**	6 15/16"	142
13.8	14.0	**4MV8V140S**	**S1**	6 15/16	160
14.8	15.0	**4MV8V150S**	**S1**	6 15/16	153
15.8	16.0	**4MV8V160S**	**S1**	6 15/16	158
16.8	17.0	**4MV8V170S**	**S1**	6 15/16	171
17.8	18.0	**4MV8V180S**	**S1**	6 15/16	184
18.8	19.0	**4MV8V190S**	**S1**	6 15/16	198
19.8	20.0	**4MV8V200S**	**S1**	6 15/16	213
21.0	21.2	**4MV8V212S**	**S1**	6 15/16	228
22.2	22.4	**4MV8V224U**	**U0**	7	226
29.8	30.0	**4MV8V300U**	**U0**	7	298
39.8	40.0	**4MV8V400U**	**U0**	7	408
47.8	48.0	**4MV8V480U**	**U0**	7	490
52.8	53.0	**4MV8V530U**	**U0**	7	619
5 Grooves, Face Width = 8 3/4"					
13.0"	13.2"	**5MV8V132S**	**S2**	8 3/4"	164
13.8	14.0	**5MV8V140S**	**S2**	8 3/4	185
14.8	15.0	**5MV8V150S**	**S2**	8 3/4	192
15.8	16.0	**5MV8V160S**	**S2**	8 3/4	197
16.8	17.0	**5MV8V170U**	**U1**	8 3/4	278
17.8	18.0	**5MV8V180U**	**U1**	8 3/4	279
18.8	19.0	**5MV8V190U**	**U1**	8 3/4	270
19.8	20.0	**5MV8V200U**	**U1**	8 3/4	287
21.0	21.2	**5MV8V212U**	**U1**	8 3/4	304
22.2	22.4	**5MV8V224U**	**U1**	9 5/32	292
29.8	30.0	**5MV8V300U**	**U1**	9 5/32	378
39.8	40.0	**5MV8V400W**	**W1**	10	550
47.8	48.0	**5MV8V480W**	**W1**	10	712
52.8	53.0	**5MV8V530W**	**W1**	10	830

Table No. 2
Bushing Bores

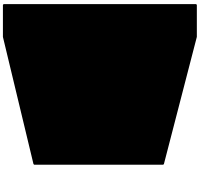
Bushing No.	Bore Range
S1	1 11/16" - 4 1/4"
S2	1 7/8 - 4 3/16
U0	2 3/8 - 5 1/2
U1	2 3/8 - 5 1/2
W1	3 3/8 - 7 7/16

Table No. 3
Standard Keyseats

Bore Range	Keyseat
1 11/16" - 1 3/4"	3/8" x 3/16"
1 7/8 - 2 1/4	1/2 x 1/4
2 5/16 - 2 3/4	5/8 x 5/16
2 13/16 - 3 1/4	3/4 x 3/8
3 3/8 - 3 3/4	7/8 x 7/16
3 7/8 - 4 1/2	1 x 1/2
4 5/8 - 5 1/2	1 1/4 x 5/8
5 5/8 - 6 1/2	1 1/2 x 3/4
6 5/8 - 7 7/16	1 3/4 x 5/8

8V Companion Sheaves

Standard Companion Sheaves for "8V" Belts Made-To-Order



8V
1" x 29/32"

Table No. 1 **Specifications**

DIAMETERS		PART NUMBER		DIMENSIONS	Wt. Less Bush
Pitch "8V" Belts	Out-side	Sheave	Bush-ing	O.L.	
6 Grooves, Face Width = 10 9/16"					
13.0"	13.2"	**6MV8V132S**	**U1**	10 9/16"	210
13.8	14.0	**6MV8V140S**	**U1**	10 9/16	239
14.8	15.0	**6MV8V150S**	**U1**	10 9/16	277
15.8	16.0	**6MV8V160S**	**U1**	10 9/16	318
16.8	17.0	**6MV8V170S**	**U1**	10 9/16	309
17.8	18.0	**6MV8V180S**	**U1**	10 9/16	312
18.8	19.0	**6MV8V190S**	**U1**	10 9/16	305
19.8	20.0	**6MV8V200S**	**U1**	10 9/16	323
21.0	21.2	**6MV8V212S**	**U1**	10 9/16	342
22.2	22.4	**6MV8V224U**	**U1**	10 9/16	321
29.8	30.0	**6MV8V300U**	**U1**	10 9/16	434
39.8	40.0	**6MV8V400U**	**W1**	10 29/32	626
47.8	48.0	**6MV8V480U**	**W1**	10 29/32	743
52.8	53.0	**6MV8V530U**	**W1**	10 29/32	940
8 Grooves, Face Width = 14 3/16"					
13.0"	13.2"	**8MV8V132S**	**U2**	14 3/16"	279
13.8	14.0	**8MV8V140S**	**U2**	14 3/16	340
14.8	15.0	**8MV8V150S**	**U2**	14 3/16	397
15.8	16.0	**8MV8V160S**	**U2**	14 3/16	456
16.8	17.0	**8MV8V170S**	**U2**	14 3/16	468
17.8	18.0	**8MV8V180S**	**U2**	14 3/16	493
18.8	19.0	**8MV8V190S**	**U2**	14 3/16	508
19.8	20.0	**8MV8V200S**	**U2**	14 3/16	512
21.0	21.2	**8MV8V212S**	**U2**	14 3/16	505
22.2	22.4	**8MV8V224U**	**U2**	14 3/16	464
29.8	30.0	**8MV8V300U**	**U2**	14 3/16	602
39.8	40.0	**8MV8V400U**	**W2**	14 7/32	902
47.8	48.0	**8MV8V480U**	**W2**	14 7/32	1172
52.8	53.0	**8MV8V530U**	**W2**	14 7/32	1367
10 Grooves, Face Width = 17 3/16"					
13.0"	13.2"	**10MV8V132S**	**U2**	17 13/16"	342
13.8	14.0	**10MV8V140S**	**U2**	17 13/16	389
14.8	15.0	**10MV8V150S**	**U2**	17 13/16	449
15.8	16.0	**10MV8V160S**	**U2**	17 13/16	513
16.8	17.0	**10MV8V170U**	**U2**	17 13/16	528
17.8	18.0	**10MV8V180U**	**U2**	17 13/16	558
18.8	19.0	**10MV8V190U**	**U2**	17 13/16	577
19.8	20.0	**10MV8V200U**	**U2**	17 13/16	585
21.0	21.2	**10MV8V212U**	**U2**	17 13/16	581
22.2	22.4	**10MV8V224U**	**U2**	17 13/16	546
29.8	30.0	**10MV8V300U**	**W2**	17 13/16	781
39.8	40.0	**10MV8V400W**	**W2**	17 13/16	1053
47.8	48.0	**10MV8V480W**	**W2**	17 13/16	1258
52.8	53.0	**10MV8V530W**	**W2**	17 13/16	1680

Table No. 2
Bushing Bores

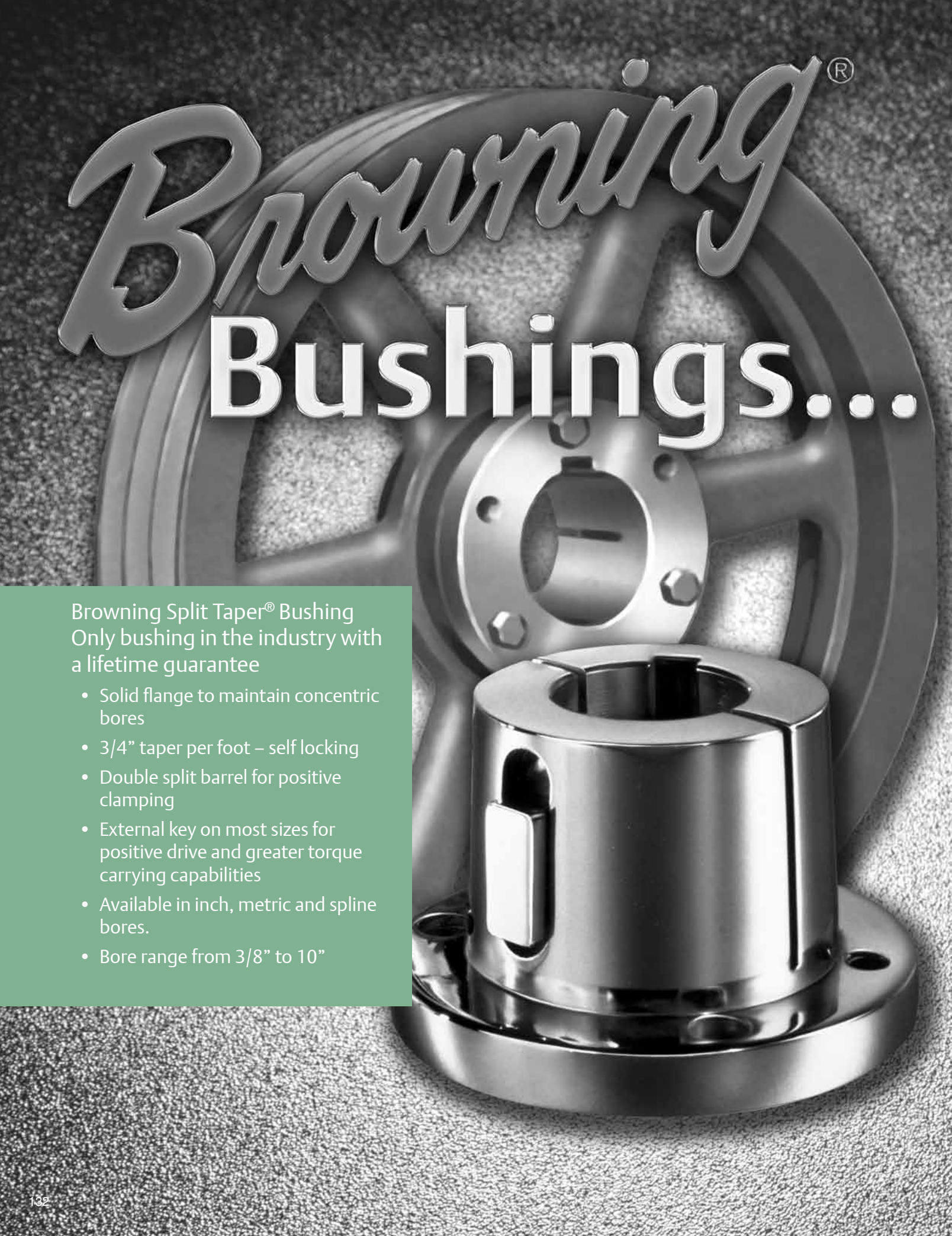
Bushing No.	Bore Range
U1	2 3/8" - 5 1/2"
U2	2 7/16 - 5
W1	3 3/8 - 7 7/16
W2	3 3/8 - 7 7/16

Table No. 3
Standard Keyseats

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

For complete catalog dimensions see eCatalog at www.emerson-ept.com

Browning® Bushings...



Browning Split Taper® Bushing Only bushing in the industry with a lifetime guarantee

- Solid flange to maintain concentric bores
- 3/4” taper per foot – self locking
- Double split barrel for positive clamping
- External key on most sizes for positive drive and greater torque carrying capabilities
- Available in inch, metric and spline bores.
- Bore range from 3/8” to 10”

Browning Split Taper®, Q-D®... The Broadest Range of Bushing Systems From a Single Source

Along with the proven Browning Split Taper Bushing, Q-D bushing systems are available. Depending on your drive requirements, select from any of these bushing systems, to obtain the most effective combination of components, or choose your own preferred bushing type.

Browning multiple groove sheave with split taper bushing

Browning Split Taper Bushings

- Lifetime guarantee
- Keyed to both shaft and hub. External key provides positive drive with no torque on the cap screws.
- Highest torque carrying capacity.
- Double split barrel assures true concentricity - grips the shaft with positive clamp fit.
- Standard Sizes - 3/8" - 10" bore sizes.
- Metric Sizes - 10mm - 95mm bore sizes.
- Spline Bore - 5/8" - 1 3/8", 6B and 10B, 10 and 21 involute.

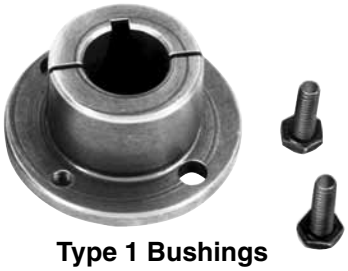
Browning Q-D Bushings

- Standard Sizes - 1/2" - 7" bore range.
- Metric Sizes - 24mm - 100mm bore range.
- For use with Browning sheaves, sprockets and pulleys; fully interchangeable with competitive Q-D bushings.

Split taper bushing

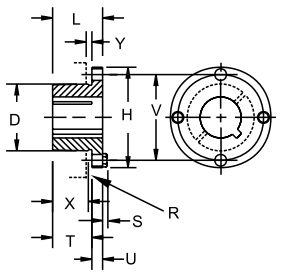
Q-D bushing

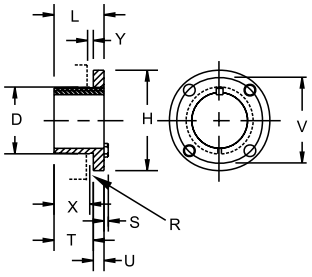
Split Taper Bushings



Type 1 Bushings

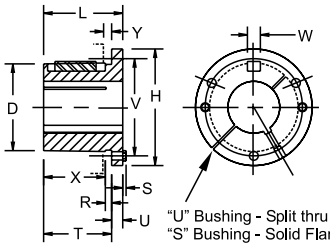
Type 2 Bushings

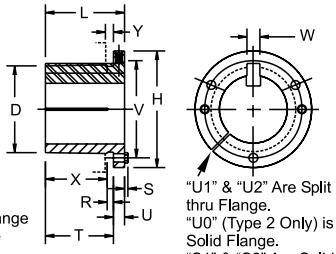




"G" & "H" BUSHINGS

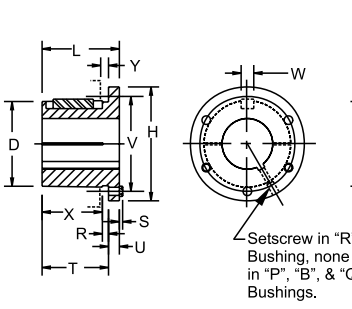
TYPE 1 **TYPE 2**

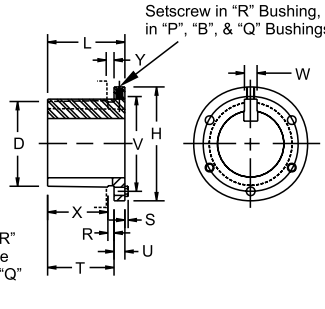




"S" & "U" BUSHINGS

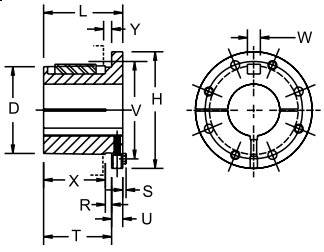
TYPE 1 **TYPE 2**

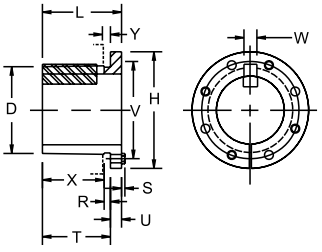




"P", "B", "Q", & "R" BUSHINGS

TYPE 1 **TYPE 2**





"W" & "Y" BUSHINGS

TYPE 1 **TYPE 2**

Table No. 1 Bushing Specifications

Part No	Dimensions												Bore Range		Cap Screws		Av. Wt. Lbs.	Wrench Torque In-Lbs.
	L	U	T	D Large End	D Small End	H	V	W	X	Y	R	S	Type 1	Type 2	No.	Size		
G	1"	1/4"	3/4"	1.172"	1.133"	2"	19/16"	-	5/8"	3/16"	1/8"	3/16"	3/8" - 15/16"	1"	2	1/4 x 5/8"	.5	95
H	1 1/4	1/4	1	1.625	1.570	2 1/2	2	-	7/8	3/16	1/8	3/16	3/8-1 3/8	1 7/16-1 1/2	2	1/4 x 3/4	.8	95
P1	1 15/16	13/32	1 17/32	1.9375	108555	3	27/16	3/8"	15/16	7/32	7/32	1/4	1/2 - 1 7/16	1 1/2 - 1 3/4	3	5/16 x 1	1.3	192
P2	2 15/16	13/32	2 17/32	1.9375	1.7930	3	27/16	3/8	2 5/16	7/32	7/32	1/4	3/4 - 1 7/16	1 1/2 - 1 3/4	3	5/16 x 1	1.5	192
P3	4 7/16	13/32	4 1/32	1.9375	1.6993	3	27/16	3/8	3 13/16	7/32	7/32	1/4	1 1/8- 13/8	1 5/8	3	5/16 x 1	2	192
B	1 15/16	1/2	17/16	2.625	2.5567	311/16	31/8	1/2	13/16	7/32	1/4	1/4	1/2- 1 15/16	2 - 2 7/16	3	5/16 x 1 1/4	1.8	192
Q1	2 1/2	17/32	131/32	2.875	2.7657	41/8	33/8	1/2	13/4	7/32	7/32	9/32	3/4- 2 1/16	2 1/8 - 2 11/16	3	3/8 x 1 1/4	3.5	348
Q2	3 1/2	17/32	2 31/32	2.875	2.7032	41/8	33/8	1/2	23/4	7/32	7/32	9/32	1 - 2 1/16	2 1/8 - 2 5/8	3	3/8 x 1 1/4	4.5	348
Q3	5	17/32	4 15/32	2.875	2.6094	41/8	33/8	1/2	4 1/4	7/32	7/32	9/32	1 3/8 - 1/16	2 1/8 -2 1/2	3	3/8 x 1 3/4	5.5	348
R1	2 7/8	5/8	2 1/4	2.875	3.8750	53/8	45/8	3/4	2	1/4	1/4	9/32	1 1/8 - 2 13/16	2 7/8 - 3 3/4	3	3/8 x 1 3/4	7.5	348
R2	4 7/8	5/8	4 1/4	4.000	3.7500	53/8	45/8	3/4	4	1/4	1/4	9/32	1 3/8 - 2 13/16	2 7/8 - 3 5/8	3	3/8 x 1 3/4	11	348
S1	4 3/8	3/4	3 5/8	4.000	4.4180	63/8	53/8	3/4	3 5/16	5/16	5/16	3/8	1 11/16 - 3 3/16	3 1/4 - 4 1/4	3	1/2 x 2 1/4	13.5	840
S2	6 3/4	3/4	6	4.625	4.2696	63/8	53/8	3/4	5 11/16	5/16	5/16	3/8	1 7/16 - 3 3/16	3 1/4 - 4 3/16	3	1/2 x 2 1/4	19	840
U0	4 15/16	3/4	4 3/16	6.000	5.7656	83/8	7	1 1/4	3 3/4	7/16	7/16	15/32	2 3/8 - 4 1/4	4 3/8 - 5 1/2	3	5/8 x 2 3/4	27	1680
U1	7 1/8	11/16	6 1/16	6.000	5.6485	83/8	7	1 1/4	5 5/8	7/16	7/16	15/32	2 3/8 - 4 1/4	4 3/8 - 5 1/2	3	5/8 x 2 3/4	40	1680
U2	10 1/8	11/16	9 1/16	6.000	5.4610	83/8	7	1 1/4	8 5/8	7/16	7/16	15/32	2 7/16- 4 1/4	4 3/8 - 5	3	5/8 x 2 3/4	50	1680
W1	8 1/4	17/16	6 13/16	6.000	8.1016	121/2	10	1 1/4	6 3/8	7/16	7/16	9/16	3 3/8 - 6 3/16	6 1/4 - 7 7/16	4	3/4 x 3	104	3000
W2	11 1/4	17/16	9 13/16	8.500	7.9141	121/2	10	1 1/4	9 3/8	7/16	7/16	9/16	3 3/8 - 6 3/16	6 1/4 - 7 7/16	4	3/4 x 3	133	3000
Y0*	11 1/8	2	9 1/8	8.500	11.4688	161/2	141/2	2	8 1/2	5/8	5/8	5/8	6 - 7 15/16	8 -0	4	1 x 5	270	7200

R1 - 1 1/8, R1 1 3/16, R2 1 3/8, S1 1 11/16, S1 1 3/4 and S2 1 7/8" to 2 1/8" Bushings are steel. U0 and U1 2 3/8" to 3 3/16" and U2 2 7/16" to 3 3/16" are cast iron. "W" and "Y" Bushings are cast iron. All other Bushings on this page are either sintered steel, malleable iron or ductile iron.
Contact Factory for clarification. *Y Bushings are made-to-order.
Note: Taper on all Browning Split Bushings is 3/4 " per foot on diameter.

Browning Split Taper® Bushings

Complete Round Shaft Coverage Plus Millimeter and Spline Bores

Table No. 1 Stock Inch Bore Bushings

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

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

		R1	R2	S1	S2	U0	U1	U2	W1	W2
3 3/8	7/8 x 7/16	X	X	X	X	X	X	X	X	X
3 7/16	7/8 x 7/16	X	X	X	X	X	X	X	X	X
3 1/2	7/8 x 7/16	X	X	X	X	X	X	X	X	X
3 5/8	7/8 x 7/16	X	X	X	X	X	X	X	X	X
3 11/16	7/8 x 7/16	X	-	X	X	X	X	X	X	X
3 3/4	7/8 x 7/16	X	-	X	X	X	X	X	X	X
3 7/8	1 x 1/2	-	-	X	X	X	X	X	X	X
3 15/16	1 x 1/2	-	-	X	X	X	X	X	X	X
4	1 x 1/2	-	-	X	X	X	X	X	X	X
4 1/8	1 x 1/2	-	-	X	X	X	X	X	X	X
4 3/26	1 x 1/2	-	-	X	X	X	X	X	X	X
4 1/4	1 x 1/2	-	-	X	-	X	X	X	X	X
4 3/8	1 x 1/2	-	-	-	-	X	X	X	X	X
4 7/16	1 x 1/2	-	-	-	-	X	X	X	X	X
4 1/2	1 x 1/2	-	-	-	-	X	X	X	X	X
4 5/8	1 1/4 x 5/8	-	-	-	-	X	X	X	X	X
4 11/16	1 1/4 x 5/8	-	-	-	-	X	X	X	-	-
4 3/4	1 1/4 x 5/8	-	-	-	-	X	X	X	X	X
4 7/8	1 1/4 x 5/8	-	-	-	-	X	X	X	X	X
4 15/16	1 1/4 x 5/8	-	-	-	-	X	X	X	X	X
5	1 1/4 x 5/8	-	-	-	-	X	X	X	X	X

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

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

* These sizes have a shallow keyseat. Special keys are furnished to fit standard depth keyseats in shafts.

Table No. 1 (Cont'd.)

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

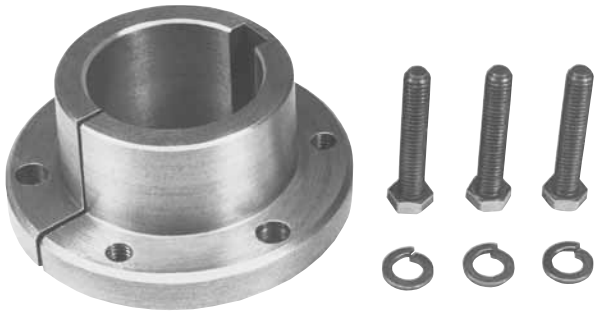
Table No. 2 Stock Millimeter Bore Bushings

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

Table No. 3 Stock Spline Bore Bushings

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

Q-D® Bushings



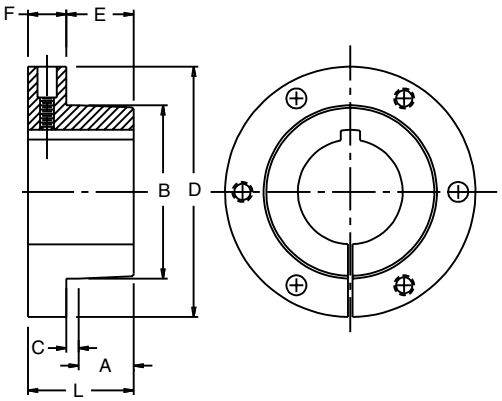
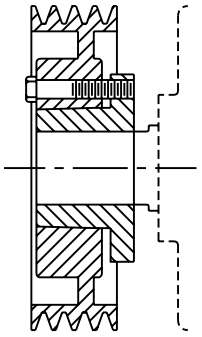


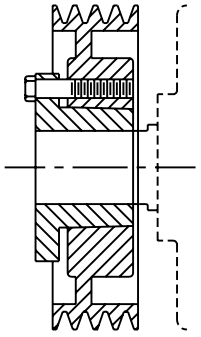
Table No. 1 Bushing Specifications

Bushing	Bore Range	Dimensions							Cap Screws			Torque Capacity In.-Lbs.	Wrench Torque Ft.-Lbs.	Average Weight Lbs.
		D	L	A	B	C	E	F	No.	Size	Bolt Circle			
JA	1/2" - 1 1/4"	2"	1"	1/2"	1.375"	3/16"	11/16"	5/16"	3	10 - 24 x 1	1 21/32"	1000	6	.8
SH	1/2 - 1 5/8	2 11/16	15/16	21/32	1.871	7/32	7/8	7/16	3	1/4 - 20 x 1 3/8	2 1/4	3500	9	1.0
SDS	1/2 - 2	3 1/8	15/16	21/32	2.1875	7/32	7/8	7/16	3	1/4 - 20 x 1 3/8	2 11/16	5000	9	1.2
SDS	1/2 - 2	3 1/8	1 13/16	1 5/32	2.1875	7/32	1 3/8	7/16	3	1/4 - 2- x 1 7/8	2 11/16	5000	9	1.5
SK	1/2 - 2 5/8	3 7/8	1 15/16	1 5/32	2.8125	7/32	1 3/8	9/16	3	5/16 - 18 x 2	3 5/16	7000	15	2.0
SF	1/2 - 2 15/16	4 5/8	2 1/16	1 7/32	3.125	7/32	1 7/16	5/8	3	3/8 - 16 x 2	3 7/8	11000	30	3.5
E	7/8 - 3 1/2	6	2 3/4	1 19/32	3.834	9/32	1 7/8	7/8	3	1/2 - 13 x 2 3/4	5	20000	60	9.0
F	1 - 4	6 5/8	3 3/4	2 13/32	4.4375	11/32	2 3/4	1	3	9/16 - 12 x 3 5/8	5 5/8	30000	75	14
J	1 1/2 - 4 1/2	7 1/4	4 5/8	3 3/16	5.1484	5/16	3 1/2	1 1/8	3	5/8 - 11 x 4 1/2	6 1/4	45000	135	22
M	2 - 5 1/2	9	6 3/4	5 5/32	6.494	11/32	5 1/2	1 1/4	4	3/4 - 10 x 6 3/4	7 7/8	85000	225	51
N	2 7/16 - 5 7/8	10	8 1/8	6 1/16	6.992	9/16	6 5/8	1 1/2	4	7/8 - 9x 8	8 1/2	150000	300	66
P	2 15/16 - 7	1 13/4	9 3/8	7	8.242	5/8	7 5/8	1 3/4	4	1 - 8 x 9 1/2	10	250000	450	122

Note: All Bushings shown except JA have setscrew over keyway.



Mount Either Way



Bushing Flange Toward Machine or Motor

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

To Remove

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

Bushing Flange Away From Machine or Motor

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

To Remove

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

Capscrews are always accessible from the outside.

Q-D® Bushings

Table No. 1 Stock Inch Bore Bushings

Stock Bores	Keyseat	JA	SH	SDS	SD	SK	SF	E	F	J
1/2	1/8 x 1/16	X	X	X	X	X	X	—	—	—
9/16	1/8 x 1/16	X	X	X	X	X	X	—	—	—
5/8	3/16 x 3/32	X	X	X	X	X	X	—	—	—
1/16	3/16 x 3/32	X	X	X	X	X	X	—	—	—
3/4	3/16 x 3/32	X	X	X	X	X	X	—	—	—
13/16	3/16 x 3/32	X	X	X	X	X	X	—	—	—
7/8	3/16 x 3/32	X	X	X	X	X	X	X	—	—
15/16	1/4 x 1/8	X	X	X	X	X	X	X	—	—
1	1/4 x 1/8	X	X	X	X	X	X	X	X	—
1 1/16	1/4 x 1/8	S	X	X	X	X	X	X	X	—
1 1/8	1/4 x 1/8	S	X	X	X	X	X	X	X	—
1 3/16	1/4 x 1/8	S	X	X	X	X	X	X	X	—
1 1/4	1/4 x 1/8	—	X	X	X	X	X	X	X	—
1 5/16	5/16 x 5/32	—	X	X	X	X	X	X	X	—
1 15/16*	3/8 x 3/16	—	X	X	X	X	X	X	X	—
1 3/8	5/16 x 5/32	—	X	X	X	X	X	X	X	—
1 3/8*	3/8 x 3/16	—	X	X	X	X	X	X	X	—
1 7/16	3/8 x 3/16	—	S	X	X	X	X	X	X	—
1 1/12	3/8 x 3/16	—	S	X	X	X	X	X	X	X
1 9/16	3/8 x 3/16	—	S	X	X	X	X	X	X	X
1 5/8	3/8 x 3/16	—	S	X	X	X	X	X	X	X
1 11/16	3/8 x 3/16	—	—	S	S	X	X	X	X	X

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

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

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

Table No. 1 (Cont'd.)

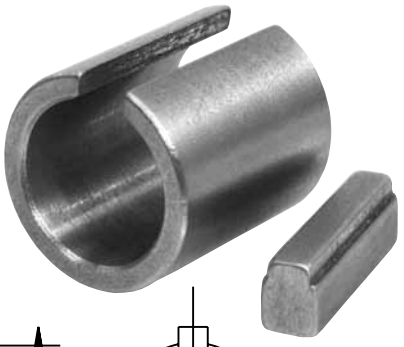
Stock Bores	Keyseat	N	P
5 9/16	1 1/2 x 3/4	S	X
5 5/8	1 1/2 x 3/4	S	X
5 11/16	1 1/2 x 3/4	S	X
5 3/4	1 1/2 x 3/4	S	X
5 13/16	1 1/2 x 3/4	S	X
5 7/8	1 1/2 x 3/4	S	S
5 15/16	1 1/2 x 3/4	—	S
6	1 1/2 x 3/4	—	S
6 1/16	1 1/2 x 3/4	—	S
6 1/8	1 1/2 x 3/4	—	S
6 3/16	1 1/2 x 3/4	—	S
6 1/4	1 1/2 x 3/4	—	S
6 5/16	1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

Table No. 2 Stock Millimeter Bore Bushings

Stock Bores	Keyseat (Millimeters)	SH	SDS	SD	SK	SF	E	F	J
24	8 x 3.5	X	X	X	X	—	—	—	—
25	8 x 3.5	X	X	X	X	—	—	—	—
28	8 x 3.5	X	X	X	X	X	—	—	—
30	8 x 3.5	X	X	X	X	X	—	—	—
32	10 x 4	X	X	X	X	X	—	—	—
35	10 x 4	X	X	X	X	X	—	—	—
38	10 x 4	—	X	X	X	X	X	—	—
40	12 x 4	—	X	X	X	X	X	—	—
42	12 x 4	—	X	X	X	X	X	—	—
45	14 x 4.5	—	—	—	—	X	X	X	—
48	14 x 4.5	—	X	—	X	X	X	X	—
50	14 x 4.5	—	—	—	X	X	X	X	X
55	16 x 5	—	—	—	X	X	X	X	X
60	18 x 5.5	—	—	—	—	X	X	X	X
65	18 x 5.5	—	—	—	—	—	X	X	X
70	20 x 6	—	—	—	—	—	X	X	X
75	20 x 6	—	—	—	—	—	X	X	X
80	22 x 7	—	—	—	—	—	—	X	X
85	22 x 7	—	—	—	—	—	—	X	X
90	25 x 7	—	—	—	—	—	—	X	X
95	25 x7	—	—	—	—	—	—	—	X
100	28 x8	—	—	—	—	—	—	—	X

* Bushings with 5/16 x 5/32" keyway will be shipped unless the 3/8 x 3/16 keyway is specified on the order.
X = Stock bore with standard keyway.
N = Stock bore with no keyway.
S = Stock bore with shallow keyway; rectangular key is furnished to fit standard keyseat.

FHP and FHPK Bushings
Increase Applications of Finished Bore Items!



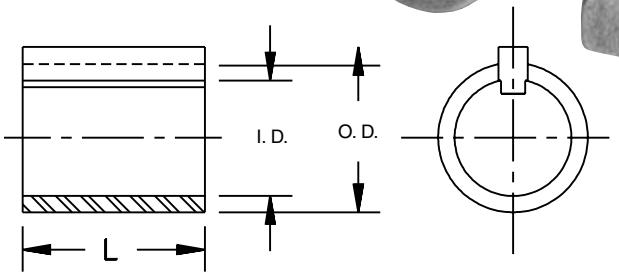


Table No. 1 Bushing Specifications

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

"FHPK" Bushings are furnished complete with keys and are packaged 5 pieces per carton.
Note: These bushings are held in place by fit and friction only.

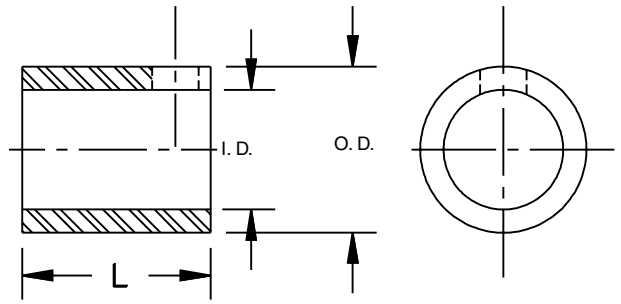
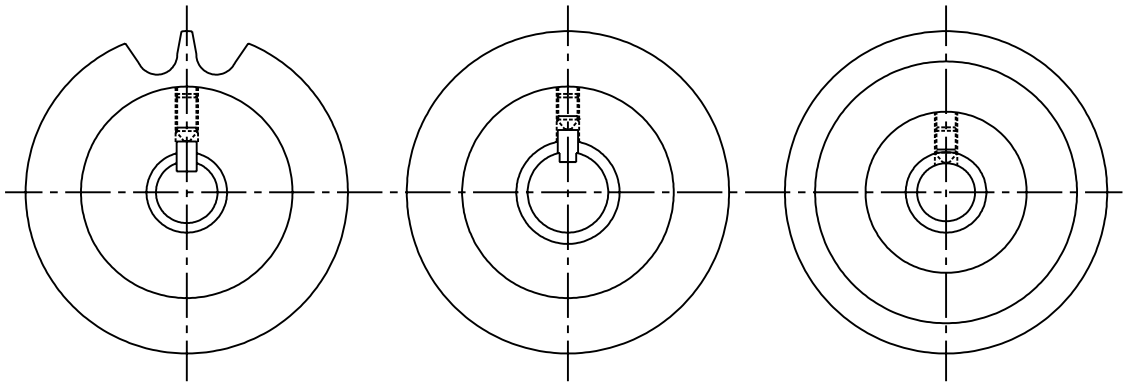


Table No. 2 FHP Bushings

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

"FHP" Bushings are furnished without keys or keyseats and should be used only on low torque applications. They are packaged 3 pieces per carton.

Typical Applications



Sprocket with 1/4" bore, 3/16 x 3/32 keyway, reduced to 5/8 bore with FHP3K bushing and 3/16 x 1/4 key. Key is furnished with bushing.

Gear with 1" bore, 1/4 x 1/8 keyway, reduced to 3/4 bore with FHP4K bushing and 1/4 x 1/4 - 3/16 x 3/32 key. Key is furnished with bushing.

FHP Sheave with 3/4" bore reduced to 1/2" bore with FHP1 bushing.
Note: Setscrew extends through hole in bushing to shaft.

HG1 - HW1

Weldable Steel Hubs

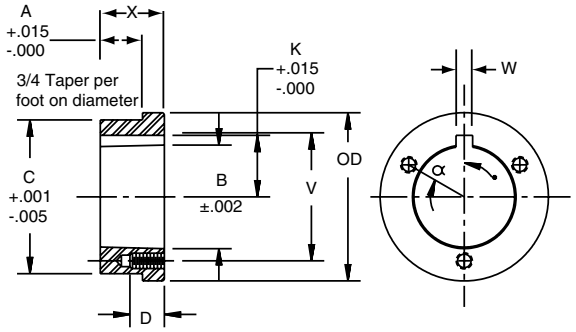


Table No. 1 **Steel Hubs for Browning Split Taper® Bushings**

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

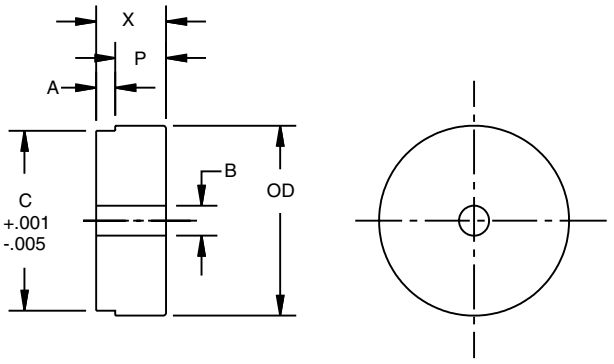


Table No. 2 **Type "B" Steel Hubs**

Part No.	Dimensions					Bore		Wt.
	O.D.	A	C	P	X	Stock	Max.	Lbs.
HB40	3"	.281"	2.875"	27/32"	1 1/8"	1/2"	1 7/8"	2.3
HB50	3.25	3.44	3.125	1 1/32	1 3/8	5/8	2 1/4	3.0
HB60	4	.469	3.875	1 1/32	1 1/2	5/8	2 3/8	5.0
HB80	5	.563	4.875	1 1/2	2 1/16	3/4	3	11.1
HB100	5.25	.688	5.125	2 1/16	2 3/4	1	3 1/4	16.3

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

Browning® Bearings...

Mounted Ball Bearings

- Air handling housing fits available from stock
- Semi-solid cast iron base
- Anti-rotation rivet

Mounted Roller Bearings - Spherical

- Standard with Multi-Trap® seals
- Self-aligning double-row spherical bearings
- One-piece cast iron (1000 series) or ductile iron (1100 series) housings

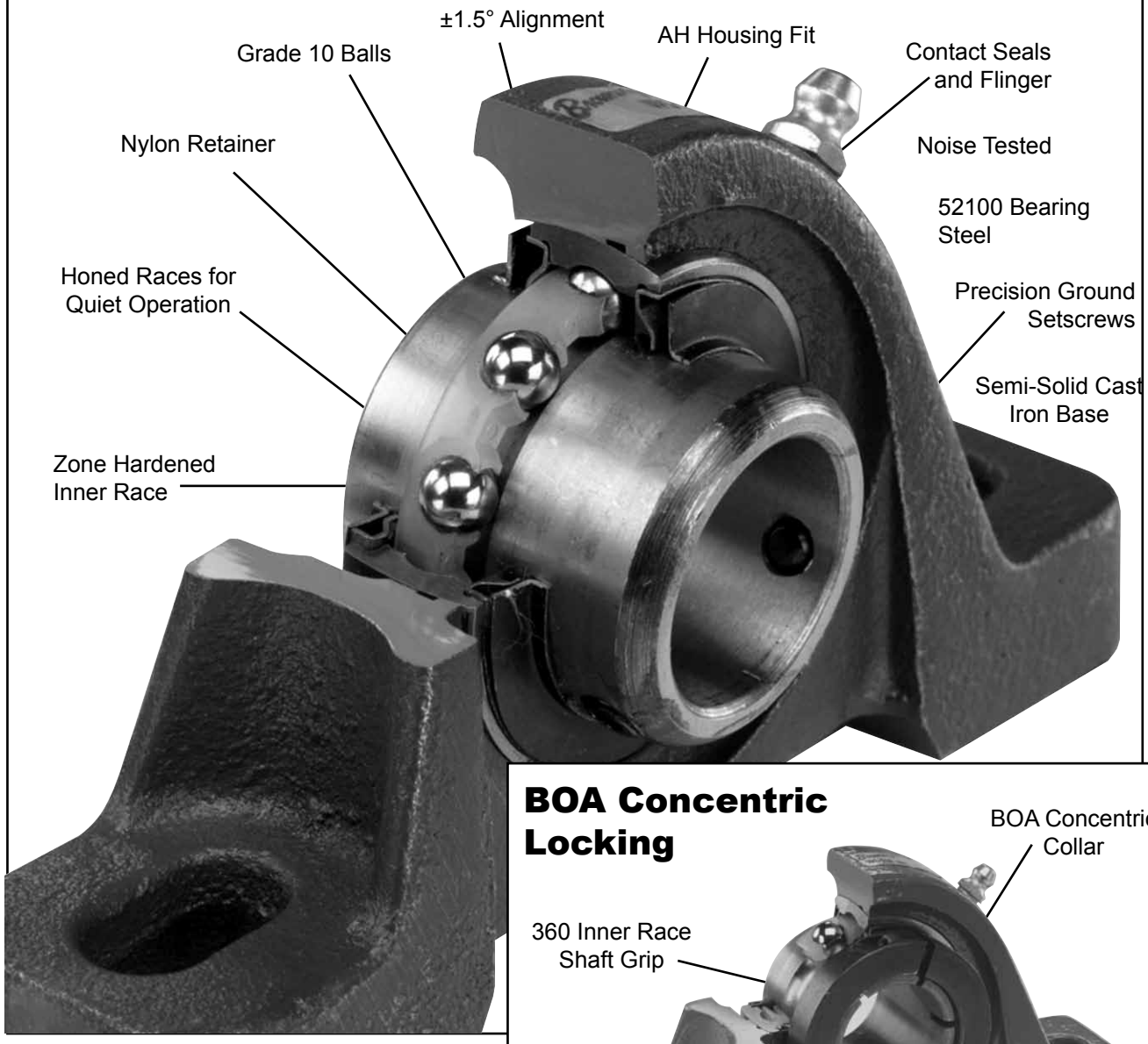
Stamped Steel/Rubber mounted

- Designed to fit into HVAC web-mount supports

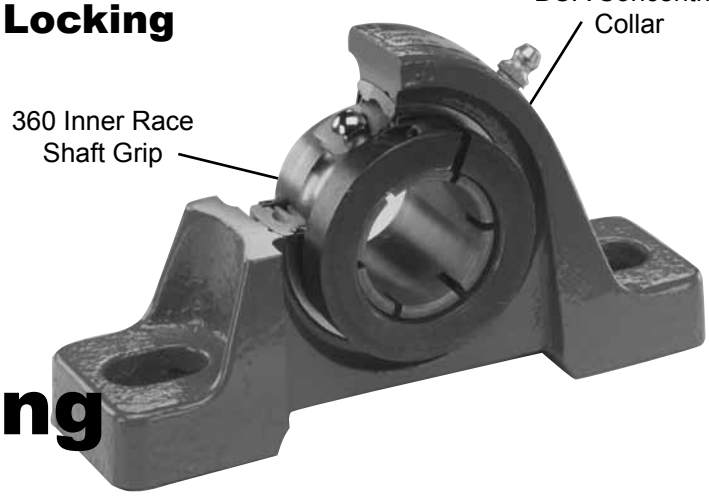

Browning
Browning

Browning®

Setscrew Locking



BOA Concentric Locking



Reduced Vibration and Quieter Operation

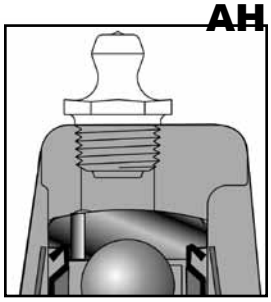
Browning AH Air Handling Ball Bearings

Features/Benefits

Browning AH Air Handling Ball Bearings

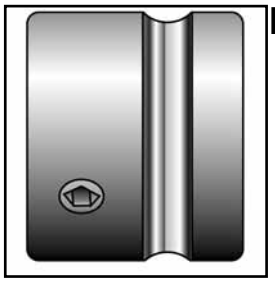
Features/Benefits

AH Housing Fit



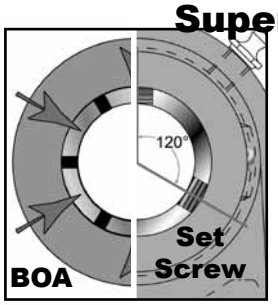
Air handling AH ball bearings are manufactured with a special AH housing fit that allows the bearing to more easily self-align when mounted on lightweight frames.

Precision Hardened and Honed Rings



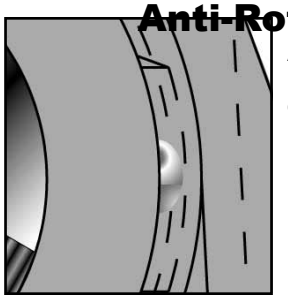
Inner rings are zone hardened to maintain ballpath hardness while keeping inner ring extension soft for a precision setscrew hold. Both ballpaths are honed for quieter operation and less vibration.

Superior Locking



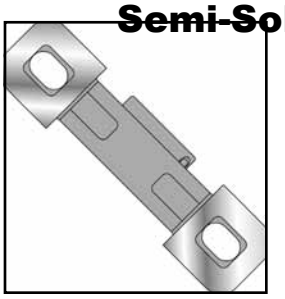
Browning superior locking devices both perform well with air handlers. The 120° setscrew positioning with a zone hardened inner race offers excellent reliability. The new BOA concentric especially reduces noise and vibration.

Anti-Rotation Rivet



An anti-rotation rivet prevents outer ring creep or rotation within the housing. This reduces heat buildup and prolongs useful bearing life.

Semi-Solid Cast Iron Base



The rugged base design provides an excellent mounting foundation. This is integral to prevent sheet metal "buckling."

Noise Tested

An extra noise test check point is added to meet the exacting noise level needs of the air handling industry.

Series

Popular shaft sizes and housing configurations in the normal and medium duty series are available "off-the-shelf" with air handling features (designated by the AH suffix). These products are offered with both setscrew style locking and the increasingly popular BOA concentric 360° locking collar. AH bearings are segmented into two series: Normal duty for general purpose use and medium duty for heavier loads.

Product Overview

Browning moves air! Browning bearing products have long been specified by the nation's leading OEMs of HVAC and air handling equipment. From agricultural fans up to blast restaurant exhaust ventilators to unitary rooftop systems to rugged material handling and cooling tower applications Browning bearings have proven reliable to economically meet customer needs.

Now Browning offers specially designed "**AH**" **A**ir **H**andling Bearings as stock product available "off-the-shelf"! The "**AH**" suffix designation means mounted bearings with a specially controlled "bearing-to-housing fit" and 100% noise tested utilizing state-of-the-art andrometer equipment.

To specify add "AH" i.e. VPS-216 AH

Browning®

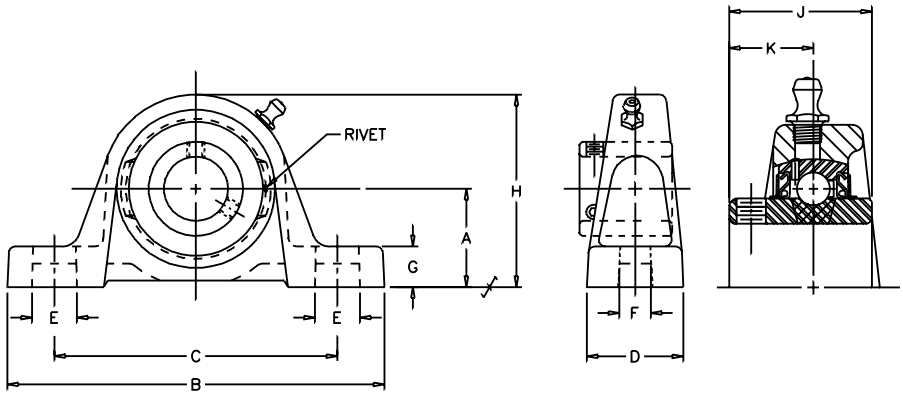
VPS-200AH

Lock: Setscrew
Seal: Contact
Housing: Cast Iron
Temperature: -20°F to 200°F
Self Alignment: ±1.5°
Inserts: VS-200

Bore Size	Fitting
1/2”- 1 1/4” S	1/4” - 28NF
1 1/4” - 2 7/16”	1/8” NPT

V VALUE and QUALITY
P PILLOW BLOCK
S Setscrew

2 200
0 NORMAL
0 DUTY
A AIR
H HANDLING



SHAFT DIA. IN.	UNIT NO.	BRG. NO.	Dimensions in Inches										BOLT SIZE IN.	UNIT WT.
			A	B	C	D	E	F	G	H	J	K		
1/2 5/8	VPS-208AH VPS-210AH	VS-208 VS-210	1 3/16	4 7/8	3 5/8	1 7/32	7/8	7/16	15/32	2 7/32	1 1/32	5/8	3/8	.9
3/4	VPS-212AH	VS-212	1 5/16	5	3 25/32	1 11/32	25/32	7/16	17/32	2 17/32	1 7/32	23/32	3/8	1.4
7/8 15/16 1	VPS-214AH VPS-215AH VPS-216AH	VS-214 VS-215 VS-216	1 7/16	5 1/2	4 1/8	1 13/32	13/16	7/16	19/32	2 13/16	1 3/8	13/16	3/8	1.5
1 1/8 1 3/16 1 1/4	VPS-218AH VPS-219AH VPS-220SAH	VS-218 VS-219 VS-220S	1 11/16	6 3/16	4 5/8	1 3/4	15/16	9/16	21/32	3 9/32	1 1/2	7/8	1/2	2.5
1 1/4 1 3/8 1 7/16	VPS-220AH VPS-222AH VPS-223AH	VS-220 VS-222 VS-223	1 7/8	6 3/4	5	1 3/4	7/8	9/16	23/32	3 11/16	1 11/16	1	1/2	3.5
1 1/2	VPS-224AH	VS-224	2	7 1/8	5 3/8	1 15/16	1	9/16	13/16	4	1 15/16	1 3/16	1/2	4.7
1 5/8 1 11/16 1 3/4	VPS-226AH VPS-227AH VPS-228AH	VS-226 VS-227 VS-228	2/18	7 3/8	5 21/32	2	29/32	9/16	3/4	4 1/4	1 15/16	1 3/16	1/2	5.5
1 15/16 2	VPS-231AH VPS-232SAH	VS-231 VS-232S	2 1/4	8	6 3/16	2 3/16	15/16	11/16	3/4	4 9/16	2 1/32	1 9/32	5/8	6.0
2 2 3/16	VPS-232AH VPS-235AH	VS-232 VS-235	2 1/2	8 13/16	6 15/16	2 5/16	1	11/16	7/8	4 31/32	2 3 1/6	1 5/16	5/8	7.8
2 1/4 2 7/16	VPS-236AH VPS-239AH	VS-236 VS-239	2 3/4	9 1/2	7 13/32	2 3/8	1 5/32	11/16	7/8	5 9/16	2 9/16	1 9/16	5/8	10.1

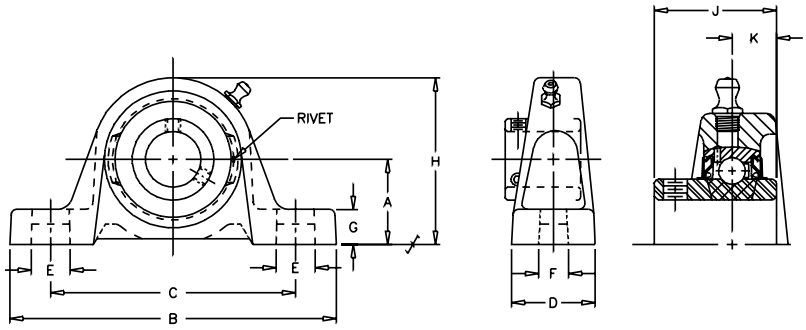
For the most up-to-date bearing cross reference information go to www.emerson-ept.com or call Application Engineering at 1-800-626-2093.

VALUE and QUALITY	**V**
PILLOW BLOCK	**P**
LOW BASE	**L**
Setscrew	**S**
200	**2**
NORMAL	**0**
DUTY	**0**
AIR	**A**
HANDLING	**H**

VPLS-200AH

Lock: Setscrew
Seal: Contact
Housing: Cast Iron
Temperature: -20°F to 200°F
Self Alignment: ±1.5°
Inserts: VS-200

Bore Size	Fitting
1/2”- 1 1/4” S	1/4” - 28NF
1 1/4” - 2 15/16”	1/8” NPT



SHAFT DIA. IN.	UNIT NO.	BRG. NO.	Dimensions in Inches										BOLT SIZE IN.	UNIT WT.
			A	B	C	D	E	F	G	H	J	K		
3/4	VPLS-212AH	VS-212	1 1/4	5	3 25/32	1 11/32	25/32	7/16	15/32	2 15/32	1 7/32	1/2	3/8	1.3
1	VPLS-216AH	VS-216	1 5/16	5 1/2	4 1/8	1 13/32	13/16	7/16	15/32	2 11/16	1 3/8	9 1/6	3/8	1.4
1 3/16 **1 1/4**	VPLS-219AH VPLS-220SAH	VS-219 VS-220S	1 9/16	6 3/16	4 5/8	1 3/4	15/16	9/16	17/32	3 5/32	1 1/2	5/8	1/2	2.4
1 1/4 **1 7/16**	VPLS-220AH VPLS-223AH	VS-220 VS--223	1 13/16	6 3/4	5	1 3/4	7/8	9/16	21/32	3 5/8	1 11/16	11/16	1/2	3.5
1 1/2	VPLS-224AH	VS-224	1 15/16	7 1/8	5 3/8	1 15/16	1	9/16	3/4	3 15/16	1 15/16	3/4	1/2	4.5
1 11/16	VPLS-227AH	VS-227	2 1/16	7 3/8	5 21/32	2	29/32	9/16	11/16	4 3/16	1 15/16	3/4	1/2	5.5
1 15/16 **2**	VPLS-231AH VPLS-232SAH	VS-231	2 3/16	8	6 3/16	2 3/16	15/16	11/16	11/16	4 1/2	2 1/32	3/4	5/8	5.9
2 **2 3/16**	VPLS-232AH VPLS-235AH	VS-232 VS-235	2 7/16	8 13/16	6 15/16	2 5/16	1	11/16	13/16	4 29/32	2 3/16	7/8	5/8	7.6
2 7/16	VPLS-239AH	VS-239	2 11/16	9 1/2	7 13/32	2 3/8	1 5/32	11/16	13/16	5 1/2	2 9/16	1	5/8	9.7
2 11/16	VPLS-243AH	VS-243	3	10 3/4	8 1/4	2 11/16	1 3/8	13/16	15/16	6 3/16	2 3/4	1 1/16	3/4	12.5
2 15/16	VPLS-247AH	VS-247	3 1/4	12	9 1/2	2 7/8	1 1/4	15/16	15/16	6 9/16	3 1/16	1 5/16	7/8	16.9

For the most up-to-date bearing cross reference information go to www.emerson-ept.com or call Application Engineering at 1-800-626-2093.

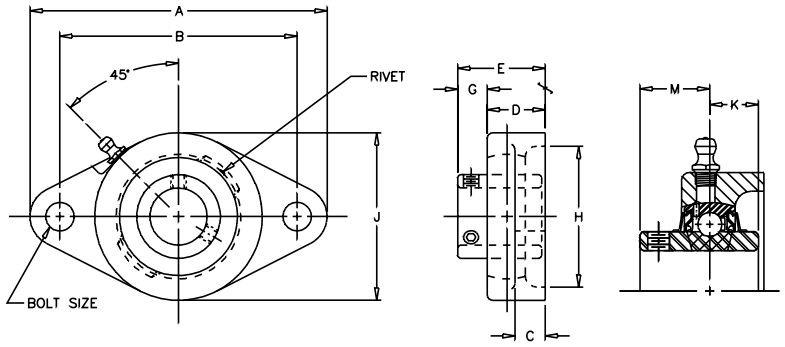
VF2S-200AH

Lock: Setscrew
Seal: Contact
Housing: Cast Iron
Temperature: -20°F to 200°F
Self Alignment: ±1.5°
Inserts: VS-200

V VALUE and QUALITY
F FLANGE
2 TWO BOLT
S Setscrew

2 200
0 NORMAL
0 DUTY
A AIR
H HANDLING

Bore Size	Fitting
1/2"- 1 1/4" S	1/4" - 28NF
1 1/4" - 2 3/16" S	1/8" NPT



SHAFT DIA. IN.	UNIT NO.	BRG. NO.	Dimensions in Inches										BOLT SIZE IN.	UNIT WT.
			A	B	C	D	E	G	H CORED	J	K	M		
3/4	VF2S-212AH	VS-212	4 13/32	3 17/32	7 1/6	57/64	1 9/32	25/64	2	2 1/2	1/2	22/32	3/8	1.0
15/16 1	VF2S-215AH VF2S-216AH	VS-215 VS-216	4 7/8	3 57/64	1/2	61/64	1 7/16	31/64	2 5/16	2 3/4	9/16	13/16	71/6	1.1
1 3/16 1 1/4	VF2S-219AH VF2S-220SAH	VS-219 VS-220S	5 9/16	4 19/32	17/32	1 5/64	1 9/16	31/64	2 3/4	3 1/8	5/8	7/8	7/16	1.7
1 1/4 1 7/16	VF2S-220AH VF2S-223AH	VS-220S VS-223	6 1/8	5 1/8	19/32	1 5/32	1 3/4	19/32	3 3/16	3 5/8	11/16	1	1/2	2.7
1 1/2	VF2S-224AH	VS-224	6 3/4	5 21/32	5/8	1 19/64	2 1/64	23/32	3 1/2	4 1/8	3/4	1 3/16	1/2	3.6
1 11/16 1 3/4	VF2S-227AH VF2S-228AH	VS-227 VS-228	7 1/16	5 27/32	5/8	1 21/64	2 3/64	23/32	3 3/4	4 3/8	3/4	1 3/16	9/16	3.7
1 15/16	VF2S-231AH	VS-231	7 /16	6 3/16	5/8	2 5/32	1 23/64	51/64	4	4 9/16	3/4	1 9/32	9/16	4.6
2 3/16	VF2S-235AH	VS-235	8 1/2	7 1/4	13/16	2 5/16	1 33/64	51/64	4 1/4	5 1/4	7/8	1 5/16	5/8	5.9

For the most up-to-date bearing cross reference information go to www.emerson-ept.com or call Application Engineering at 1-800-626-2093.

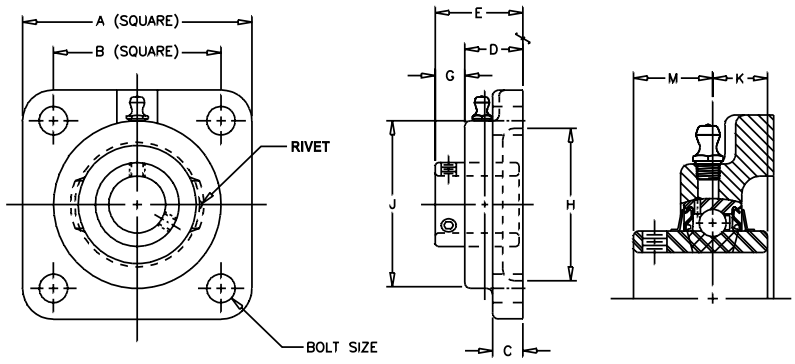
VALUE & QUALITY V
FLANGE F
FOUR BOLT 4
Setscrew S

200 2
NORMAL 0
DUTY 0
AIR A
HANDLING H

VF4S-200AH

Lock: Setscrew
Seal: Contact
Housing: Cast Iron
Temperature: -20°F to 200°F
Self Alignment: ±1.5°
Inserts: VS-200

Bore Size	Fitting
1/2”- 1 1/4” S	1/4” - 28NF
1 1/4” - 2 15/16” S	1/8” NPT



SHAFT DIA. IN.	UNIT NO.	BRG. NO.	Dimensions in Inches										BOLT SIZE IN.	UNIT WT.
			A	B	C	D	E	G	H CORED	J	K	M		
1/2 5/8	VF4S-208AH VF4S-210AH	VS-208 VS-210	3	2 1/8	3/8	23/32	1 5/64	23/64	1 3/4	2 1/8	13/32	5/8	3/8	1.1
3/4	VF4S-212AH	VS-212	3 3/8	2 1/2	7/16	57/64	1 9/32	57/64	2	2 1/2	1/2	23/32	3/8	1.4
15/16 1	VF4S-215AH VF4S-216AH	VS-215 VS-216	3 3/4	2 3/4	1/2	61/64	1 7/16	61/64	2 1/2	2 3/4	9/16	13/16	7/16	1.6
1 3/16	VF4S-219AH	VS-219	4 1/4	3 1/4	17/32	1 5/64	1 9/16	31/64	2 7/8	3 1/8	5/8	7/8	7/16	2.6
1 1/4 1 7/16	VF4S-220AH VF4S-223AH	VS-220 VS-223	4 5/8	3 5/8	19/32	1 5/32	1 3/4	19/32	3 1/4	3 5/8	11/16	1	1/2	3.6
1 1/2	VF4S-224AH	VS-224	5 1/8	4	5/8	1 19/64	2 1/64	23/32	3 1/2	4 1/8	3/4	1 3/16	1/2	4.9
1 11/16 1 3/4	VF4S-227AH VF4S-228AH	VS-227 VS-228	5 /38	4 1/8	5/8	1 21/64	2 3/64	23/32	3 7/8	4 3/8	3/4	1 3/16	9/16	5.2
1 15/16	VF4S-231AH	VS-231	5 5/8	4 3/8	5/8	1 23/64	2 5/32	51/64	4	4 9/16	3/4	1 9/32	9/16	5.6
2 3/16	VF4S-235AH	VS-235	6 3/8	5 1/8	13/16	1 33/64	2 5/16	51/64	4 1/4	5 1/4	7/8	1 5/16	5/8	7.9
2 7/16	VF4S-239AH	VS-239	6 7/8	5 5/8	13/16	1 11/16	2 11/16	1	5	5 7/16	1	1 9/16	5/8	9.6
2 15/16	VF4S-247AH	VS-247	7 3/4	6	1	2 3/64	3 3/16	1 9/64	5 3/4	6 1/2	1 5/16	1 3/4	3/4	16.4

For the most up-to-date bearing cross reference information go to www.emerson-ept.com or call Application Engineering at 1-800-626-2093.

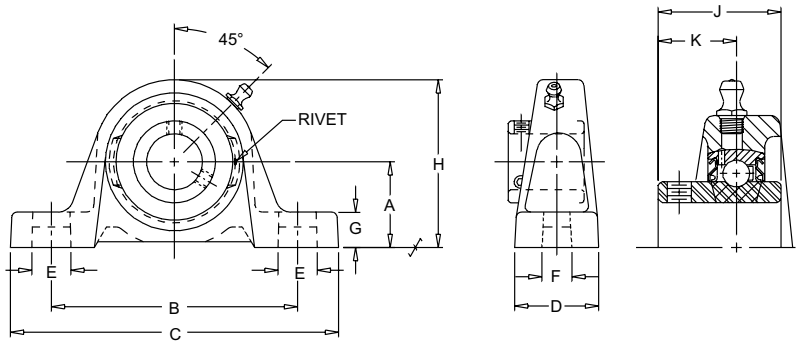
VPS-300AH

Lock: Setscrew
Seal: Contact
Housing: Cast Iron
Temperature: -20°F to 200°F
Self Alignment: ±1.5°
Inserts: VS-300

V VALUE and QUALITY
P PILLOW BLOCK
S Setscrew

3 300
0 MEDIUM
0 DUTY
A AIR
H HANDLING

Bore Size	Fitting
1”	1/4” - 28NF
1 3/16” - 3 15/16”S	1/8” NPT



SHAFT DIA. IN.	UNIT NO.	BRG. NO.	Dimensions in Inches										BOLT SIZE IN.	UNIT WT.
			A	B	C	D	E	F	G	H	J	K		
1	VPS-316AH	VS-316	1 3/4	4 5/8	6 3/16	1 3/4	15/16	9/16	23/32	3 11/32	1 1/2	7/8	1/2	3.6
1 3/16	VPS-319AH	VS-319	1 7/8	5	6 3/4	1 3/4	7/8	9/16	23/32	3 11/16	1 11/16	1	1/2	4.8
1 7/16	VPS-323AH	VS-323	2 1/8	5 17/32	7 1/4	2	29/32	9/16	13/16	4 3/16	1 15/16	1 3/16	1/2	6.2
1 1/2	VPS-324AH	VS-324	2 5/6	5 31/32	7 13/16	2 3/16	1	11/16	13/16	4 9/16	1 15/16	1 3/16	5/8	8.0
1 11/16 **1 3/4**	VPS-327AH VPS-328AH	VS-327 VS-328	2 5/6	6 1/8	7 15/16	2 1/4	1	11/16	13/16	4 5/8	2 1/32	1 9/32	5/8	8.0
1 15/16	VPS-331AH	VS-331	2 1/2	6 15/16	8 13/16	2 5/16	1	11/16	7/8	4 31/32	2 3/16	1 5/16	5/8	10.5
2	VPS-332AH	VS-232												
2 3/16	VPS-335AH	VS-335	2 3/4	7 13/32	9 1/2	2 3/8	1 5/32	11/16	7/8	5 91/6	2 9/16	1 9/16	5/8	14.3
2 7/16	VPS-339AH	VS-339	3	8 1/4	10 3/4	2 11/16	1 3/8	13/16	15/16	6 3/16	2 3/4	1 11/16	3/4	18.7
2 11/16	VPS-343AH	VS-343	3 1/2	9 1/8	12	2 7/8	1 1/4	15/16	1	6 13/16	3 1/16	1 3/4	7/8	24.2
2 15/16	VPS-347AH	VS-347	3 1/2	9 1/4	12	3	1 1/2	15/16	1 1/4	7	3 1/4	1 15/16	7/8	26.4
3 7/16	VPS-355AH	VS-2355	4	11 1/8	14	3 3/8	1 1/2	15/16	1 5/16	7 15/16	3 25/32	2 7/32	7/8	38.5

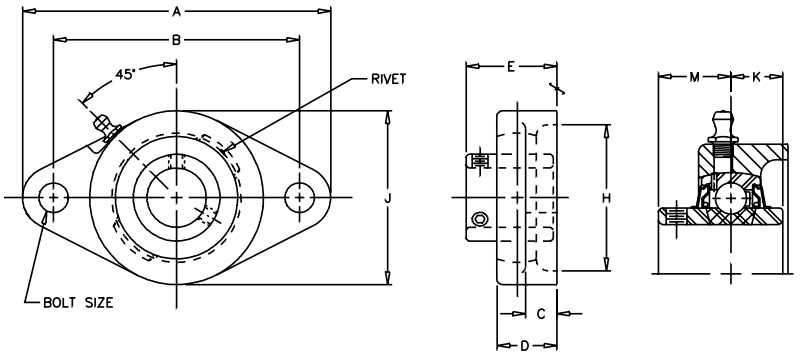
For the most up-to-date bearing cross reference information go to www.emerson-ept.com or call Application Engineering at 1-800-626-2093.

VALUE & QUALITY	V
FLANGE	F
TWO BOLT	2
Setscrew	S
300	3
MEDIUM	0
DUTY	0
AIR	A
HANDLING	H

VF2S-300AH

Lock: Setscrew
Seal: Contact
Housing: Cast Iron
Temperature: -20°F to 200°F
Self Alignment: ±1.5°
Inserts: VS-300

Bore Size	Fitting
1”	1/4” - 28NF
1 3/16” - 2” S	1/8” NPT



SHAFT DIA. IN.	UNIT NO.	BRG. NO.	Dimensions in Inches									BOLT SIZE IN.	UNIT WT.
			A	B	C	D	E	H CORED	J	K	M		
1	VF2S-316AH	VS-316	5 9/16	4 19/32	17/32	1 5/64	1 9/16	2 3/4	3 1/8	5/8	7/8	7/16	2.7
1 3/16	VF2S-319AH	VS-319	6 1/8	5 1/8	19/32	1 5/32	1 3/4	3 3/16	3 5/8	11/16	1	1/2	2.7
1 7/16	VF2S-323AH	VS-323	6 3/4	5 21/32	5/8	1 19/64	2 1/64	3 1/2	4 1/8	3/4	1 3/16	1/2	4.8
1 1/2	VF2S-324AH	VS-324	7 1/16	5 27/32	5/8	1 21/64	2 3/64	3 3/4	4 3/8	3/4	1 3/16	9/16	4.8
1 11/16 1 3/4	VF2S-327AH VF2S-328AH	VS 327 VS-328	7 7/16	6 3/16	5/8	2 5/32	2 5/32	4	4 91/6	3/4	1 9/32	9/16	7.6

For the most up-to-date bearing cross reference information go to www.emerson-ept.com or call Application Engineering at 1-800-626-2093.

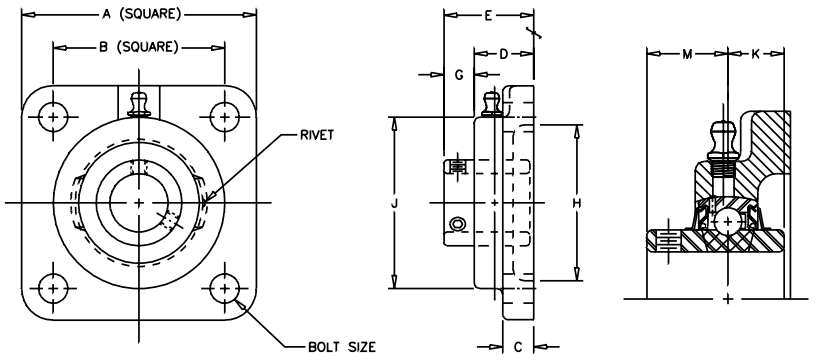
VF4S-300AH

Lock: Setscrew
Seal: Contact
Housing: Cast Iron
Temperature: -20°F to 200°F
Self Alignment: ±1.5°
Inserts: VS-300

V VALUE and QUALITY
F FLANGE BLOCK
4 FOUR BOLT
S Setscrew

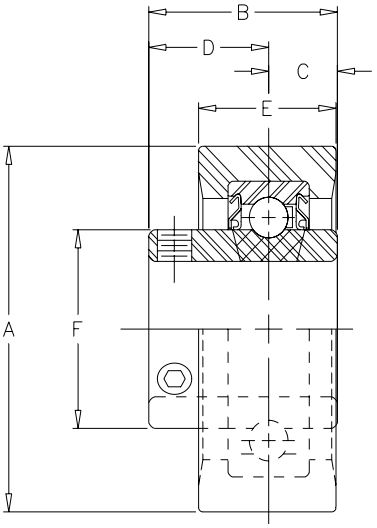
3 300
0 MEDIUM
0 DUTY
A AIR
H HANDLING

Bore Size	Fitting
1”	1/4” - 28NF
1 3/16” - 3 15/16”S	1/8” NPT



SHAFT DIA. IN.	UNIT NO.	BRG. NO.	Dimensions in Inches										BOLT SIZE IN.	UNIT WT.
			A	B	C	D	E	G	H CORED	J	K	M		
1 3/16	VF4S-319AH	VS-319	4 5/8	3 5/8	19/32	1 5/32	1 3/4	19/32	3 1/4	3 5/8	11/16	1	1/2	2.9
1 7/16	VF4S-323AH	VS-323	5 1/8	4	5/8	1 19/64	2 1/64	23/32	3 1/2	4 1/8	3/4	1 3/16	1/2	5.0
1 1/2	VF4S-324AH	VS-324	5 3/8	4 1/8	5/8	1 21/64	2 3/4	23/32	3 7/8	4 3/8	3/4	1 3/16	9/16	5.0
1 11/16	VF4S-327AH	VS-327	5 5/8	4 3/8	5/8	1 23/64	2 5/32	51/64	4	4 9/16	3/4	1 9/32	9/16	5.8
1 15/16	VF4S-331AH	VS-331	6 3/8	5 1/8	13/16	1 33/64	2 5/16	51/64	4 1/4	5 1/4	7/8	1 5/16	5/8	8.0
2 3/16 **2 1/4**	VF4S-335AH VF4S-336AH	VS-335 VS-236	6 7/8	5 5/8	13/16	1 11/16	2 11/16	1	5	5 7/16	1	1 9/16	5/8	9.9
2 7/16 **2 1/2**	VF4S-339AH VF4S-340AH	VS-339 VS-340	7 3/8	5 7/8	13/16	1 49/64	2 7/8	1 7/64	5 1/8	6 1/8	1 1/16	1 11/16	5/8	13.3
2 11/16	VF4S-343AH	VS-343	7 3/4	6	1	2 3/64	3 3/16	1 9/64	5 3/4	6 1/2	1 5/16	1 3/4	3/4	16.7
2 15/16 **3**	VF4S-347AH VF4S-348AH	VS-347 VS-348	7 3/4	6	1	2 1/8	3 3/8	1 1/4	5 23/32	6 3/4	1 5/16	1 15/16	3/4	17.4
3 7/16 **3 1/2**	VF4S-355AH VF4S-336AH	VS-355 VS-256	8 7/16	6 3/4	1 1/8	2 31/64	3 15/16	1 29/64	6 15/32	7 3/4	1 9/16	2 7/32	7/8	24.4
3 15/16	VF4S-363AH	VS-363	10 9/16	8 5/16	1 3/8	2 31/32	4 25/32	1 13/16	7 23/32	9 1/4	1 15/16	2 11/16	1	44.7

For the most up-to-date bearing cross reference information go to www.emerson-ept.com or call Application Engineering at 1-800-626-2093.



RUBBER R
GROMMET U
STRAIGHT OD B
INSERT R
Setscrew S

100 1
LIGHT 0
DUTY 0

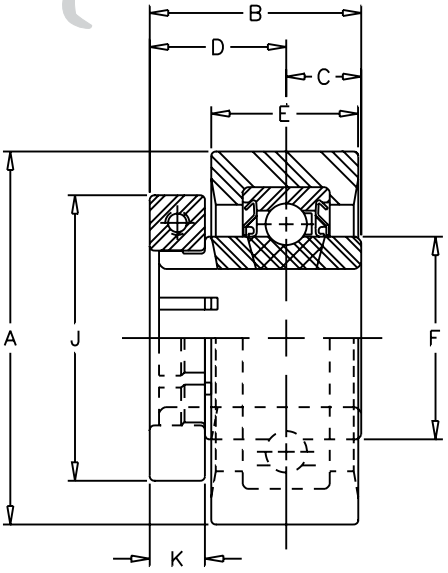
RUBRS-100

Lock: Setscrew
Seal: Contact
Housing: Rubber Grommet
Temperature: -20°F to 200°F
Inserts: SLS-100

No Re-Lube

SHAFT DIA. IN.	MAX STEADY RADIAL LOAD LBS.	UNIT NO.	BRG. NO.	Dimensions in Inches						UNIT WT.
				A	B	C	D	E	F	
1/2	250	RUBRS-108	SLRS-108	2 17/32	1 9/32	13/32	7/8	1	1 3/16	0.5
5/8		RUBRS-110	SLRS-110							
3/4		RUBRS-112	SLRS-112							
15/16	300	RUBRS-115	SLRS-115	2 17/32	1 3/8	1/2	7/8	1	13/8	0.64
1		RUBRS-116	SLRS-116							

CONCENTRIC



RUBBER R
GROMMET U
STRAIGHT OD B
INSERT R
BOA CONCENTRIC B

100 1
LIGHT 0
DUTY 0

RUBRB-100

Lock: Setscrew
Seal: Contact
Housing: Rubber Grommet
Temperature: -20°F to 200°F
Inserts: SLRB-100

No Re-Lube

SHAFT DIA. IN.	MAX STEADY RADIAL LOAD LBS.	UNIT NO.	BRG. NO.	Dimensions in Inches								UNIT WT.
				A	B	C	D	E	F	J	K	
3/4	250	RUBRB-112	SLRB-112	2 17/32	1 9/32	1 3/32	13/16	1	1 3/16	1 3/4	3/8	.70
1	300	RUBRB-116	SLRB-116	2 17/32	1 7/16	33/64	59/64	1	1 3/8	1 15/16	3/8	.85

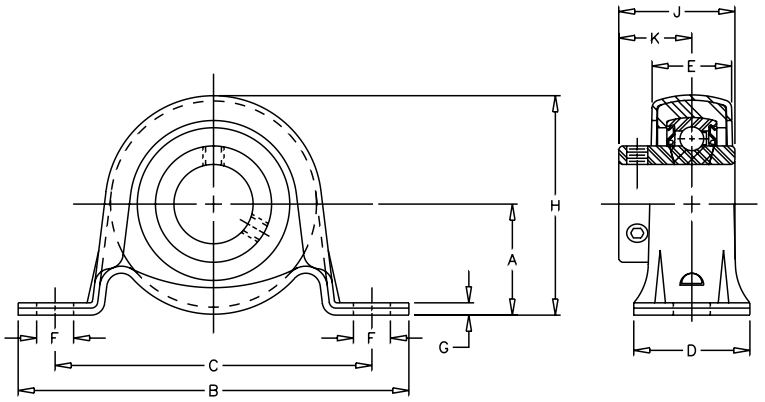
SSRPS-100

Lock: Setscrew
Seal: Contact
Housing: Stamped Steel
Rubber Grommet
Temperature: -20°F to 200°F
Inserts: LRS-100

No Re-Lube

S STAMPED
S STEEL
R RUBBER GROMMET
P PILLOW BLOCK
S Setscrew

1 100
0 LIGHT
0 DUTY



SHAFT DIA. IN.	MAX STEADY RADIAL LOAD LBS.	UNIT NO.	Dimensions In Inches										UNIT WT.
			A	B	C	D	E	F	G	H	J	K	
3/4	250	SSRPS-112	1 1/8	4 1/4	3 3/8	1 1/4	27/32	7/16	1/8	2 13/64	1 7/32	1 7/32	0.6
7/8		SSRPS-114											
15/16	300	SSRPS-115	1 5/16	4 5/8	3 3/4	1 3/8	61/64	7/16	5/32	2 19/32	1 3/8	1 3/8	0.8
1		SSRPS-116											

For the most up-to-date bearing cross reference information go to www.emerson-ept.com or call Application Engineering at 1-800-626-2093.

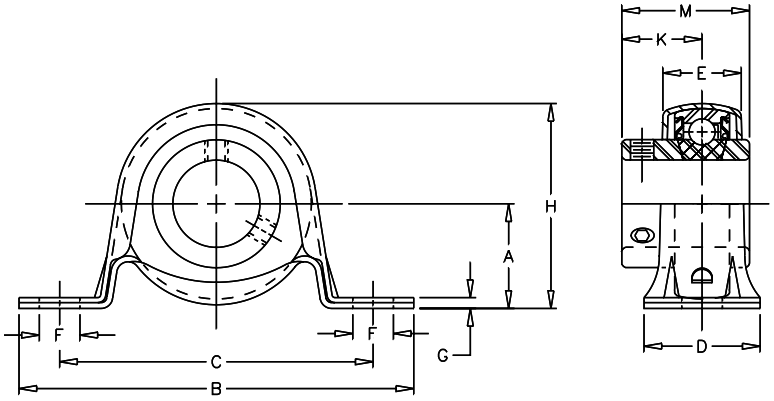
STAMPED S
STEEL S
PILLOW BLOCK P
Setscrew

100 1
LIGHT 0
DUTY 0

SSPS-100

Lock: Setscrew
Seal: Contact
Housing: Stamped Steel
Temperature: -20°F to 200°F
Inserts: LRS-100

No Re-Lube



SHAFT DIA. IN.	MAX STEADY RADIAL LOAD LBS.	UNIT NO.	BRG. NO.	Dimensions In Inches										UNIT WT.
				A	B	C	D	E	F	G	H	K	M	
7/8		SSPS-114	LRS-114											
15/16	400	SSPS-115	LRS-115	1 1/8	4 1/4	3 3/8	1 1/4	27/32	7/16	1/8	2 13/64	7/8	1 3/8	.06
1		SSPS-116	LRS-116											
1 1/8		SSPS-118	LRS-118											
1 3/16	600	SSPS-119	LRS-119	1 5/16	4 5/8	3 3/4	1 3/8	61/64	7/16	5/32	2 19/32	7/8	1 19/32	1.0
1 1/4		SSPS-120S	LRS-120S											

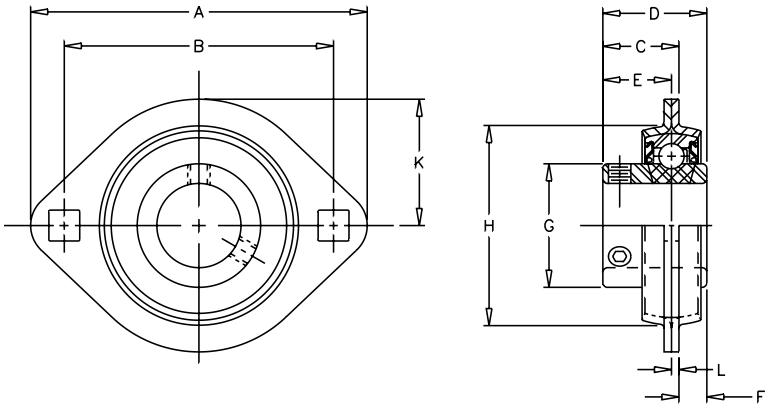
For the most up-to-date bearing cross reference information go to www.emerson-ept.com or call Application Engineering at 1-800-626-2093.

SSF2S-100

Lock: Setscrew
Seal: Contact
Housing: Stamped Steel
Temperature: -20°F to 200°F
Inserts: LS-100

No Re-Lube

S STAMPED
S STEEL
F FLANGE
2 TWO BOLT
S Setscrew
1 100
0 LIGHT
0 DUTY



SHAFT DIA. IN.	MAX STEADY RADIAL LOAD LBS.	UNIT NO.	BRG. NO.	Dimensions In Inches										BOLT SIZE	UNIT WT.
				A	B	C	D	E	F	G	H	K	L		
1/2	600	**SSF2S-108**	LS-108	3 3/16	2 1/2	45/64	15/16	5/8	15/64	31/32	1 47/64	1 1/8	.075	1/4	.6
5/8		**SSF2S-110**	LS-110												
3/4	600	**SSF2S-112**	LS-112	3 9/16	2 13/16	51/64	1 1/16	23/32	1/4	1 3/16	2 1/64	1 5/16	.083	5/16	.8
7/8	800	**SSF2S-114**	LS-114	3 3/4	3	55/64	1 7/64	49/64	1/4	1 3/8	2 7/32	1 13/32	.083	5/16	.9
15/16		**SSF2S-115**	LS-115												
1		**SSF2S-116**	LS-116												
1 1/8	1100	**SSF2S-118**	LS-118	4 7/16	3 9/16	57/64	1 5/32	25/32	17/64	1 19/32	2 21/32	1 21/32	.104	3/8	1.0
1 3/16		**SSF2S-119**	LS-119												
1 1/4		**SSF2S-120S**	LS-120S												

For the most up-to-date bearing cross reference information go to www.emerson-ept.com or call Application Engineering at 1-800-626-2093.

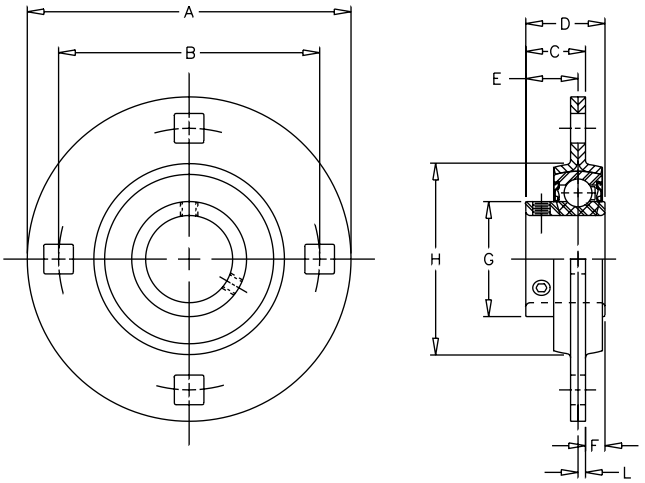
STAMPED S
STEEL S
FLANGE F
FOUR BOLT 4
Setscrew S

100 1
LIGHT 0
DUTY 0

SSF4S-100

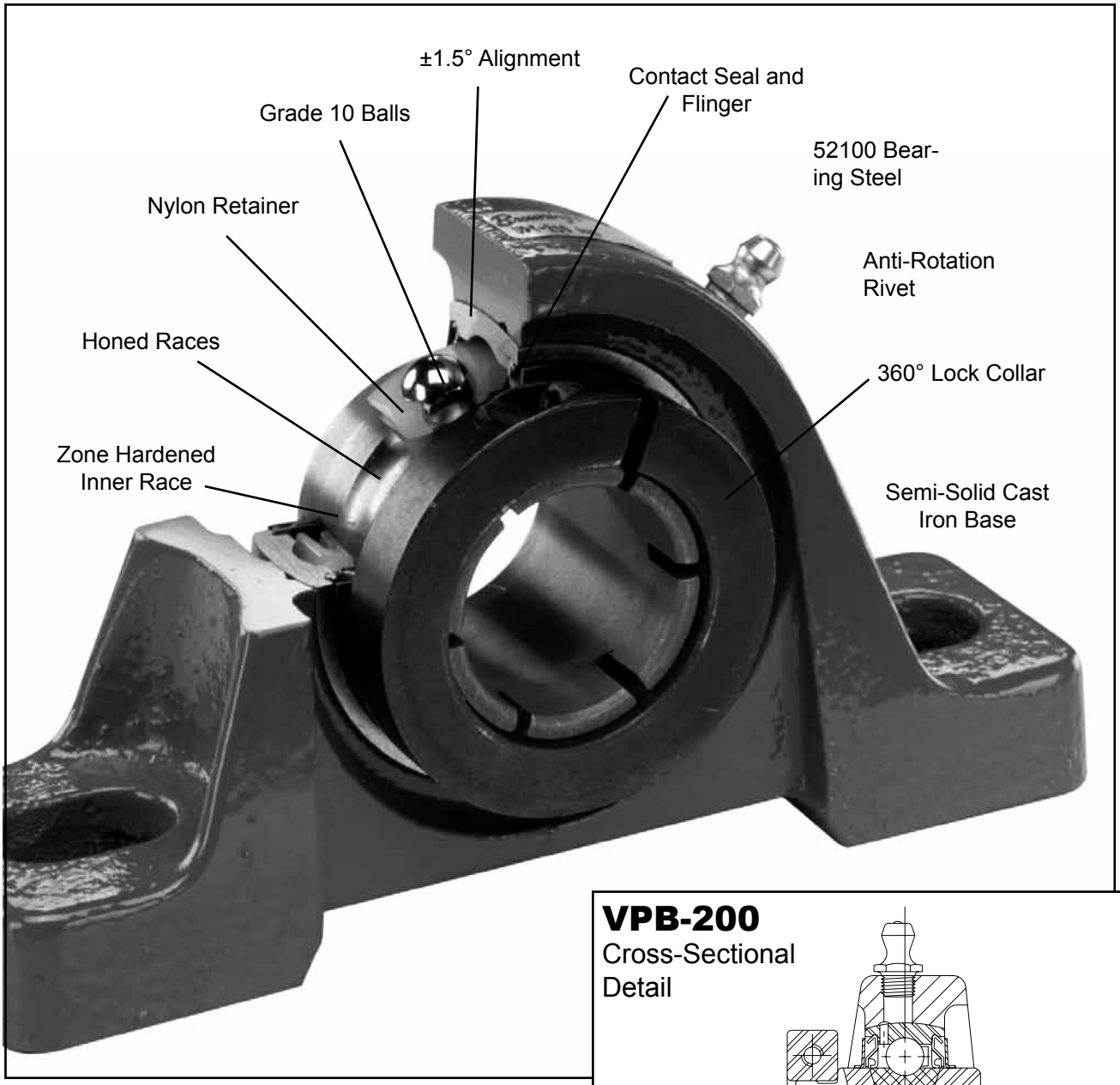
Lock: Setscrew
Seal: Contact
Housing: Stamped Steel
Temperature: -20°F to 200°F
Inserts: LS-100

No Re-Lube

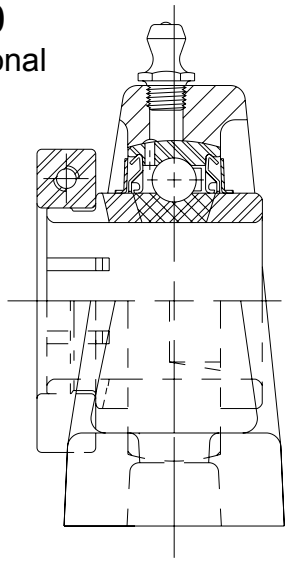


SHAFT DIA. IN	MAX STEADY RADIAL LOAD LBS.	UNIT NO.	BRG NO.	Dimensions In Inches									BOLT SIZE	UNIT WT.
				A	B	C	D	E	F	G	H	L		
1 1/2	1700	SSF4S	LS-124	5 13/16	4 11/16	1 5/64	1 27/64	15/16	11/32	2 1/16	3 7/16	.134	1/2	3.5
1 11/16 1 3/4	1700	SSF4S-127 SSF4S-128	LS-127 LS-128	5 7/8	4 3/4	1 3/32	1 7/16	6 1/64	11/32	2 19/64	3 5/8	.134	1/2	3.9
1 15/16	1900	SSF4S-131	LS-131	6 1/8	5	1 3/16	1 35/64	1 3/64	23/64	2 15/32	3 27/32	.149	1/2	4.0

For the most up-to-date bearing cross reference information go to www.emerson-ept.com or call Application Engineering at 1-800-626-2093.



VPB-200
Cross-Sectional Detail

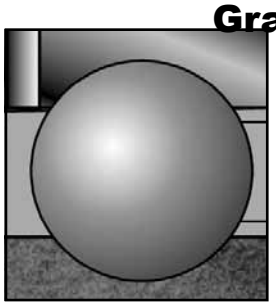


Browning BOA Concentric Ball Bearings

Features/Benefits

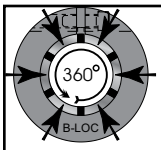
Ball Bearings
Features/Benefits

Grade 10 Balls



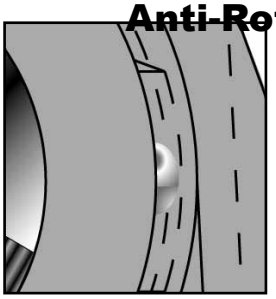
For quieter operation and less vibration. Manufactured with high quality 52100 steel.

Superior 360 Locking



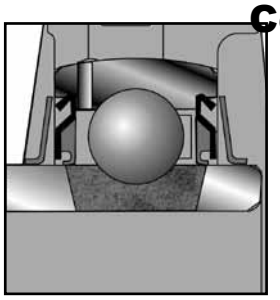
The Browning BOA concentric collar with a single cap screw provides excellent holding power. The collar is installed over the slotted inner ring on the shaft concentrically. Designed for no shaft marring or burring with minimal runout for less vibration.

Anti-Rotation Rivet



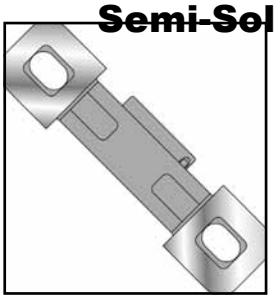
An anti-rotation rivet prevents outer ring creep or rotation within the housing. This reduces heat buildup and prolongs useful bearing life.

Contact Seal



Positive contact molded rubber lip with an auxiliary flinger for proven effective sealing against contaminants.

Semi-Solid Cast Iron Base



The rugged base design provides an excellent mounting foundation. This is integral to prevent sheet metal "buckling."

Precision Hardened and Honed Rings

Inner rings are zone hardened to maintain ballpath hardness while keeping inner ring extension soft for a precision fit with the concentric collar. Both ballpaths are honed for quieter operation and less vibration. See cross-section detail – left.

Series

Browning BOA concentric ball bearings are segmented into two series: normal duty for general purpose use and medium duty for heavier loads.

200 = Normal duty
300 = Medium duty

Select Features

Browning BOA concentric ball bearings incorporate a unique concentric locking collar design for better grip on the shaft and less vibration during operation. The BOA-LOC concentric clamp collar, with a single cap screw, provides increased reliability without marring or burring the shaft. The 360° clamping force reduces vibration through improved concentricity.

Related Products

Browning offers BOA concentric "off-the-shelf" in popular **A**ir **H**andling pillow block shaft sizes ranging from 3/4" to 2 7/16". **A**ir **H**andling features may be added to other Browning B-loc units simply by designating "**AH**" as a suffix to the base nomenclature. Example: VF2B 216 AH. Contact Browning for availability of non stock **AH** units.

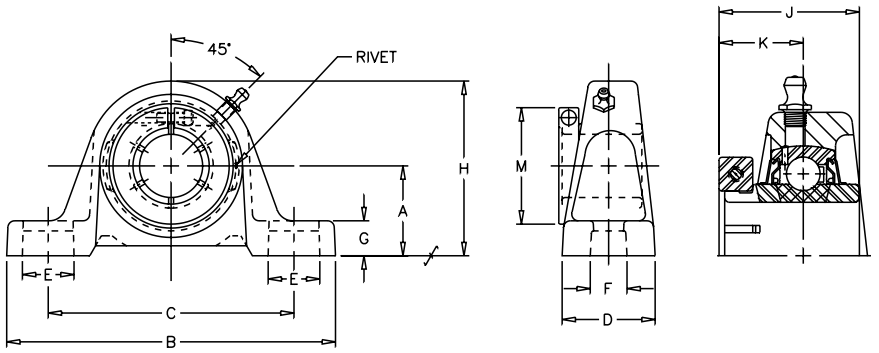
VPB-200AH

Lock: BOA Concentric
Seal: Contact
Housing: Cast Iron
Temperature: -20°F to 200°F
Self Alignment: ±1.5°
Insert: VB-200

Bore Size	Fitting
3/4" - 1 3/16"	1/4" - 28NF
1 7/16" - 2 7/16"	1/8" NPT

V VALUE and QUALITY
P PILLOW BLOCK
B BOA
2 200
0 NORMAL
0 DUTY
A AIR
H HANDLING

BOA CONCENTRIC



SHAFT DIA. IN.	UNIT NO.	BRG NO.	Dimensions in Inches												BOLT SIZE IN.	UNIT WT.
			A	B	C MIN.	C MAX.	D	E	F	G	H	J	K	M		
3/4	VPB-212AH	VB-212	1 5/16	5	3 3/8	4 3/16	1 11/32	25/32	7/16	17/32	2 17/32	1 9/32	25/32	1 3/4	3/8	1.60
1	VPB-216AH	VB-216	1 7/16	5 1/2	3 11/16	4 9/16	1 13/32	13/16	7/16	19/32	2 13/32	1 7/16	7/8	1 15/16	3/8	1.90
1 3/16	VPB-219AH	VB-219	1 11/16	6 3/16	4 3/16	5 1/16	1 3/4	15/16	9/16	21/32	3 9/32	1 9/16	15/16	2 3/16	1/2	2.90
1 7/16	VPB-223AH	VB-223	1 7/8	6 3/4	4 5/8	5 3/8	1 3/4	7/8	9/16	23/32	3 11/16	1 3/4	1 1/16	2 7/16	1/2	3.80
1 11/16	VPB-227AH	VB-227	2 1/8	7 3/8	5 1/4	6 1/16	2	29/32	9/16	3/4	4 1/4	2	1 1/4	2 15/16	1/2	5.60
1 11/16	VPB-231AH	VB-231	2 1/4	8	5 7/8	6 1/2	2 3/16	15/16	11/16	3/4	4 9/16	2 3/32	1 11/32	3 3/8	5/8	6.20
2 3/16	VPB-235AH	VB-235	2 1/2	8 13/16	6 7/16	7 7/16	2 5/16	1	11/16	7/8	4 31/32	2 1/4	1 3/8	3 5/8	5/8	8.00
2 7/16	VPB-239AH	VB-239	2 3/4	9 1/2	6 7/8	7 15/16	2 3/8	1 5/32	11/16	7/8	5 9/16	2 5/8	1 5/8	4 1/8	5/8	10.10

For the most up-to-date bearing cross reference information go to www.emerson-ept.com or call Application Engineering at 1-800-626-2093.

For complete catalog dimensions see eCatalog at www.emerson-ept.com

CONCENTRIC

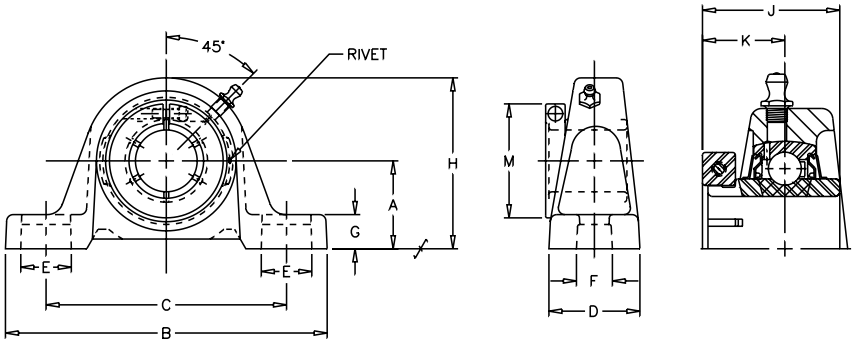
VALUE & QUALITY V
PILLOW BLOCK P
BOA B

300 3
MEDIUM 0
DUTY 0

VPB-300

Lock: BOA Concentric
Seal: Contact
Housing: Cast Iron
Temperature: -20°F to 200°F
Self Alignment: ±1.5°
Inserts: VB-200

Bore Size	Fitting
1”	1/4” - 28NF
1 3/16” - 2 3/16”	1/8”NPT



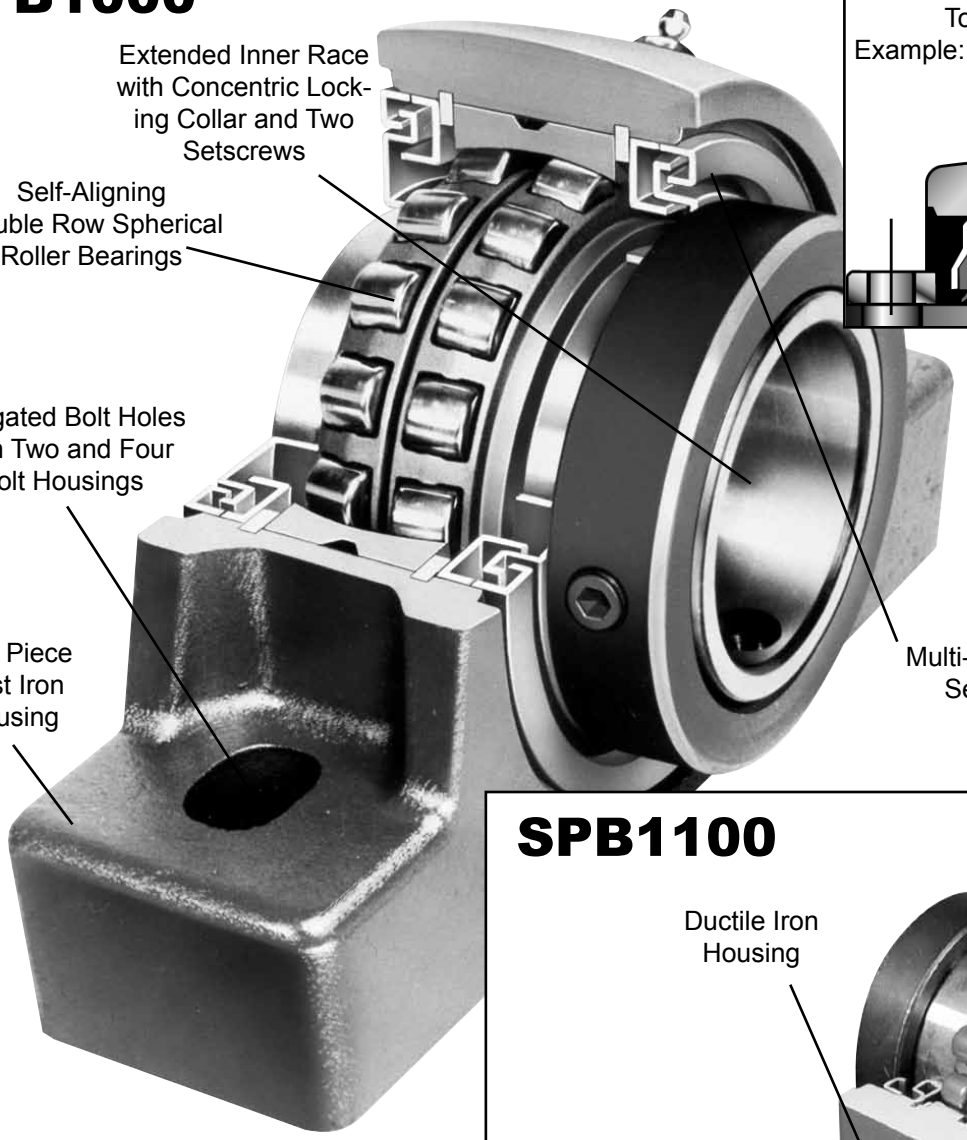
SHAFT DIA. IN	UNIT NO.	BRG NO.	Dimensions in Inches												BOLT SIZE IN.	UNIT WT.
			A	B	C MIN.	C MAX.	D	E	F	G	H	J	K	M		
1	VPB-316	VB-316	1 3/4	6 3/16	4 3/16	5 1/6	1 3/4	15/16	9/16	23/32	3 11/32	1 9/16	15/16	2 1/16	1/2	3.1
1 3/16	VPB-319	VB-319	1 7/8	6 3/4	4 5/8	5 3/8	1 3/4	7/8	9/16	23/32	3 11/16	1 3/4	1 1/16	2 7/16	1/2	3.1
1 7/16	VPB-323	VB-323	2 1/8	7 1/4	5 1/8	5 15/16	2	29/32	9/16	13/16	4 3/16	2	1 1/4	2 11/16	1/2	3.9
1 11/16	VPB-327	VB-327	2 5/16	7 15/16	5 3/4	6 1/2	2 1/4	1	11/16	13/16	4 5/8	2 3/32	1 11/32	3 1/4	5/8	5.8
1 15/16	VPB-331	VB-331	2 1/2	8 13/16	6 7/16	7 7/16	2 5/16	1	11/16	7/8	4 31/32	2 1/4	1 3/8	3 1/2	5/8	8.1
2	VPB-332	VB-232														
2 3/16	VPB-335	VB-335	2 3/4	9 1/2	6 7/8	7 15/16	2 3/8	1-5/32	11/16	7/8	5 9/16	2 5/8	1 5/8	4 1/16	5/8	10.4

For the most up-to-date bearing cross reference information go to www.emerson-ept.com or call Application Engineering at 1-800-626-2093.

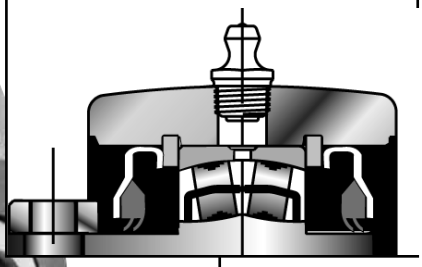
For complete catalog dimensions see eCatalog at www.emerson-ept.com

Browning®

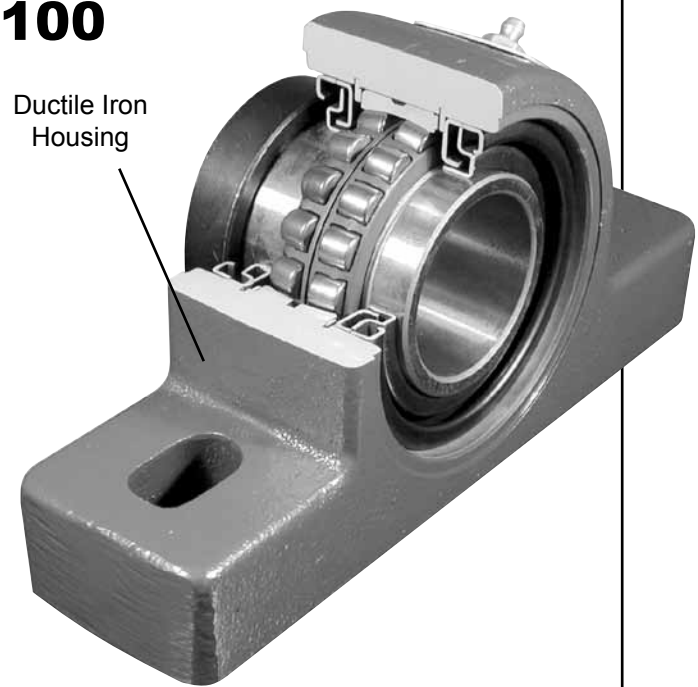
SPB1000



Contact Seal for
1000 and 1100 Series
To Specify Add C
Example: SPB1000NECx2 7/16”



SPB1100



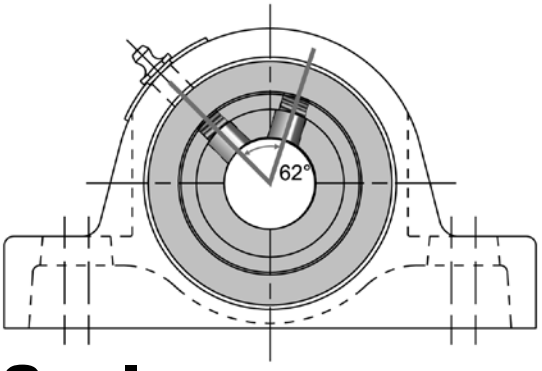
Note: Other features are like the 1000 Series.

Browning Spherical Roller Bearings 1000/1100 Series

Features/Benefits

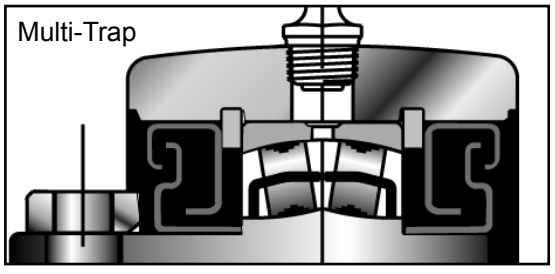
Locking

1000/1100 Locking - A concentric locking collar with two setscrews to anchor the bearing to the inner race. The elastic deflection of the collar serves to help retain the bearing on the shaft. Setscrews are located at 62° for improved holding power and resistance to back out especially in applications with heavy vibration or unidirectional loads. Browning lock collars are black oxide coated for corrosion resistance.



Seals

1000/1100 Sealing - The Browning Multi-Trap® seal offers additional protection against contaminant entry and provides for grease retention. The labryinth seal is constructed of three components with a rotating flinger to help direct contamination away from the sealing surfaces during operational or dynamic misalignment. These self aligning, non-contact seals reduce drag and save energy and normally cannot be blown by over greasing. Black oxide offers additional protection against corrosion. Browning also offers a double lip contact seal with integral metal shield to help protect against contaminants. It has good grease retention characteristics in operating temperatures up to 200° F. Contact seals are standard on the 4 7/16" - 4 15/16" 1000 series pillow blocks and optional on all other 1000 and 1100 series.

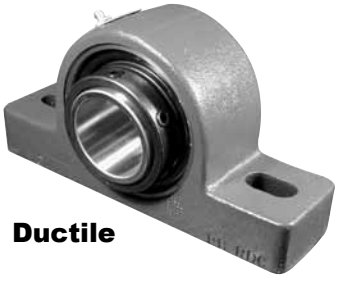


Browning Spherical Roller Bearings 1000/1100 Series Features/Benefits

Housings

Cast Iron

1000 Housing - Browning compact, solid, one piece, cast iron housings provide strength and load support in a wide variety of applications.



Ductile

1100 Housing - 1100 Series ductile iron housings are approximately twice as strong as cast iron. This is an important feature in applications such as sawmills where heavy loads and shock conditions are normally experienced.

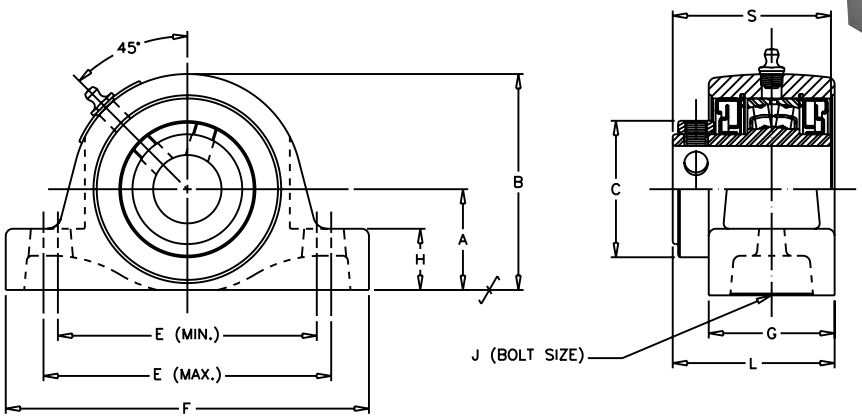
SPB1000

Lock: Setscrew
Seal: Multi-Trap Labyrinth
Housing: Cast Iron
Temperatures: -20°F to 200°F
Optional Seal: Double Lip Contact
Self Aligning: ±1 1/2°
Fitting: 1/8" NPT

Expansion and Non-Expansion

S SPHERICAL ROLLER
P PILLOW
B BLOCK

1 1000 SERIES
0 Setscrew LOCK
0 CAST IRON
0 BEARING



SHAFT DIA. IN.	Dimensions in Inches										UNIT WT.
	A	B	C	E MIN	E MAX	F	G	H	J	L*	S	
1 1/8 1 3/16 1 1/4	1 3/4	3 3/4	2 15/32	4 1/2	5	6 5/16	2 3/16	1 1/16	3/8	2 27/32	2 3/4	6.5
1 7/16 1 1/2	1 7/8	3 7/8	2 15/32	4 11/16	5 5/16	6 7/8	2 3/16	1 3/16	1/2	2 27/32	2 3/4	6.9
1 11/16 1 3/4	2 1/8	4 1/4	2 23/32	5 3/16	5 13/16	7 3/8	2 3/16	1 5/16	1/2	2 31/32	2 7/8	8.1
1 15/16 2	2 1/4	4 9/16	2 29/32	5 15/16	6 9/16	8 3/8	2 3/16	1 3/8	5/8	2 31/32	2 7/8	9.1
2 3/16	2 1/2	5	3 1/4	6 9/16	7 1/16	8 7/8	2 7/16	1 5/8	5/8	3 7/32	3 1/8	11.8
2 7/16 2 1/2	2 3/4	5 11/16	4	6 13/16	7 7/16	9 1/4	2 11/16	1 3/4	5/8	3 15/32	3 3/8	16.2
2 11/16 2 3/4 2 15/16 3	3 1/4	6 7/16	4 3/8	7 13/16	8 7/16	10 7/16	2 13/16	2 1/4	3/4	3 25/32	3 5/8	22.1
3 3/16 3 7/16 3 1/2	3 3/4	7 1/2	5 1/8	9 1/4	10 3/4	13	3 3/16	2 1/4	7/8	4 3/16	4 1/32	31.6
3 11/16 3 15/16 4	4 1/8	8 7/16	6	10	11 3/4	14 1/4	3 9/16	2 1/2	1	4 3/4	4 19/32	44.6

*These dimensions are for Non-Expansion units. For expansion type, adjust ±.050."

Non-Expansion Pillow Block Part Numbers are specified by "SPB1000NE" and bore size: Example, **SPB1000NEx 2 7/16"**. For Contact Seals Add "C" to prefix: Example, **SPB1000NECx 2 7/16".**

Expansion Pillow Block Part Numbers are specified by "SPB1000E" and bore size: Example, **SPB1000Ex 2 7/16"**. For Contact Seals Add "C" to prefix: Example, **SPB1000ECx 2 7/16".**

Self-aligning with contacts seals ± 1 1/4°.

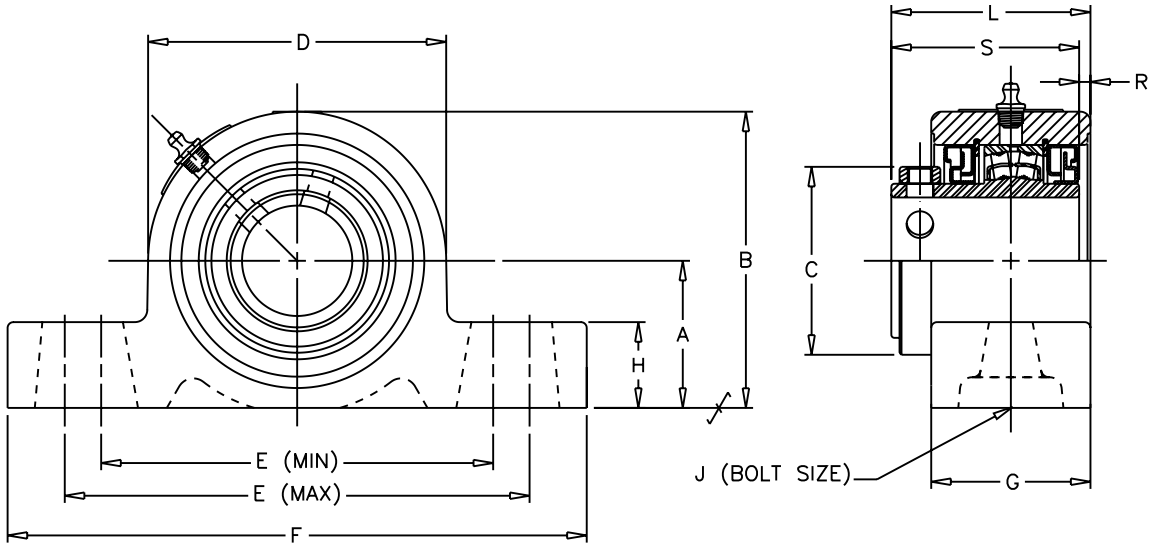
SPHERICAL ROLLER S
PILLOW BLOCK P
BLOCK B

1100 SERIES 1
SETSCREW 1
DUCTILE IRON 0
BEARINGS 0

SPB1100

Lock:	Setscrew
Seal:	Multi-Trap® Labyrinth
Housing:	Ductile Iron
Temperatures:	-20° to 200°F
Optional Seal:	Double Lip Contact
Self Aligning:	±1 1/2°
Fitting:	1/8" NPT
Bolt Holes:	Elongated

Expansion and Non-Expansion



SHAFT DIA. IN.	Dimensions in Inches													UNIT WT.
	A	B	C	D	E MIN	E MAX	F	G	H	J	L*	R*	S	
1 15/16 2	2 1/4	4 17/32	3	4 9/16	6	7 1/8	8 7/8	2 7/16	1 5/16	5/8	3 3/21	7/32	2 7/8	11.2
2 3/16	2 1/2	4 31/32	3 3/8	4 15/16	6 1/2	7 7/8	9 5/8	2 1/2	1 7/16	5/8	3 1/4	1/8	3 1/8	13.4
2 7/16 2 1/2	2 3/4	5 5/8	3 3/8	5 1/4	6 7/8	8 5/8	10 3/8	2 53/64	1 9/16	5/8	3 35/64	11/64	3 3/8	18.6
2 11/16 2 3/4 2 15/16 3	3 1/8	6 1/16	4	5 7/8	7 7/8	9 5/8	11 5/8	2 5/8	1 5/8	3/4	3 11/16	1/16	3 5/8	19.9
3 3/16 3 7/16 3 1/2	3 3/4	7 3/8	4 11/16	7 1/4	9 3/8	11 1/4	13 1/2	3 1/8	1 7/8	7/8	4 5/32	1/8	4 1/32	34.1
3 11/16 3 15/16 4	4 1/8	8 1/2	6	8 1/8	10	11 3/4	14 1/4	3 9/16	2 1/4	1	4 23/32	1/8	4 19/32	50

*Dimensions L and R are for non-expansion unit. For expansion type, increase L and R by .098" max.
Non-Expansion Pillow Block part numbers are **SPB1100NE** and bore size. Example: **SPB1100NE x 2 7/16**.
Expansion Pillow Block part numbers are **SPB1100E** and bore size. Example: **SPB1100E x 2 7/16**.

100 Series Ratings

This chart displays all 100 series ball bearings' load capacity for a given L10 life, speed, and shaft size. Values in the table represent loads at ideal conditions with press fit mounting to the shaft. ABMA recommends de-rating of slip fit mounted bearings. To obtain de-rated load, divide load in table by 1.3. Values in the table represent equivalent radial loads only.

Match Bore SIze

100 Shaft Size	L10 HOURS	REVOLUTIONS PER MINUTE															
		50	150	250	500	750	1000	1500	1750	2000	2500	3000	3500	4000	45000	5000	5500
1/2	5000	315	315	315	315	315	315	275	261	250	323	218	207	198	191	184	-
5/8	10000	315	315	315	315	275	250	218	207	198	184	173	165	157	151	146	-
275	250	315	315	275	218	191	173	151	144	138	128	120	114	109	105	101	-
	50000	315	275	232	184	161	146	128	121	116	108	101	96	92	89	85	-
	100000	315	218	184	146	128	116	101	96	92	85	80	76	73	70	68	-
3/4	5000	390	390	390	390	390	390	341	324	310	287	270	257	246	-	-	-
	10000	390	390	390	390	341	310	270	257	246	228	215	204	195	-	-	-
	30000	390	390	341	270	236	215	188	178	170	158	149	141	135	-	-	-
	50000	390	341	287	228	199	181	158	150	144	133	126	119	114	-	-	-
	100000	390	270	228	181	158	144	126	119	114	106	100	95	91	-	-	-
7/8	5000	418	418	418	418	418	418	366	347	332	308	290	276	-	-	-	-
15/16	10000	418	418	418	418	366	332	290	279	264	245	230	219	-	-	-	-
1	30000	418	418	366	290	253	230	201	191	183	170	160	152	-	-	-	-
	50000	418	366	308	245	214	194	170	161	154	143	135	128	-	-	-	-
	100000	418	290	245	194	170	154	135	128	122	114	107	102	-	-	-	-
1 1/8	5000	654	654	654	654	654	654	572	543	519	482	454	-	-	-	-	-
1 3/16	10000	654	654	654	654	572	519	454	431	412	383	360	-	-	-	-	-
1 1/4	30000	654	654	572	454	396	360	315	299	286	265	250	-	-	-	-	-
	50000	654	572	482	383	334	304	265	252	241	224	211	-	-	-	-	-
	100000	654	454	383	304	255	241	211	200	191	178	167	-	-	-	-	-
1 1/4	5000	864	864	864	864	864	864	755	717	686	636	-	-	-	-	-	-
1 3/8	10000	864	864	864	864	755	686	599	569	544	505	-	-	-	-	-	-
1 7/16	30000	864	864	755	599	523	475	415	394	377	350	-	-	-	-	-	-
	50000	864	755	636	505	441	401	350	333	318	295	-	-	-	-	-	-
	100000	864	599	505	401	350	318	278	264	253	234	-	-	-	-	-	-
1 1/2	5000	1096	1096	1096	1096	1096	1096	958	910	870	808	-	-	-	-	-	-
	10000	1096	1096	1096	1096	958	870	760	722	691	641	-	-	-	-	-	-
	30000	1096	1096	958	760	664	603	527	501	479	445	-	-	-	-	-	-
	50000	1096	958	808	641	560	509	445	422	404	375	-	-	-	-	-	-
	100000	1096	760	641	509	445	404	353	335	321	298	-	-	-	-	-	-
1 11/16	5000	1180	1180	1180	1180	1180	1180	1031	979	937	-	-	-	-	-	-	-
1 3/4	10000	1180	1180	1180	1180	1031	937	818	777	744	-	-	-	-	-	-	-
	30000	1180	1180	1031	818	715	650	567	539	516	-	-	-	-	-	-	-
	50000	1180	1031	870	690	603	548	479	455	435	-	-	-	-	-	-	-
	100000	1180	818	690	548	479	435	380	361	345	-	-	-	-	-	-	-
1 15/16	5000	1178	1178	1178	1178	1178	1178	1029	978	935	-	-	-	-	-	-	-
2	10000	1178	1178	1178	1178	1029	935	817	776	742	-	-	-	-	-	-	-
	30000	1178	1178	1029	817	714	649	567	538	515	-	-	-	-	-	-	-
	50000	1178	1029	868	689	602	547	478	454	434	-	-	-	-	-	-	-
	100000	1178	817	689	547	478	434	379	360	345	-	-	-	-	-	-	-
2	5000	1457	1457	1457	1457	1457	1457	1273	1209	-	-	-	-	-	-	-	-
2 3/16	10000	1457	1457	1457	1457	1273	1156	1010	959	-	-	-	-	-	-	-	-
	30000	1457	1457	1273	1010	882	802	700	665	-	-	-	-	-	-	-	-
	50000	1457	1273	1073	852	744	676	591	561	-	-	-	-	-	-	-	-
	100000	1457	1010	852	676	591	537	469	445	-	-	-	-	-	-	-	-

200 Series Ratings

This chart displays 200 series ball bearings' load capacity for a given L10 life, speed, and shaft size. Values in the table represent loads at ideal conditions with press fit mounting to the shaft. ABMA recommends de-rating of slip fit mounted bearings. To obtain de-rated load, divide load in table by 1.3. Values in the table represent equivalent radial loads only.

Match Bore Size

SHAFT SIZES 200 Dia. Inches	L10 Hours	REVOLUTIONS PER MINUTE																	
		50	150	250	500	750	1000	1500	1750	2000	2500	3000	3500	4000	4500	5000	5500	6500	7500
1/2	5000	500	500	500	397	347	315	275	261	250	232	218	207	198	191	184	178	169	161
5/8	10000	500	470	397	315	275	250	218	207	198	184	173	165	157	151	146	142	134	128
	30000	470	326	275	218	191	173	151	144	138	128	120	114	109	105	101	98	93	89
	50000	397	275	232	184	161	146	128	121	116	108	101	96	92	89	85	83	78	75
	100000	315	218	184	146	128	116	101	96	92	85	80	76	73	70	68	66	62	59
3/4	5000	619	619	619	491	429	390	341	324	310	287	270	257	246	236	228	221	209	-
	10000	583	583	491	390	341	310	270	257	246	228	215	204	195	188	181	175	166	-
	30000	583	404	341	270	236	215	188	178	170	158	149	141	135	130	126	122	115	-
	50000	491	341	287	228	199	181	158	150	144	133	126	119	114	110	106	103	97	-
	100000	390	270	228	181	158	144	126	119	114	106	100	95	91	87	84	81	77	-
7/8	5000	664	664	664	527	461	418	366	347	332	308	290	276	264	253	245	237	-	-
15/16	10000	625	625	527	418	366	332	290	276	264	245	230	219	209	201	194	188	-	-
1	30000	625	433	366	290	253	230	201	191	183	170	160	152	145	139	135	130	-	-
	50000	527	366	308	245	214	194	170	161	154	143	135	128	122	188	114	110	-	-
	100000	418	290	245	194	170	154	135	128	122	114	107	102	97	93	90	87	-	-
1 1/8	5000	1039	1039	1039	825	720	654	572	543	519	482	454	431	412	396	-	-	-	-
1 3/16	10000	978	978	825	654	572	519	454	431	412	383	360	342	327	315	-	-	-	-
1 1/4	30000	978	678	572	454	396	390	315	299	286	265	250	237	227	218	-	-	-	-
	50000	825	572	482	383	334	304	265	252	241	224	211	200	191	184	-	-	-	-
	100000	654	454	383	304	265	241	211	200	191	178	167	159	152	146	-	-	-	-
1 1/4	5000	1290	1290	1290	1088	951	864	755	717	686	636	599	569	544	-	-	-	-	-
1 3/8	10000	1290	1290	1088	864	755	686	599	569	544	505	475	452	432	-	-	-	-	-
1 7/16	30000	1290	895	755	599	523	475	415	394	377	350	330	313	299	-	-	-	-	-
	50000	1088	755	636	505	441	401	350	333	318	295	278	264	253	-	-	-	-	-
	100000	864	599	505	401	350	318	278	264	253	234	221	210	200	-	-	-	-	-
1 1/2	5000	1638	1638	1638	1381	1207	1096	958	910	870	808	760	722	-	-	-	-	-	-
	10000	1638	1638	1381	1096	958	870	760	722	691	641	603	573	-	-	-	-	-	-
	30000	1638	1136	958	760	664	603	527	501	479	445	418	397	-	-	-	-	-	-
	50000	1381	958	808	641	560	509	445	422	404	375	353	335	-	-	-	-	-	-
	100000	1096	760	641	509	445	404	353	335	321	298	280	266	-	-	-	-	-	-
1 5/8	5000	1763	1763	1763	1487	1299	1180	1031	979	937	870	818	-	-	-	-	-	-	-
1 11/16	10000	1763	1763	1487	1180	1031	937	818	777	744	690	650	-	-	-	-	-	-	-
1 3/4	30000	1763	1222	1031	818	715	650	567	539	516	479	450	-	-	-	-	-	-	-
	50000	1487	1031	870	690	603	548	479	455	435	404	380	-	-	-	-	-	-	-
	100000	1180	818	690	548	479	435	380	361	345	320	301	-	-	-	-	-	-	-
1 15/16	5000	1760	1760	1760	1485	1297	1178	1029	978	935	868	817	-	-	-	-	-	-	-
2	10000	1760	1760	1485	1178	1029	935	817	7769	742	689	649	-	-	-	-	-	-	-
	30000	1760	1221	1029	817	714	649	567	538	515	478	450	-	-	-	-	-	-	-
	50000	1485	1029	868	689	602	547	478	454	434	403	379	-	-	-	-	-	-	-
	100000	1178	817	689	547	478	434	379	360	345	320	301	-	-	-	-	-	-	-
2	5000	2176	2176	2176	1835	1603	1457	1273	1209	1156	1073	-	-	-	-	-	-	-	-
2 3/16	10000	2176	2176	1835	1457	1273	1156	1010	959	918	852	-	-	-	-	-	-	-	-
	30000	2176	1509	1273	1010	882	802	700	665	636	591	-	-	-	-	-	-	-	-
	50000	1835	1273	1073	852	744	676	591	561	537	498	-	-	-	-	-	-	-	-
	100000	1457	1010	852	676	591	537	469	445	426	395	-	-	-	-	-	-	-	-
2 1/4	5000	2631	2631	2631	2219	1938	1761	1538	1461	1398	1298	-	-	-	-	-	-	-	-
2 7/16	10000	2631	2631	2219	1761	1538	1398	1221	1160	1109	1030	-	-	-	-	-	-	-	-
	30000	2631	1824	1538	1221	1067	969	847	804	769	714	-	-	-	-	-	-	-	-
	50000	2219	1538	1298	1030	900	817	714	678	649	602	-	-	-	-	-	-	-	-
	100000	1761	1221	1030	817	714	649	567	538	515	478	-	-	-	-	-	-	-	-

300 Series Ratings

This chart displays 300 series ball bearings' load capacity for a given L10 life, speed, and shaft size. Values in the table represent loads at ideal conditions with press fit mounting to the shaft. ABMA recommends de-rating of slip fit mounted bearings. To obtain de-rated load, divide load in table by 1.3. Values in the table represent equivalent radial loads only.

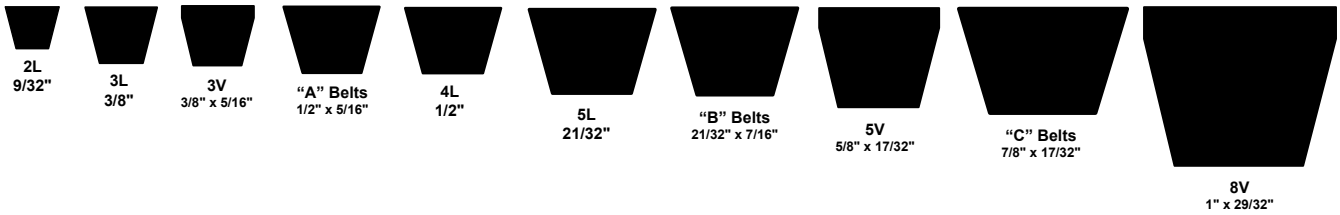
Match Bore Size

SHAFT SIZES 300 Dia. Inches	L10 HOURS	REVOLLUTIONS PER MINUTE													
		50	150	250	500	750	1000	1500	1750	2000	2500	3000	3500	4000	4500
1	5000	1039	1039	1039	825	720	654	572	543	519	482	454	431	412	-
	10000	978	978	825	654	572	519	454	431	412	383	360	342	327	-
	30000	978	678	572	454	396	360	315	299	286	265	250	237	227	-
	50000	825	572	482	383	334	304	265	252	241	224	211	200	191	-
	100000	654	454	383	304	265	241	211	200	191	178	167	159	152	-
1 3/16 1 1/4	5000	1290	10290	1290	1088	951	864	755	717	686	636	599	569	544	-
	10000	1290	1290	1088	864	755	686	599	569	544	505	475	452	432	-
	30000	1290	895	755	599	523	475	415	394	377	350	330	313	299	-
	50000	1088	755	636	505	441	401	350	333	318	295	278	264	253	-
	100000	864	599	505	401	350	318	278	264	253	234	221	210	200	-
1 7/16	5000	1638	1638	1638	1381	1207	1096	958	910	870	808	760	722	-	-
	10000	1638	1638	1381	1096	958	870	760	722	691	641	603	573	-	-
	30000	1638	1136	958	760	664	603	527	501	479	445	418	397	-	-
	50000	1381	958	808	641	560	509	445	422	404	375	353	335	-	-
	100000	1096	760	641	509	445	404	353	335	321	298	280	266	-	-
1 1/2	5000	1763	1763	1763	1487	1299	1180	1031	979	937	870	818	-	-	-
	10000	1763	1763	1487	1180	1031	937	818	777	744	690	650	-	-	-
	30000	1763	1222	1031	818	715	650	567	539	516	479	450	-	-	-
	50000	1487	1031	870	690	603	548	479	455	435	404	380	-	-	-
	100000	1180	818	690	548	479	435	380	361	345	320	301	-	-	-
1 11/16 1 3/4	5000	1760	1760	1760	1485	1297	1178	1029	978	935	868	817	-	-	-
	10000	1760	1760	1485	1178	1029	935	817	776	742	689	649	-	-	-
	30000	1760	1221	1029	817	714	649	567	538	515	478	450	-	-	-
	50000	1485	1029	868	689	602	547	478	454	434	403	379	-	-	-
	100000	1178	817	689	547	478	434	379	360	345	320	301	-	-	-
1 15/16 2	5000	2176	2176	2176	1835	1603	1457	1273	1290	1156	1073	-	-	-	-
	10000	2176	2176	1835	1457	1273	1156	1010	959	918	852	-	-	-	-
	30000	2176	1509	1273	1010	882	802	700	665	636	591	-	-	-	-
	50000	1835	1273	1073	852	744	676	591	561	537	498	-	-	-	-
	100000	1457	1010	852	676	591	537	469	445	426	395	-	-	-	-
2 3/16	5000	2631	2631	2631	2219	1938	1761	1538	1461	1398	1298	-	-	-	-
	10000	2631	2631	2219	1761	1538	1398	1221	1160	1109	1030	-	-	-	-
	30000	2631	1824	1538	1221	1067	969	847	804	769	714	-	-	-	-
	50000	2219	1538	1298	1030	900	817	714	678	649	602	-	-	-	-
	100000	1761	1221	1030	817	714	649	567	538	515	478	-	-	-	-

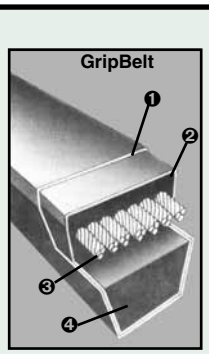
Spherical Roller Bearings 1000 and 1100 Series

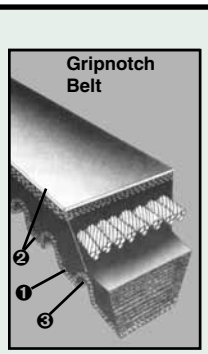
This chart displays the Browning 1000 and 1100 Series Spherical Roller Bearing's load capacity for a given L10 life, speed and shaft size. Values in the table represent loads at ideal conditions. The shaded areas indicate the maximum speed for the MULTI-TRAP® Seal. The maximum speed for the Contact Seal is indicated in the non-shaded areas.

Size	Rating	L10 Hours	REVOLUTIONS PER MINUTE												
			50	100	150	250	500	750	1000	1500	1750	2000	2500	3000	3500
1 1/8	16600	5000	4880	4880	4880	4546	3692	3269	2999	2656	2535	2436	2278	2157	2059
1 3/16		10000	4880	4860	4304	3692	2999	2656	2436	2157	2059	1979	1850	1752	1673
1 1/4		30000	4304	3496	3095	2656	2157	1910	1752	1551	1481	1423	1331	1260	1203
1 7/16		50000	3692	2999	2656	2278	1850	1639	1503	1331	1271	1221	1142	1081	1032
1 1/2		100000	2999	2436	2157	1850	1503	1331	1221	1081	1032	992	927	878	838
1 11/16	17300	5000	2999	6458	5522	4737	3848	3407	3125	2767	2642	2539	2374	2248	2146
1 3/4		10000	5458	5065	4485	3848	3125	2767	2539	2248	2146	2062	1929	1826	1743
		30000	6458	3643	3226	2767	2248	1990	1826	1617	1544	1483	1387	1313	1254
		50000	4485	3125	2767	2374	1929	1708	1566	1387	1324	1272	1190	1127	1076
		100000	3848	2539	2248	1929	1566	1387	1272	1127	1076	1033	967	915	874
1 15/16	19000	5000	3125	6925	6064	5203	4226	3742	3433	3039	2902	2788	2608	2469	2357
2		10000	6925	5563	4926	4226	3433	3039	2788	2469	2357	2265	2118	2005	1915
		30000	6925	4001	3543	3039	2469	2186	2005	1776	1695	1629	1523	1442	1377
		50000	4926	3433	3039	2608	2118	1875	1720	1523	1454	1397	1307	1237	1181
		100000	4226	2788	2469	2118	1720	1523	1397	1237	1181	1135	1062	1005	960
2 3/16	22400	5000	3433	7150	7150	6134	4982	4412	4047	3583	3421	3287	3074	2911	2779
		10000	7150	6559	5807	4982	4047	3538	3287	2911	2779	2670	2497	2364	2257
		30000	7150	4710	4177	3583	2911	2577	2364	2093	1999	1920	1796	1700	1623
		50000	5807	4047	3583	3074	2497	2211	2028	1796	1715	1647	1541	1459	1393
		100000	4982	3287	2911	2497	2028	1796	1467	1459	1393	1338	1251	1185	1131
2 7/16	33300	5000	4047	10629	10629	9119	7407	6558	6016	5327	5086	4887	4570	4327	–
2 1/2		10000	10629	9750	8633	7407	6016	5327	4887	4327	4131	3969	3712	3515	–
		30000	10629	7012	6209	5327	4327	3831	3515	3112	2971	2855	2670	2258	–
		50000	8633	6016	5327	4570	3712	3287	3015	2670	2549	2449	2290	2169	–
		100000	7407	4887	4327	3712	3015	2670	2449	2169	2071	1989	1860	1761	–
2 11/16	35500	5000	6016	11331	11331	9721	7896	6992	6413	5679	5422	5209	4872	4613	–
2 3/4		10000	11331	10394	9204	7896	6413	5679	5209	4613	4404	4231	3957	3747	–
2 15/16		30000	11331	7476	6619	5679	4613	4084	3747	3318	3168	3043	2846	2695	–
3		50000	9204	6413	5679	4872	3957	3504	3214	2846	2718	2611	2442	2312	–
		100000	7896	5209	4613	3957	3214	2846	2611	2312	2207	2121	1983	1878	–
3 3/16	56900	5000	6413	20827	18161	15581	12656	11206	10268	9102	8691	8350	–	–	–
3 7/16		10000	20827	16660	14752	12656	10280	9102	8350	7393	7059	6782	–	–	–
3 1/2		30000	20827	11982	10610	9102	7393	6457	6005	5317	5077	4878	–	–	–
		50000	14752	10280	9102	7809	6343	5616	5152	4562	4356	4185	–	–	–
		100000	12656	8350	7393	6343	5152	4562	4185	3705	3538	3399	–	–	–
3 11/16	69900	5000	10280	25854	22311	19141	15547	13767	12628	11182	10611	10257	–	–	–
3 15/16		10000	25854	20466	18122	15547	12628	11182	10257	9083	8672	8332	–	–	–
4		30000	25854	14720	13034	11182	9083	8042	7377	6532	6237	5992	–	–	–
		50000	18122	12628	11182	9593	7792	6900	6329	5604	5351	5141	–	–	–
		100000	15547	10257	9083	7792	6329	5604	5141	4552	4346	4176	–	–	–
4 716	91700	5000	12628	33386	29269	25110	20396	18060	16567	–	–	–	–	–	–
4 1/2		10000	33386	26849	23774	20396	16567	14669	13456	–	–	–	–	–	–
		30000	33386	19310	17099	14669	11915	10550	9678	–	–	–	–	–	–
		50000	23774	16567	14669	12585	10222	9051	8303	–	–	–	–	–	–
		100000	20396	13456	11915	10222	8303	7352	6744	–	–	–	–	–	–
4 15/16	123,000	5000	16567	45244	39259	33681	27358	24224	–	–	–	–	–	–	–
		10000	45244	36013	31889	27358	22221	19676	–	–	–	–	–	–	–
		30000	45244	25902	22935	19676	15982	1452	–	–	–	–	–	–	–
		50000	31889	22221	19676	16881	13711	12141	–	–	–	–	–	–	–
		100000	27358	18049	15982	13711	11137	9862	–	–	–	–	–	–	–



Unique design enhances performance and provides increased hp capacity in shorter center drives.





Before we talk about *"Avoiding Problems"* and *"Solving Problems"*, let's take a brief look at how V-belts are constructed.

There are basically two types of construction. One has a fabric wrapper (or jacket) surrounding it; the other – usually rated higher in horsepower – is made in a raw edged, cogged construction.

GripBelt®

1. Single Fabric Design
- More flexible - use with sub-minimal pitch diameters.
- Reduced overlap - reduces vibration

2. Improved Cord Adhesion

3. Improved Flexibility Cords

4. Improved SBR Compounds

Gripnotch® V-Belts

1. Ground Form
- Reduced vibration increases belt and bearing life.

2. Fabric Top and Bottom
- Increases rigidity and stability. Reduces stress on the cord line and increases belt life.

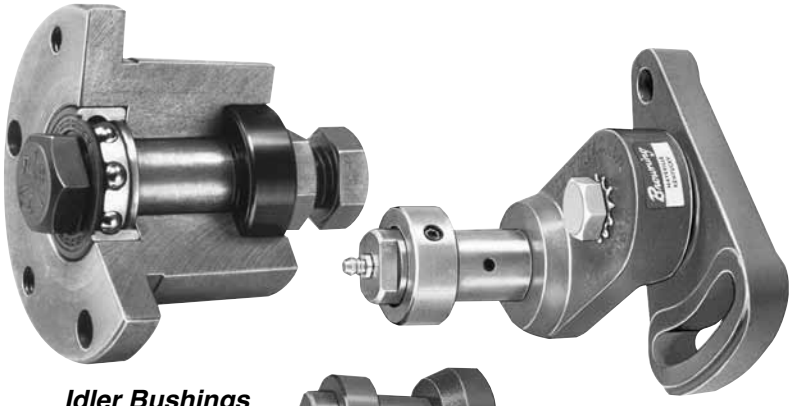
3. Wider Notch Spacing
- Increases rigidity and stability. Reduces stress on the cord line and increases belt life.

Browning®

...Drive Tighteners, Idlers, Idler Bushings, Set Collars, Keystock and Cast Iron Bars

A wide variety of specialized products for automatic production.

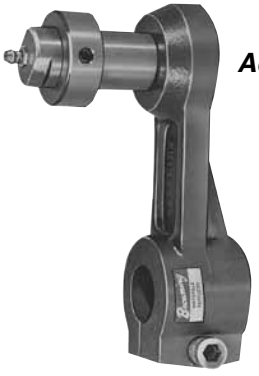
Browning is adding new power transmission products on a continuous basis to broaden the industry's already widest line. As part of this ongoing program, Browning today offers a wide variety of drive tighteners, idlers, idler bushings, set collars, and many other power transmission products. All of these products exemplify Browning's commitment to serving your every requirement in power transmission drives and components.



Idler Bushings

Adjusting Tighteners

Fixed Angle Tighteners



Single Adjusting Tighteners

Fixed Flange Tighteners

V-Belt Sheave Idlers

Flat Face Idlers

Set Collars

Keystock

For complete catalog dimensions see eCatalog at www.emerson-ept.com

Malleable

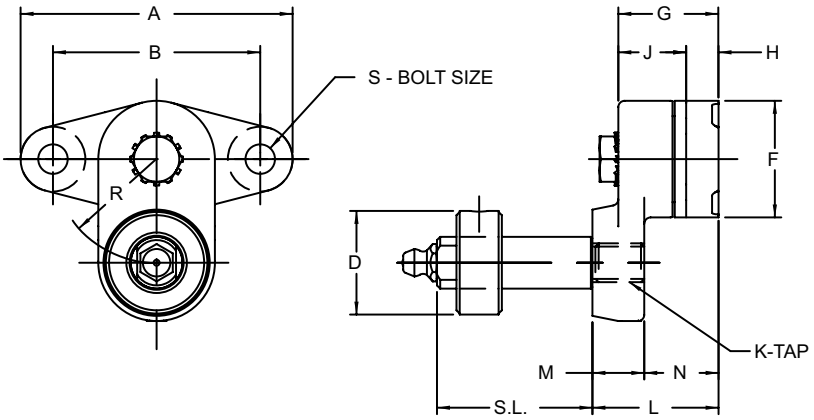
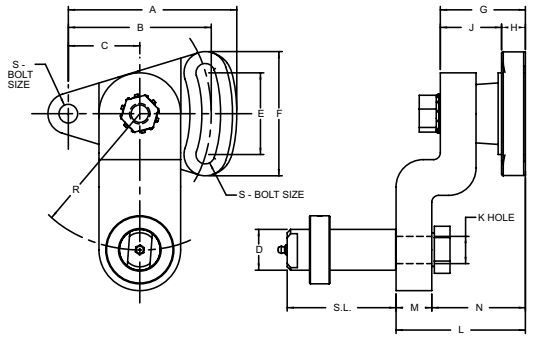


Table No. 1 Adjusting Tighteners

Part No.	Shaft	DIMENSIONS														Wt. Lbs.
		A	B▲	D	F	G	H	J	K	L	M	N	R	S▲	S.L.	
ATN1	**N1①**	2 5/8"	2"	.500"	1 1/8	15/16"	5/16"	5/8"	3/8 - 16	1 3/16"	1/2"	11/16"	1"	1/4"	1 1/2"	.5
ATH	**None②**	4 1/2	3 1/2	-	2	1 11/16	5/8	1 1/16	1/2 - 13	2 1/16	7/8	1 3/16	2	3/8	-	2.8
ATP	**None②**	4 1/2	3 1/2	-	2	1 11/16	5/8	1 1/16	5/8 - 11	2 1/16	7/8	1 3/16	2	3/8	-	2.7
ATQ	**None②**	4 1/2	3 1/2	-	2	1 11/16	5/8	1 1/16	3/4 - 10	2 1/16	7/8	1 3/16	2	3/8	-	2.6
ATQ	**N2③**	4 1/2	3 1/2	1.000	2	1 11/16	5/8	1 1/16	3/4 - 10	2 1/16	7/8	1 3/16	2	3/8	2 1/8	3.5
ATQ	**N3③**	4 1/2	3 1/2	1.000	2	1 11/16	5/8	1 1/16	3/4 - 10	2 1/16	7/8	1 3/16	2	3/8	3 1/8	3.7
ATQ	**N4③**	4 1/2	3 1/2	1.000	2	1 11/16	5/8	1 1/16	3/4 - 10	2 1/16	7/8	1 3/16	2	3/8	4 1/8	4.0
ATQ-1	**None②**	6 3/4	5 1/4	-	3	2 3/8	1 3/16	1 9/16	1 - 8	2 15/16	1 5/16	1 5/8	5	5/8	-	9.8
ATQ-1	**N5③**	6 3/4	5 1/4	1.500	3	2 3/8	1 3/16	1 9/16	1 - 8	2 15/16	1 5/16	1 5/8	5	5/8	4	12.3
ATQ-1	**N6③**	6 3/4	5 1/4	1.500	3	2 3/8	1 3/16	1 9/16	1 - 8	2 15/16	1 5/16	1 5/8	5	5/8	6	13.3

▲ Holes are cast, some variations maybe expected.
① Shaft is included.
② No shaft is required when used with Idler Bushings shown on page 188.
③ Shaft must be ordered separately.

Type-1 Steel



Type-2 Malleable

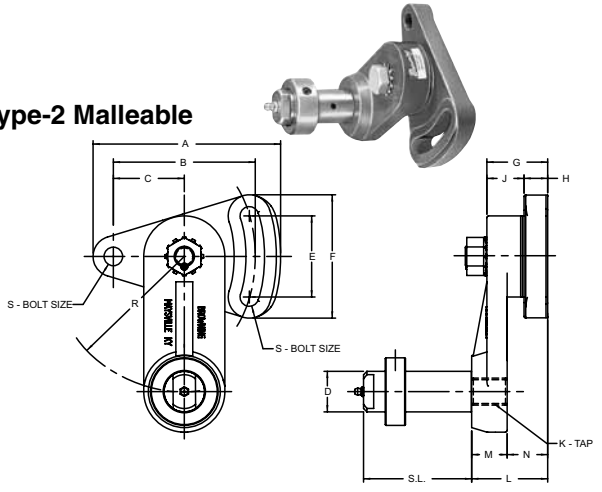
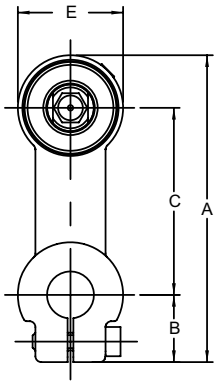


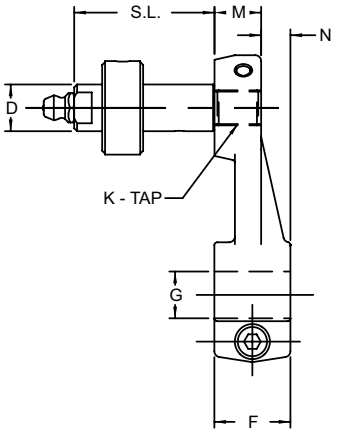
Table No. 2 Double Adjusting Tighteners

Part No.	Type	Shaft	DIMENSIONS																Wt. Lbs.
			A	B▲	C	D	E	F	G	H	J	K	L	M	N	R	S▲	S.L.	
DATN1	2	**N1①**	2 23/32"	2"	15/16"	.500"	1 1/4"	1 31/32"	15/16"	3/8"	9/16"	3/8 - 16	1 3/16"	1 1/2"	11/16"	1"	1/4"	1/4"	.7
DATSH	1	**None②**	4 5/8	3 1/2	1 3/4	-	2 1/16	3 1/4	1 5/16	3/8	15/16	9/16 Dia.	2 1/16	3/8	1 11/16	2	3/8	3/8	2.8
DATSP	1	**None②**	4 5/8	3 1/2	1 3/4	-	2 1/16	3 1/4	1 5/16	3/8	15/16	11/16 Dia.	2 1/16	3/8	1 11/16	2	3/8	3/8	2.8
DATSQ	1	**None②**	4 5/8	3 1/2	1 3/4	-	2 1/16	3 1/4	1 5/16	3/8	15/16	25/32 Dia.	2 1/16	3/8	1 11/16	2	3/8	3/8	2.7
DATSQ	1	**N2③**	4 5/8	3 1/2	1 3/4	1.000	2 1/16	3 1/4	1 5/16	3/8	15/16	25/32 Dia.	2 1/16	3/8	1 11/16	2	3/8	3/8	3.4
DATSQ	1	**N3③**	4 5/8	3 1/2	1 3/4	1.000	2 1/16	3 1/4	1 5/16	3/8	15/16	25/32 Dia.	2 1/16	3/8	1 11/16	2	3/8	3/8	3.8
DATSQ	1	**N4③**	4 5/8	3 1/2	1 3/4	1.000	2 1/16	3 1/4	1 5/16	3/8	15/16	25/32 Dia.	2 1/16	3/8	1 11/16	2	3/8	3/8	4.0
DATQ-1	2	**None②**	6 15/16	5 1/4	2 5/8	-	3	4 9/16	2 3/8	7/8	1 1/2	1 - 8	2 15/16	1 5/16	1 5/8	5	5/8	5/8	11.3
DATQ-1	2	**N5③**	6 15/16	5 1/4	2 5/8	1.500	3	4 9/16	2 3/8	7/8	1 1/2	1 - 8	2 15/16	1 5/16	1 5/8	5	5/8	5/8	13.6
DATQ-1	2	**N6③**	6 15/16	5 1/4	2 5/8	1.500	3	4 9/16	2 3/8	7/8	1 1/2	1 - 8	2 15/16	1 5/16	1 5/8	5	5/8	5/8	14.9

▲ Holes are cast, some variations maybe expected.
① Shaft is included.
② No shaft is required when used with Idler Bushings shown on page 188.
③ SHAFT MUST BE ORDERED SEPARATELY.

Drive Tighteners



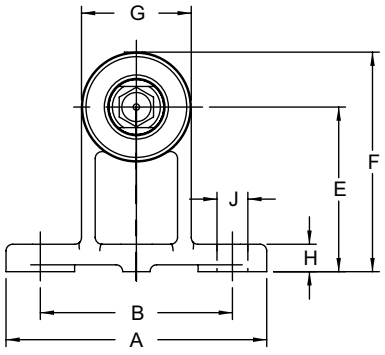


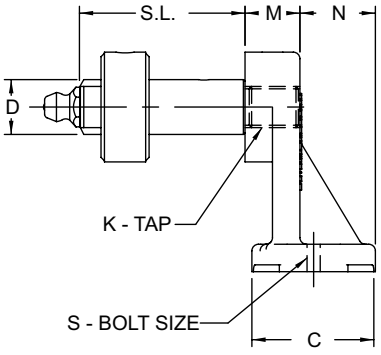
Malleable

Table No. 1 Single Adjustable Tighteners

Part No.	Shaft	DIMENSIONS											Wt. Lbs.
		A	B	C	D	E	F	G	K	M	N	S.L.	
SATN1	**N1①**	3 9/32"	23/32"	2"	.500"	1 1/8"	13/16"	1/2"	3/8 - 16	1/2"	5/16"	1 1/2"	.8
SATH	**None②**	6 1/4	1 1/4	4	-	2	1 5/8	1	1/2 - 13	7/8	3/4	-	2.4
SATP	**None②**	6 1/4	1 1/4	4	-	2	1 5/8	1	5/8 - 11	7/8	3/4	-	2.3
SATQ	**None②**	6 1/4	1 1/4	4	-	2	1 5/8	1	3/4 - 10	7/8	3/4	-	2.3
SATQ	**N2③**	6 1/4	1 1/4	4	1.000	2	1 5/8	1	3/4 - 10	7/8	3/4	2 1/8	2.9
SATQ	**N3③**	6 1/4	1 1/4	4	1.000	2	1 5/8	1	3/4 - 10	7/8	3/4	3 1/8	3.1
SATQ	**N4③**	6 1/4	1 1/4	4	1.000	2	1 5/8	1	3/4 - 10	7/8	3/4	4 1/8	3.4
SATQ-1	**None②**	9 3/8	1 7/8	6	-	3	2 7/16	1 1/2	1 - 8	1 5/16	1 1/8	-	8.0
SATQ-1	**N5③**	9 3/8	1 7/8	6	1.500	3	2 7/16	1 1/2	1 - 8	1 5/16	1 1/8	4	10.5
SATQ-1	**N6③**	9 3/8	1 7/8	6	1.500	3	2 7/16	1 1/2	1 - 8	1 5/16	1 1/8	6	11.5

① Shaft is included.
② No shaft is required when used with Idler Bushings shown on page 188.
③ Shaft must be ordered separately.



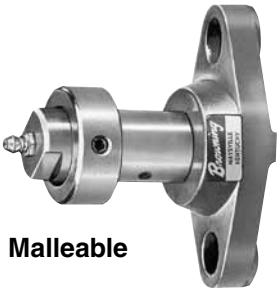


Malleable

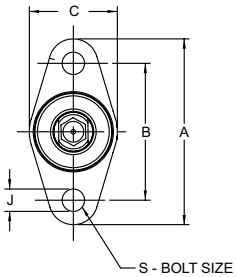
Table No. 2 Fixed Angle Tighteners

Part No.	Shaft	DIMENSIONS													Wt. Lbs.
		A	B▲	C	D	E	F	G	H	J▲	K	M	N	S.L.	S▲	
FATN1	**N1①**	2 3/8"	1 3/4"	1 1/8"	.500"	1 1/2"	2"	1"	1/4"	9/32"	3/8 - 16	1/2"	11/16"	1 1/2"	1/4"	.4
FATH	**None②**	4	3	2	-	3	3 7/8	1 3/4	1/2	9/16	1/2 - 13	7/8	1 3/16	-	3/8	1.6
FATP	**None②**	4	3	2	-	3	3 7/8	1 3/4	1/2	9/16	5/8 - 11	7/8	1 3/16	-	3/8	1.5
FATQ	**None②**	4	3	2	-	3	3 7/8	1 3/4	1/2	9/16	3/4 - 10	7/8	1 3/16	-	3/8	1.4
FATQ	**N2③**	4	3	2	1.000	3	3 7/8	1 3/4	1/2	9/16	3/4 - 10	7/8	1 3/16	2 1/8	3/8	2.5
FATQ	**N3③**	4	3	2	1.000	3	3 7/8	1 3/4	1/2	9/16	3/4 - 10	7/8	1 3/16	3 1/8	3/8	2.6
FATQ	**N4③**	4	3	2	1.000	3	3 7/8	1 3/4	1/2	9/16	3/4 - 10	7/8	1 3/16	4 1/8	3/8	3.0
FATQ-1	**None②**	7 1/2	6	3 1/2	-	6	7 5/16	2 5/8	3/4	15/16	1 - 8	1 5/16	2 1/4	-	5/8	8.1
FATQ-1	**N5③**	7 1/2	6	3 1/2	1.500	6	7 5/16	2 5/8	3/4	15/16	1 - 8	1 5/16	2 1/4	4	5/8	10.6
FATQ-1	**N6③**	7 1/2	6	3 1/2	1.500	6	7 5/16	2 5/8	3/4	15/16	1 - 8	1 5/16	2 1/4	6	5/8	11.5

▲ Holes are cast, some variations maybe expected.
① Shaft is included.
② No shaft is required when used with Idler Bushings shown on page 188.
③ SHAFT MUST BE ORDERED SEPARATELY.



Malleable



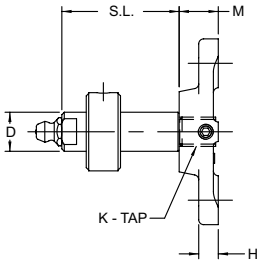


Table No. 1 Fixed Flange Tighteners

Part No.	Shaft	DIMENSIONS A	B▲	C	D	H	J▲	K	M	S.L.	* S▲	Wt. Lbs.
FFTN1	**N1①**	2 3/8"	1 3/4"	1 1/8"	.500"	1/4"	9/32"	3/8 - 16	1/2"	1 1/2"	1/4"	.3
FFTH	**None②**	4	3	2	-	1/2	9/16	1/2 - 13	15/16	-	3/8	.9
FFTP	**None②**	4	3	2	-	1/2	9/16	5/8 - 11	15/16	-	3/8	.9
FFTQ	**None②**	4	3	2	-	1/2	9/16	3/4 - 10	15/16	-	3/8	.8
FFTQ	**N2③**	4	3	2	1.000	1/2	9/16	3/4 - 10	15/16	2 1/8	3/8	1.6
FFTQ	**N3③**	4	3	2	1.000	1/2	9/16	3/4 - 10	15/16	3 1/8	3/8	1.8
FFTQ	**N4③**	4	3	2	1.000	1/2	9/16	3/4 - 10	15/16	4 1/8	3/8	2.1
FFFTQ-1	**None②**	7 1/2	6	3 1/2	-	3/4	15/16	1 - 8	1 7/16	-	5/8	4.8
FFTQ-1	**N5③**	7 1/2	6	3 1/2	1.500	3/4	15/16	1 - 8	1 7/16	4	5/8	7.3
FFTQ-1	**N6③**	7 1/2	6	3 1/2	1.500	3/4	15/16	1 - 8	1 7/16	6	5/8	8.5

▲ Holes are cast, some variations maybe expected.
① Shaft is included.
② No shaft is required when used with Idler Bushings shown on page 188.
③ Shaft must be ordered separately.

Table No. 2 Tighteners Shafts

Part No.	DIMENSIONS O.L.	D	K	T	S.L.	Wt. Lbs.
N1	2 5/16"	.500"	3/8 - 16	7/16"	1 1/2"	.13
N2	3 3/8	1.000	3/4 - 10	7/8	2 1/8	.6
N3	4 3/8	1.000	3/4 - 10	7/8	3 1/8	.9
N4	5 1/8	1.000	3/4 - 10	7/8	4 1/8	1.0
N5	5 11/16	1.500	1 - 8	1 5/16	4	2.8
N6	7 11/16	1.500	1 - 8	1 5/16	6	3.8

Table No. 3 Flat Face Idlers

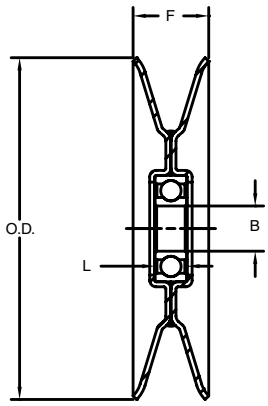
Part No.	Type	Shaft Length	DIMENSIONS O.D.	D	B	H	W	F	L	P	C	Wt. Lbs.	Radial Load Capacity in Pounds Based on 2500 Hours Average Life at rpm Shown ■ 100	500	1000	1500	2000	2500	3000	3500
N1D05F	1	1 1/2"*	1 3/4"	1 3/8	1/2"	1 1/4"	3/4"	9/16"	3/4"	1/8"	1/8"	.3	665	406	331	294	269	250	237	226
N4D1F	1	2 1/8*	4 3/8	4	1	1 7/8	1 7/16	1 1/16	1 1/4	1/8"	5/16	3.0	2927	1787	1458	1295	1185	1104	1047	997
N4D2F	1	3 1/8*	4 3/8	4	1	1 7/8	2 7/16	2 1/16	2 1/2	1/8"	1/16	5.0	4348	2654	2166	1922	1760	1640	1544	1482
N4D3F	1	4 1/8*	4 3/8	4	1	1 7/8	3 7/16	3 1/16	3 1/2	1/8"	1/16	7.8	5854	3574	2916	2590	2370	2208	2094	1994
N4D4F	1	6*	7	4	1 1/2	2 5/8	5	4 1/2	4	1/8"	1 1/8	22.5	5884	3592	2930	2602	2380	2218	2102	2004
N4D6F	1	6*	7	4	1 1/2	2 5/8	6 3/4	6 1/4	5	1/8"	1 7/8	29.5	5884	3592	2930	2602	2380	2218	2102	2004
4D1FH	2	H1▲	4 3/8	4	▲	-	1 7/16	1 1/16	7/8	-	9/16	3.4	1518	1016	854	772	718	678	648	624
4D2FP	2	P1▲	4 3/8	4	▲	-	2 7/16	2 1/16	1 5/16	-	1 1/8	4.6	1518	1016	854	772	718	678	648	624
4D3FP	2	P1▲	4 3/8	4	▲	-	3 7/16	3 1/16	1 5/16	-	2 1/8	5.6	1518	1016	854	772	718	678	648	624

Table No. 4 V-Belt Sheave Idlers

Part No.	Shaft Length	Belt Size	DIMENSIONS (inches) O.D.	Wt. Lbs.	Radial Load Capacity in Pounds Based on 2500 Hours Average Life at rpm Shown ■ 100	500	1000	1500	2000	2500	3000	3500
NOK17	1 1/2"	3L	1.92"	.1	665	406	331	294	269	250	237	226
NAK25	1 1/2	4L or A	2.50	.3	665	406	331	294	269	250	237	226
NAK30	1 1/2	4L or A	3.05	.5	665	406	331	294	269	250	237	226
NAK41	2 1/8	4L or A	3.95	1.0	2174	1327	1083	961	880	820	772	741
NBK40	2 1/8	5L or B	3.96	1.1	2174	1327	1083	961	880	820	772	741
NBK52	2 1/8	5L or B	4.96	1.6	2174	1327	1083	961	880	820	772	741

* For use with Drive Tighteners shown on pages 184 and 185 and above with shaft lengths indicated.
▲ For use with H-1 1/2 or P1-5/8 IDLER BUSHINGS shown on page188.
■ See page H-7 for factors to use for Average Life of more or less than 2500 hours.
All Browning Stock Idlers furnished with needle bearings have retainers that insure minimum internal friction and wear by separating the needle rollers. These bearings are inset approximately 1/8" on either end of the Idler hubs to form a grease cavity.

Stamped Steel Idler



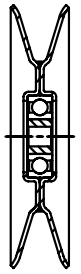
Features and Benefits

- Stamped Steel Idler For Drop-In Replacement of OEM Parts
- Wide Range of O.D.'s: 4.0", 5.0", 6.0", 7.0"
- Bore Sizes Available in 3/8", ½" and 17 mm
- Special Seam Weld For Added Strength
- Sealed for Life Ball Bearing
- Available From Stock

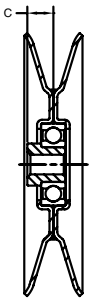
Table No. 1

PART NO.	DIMENSIONS					LBS. WEIGHT	RADIAL LOAD CAPACITY IN POUNDS BASED ON 2500 HOURS AVERAGE LIFE AT RPM SHOWN			
	O.D.	*BELT SIZE	B	F	L		500	1000	2000	4000
SIB40	4.0	5L-B-5V	.6693/.6690(17MM)	0.81	0.47	0.61	617	483	375	283
SIB50	5.0	5L-B-5V-C	.6693/.6690(17MM)	1.12	0.47	1.1	617	483	375	283
SIB60	6.0	5L-B-5V-C	.6693/.6690(17MM)	1.12	0.47	1.42	617	483	375	283
SIB70	7.0	5L-B-5V-C	.6693/.6690(17MM)	1.12	0.47	1.95	617	483	375	283

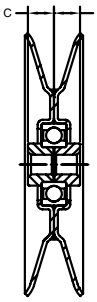
1 Bearing Bore Adaptor must be ordered separately. See Table 2
* The groove will accept wrapped and notched belts.



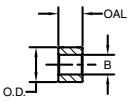
IDLER WITH SLEEVE



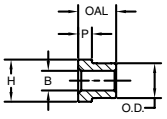
IDLER WITH SHOULDER TYPE 1



IDLER WITH SHOULDER TYPE 2



SLEEVE TYPE



SHOULDER TYPE

Table No. 2

PART NO.	DIMENSIONS						TYPE	LBS. WEIGHT
	B	C	O.D.	OAL	H	P		
IDLER BBA1	.376/.380	-	.6698(17MM)	0.46	-	-	SLEEVE	0.06
IDLER BBA2	.501/.505	-	.6698(17MM)	0.46	-	-	SLEEVE	0.06
IDLER BBA3	.376/.380	0.5	.6698(17MM)	0.73	0.81	0.26	SHOULDER TYPE 1	0.06
IDLER BBA4	.501/.505	0.5	.6698(17MM)	0.73	0.81	0.26	SHOULDER TYPE 1	0.06
IDLER BBA5	.376/380	0.5	.6698(17MM)	0.49	0.81	0.26	SHOULDER TYPE 2	0.05
IDLER BBA6	.501/.505	0.5	.6698(17MM)	0.49	0.81	0.26	SHOULDER TYPE 2	0.05
IDLER BBA7	.376/.380	.686	.6698(17MM)	.922	.81	.26	SHOULDER TYPE 1	0.08
IDLER BBA8	.376/.380	.686	.6698(17MM)	1.372	.81	.26	SHOULDER TYPE 2	0.07

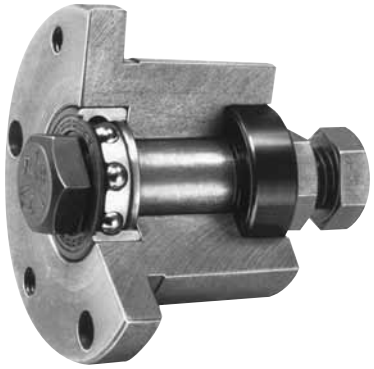
- Drawings are for reference only.
- Idlers above contain sealed for life ball bearings.
- Idler sheaves and bearing bore adapters are sold separately.
- See page 188 for factors to use for Average Life of more or less than 2500 hours.

Idler Bushings

Browning Idler Bushings provide Idlers in the following products:
Sheaves
- FHP
- Multiple
- Poly-V*
- 358

Gearbelt®
Pulleys
Gears

Furnished complete with:
- Ball bearings, cap screws, stud bolts and nuts



Available for H, P1, Q1 and R1 bore items.

Table No. 1 Specifications

Part No.	DIMENSIONS (inches)		Tapped Holes		Approx. Wt. Lbs
	O.D.	O.L.	No.	Size	
***IDH1 - 1/2**	2 1/2"	2 9/16"	2	1-4" - 20"	.9
***IDP1 - 5/8**	3	3 41/64	2	5/16 - 18	1.9
***IDQ1 - 3/4**	4 1/8	4 7/32	2	3/8 - 16	5.5
***IDQ1 - 1**	4 1/8	4 39/64	2	3/8 - 16	5.9
***IDR1 - 1 1/2**	5 3/8	6 1/2	2	3/8 - 16	14.1

* These sizes fit H, P, Q and Q1 Drive Tighteners shown on pages 184-186.
Note : Mount stud bolt in either direction.

Table No. 2 Load Ratings - Idler Bushings

Part No.	Radial Load Capacity in Pounds Based on 2500 Hours average Life at rpm Shown							
	100	500	1000	1500	2000	2500	3000	3500
IDH1 - 1/2	1518	1016	854	772	718	678	648	624
IDP1 - 5/8	1518	1016	854	772	718	678	648	624
IDQ1 - 3/4	3320	2222	1868	1688	1568	1486	1420	1366
IDQ1 - 1	3554	2378	2000	1806	1680	1590	1518	1462
IDR1 - 1 1/2	8326	5570	4684	4232	3936	3726	3560	3424

Average Life Factors

Radial load capacities shown for Needle Bearing Idlers and Idler Bushings are based on 2500 hours average life. If another average life is desired, these ratings must be modified by factors as follows:

500 Hours - 1.71	4000 Hours - .85	9000 Hours - .65
1000 Hours - 1.36	5000 Hours - .79	10000 Hours - .63
1500 Hours - 1.19	6000 Hours - .75	15000 Hours - .55
2000 Hours - 1.07	7000 Hours - .71	20000 Hours - .50
3000 Hours - .94	8000 Hours - .68	

Browning Drive Tighteners and Idlers

Correct operating tension is an important factor in the satisfactory performance and life an any V-belt or chain drive. As V-belts wear they seat themselves deeper in the sheave grooves. This sealing, along with belt stretch, lessens the initial tension. The result is slippage and loss in horsepower capacity unless some form of take-up is used to restore and maintain original tension.

As chains wear they elongate, which results in sway or slop and increased vibration. This puts undue shock into the drive and increases bearing wear.

Both V-belt and chain drives wear at an increased rate if allowed to run with insufficient tension. Adjustment of center distance is the best method of maintaining proper tension. In cases of fixed centers, Browning Drive Tighteners and Idlers provide the necessary means of take-up. The Browning Drive Tighteners also provide a means of obtaining extra belt or chain wrap frequently needed for extremely high ratios, multiple shaft or serpentine drives.

Careful consideration must be given to the following when using idlers:

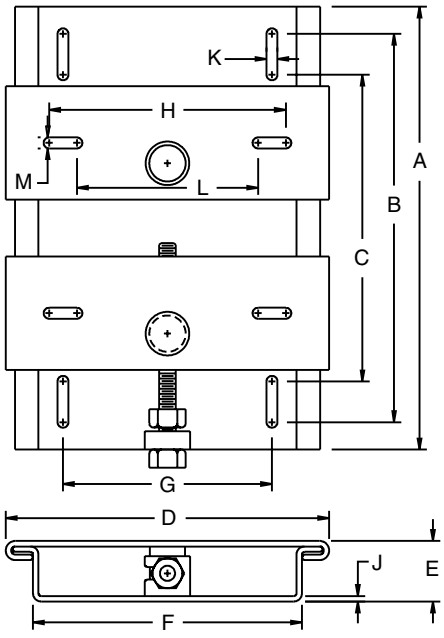
1. Too much tension in a drive causes excessive belt, chain and bearing wear.
2. Too little tension in a drive allows belt slippage or chain vibration, resulting in loss of power and additional wear.
3. All idlers should be used on the slack side of the drive.
4. V-belt drive idlers should be used on the inside of the belt. Allowance should be made for horsepower loss due to the reduced arc of contact.
5. Where necessary to use V-belt drive idlers on the outside of the belt, the reverse bending will reduce belt life.
6. Flat face pulley idlers can be used on either inside or outside of the belt.
7. Sprocket idlers should be used on the outside of chain drives and with at least three teeth engaged in the chain.
8. Idlers used on the inside of a drive should be located approximately 1/2 of the center distance from the large sheave, pulley or sprocket.
9. Idlers used on the outside of a drive should be located approximately 1/2 of the center distance from the small sheave, pulley or sprocket.

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

Sliding Motor Bases

Browning Wide Range Variable Speed and MVP® Drives require provision for more take-up than normal V-Drives. The belt must be free of the sheave groove to allow for adjustment of pitch diameter. Also the drive must be adjusted to proper tension and seating of belts.

The use of Browning Sliding Motor Bases provides easy and rapid movement of motor for making such adjustments. The adjusting screws can be quickly released, allowing maximum movement of motor with only a few turns of the adjusting screws.



Redesigned

All Steel Construction

Cadmium Plated Quick Release Adjusting Screws

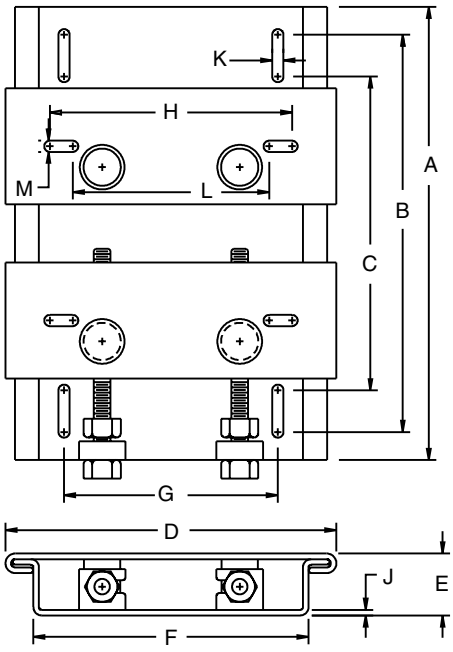


Table No. 1 **Specifications**

Part No.	Motor Frame	Adjustment	DIMENSIONS IN INCHES												Wt. Lbs.
			A	B	C	D	E	F	G	H	J	K	L	M	
MB145TX	48 56 143T, 145T	5 1/4" 4 5/8 4	12"	10"	7"	7 27/32"	1 11/16"	6 3/4"	4	5 3/4"	1/8"	7/16"	2 3/4"	7/16"	6
MB215TX	182, 182T 184, 184T 213, 213T 215, 215T	5 5 4 4	16	14	11	11 11/32	2 1/6	9 1/4	6 1/2	7	1/8	7/16	4	7/16	14
MB286TX	254T, 254U 256T, 256U 284T, 284U 286T, 286U	6 1/2 6 1/2 5 1/2 5 1/2	21	19	16 1/4	15 17/32	2 1/8	13 1/2	11 1/2	11	3/16	9/16	8 1/4	9/16	36
MB365TX	324T, 324U 326T, 326U 364T, 364U 365T, 365U,	7 7 5 1/2 5 1/2	24	22	18	17	2 3/16	15	11 1/2	12 1/4	1/4	11/16	10 1/2	11/16	48

Keys and Keystock

Table No. 1 Standard Keyseats

Old Standard Keyseats		New Standard Keyseats	
Bore Range	Keyseat	Bore Range	Keyseat
1/2" - 9/16"	1/8" x 1/16"	1/2" - 9/16"	1/8" x 1/16"
5/8 - 7/8	3/16 x 3/32	5/8 - 7/8	3/16 x 3/32
15/16 - 1 5/16	1/4 x 1/8	15/16 - 1 1/4	1/4 x 1/8
1 3/8 - 1 13/16	3/8 x 3/16	1 5/16 - 1 3/8	5/16 x 5/32
1 7/8 - 2 1/4	1/2 x 1/4	1 7/16 - 1 3/4	3/8 x 3/16
2 5/16 - 2 13/16	5/8 x 5/16	1 13/16 - 2 1/4	1/2 x 1/4
2 7/8 - 2 13/16	3/4 x 3/8	2 5/16 - 2 3/4	5/8 x 5/16
3 7/8 - 4 11/16	1 x 1/2	2 13/16 - 3 1/4	3/4 x 3/8
4 3/4 - 5 11/16	1 1/4 x 5/8	3 5/16 - 3 3/4	7/8 x 7/16
5 3/4 - 6 15/16	1 1/2 x 3/4	3 13/16 - 4 1/2	1 x 1/2
7 - 7 15/16	1 /34 x 7/8	4 9/16 - 5 1/2	1 1/4 x 5/8
		5 9/16 - 6 1/2	1 1/2 x 3/4
		6 9/16 - 7 1/2	1 3/4 x 5/8
		7 9/16 - 8	2 x 11/16

Table No. 2 Square and Rectangular Keys

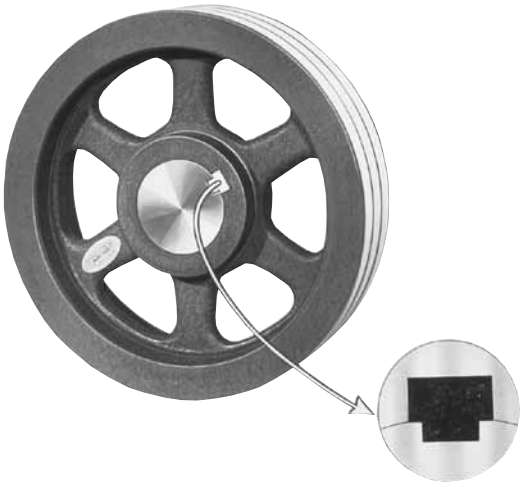
Single Keys		24* Lengths		Dimensions	
Part No.	*Max Length	**Part No.**	Weight Lbs.	A	B
K-24	3"	**S-24**	.13	1/8"	1/8"
K-25	3	**S-25**	.25	3/16	3/16
K-26	5	**R-26**	.31	1/4	3/16
K-27	5	**S-27**	.44	1/4	1/4
K-99	5	**S-99**	.63	5/16	5/16
K-28	5	**R-28**	.75	3/8	5/16
K-29	5	**S-29**	.88	3/8	3/8
K-41	7	**S-41**	1.0	7/16	7/16
K-30	7	**R-30**	1.4	1/2	7/16
K-31	7	**S-31**	1.5	1/2	1/2
K-39	7	**S-39**	2.0	9/16	9/16
K-37	7	**S-37**	2.6	5/8	5/8
K-38	9	**S-38**	3.0	11/16	11/16
K-32	12	**R-32**	3.0	3/4	1/2
K-33	12	**R-33**	3.1	3/4	5/8
K-34	12	**S-37**	3.6	3/4	3/4
K-40	12	**S-40**	5.1	7/8	7/8
K-35	12	**R-35**	4.9	1	3/4
K-36	12	**S-36**	6.5	1	1

* Single keys will be cut to desired length up to maximum length shown. When longer keys are specified we will furnish 24" lengths.

Table No. 3 Offset Keys

Single Keys		24* Lenghts		Dimensions			
Part No.	*Max Length	**Part No.**	Weight Lbs.	A	B	C	D
K-1	3"	**O-1**	.13	3/16"	3/32"	1/8"	1/16"
K-2	3	**O-2**	.25	3/16	3/32	1/4	3/32
K-3	5	**O-3**	.31	3/16	3/32	1/4	1/8
K-4	5	**O-4**	.44	1/4	1/8	5/16	1/8
K-5	5	**O-5**	.50	1/4	1/8	3/8	1/8
K-6	5	**O-6**	.63	1/4	1/8	3/8	3/16
K-7	5	**O-7**	.69	3/8	3/16	5/16	1/8
K-51	5	**O-51**	.75	3/8	3/16	5/16	5/32
K-8	5	**O-8**	.88	3/8	3/16	7/16	5/32
K-9	5	**O-9**	.81	3/8	3/16	1/2	3/16
K-10	5	**O-10**	1.3	3/8	3/16	1/2	1/4
K-11	7	**O-11**	1.3	1/2	1/4	7/16	5/32
K-12	7	**O-12**	1.5	1/2	1/4	9/16	3/16
K-13	7	**O-13**	1.5	1/2	1/4	5/8	3/16
K-14	7	**O-14**	2.0	1/2	1/4	5/8	5/16
K-15	7	**O-15**	2.0	1/2	1/4	11/16	1/4
K-100	9	**O-100**	1.8	5/8	5/06	5/8	3/16
K-16	9	**O-16**	2.4	5/8	5/16	11/16	1/4
K-101	12	**O-101**	2.6	3/4	3/8	1/2	1/4
K-17	12	**O-17**	2.6	3/4	3/8	5/8	3/16
K-18	12	**O-18**	3.2	3/4	3/8	5/8	5/16
K-19	12	**O-19**	3.0	3/4	3/8	11/16	1/4
K-20	12	**O-20**	3.4	3/4	3/8	13/16	9/32
K-21	12	**O-21**	4.4	3/4	3/8	7/8	7/16
K-22	12	**O-22**	3.8	3/4	3/8	15/16	5/16
K-23	12	**O-23**	5.8	3/4	3/8	1	1/2
K-410	12	**O-410**	5.8	1	1/2	7/8	7/16

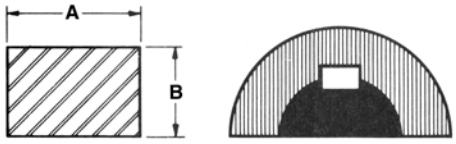
* Single keys will be cut to desired length up to maximum length shown. When longer keys are specified we will furnish 24" lengths.



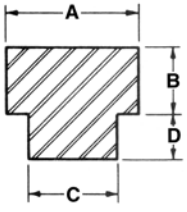
For use with anything which keys to the shaft:

- Sheaves
- Pulleys
- Couplings
- Sprockets
- Gears

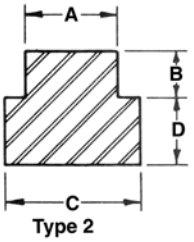
Square



Rectangular



Type 1

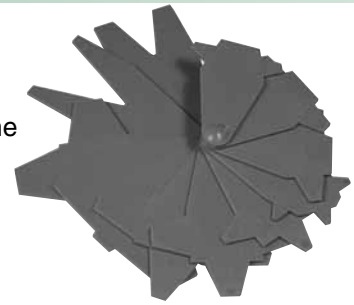


Type 2

Offset

V-Belt Accessories

Groove Gauge



Multi-tabbed plastic tool designed to help determine groove wear of sheaves.

Part Number	Weight
Groove Gauge	2.0

V-Belt Tension Checker

Indicates tension on all V-belt drives (3L, 4L, 5L, A, B, C, D, 3V, 5V and 8V). Compact, spring-loaded design. Easy to operate; instructions included. Adjustable for 10" to 170" belt span and up to 35 pounds of tension.

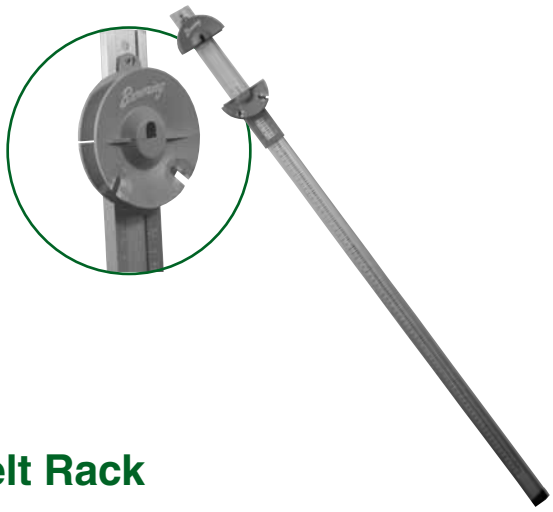
Note: proper tensioning is necessary to avoid premature belt wear.

Part Number	Weight
Belt Tension Checker	2.0

V-Belt Rule

Used to measure length of all sizes of V-belts (3L, 4L, 5L, A, B, 3V and 5V). Manufactured from durable aluminum. Wall mounting holes provided. Easily identifies V-belt length up to 100".

Part Number	Weight
3839 Belt Rule	2.0



V-Belt Rack

36" long rack with eight 6" hooks provided. Mounting holes provided for easy wall mounting. Order V-belts separately.

Part Number	Weight
Belt Rack	2.0

Browning® Couplings

Designed for light to medium range applications

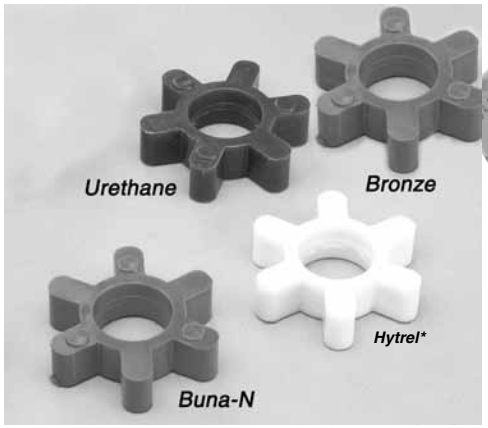
Four inserts to choose from

- Buna-N - oil resistant, rubber compound with excellent flexibility and shock absorption.
- Urethane - approximately 50% greater torque capacity than standard Buna-N.
- Hytrel* - flexible plastic material provides approximately three times the torque capacity of standard Buna-N.
- Bronze - intended for high torque, low speed applications and extreme temperatures to 450°F.

* Hytrel is believed to be a trademark and/or trade name of E.I. du Pont de Nemours & Company, and is not owned or controlled by Emerson Power Transmission Corp.


USA-BROWNING-LT10

"L" Jaw Type Couplings



Jaw Hub (Steel)

Jaw Hub Option Available: Stainless Steel & Aluminum

Type L Jaw Couplings offer a choice of four insert materials.

Coupling Selection Example

A coupling is required to drive a Pulp Grinder from a 1750 rpm, 20 hp motor approximately 16 hours per day. Motor shaft is 1 5/8" and grinder shaft is 1 7/8".

A. Determine the Service Factor

Note from Table No. 1 below that a pulp grinder is considered a "Class U" load but since it is to operate 16 hours per day, it must be classed as "H" and the Service Factor is 2 (see Table No. 1).

B. Determine the Design Horsepower

Multiplying the motor horsepower (20) by the service factor (2), a coupling rated at 40 hp or more is required.

C. Select the Coupling

From Table No. 2, page 196, note that a L150 coupling with a urethane insert is satisfactory.

D. Check Stock Bores to make sure coupling selected will accept shafts.

From Table No. 1, page 197, 1 5/8 and 1 7/8 are stock bores.

E. Order Coupling Components.

1 — L150 x 1 5/8 Hub
1 — L150 x 1 7/8 Hub
1 — L150U Insert

Table No. 1

CLASS E Even Load	CLASS U Uneven Load	CLASS H Heavy Shock Load
Agitors for liquids	Beaters	Boat propellers
Blowers, centrifugal	Compressors, centrifugal	Compressors, reciprocating
Conveyor, belt or chain smoothly loaded	Conveyors pulsating load	Crushers
Cranes	Grinders, pulp	Feeders, reciprocating
Elevator, smoothly loaded	Hoist	Machines, reversing or impact loads
Fans, centrifugal	Kilns and dryers	Mills, hammer
Generators	Line shafts, uneven load	Oil well pumping units
Line shafts,even load	Machines, pulsating load non-reversing	Presses
Machines, uniform load, non-revising	Mills, ball, blooming, pebble, tube	Pumps, simplex or duplex, reciprocating
Pumps centrifugal	Pumps, reciprocating	Refuse hogs
Screens,uniformly fed		
Worm gear speed reducers		

Table No. 2

Class	Characteristics of Driven Unit	Source of Power		
		Electric Motor or Steam Turbine	Steam Engine or Gasoline Engine 4 or more Cyl.	Diesel or Gas Engine
E	Even load - 8 hour/ day service* Non-reversing - low torque starting	1	1 1/2	2
U	Uneven Load - 8 hour/ day service* Moderate shock or torsional loads - Non reversing- This is the most common type of service.	1 1/2	2	2 1/2
H	Heavy shock load - 8 hour/ day service* High peak torsional loads - Reversing under load-Full load starting.	2	2 1/2	3

* For 16 to 24 hour/day service use service factor for next higher class loading.

Note: For even load, stand-by, seasonal or infrequent service the normal service rating of the coupling will determine its proper selection.

* Hytrel is believed to be a trademark and/or trade name of E.I. du Pont de Nemours & Company, and is not owned or controlled by Emerson Power Transmission Corp.

"L" Jaw Type Couplings

Insert Selection

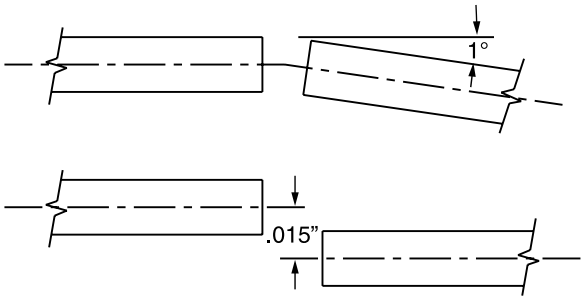
Type L Jaw Couplings are designed for applications in the light-to-medium duty range, with capacities and performance characteristics depending on the type of insert used. For maximum versatility in selection, we offer four different insert materials to suit the application. For proper selection refer to Table No. 2 on pages 60 and 61 and to the following:

Buna-N—This is the standard flexible insert material in Type L Jaw Couplings, serving the majority of applications. The material is an oil resistant rubber compound with excellent flexibility and shock absorption; temperature range is -40°F to +212°F.

Urethane—The urethane insert offers approximately 50% greater torque capacity than standard Buna-N, and in addition provides good chemical resistance. Temperature range is -30°F to +160°F.

Hytrel*—This tough flexible plastic material provides still greater torque capacity, approximately three times that of standard Buna-N, and superior temperature resistance with a range of -60°F to 250°F. Oil and chemical resistance are excellent.

Bronze—This insert is intended exclusively for high torque, low speed applications, up to 250 rpm only. Capacities are three times those of standard Buna-N. The material offers excellent resistance to oils, chemicals and extreme temperatures (-40°F to +450°F).



Type L Jaw Couplings permit angular misalignment up to 1° and parallel misalignment up to .015".

Misalignment Capability
Simplified Installation and Maintenance

Since power is transmitted between the two halves of the Type L Jaw Coupling by the resilient insert, it is not necessary to have perfect alignment between the shafts. The elastomeric insert design permits angular misalignment up to 1° (1/2° for Hytrel and bronze) and parallel misalignment up to .015", greatly simplifying installation in all types of industrial applications. Maintenance is minimal; the insert can be visually inspected, never needs lubrication. The coupling can continue to transmit power even if the elastomer insert becomes severly damaged or destroyed—minimizing downtime and increasing reliability.

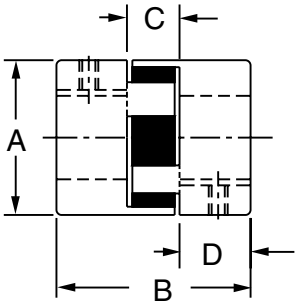
Table No. 1

Functionally and Dimensionally Interchangeable						Functionally Interchangeable**		
Browning Brand Type L	Lovejoy* Type L	Martin* Type ML	Jeffrey* Type L	Maurey* Type FC	Morse® Brand Type L	Browning® Brand JP and JS	Boston* Type FC	Gerbing* Type G
L035	L-035	ML 035	-	-	L035	-	-	-
L050	L-050	ML 050	L-050	FC-050	L050	-	-	-
L050	L-050	ML 050	L-050	FC-050	L050	JP1	-	-
L070	L-070	ML 070	L-070	FC-070	L070	JP2	FC-12	G-100
L090	L-090	ML 090	L-090	FC-090	L090	JP3	FC-15	-
L095	L-095	ML 095	L-095	FC-095	L095	JP4	-	G-300
L099	L-099	ML 099	L-099	FC-099	L099	-	FC-20	G-350
L100	L-100	ML 100	L-100	FC-100	L100	JP5	FC-25	G-500
L110	L-110	ML 110	L-110	FC-110	L110	-	-	G-1000
L150	L-150	ML 150	L-150	FC-150	L150	JS6	FC-30	G-1500
L190	L-190	ML 190	L-190	FC-190	L190	-	FC-38	G-2500
L225	L-225	ML 225	L-225	FC-225	L225	JS7	-	-

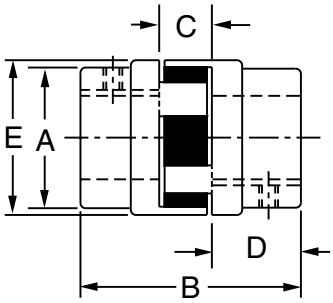
** Not Dimensionally Interchangeable

*The following are believed to be the trademarks and/or trade names of their respective owners and are not owned or controlled by Emerson Power Transmission Corp. Boston: IMO Industries Inc.; Gerbing: TB Wood's Inc.; Hytrel: E.I. du Pont de Nemours & Company; Jeffrey: Renold Public Limited Company; Lovejoy: Lovejoy, Inc.; Martin: Martin Sprocket & Gear, Inc.; Maurey: Maurey Manufacturing Corporation.

"L" Jaw Type Couplings



Type 1



Type 2

Table No. 1

Coupling Size	Type	Coupling Hubs: Dimension in Inches A	B	C	D	E	Wt. - Lbs Min. Bore	Max. Bore	INSERTS: Buna-N Part No.	Urethane Part No.	Hytrel** Part No.	Wt. Lbs.	Bronze Part No.	Wt. Lbs
L035	1	5/8	13/16	9/32	17/64	-	.01	.01	**L035N**	**-**	**-**	.01	**-**	-
L050	1	1 5/64	1 23/32	15/32	5/8	-	.29	.24	**L050N**	**-**	**L050H**	.01	**L050B**	.07
L070	1	1 23/64	2	1/2	3/4	-	.59	.54	**L070N**	**L070U**	**L070H**	.03	**L070B**	.13
L075	1	1 3/4	2 1/8	1/2	13/16	-	1.00	.86	**L075N**	**L075U**	**L075H**	.03	**L075B**	.13
L090	2	1.93	2 1/8	1/2	13/16	2.11	1.48	1.32	**L090/095N**	**L090/L095**	**L090/095H**	.03	**L090/095B**	.29
L095	2	1.93	2 1/2	1/2	1	2.11	1.75	1.52	**L095/095N**	**L090/L095**	**L090/095H**	.03	**L090/095B**	.29
L099	2	2.01	2 7/8	3/4	1 1/16	2.54	2.50	2.17	**L099/100N**	**L099/100U**	**L099/100H**	.07	**L099/100B**	.45
L100	2	2.24	3 1/2	3/4	1 3/8	2.54	3.42	2.92	**L099/100N**	**L099/100U**	**L099/100H**	.07	**L099/100B**	.45
L110	2	2.99	4 1/4	7/8	1 11/16	3.32	6.45	5.61	**L110N**	**L110U**	**L110H**	.13	**L110B**	.69
L150	2	3.15	4 1/2	1	1 3/4	3.75	8.95	7.73	**L150N**	**L150U**	**L150H**	.24	**L150B**	1.10
L190	2	4.02	5 1/4	1	2 1/8	4 1/2	8.83	7.04	**L190N**	**L190U**	**L190H**	.28	**L190B**	1.64
L225	2	4.37	6	1	2 1/2	5	12.28	9.60	**L225N**	**L225U**	**L225H**	.37	**L225B**	2.24

Table No. 2

Insert Material	Coupling Size	Maximum Bore	Maximum* rpm	Torque In.-Lbs	Horsepower Capacities at Indicated Speeds (rpm) 50	100	300	600	900	1200	1800	3600
Buna-N	L035	3/8"	31000	3.52	0.003	.0056	.017	.034	.05	.067	.10	.20
	L050	5/8	18000	25.8	.0205	.041	.123	.25	.37	.49	.74	1.48
	L070	3/4	14000	44.1	.035	.07	.21	.42	.63	.84	1.26	2.52
	L075	7/8	11000	88.2	.070	.14	.38	.76	1.26	1.68	2.52	5.04
	L090	1	9000	145	.115	.23	.69	1.38	2.07	2.76	4.14	8.28
	L095	1 1/8	9000	189	.150	.30	.90	1.80	2.70	3.60	5.40	10.8
	L099	1 3/16	7000	315	.250	.50	1.50	3.00	4.50	6.00	9.00	18.0
	L100	1 3/8	7000	416	.330	.66	1.98	3.96	5.94	7.92	11.9	23.8
	L110	1 5/8	5000	788	.630	1.25	3.75	7.50	11.3	15.0	22.5	45.0
	L150	1 7/8	5000	1260	1.00	2.00	6.00	12.0	18.0	24.0	36.0	72.0
	L190	2 18	5000	1702	1.35	2.70	8.10	16.2	24.3	32.4	48.6	97.2
	L225	2 3/8	4200	2332	1.85	3.70	11.1	22.2	33.3	44.4	66.6	133.2
Urethane	L070	3/4	14000	66.2	.053	.105	.32	.63	.95	1.26	1.89	3.78
	L075	7/8	11000	132	.105	.210	.63	1.26	1.89	2.52	3.78	7.56
	L090	1	9000	217	.173	.345	1.04	2.07	3.11	4.14	6.21	12.4
	L095	1 1/8	9000	284	.225	.450	1.35	2.70	4.05	5.40	8.10	16.2
	L099	1 3/16	7000	473	.375	.750	2.25	4.50	6.75	9.00	13.5	27.0
	L100	1 3/8	7000	624	.495	.990	2.97	5.94	8.91	11.9	17.8	35.6
	L110	1 5/8	5000	1182	.938	1.875	5.63	11.3	16.9	22.5	33.8	67.5
	L150	1 7/8	5000	1891	1.50	3.00	9.00	18.0	27.0	36.0	54.0	108.0
	L190	2 18	5000	2553	2.03	4.05	12.2	24.3	36.5	48.6	72.9	145.8
	L225	2 3/8	4200	3498	2.78	5.55	16.7	33.3	50.0	66.6	99.9	199.8
Hytrel and Bronze	L050	5/8	18000*	50.4	.04	.08	.24	.48	.72	.96	1.44	2.88
	L070	3/4	14000*	113	.09	.18	.54	1.08	1.77	2.16	3.24	6.48
	L075	7/8	11000*	227	.18	.36	1.08	2.16	3.24	4.32	6.48	13.0
	L090	1	9000*	391	.31	.62	1.86	3.72	5.58	7.44	11.2	22.3
	L095	1 1/8	9000*	567	.45	.90	2.70	5.40	8.10	10.8	16.2	32.4
	L099	1 3/16	7000*	788	.63	1.25	3.75	7.50	11.3	15.0	22.5	45.0
	L100	1 3/8	7000*	1134	.90	1.80	5.40	10.8	16.2	21.6	32.4	64.8
	L110	1 5/8	5000*	2269	1.80	3.60	10.8	21.6	32.4	43.2	64.8	129.6
	L150	1 7/8	5000*	3706	2.94	5.88	17.6	35.3	52.9	70.6	105.8	211.7
	L190	2 18	5000*	4683	3.72	7.43	22.3	446	66.9	89.2	133.7	267.5
	L225	2 3/8	4200*	6303	5.00	10.0	30.0	60.0	90.0	120.0	180.0	360.0

** Hytrel is believed to be a trademark and/or trade name of E.I. du Pont de Nemours & Company, and is not owned or controlled by Emerson Power Transmission Corp.

*NOTE—Couplings with Bronze Inserts limited to 250 rpm.

"L" Jaw Type Couplings

Table No. 1

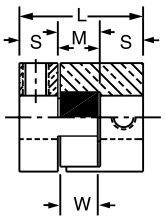
Stock Inch Bore Jaw Couplings

Stock Bores	Keyseat	L035	L050	L070	L075	L090	L095	L099	L100	L110	L150	L190	L225
1/8	No Kw.	X	-	-	-	-	-	-	-	-	-	-	-
3/16	No Kw.	X	-	-	-	-	-	-	-	-	-	-	-
1/4	No Kw./No SS	-	X	X	X	X	-	-	-	-	-	-	-
1/4	No Kw.	X	X	X	X	X	-	-	-	-	-	-	-
1/4	1/8 x 1/16	-	-	-	X	-	-	-	-	-	-	-	-
5/16	No Kw.	-	X	X	X	-	-	-	-	-	-	-	-
3/8	No Kw.	-	X	X	X	X	-	-	-	-	-	-	-
3/8	3/32 x 3/64	-	-	-	X	X	-	-	-	-	-	-	-
3/8	1/8 x 1/16	-	-	-	X	X	-	-	-	-	-	-	-
7/16	No Kw./No SS	-	-	-	-	-	X	X	-	-	-	-	-
7/16	No Kw.	-	-	-	X	X	X	X	X	-	-	-	-
7/16	3/32 x 3/64	-	-	-	X	X	X	X	X	-	-	-	-
7/16	1/8 x 1/16	-	-	-	X	X	X	X	X	-	-	-	-
1/2	No Kw./No SS	-	-	-	-	-	-	X	X	-	-	-	-
1/2	No Kw.	-	X	X	X	X	X	X	X	-	-	-	-
1/2	1/8 x 1/16	-	X	X	X	X	X	X	X	-	-	-	-
9/16	No Kw.	-	X	-	X	X	X	X	X	-	-	-	-
9/16	1/8x 1/6	-	X	X	X	X	X	X	X	-	-	-	-
5/8	No Kw./No SS	-	-	-	-	-	-	-	X	X	X	X	X
5/8	No Kw.	-	X	-	-	-	-	-	-	X	X	-	-
5/8	5/32 x 5/64	-	-	-	X	X	X	X	X	X	X	-	-
5/8	3/16 x 3/32	-	-	X	X	X	X	X	X	X	X	-	-
11/16	3/16 x 3/32	-	-	X	X	X	X	X	X	X	X	-	-
3/4	No Kw.	-	-	-	-	-	-	-	-	-	-	X	X
3/4	1/8 x 1/16	-	-	-	X	X	X	X	X	X	X	X	-
3/4	3/16 x 3/32	-	-	X	X	X	X	X	X	X	X	X	X
13/16	3/16 x 3/32	-	-	-	X	X	-	X	X	X	X	X	X
7/8	3/16 x 3/32	-	X	-	X	X	X	X	X	X	X	X	X
7/8	1/4 x 1/8	-	-	-	-	X	X	X	X	X	X	X	X
15/16	1/4 x 1/8	-	-	-	-	-	X	X	X	X	X	X	X
1	3/16 x 3/32	-	-	-	-	X	X	X	X	X	X	X	X
1	1/4 x 1/8	-	-	-	-	X	X	X	X	X	X	X	X
1 1/6	1/4 x 1/8	-	-	-	-	-	X	X	X	X	X	X	X
1 1/8	1/4 x 1/8	-	-	-	-	-	X	X	X	X	X	X	X
1 3/16	1/4 x 1/8	-	-	-	-	-	-	X	X	X	X	X	X
1 1/4	1/4 x 1/8	-	-	-	-	-	-	-	X	X	X	X	X
1 1/4	5/16 x 5/32	-	-	-	-	-	-	-	X	X	X	X	X
1 5/16	5/16 x 5/32	-	-	-	-	-	-	-	X	X	X	X	-
1 3/8	5/16 x 5/32	-	-	-	-	-	-	-	X	X	X	X	X
1 3/8	3/8 x 3/16	-	-	-	-	-	-	-	-	X	X	X	X
1 7/16	3/8 x 3/16	-	-	-	-	-	-	-	X	X	X	X	X
1 1/2	5/16 x 5/32	-	-	-	-	-	-	-	-	X	X	X	X
1 1/2	3/8 x 3/16	-	-	-	-	-	-	-	-	X	X	X	X
1 9/16	3/8 x 3/16	-	-	-	-	-	-	-	-	X	X	-	X
1 5/8	3/8 x 3/16	-	-	-	-	-	-	-	-	X	X	X	X
1 11/16	3/8 x 3/16	-	-	-	-	-	-	-	-	-	X	X	X
1 3/4	3/8 x 3/16	-	-	-	-	-	-	-	-	-	X	X	X
1 3/4	7/16 x 7/32	-	-	-	-	-	-	-	-	-	X	X	X
1 13/16	1/2 x 1/4	-	-		-	-	-	-	-	-	-	X	-
1 7/8	1/2 x 1/4	-	-		-	-	-	-	-	-	X	X	X
1 15/16	1/2 x 1/4	-	-		-	-	-	-	-	-	-	X	X
2	1/2 x 1/4	-	-		-	-	-	-	-	-	-	X	X
2 1/16	1/2 x 1/4	-	-		-	-	-	-	-	-	-	X	-
2 1/8	1/2 x 1/4	-	-	-	-	-	-	-	-	-	-	X	X
2 3/16	1/2 x 1/4	-	-	-	-	-	-	-	-	-	-	-	X
2 1/4	1/2 x 1/4	-	-	-	-	-	-	-	-	-	-	-	X
2 3/8	5/8 x 5/16	-	-	-	-	-	-	-	-	-	-	-	X

Table No. 2

Material	Flexibility	Shock Absorption	Oil Resistance	Chemical Resistance	Temperature Range (F°)	Angular Misalignment	Parallel Misalignment
Buna-N	Excellent	Excellent	Good	-	-40 to 212	1°	.015"
Urethane	Good	Good	Good	Good	-30 to 160	1°	.015"
Hytrel	Fair	Fair	Excellent	Excellent	-60 to 250	1/2°	.015"
Bronze	-	-	Excellent	Excellent	-40 to 450	1/2°	.010"

"J" Jaw Type Couplings



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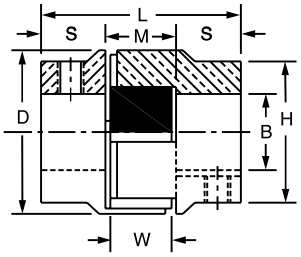

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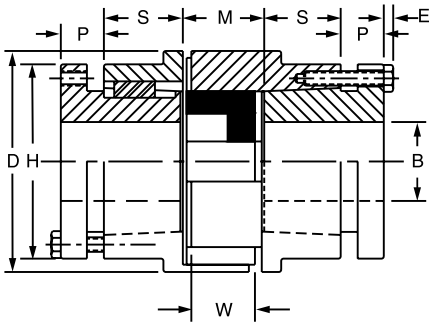


TYPE 3

Table No. 1 **Specifications - Finished Bore**

Coup.* Ref. No.	Half Coup. Part No.	Type	STOCK BORES MARKED "X"																DIMENSIONS						Wt. Lbs. Half Coup.
			3/8	1/2 ▲	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 7/16	1 1/2	1 5/8	1 7/8	1 15/16	2 1/8	2 3/8	D	H	L	S	M	W	
JP1	**CHJP1**	1	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1 1/16	-	1 21/32	9/16	17/32	7/16	.1
JP2	**CHJP2**	1	X	X	X	X	-	-	-	-	-	-	-	-	-	-	-	-	1 3/8	-	2 1/32	3/4	17/32	7/16	.2
JP3	**CHJP3**	2	-	X	X	X	X	-	-	-	-	-	-	-	-	-	-	-	1 3/4	1 3/4	2 5/32	13/16	17/32	7/16	.3
JP4	**CHJP4**	2	-	X	X	X	X	X	X	-	-	-	-	-	-	-	-	-	2 1/2	2 1/8	2 1/2	31/32	9/16	7/16	.7
JP5	**CHJP5**	2	-	-	X	X	X	X	X	X	X	X	X	-	-	-	-	-	2 11/16	2 11/16	3 1/2	1 3/8	3/4	5/8	1.5
JS5	**CHJS5**	2	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	2 11/16	2 11/16	3 1/2	1 3/8	3/4	5/8	1.5
JS6	**CHJS6**	2	-	-	-	X	X	X	X	X	X	X	X	X	X	X	-	-	3 7/16	3	4 1/2	1 3/4	1	7/8	3.5
JS7	**CHJS7**	2	-	-	-	-	-	-	X	-	X	-	-	X	X	-	X	X	4 11/16	4 1/4	5 9/16	2 1/4	1 1/6	1 5/16	8.8

* Packaged Half Couplings only. For Complete Couplings, order two Halves and one insert.
▲ Finished Bore Couplings with 1/2" bore have no keyways.

Table No. 2 **Specifications - Metric Couplings**

Coup.* Ref No.	Half Coup. Part No.	Type	STOCK BORES MARKED "X"																	DIMENSIONS						Wt. Lbs. Half Coup.
			9	11	12	14	16	18	19	20	22	24	25	28	30	32	38	42	48	D	H	L	S	M	W	
JS3	**MCHJS3**	2	-	-	X	X	X	X	X	X	X	-	-	-	-	-	-	-	-	44	40	55	21	13	11	.3
JS4	**MCHJS4**	2	-	-	-	-	X	X	X	X	X	X	X	X	-	-	-	-	-	54	51	64	26	14	11	.7
JS5	**MCHJS5**	2	-	-	-	-	-	-	-	-	X	X	X	X	X	X	X	-	-	68	64	89	35	19	16	1.5
JS6	**MCHJS6**	2	-	-	-	-	-	-	-	-	-	-	-	X	X	X	X	X	X	67	76	114	44	25	22	3.5

* Packaged Half Couplings only. For Complete Couplings, order two Halves and one insert.

Table No. 3 **Specifications - Bushed Type**

Coup. * Ref. No.	Half Coup. Part No.	Type	Bushing		DIMENSIONS								Wt. Lbs Half Coup.
			Size	Bore Range	D	H	L	S	M	W	P	E	
JS5H	**CHJS5H**	3	H	3/8 - 1/2	2 11/16	21/2	3 1/4	7/8	3/4	5/8	3/8	3/16	1.7
JS6P	**CHJS6P**	3	P1	1/2 - 1 3/4	3 7/16	3	5	1 3/8	1	7/8	5/8	1/4	1.9
JS7Q	**CHJS7Q**	3	Q1	3/4 - 2 11/16	4 11/16	4 1/8	6 3/16	1 13/16	1 1/16	15/16	3/4	9/32	5.0
JS9R	**CHJS9R**	3	R1	1 1/8 - 3 3/4	7 1/4	5 3/8	7 1/16	2 1/16	1 3/16	1 1/16	7/8	9/32	14.5

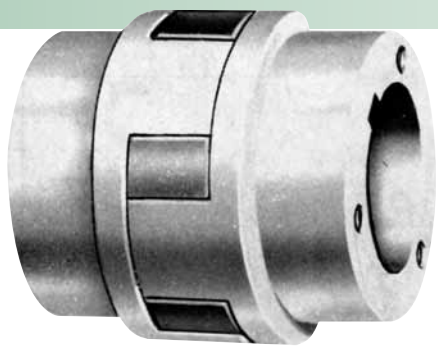
* Packaged Half Couplings only. For Complete Couplings, order two Halves and one insert.

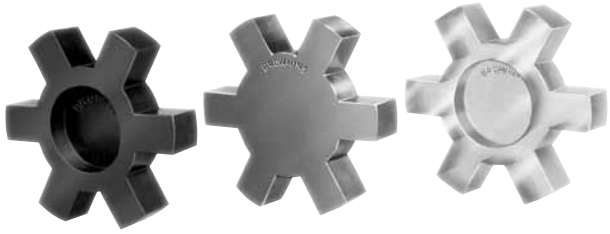
Table No. 4 **Standard Keyseats**

Bore Range	Keyseat	Bore Range	Keyseat
3/8" - 7/16"	None	1 7/16" - 1 3/4	3/8" x 3/16"
1/2 - 9/16	1/8" x 1/16	1 13/16 - 2 1/4	1/2 x 1/4
5/8 - 7/8	3/16 x 3/32	2 5/16 - 2 3/4	5/8 x 5/16
15/16- 1 1/4	1/4x 1/8	2 13/16 - 3 1/4	3/4 x 3/8
1 5/16 - 1/38	5/16 x 5/32	3 3/8- 3/4	7/8 x 7/16

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

"J" Jaw Type Couplings





NEOPRENE **BRONZE Oil Impregnated** **POLYURETHANE**

Stock Jaw Couplings are available from Browning® brand couplings with Neoprene Inserts for normal duty, quiet service. Stock couplings with bronze and polyurethane Inserts are available for heavier service, as indicated in Table No. 2 below.

Operating Temperature Range

Neoprene Inserts	–55° to 225° F
Polyurethane Inserts	–60° to 180° F
Bronze Inserts	–60° to 250° F

Table No. 1 **Jaw Coupling Inserts**

Coupling Ref.No.	Insert Part No.						Coupling Ref. No.	Insert Part No.					
	Neoprene	Wt. Lbs	Polyurethane	Wt. Lbs.	Bronze	Wt. Lbs.		Neoprene	Wt. Lbs.	Polyurethane	Wt. Lbs.	Bronze	Wt. Lbs.
JP1, JZ1	JZ1N Insert	.01	-		-		JP5, JS5, JS5H	JS5N Insert	.05	JS5U Insert	.05	JS5B Insert	.25
JP2, JZ2	JZ2N Insert	.01	-		-		JS5 & JS6P	JS5N Insert	.14	JS6U Insert	.13	JS6B Insert	.75
JP3	JZ3N Insert	.02	-		-		JS7 & JS7Q	JS7N Insert	.39	JS7U Insert	.39	JS7B Insert	2.00
JS3	JZ3N Insert	.02	JS3U Insert	.02	JS3B Insert	.13	JS9R	JS9N Insert	1.13	JS9U Insert	1.13		
JP4, JS4	JS4N Insert	.04	JS4U Insert	.04	JS4B Insert	.19							

Table No. 2 **Rating Chart - Normal Service**

Coupling Ref.	Max. Bore		Horsepower Capacities at Indicated Speeds							
No	Fin. Bore	Bushed Typed	50	100	300	600	900	1200	1800	3600
NEOPRENE INSERTS - For Quiet Service, Normal Duty Applications										
JP1, JZ1	1/2	-	-	.06	.18	.36	.55	.73	1.1	2.0
JP2, JZ2	3/4	-	-	.08	.25	.50	.75	1.0	1.5	2.8
JP3, JS3	7/8	-	-	.20	.60	1.2	1.8	2.4	3.6	6.6
JP4, JS4	1 1/8	-	-	.33	1.0	2.0	3.0	4.0	6.0	11.0
JP5, JS5, JS5H	1 11/16	1 1/2	-	.69	2.0	4.1	6.1	8.2	12.3	22.7
JS6 & JS6P	1 15/16	1 3/4	-	1.7	5.1	10.3	15.4	20.5	30.8	38.9
JS7 & JS7Q	2 3/8	2 11/16	-	3.1	9.4	18.8	28.1	37.5	56.3	71.1
HS9R	-	3 3/4	-	6.9	20.7	41.3	62.0	73.3	96.0	-
POLYURETHANE INSERTS - For Extra Capacity in Medium to High Speed Applications										
JP3, JS3	7/8	-	-	.30	.90	1.8	2.7	3.6	5.3	9.8
JP4, JS4	1 1/8	-	-	.50	1.5	3.0	4.5	6.0	9.0	16.6
JP5, JS5, JS5H	1 11/16	1 1/2	-	1.0	3.1	6.2	9.2	12.3	18.5	34.1
JS6 & JS6P	1 15/16	1 3/4	-	2.6	7.7	15.4	23.1	30.8	46.2	58.4
JS7 & JS7Q	2 3/8	2 11/16	-	4.7	14.1	28.1	42.2	56.3	84.4	106.6
JS9R	-	3 3/4	-	10.4	31.1	62.0	93.0	110.0	144.0	-
BRONZE INSERTS - OIL IMPREGNATED - For Low Speed, High Torque Applications										
JP3, JS3	7/8	-	.20	.40	1.2	2.4	3.6	4.7	7.1	-
JP4, JS4	1 1/8	-	.33	.66	2.0	4.0	6.0	8.0	12.0	-
JP5, JS5, JS5H	1 11/16	1 1/2	.68	1.4	4.1	8.2	12.3	16.4	24.7	-
JS6 & JS6P	1 15/16	1 3/4	1.7	3.4	10.3	20.5	30.8	41.1	-	-
JS7 & JS7Q	2 3/8	2 11/16	.21	6.3	18.8	37.5	56.3	75.1	-	-

Normal Service Ratings are steady, non-reversing, eight hour service per day, with normal starting torque motor. Apply Service Factor per page 188 for more rugged service.

To determine torque in inch pounds at any given speed use formula: $T = \frac{63025 \times hp}{rpm}$

Ratings for speeds less than 50 or 100 rpm can be determined by torque value derived from torque formula at 100 rpm
Small shafts in coupling bore range and short key applications may not transmit horsepowers listed above, check shaft and key stress.
Bronze inserts may be noisy on some applications.

Troubleshooting Guide For Browning V-belt Drives

What Happened	Probable Cause	What To Do
Belt stetched beyond takeup	Worn sheaves.	Replace sheaves.
	Underdesigned drive.	Redesign and replace drive.
	Takeup slipped.	Reposition takeup.
	Drive excessively tensioned.	Properly tension drive.
	Damaged cord section during installation.	Replace belt and properly install.
Excessive vibration	Damaged belt cord section.	Replace belt.
	Loose belt.	Tension belt.
	Belts improperly tensioned.	Tension drive with slack of each belt on the same side of the drive.
Belt too long at installation	Insufficient takeup.	Use shorter belts.
	Drive improperly set up.	Recheck driver and driven machine setup.
	Wrong size belt.	Use correct size belt.
Belt too short at installation	Insufficient takeup.	Use longer belts.
	Drive improperly set up.	Recheck driver and driven machine setup.
	Wrong size belt.	Use correct size belt.
Belts mismatched at installation	Belts matched by code number only.	Replace belts with Browning machine matched belts.
	Old belts and new belts used together on same drive.	Replace with new belts.
	Different brand name belts used together on same drive.	Replace with a set of Browning machine matched belts.
	Driver and driven shafts are not parallel.	Realign drives.
	Worn sheaves.	Replace sheaves.
Belts mismatched after service	Belts improperly tensioned, causing more stretch of some belts than others.	Replace belts and tension drive with slack of each belt on the same side of the drive.
	Old belts and new belts used together on same drive.	Replace with new belts.
	Different brand name belts used on same drive.	Replace with a set of Browning machine matched belts.
	Driver and driven shafts shifted from parallel.	Realign drives.
	Belt cord section damaged during installation.	Replace belts and install properly.

Troubleshooting Guide For Browning V-belt Drives

What Happened	Probable Cause	What To Do
Short belt life	Spin burns from belt slipping on driver sheave under stalled load conditions or when starting.	Tension belt.
	Gouges or extreme cover wear caused by belt rubbing on drive guards or other objects.	Eliminate obstruction or realign drive to provide clearance.
	High ambient temperature.	Use Gripnotch belts. Provide ventilation. Shield belt.
	Grease or oil on belt.	Check for leaky bearings. Clean belt and sheaves.
	Underdesigned drive.	Redesign drive.
	Worn sheaves.	Replace sheaves.
Belts turn over in groove	Damaged cord section in belts. Frayed or gouged belts.	Replace belts.
	Excessive vibration.	Tension belts. Replace belts if damaged. Use bended belts.
	Flat idler pulley misaligned.	Realign idler.
	Worn sheaves.	Replace sheaves.
	Sheave misalignment.	Realign drive.
Belt squeal	High starting load. Belt not tensioned properly. Excessive overload.	Tension drive or redesign and replace drive.
	Insufficient arc of contact.	Increase center distance or use Gripnotch belts.
Belt breakage	Foreign material in drive.	Provide drive guard.
	Belt damaged during installation.	Follow Browning V-belt Drive Installation instructions.
	Shock or extreme overload.	Eliminate overload cause or redesign drive.

⚠ WARNING

- Disconnect and lock-out power before installation and maintenance. Working on or near energized equipment can result in severe injury or death.
- Do not operate equipment without guards in place. Exposed equipment can result in severe injury or death.
- Read and follow all instructions carefully.

Troubleshooting Guide For Browning MVP® Variable Speed Belt Drives

What Happened	Probable Cause	What To Do
Short belt life	Spin burns from belt slipping on driver sheave under stalled load conditions or when starting.	Tension belt.
	Gouges or extreme cover wear caused by belt rubbing on drive guards or other objects.	Eliminate obstruction or realign drive to provide clearance.
	High ambient temperature.	Provide ventilaion. Shield belt. Use Gripnotch belts.
	Grease or oil on belt.	Check for leaky bearings. Clean belt and sheaves.
	Worn sheaves.	Replace sheaves.
	Misalignement	Use companion sheave and align with center grooves.
Belts turn over in groove	Damaged cord section in belts. Frayed or gouged belts.	Replace belts.
	Excessive vibration.	Tension belt. Replace belts if damaged.
	Flat idler pulley misaligned.	Realign idler.
	Worn sheaves.	Replace sheaves.
	Sheave misalignment.	Realign drive.
Belt squeal	High starting load. Belt not tensioned properly. Excessive overload.	Tension drive or redesign and replace drive.
	Insufficient arc of contact.	Increase center distance or use and replace drive.
Belt breakage	Foreign material in drive.	Provide drive guard.
	Belt damaged during installation.	Follow Browning V-belt Drive Installaion instructions.
	Shock or extreme overload.	Eliminate overload cause or redesign drive.
Belt stretch beyond takeup	Worn sheaves.	Replace sheaves.
	Underdesigned drive.	Redesign and replace drive.
	Takeup slipped.	Reposition takeup.
	Drive excessively tensioned.	Properly tension drive.
	Damaged cord section during installation.	Replace belt and properly install.
Excessive vibration	Damaged cord section.	Replace belt.
	Loose belt.	Tension belt.
Belt too long at installation	Insufficient takeup.	Use shorter belt.
	Drive improperly setup.	Recheck driver and driven machine set up.
	Wrong sized belt.	Use correct size belt.
Belt too short at installation	Insufficient takeup.	Use longer belt.
	Drive improperly setup.	Recheck driver and driven machine set up.
	Wrong sized belt.	Use correct size belt.

Troubleshooting Guide For Browning MVP® Variable Speed Belt Drives

What Happened	Probable Cause	What To Do
Belts mismatched at installation	Betls matched by code number only.	Replace belts with Browning machine matched belts.
	Old belts and new belts used together on same drive.	Replace with new belts. Never mix old and new belts on the same drive.
	Different brand name belts used together on same drive.	Replace with a set of Browning machine matched belts.
	Driver and driven shafts not parallel.	Realign drive.
	Worn Sheaves	Replace sheaves.
Belts mismatched after service	Belts improperly tensioned, causing more stretch of some belts than others.	Replace belts and tension drive with slack of each belt on the same side of the drive.
	Old belts and new belts used together on same drive.	Replace with new belts. Never mix old and new belts on the same drive.
	Different brand name belts used on same drive.	Replace with a set of Browning machine matched belts.
	Driver and driven shafts shifted from parallel.	Realign drive.
	Belt cord section damaged during installation	Replace belts and install properly.
Sheave fails to adjust	Fretting corrosion (Drive allowed to operate at one speed over a period of time.)	MVP sheave must be disassembled, cleaned and lubricated, then reassembled.
Sheave flange breaks	Mialignment (possible if a companion sheave is not used where required)	Replace sheave and align by the center grooves.

⚠ WARNING

- Disconnect and lock-out power before installation and maintenance. Working on or near energized equipment can result in severe injury or death.
- Do not operate equipment without guards in place. Exposed equipment can result in severe injury or death.
- Read and follow all instructions carefully.

Troubleshooting Guide For Browning Mounted Bearings

What Happened	Probable Cause	What To Do
Noise (high pitch)	Misalignment.	Correct alignment. Replace unit with a Browning self-aligning bearing.
Noise (low pitch)	Bearing brinelled.	Replace bearing.
Noise (intermittent rumbles and rattles)	Too much shaft to bearing bore clearance.	Use proper size shaft. Replace bearing with correct size unit.
	Dirt in bearing.	Purge bearing with grease. If necessary, replace unit.
	Lose machine parts	Tighten machine parts.
Bearing gets excessively hot	First start after relubrication (grease redistribution).	Allow machine parts to cool and restart.
	Over lubrication.	Use less lubricant.
	No lubricant.	Add lubricant.
	Excessive load.	Check bearing loads. Replace with a larger unit. If thrust load is caused by shaft expansion, an expansion type bearing should be used.
	Bearing located near a heat source.	Shield the bearing or move it away from the heat source.
	Bearing over misaligned.	Correct alignment.
	Excessive speed.	Check bearing ratings and speed limitations. Replace with a unit that is capable of high speed operation.
Excessive vibration	Unbalanced machine parts.	Balanced machine parts.
	Loose machine parts.	Check and tighten machine parts.
	Improper shaft to bearing bore fit.	Chech shaft size. Replace unit with correct bearing.
	Bent shaft.	Straighten or replace shaft.
	Bearing brinelled.	Replace bearing.
Shaft binds when rotated	Bent shaft.	Straighten or replace shaft.
	Misalignment.	Correct alignment. Replace unit with a Browning self-aligning bearing.
	Dirt in bearing.	Purge bearing with grease. If necessary, replace unit.
	Rotate interference.	Check clearance of rotating parts.
Wear of shaft steel	Too much shaft to bearing bore clearance.	Correct shaft fit. Use new shaft.
	Poor shaft finish.	Use new shaft. Smooth turn grind shaft to next smaller standard bore and install new bearing.

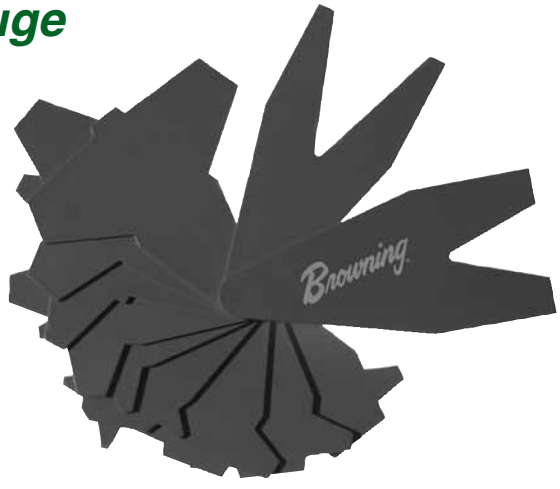
Corrective Maintenance and Troubleshooting of V-Belt Drives

SYMPTOMS \ CAUSES	Belts Pried On or Misplaced Slack	Belts Rubbing Guard	Sheaves Misaligned	Worn or Damaged Sheaves	Sheaves Too Far From Bearing	Poor Bearing or Shaft Condition	Insufficient Tension	Excessive Tension	Improper Sheave Installation	Belts Worn (Normal Service Life)	Wrong Belt Cross-Section or Type	Mismatched Belts or Mixed Brands	Machine-Induces Impulse or Shock	Improper or Prolonged Storage	Excessive Heat	Excessive Oil or Grease	Use of Belt Dressing	Abrasive Environment	Foreign Objects in Grooves	Excessive Moisture	Overloaded Drive Underbelting	Drive Seriously Overbelted	Sheaves Too Small	Insufficient Wrap on Small Sheave	Backside Idler
Rapid Sidewall Wear		●	●	✲			●				●			●	●	●	●	●		●					
Worn Cover on Back	✲																								●
Bell Turns Over Or Jumps Off Sheave	●						●				●		✲						●						
Belt Soft, Swollen																✲	●								
Belt Slips, Squeals (Spin Burn)				✲			✲				●					●				●	●			●	
Belt Cover Split	✲																		●						
Underside Cracked			●											●	✲								✲		✲
Tie-Band Damaged		●	●	✲															✲						
Repeated Breakage	●						●						●						●	✲					
Belts Ride Too High											✲						●								
Belts Bottoming				✲						●	●														
Repeated Take-up Necesssary				●			●				●										✲				
Belts Vibrate Excessively or Appear Mismatched			●	●			●	●				●	✲									●			
Bearing Are Hot				●	●	●		✲							●							●	●		
Shafts Whip or Bend				●	●	●		✲														●	●		
Cracked Bushings				●				✲																	
Sheave Wobble				●		●		✲																	

✲ Indicates most common causes
● Indicates other possible causes

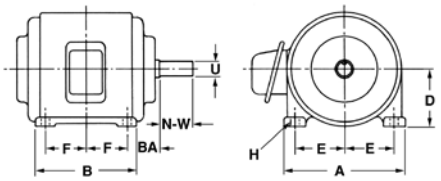
Browning Groove and V-Belt Gauge

Quick and easy way to identify sheave groove and V-belt type. Assists in checking for worn grooves.



Browning®

A Guide to NEMA* Motor Frames and Shaft Dimensions



Motor ratings and dimensions shown in Table No. 1, below, are for general purpose motors as indicated. Frames for the 1952 - 1953 and the 1964 rerates are shown. All dimensions are subject to change without notice. Those shown are intended as a guide only. Certified dimension drawings from the motor manufacturer should be used.

Table No. 1 **Specifications**

Frame No.	Dimensions									Keyseat		Key Length	hp for Various Motor rpm			
	A Max.	B Max.	D	E	F	H	BA	N-W	U	Width	Depth		3600	1800	1200	900
Fractional Horsepower Motors																
48	5 3/8"	3 1/2"	3"	2 1/8"	1 3/8"	11/32"s ▲	2 1/2"	1 1/2"	1/2"	Flat	3/64"	-	1/8-1/2	1/8-1/3	1/6	-
56	6.5	4.5	3.5	2 7/16	1 1/2	11/32 ▲	2.75	2 3/4	17/8	3/16"	3/32	1 3/8"	3/4-1	1/3-1	1/8-1/2	-
1952-53 Rerate -- Designs A, B and C -- Open Type -- Squirrel Cage -- Integral hp Motors																
182	9	6 1/2	4 1/2	3 3/4	2 1/4	13/32	2 3/4	2 1/4	7/8	3 1/6	3/32	1 3/8	1 1/2	1	3/4	1/2
184	9	7 1/2	4 1/2	3 3/4	2 3/4	13/32	2 3/4	2 1/4	7/8	3 1/6	3/32	1 3/8	3,2	2, 1 1/2	1 1/2, 1	3/4
213	10 1/2	7 1/2	5 1/4	4 1/4	2 3/4	13/32	3 1/2	3	1 1/8	1/4	1/8	2	5	3	2	1 1/2, 1
215	10 1/2	9	5 1/4	4 1/4	3 1/2	13/32	3 1/2	3	1 1/8	1/4	1/8	2	7 1/2	5	3	2
254U	12 1/2	10 3/4	6 1/4	5	4 1/8	17/32	4 1/4	3 3/4	1 3/8	5/16	5/32	2 3/4	10	7 1/2	5	3
256U	12 1/2	12 1/2	6 1/4	5	5	17/32	4 1/4	3 3/4	1 3/8	5/16	5/32	2 3/4	15	10	7 1/2	5
284U	14	12 1/2	7	5 1/2	4 3/4	17/32	4 3/4	4 7/8	1 5/8	3/8	3/16	3 3/4	20	15	10	7 1/2
286U	14	14	7	5 1/2	5 1/2	17/32	4 3/4	4 7/8	1 5/8	3/8	3/16	3 3/4	25	20	-	10
324U	16	14	8	6 1/4	5 1/4	21/32	5 1/4	5 5/8	1 7/8	1/2	1/4	4 1/4	-	25	15	-
324S*	16	14	8	6 1/4	5 1/4	21/32	5 1/4	3 1/4	1 5/8	3/8	3/16	1 7/8	30	-	-	-
326U	16	15 1/2	8	6 1/4	6	21/32	5 1/4	5 5/8	1 7/8	1/2	1/4	4 1/4	-	30	20	15
326S*	16	15 1/2	8	6 1/4	6	21/32	5 1/4	3 1/4	1 5/8	3/8	3/16	1 7/8	40	-	-	-
364U	18	15 1/4	9	7	5 5/8	21/32	5 7/8	6 3/8	2 1/8	1/2	1/4	5	-	40	25	20
364US*	18	15 1/4	9	7	5 5/8	21/32	5 7/8	3 3/4	1 7/8	1/2	1/4	2	50	-	-	-
365U	18	16 1/4	9	7	6 1/8	21/32	5 7/8	6 3/8	2 1/8	1/2	1/4	5	-	-	30	25
365US*	18	16 /14	9	7	6 1/8	21/32	5 7/8	3 3/4	1 7/8	1/2	1/4	2	60	50	-	-
404U	20	16 1/4	10	8	6 1/8	13/16	6 5/8	7 1/8	2 3/8	5/8	5/16	5 1/2	-	-	40	30
404US*	20	16 1/4	10	8	6 1/8	13/16	6 5/8	4 1/4	2 1/8	1/2	1/4	2 3/4	75	60	-	-
405U	20	17 3/4	10	8	6 7/8	13/16	6 5/8	7 1/8	2 3/8	5/8	5/16	5 1/2	-	-	50	40
405US*	20	17 3/4	10	8	6 7/8	13/16	6 5/8	4 1/4	2 1/8	1/2	1/4	2 3/4	100	75	-	-
444U	22	1	11	9	7 1/4	13/16	7 1/2	8 5/8	2 3/8	3/4	3/8	7	-	-	60	50
444US*	22	18 1/2	11	9	7 1/4	13/16	7 1/2	4 1/4	2 1/8	1/2	1/4	2 3/4	125	100	-	-
445U	22	20 1/2	11	9	8 1/4	13/16	7 1/2	8 5/8	2 3/8	3/4	3/8	7	-	-	75	60
445US*	22	20 1/2	11	9	8 1/4	13/16	7 1/2	4 1/4	2 1/8	1/2	1/4	2 3/4	150	125	-	-
1964 Rerate -- Designs A, B and C -- Open Type -- Squirrel Cage -- Integral hp Motors																
H143T	7	6	3 1/2	2 3/4	2	11/32	2 1/4	2 1/4	7/8	3/16	3/32	1 3/8	1 1/2	1	3/4	1/2
H145T	7	6	3 1/2	2 3/4	2 1/4	11/32	2 1/4	2 1/4	7/8	3/16	3/32	1 3/8	-	1 1/2	1	3/4
K145T	7	6	3 1/2	2 3/4	2 1/2	11/32	2 1/4	2 1/4	7/8	3/16	3/32	1 3/8	3, 2	2	-	-
182T	9	6 1/2	4 1/2	3 3/4	2 1/4	13/32	2 3/4	2 3/4	1 1/8	1/4	1/8	1 3/4	5	3	1 1/2	1
184T	9	7 1/2	4 1/2	3 3/4	2 3/4	13/32	2 3/4	2 3/4	1 1/8	1/4	1/8	1 3/4	7 1/2	5	2	1 1/2
213T	10 1/2	7 1/2	5 1/4	4 1/4	2 3/4	13/32	3 1/2	33/8	1 3/8	5/16	5/32	2 3/8	10	7 1/2	3	2
215T	10 1/2	9	5 1/4	4 1/4	3 1/2	13/32	3 1/2	33/8	1 3/8	5/16	5/32	2 3/8	15	10	5	3
254T	12 1/2	10 3/4	6 1/4	5	41/8	17/32	4 1/4	4	1 5/8	3/8	3/16	2 7/8	20	15	7 1/2	5
256T	12 1/2	12 1/2	6 1/4	5	5	17/32	4 1/4	4	1 5/8	3/8	3/16	2 7/8	25	20	10	7 1/2
284T	14	12 1/2	7	5 1/2	4 3/4	17/32	4 3/4	4 5/8	1 7/8	1/2	1/4	3 1/4	-	25	15	10
284TS*	14	12 1/2	7	5 1/2	4 3/4	17/32	4 3/4	3 1/4	1 5/8	3/8	3/16	1 7/8	30	-	-	-
286T	14	14	7	5 1/2	5 1/2	17/32	4 3/4	4 5/8	1 7/8	1/2	1/4	3 1/4	-	30	20	15
286TS*	14	14	7	5 1/2	5 1/2	17/32	4 3/4	3 1/4	1 5/8	3/8	3/16	1 7/8	40	-	-	-
324T	16	14	8	6 1/4	5 1/4	21/32	5 1/4	5 1/4	2 1/8	1/2	1/4	3 7/8	-	40	25	20
324TS*	16	14	8	6 1/4	5 1/4	21/32	5 1/4	3 3/4	1 7/8	1/2	1/4	2	50	-	-	-
326T	16	15 1/2	8	6 /14	6	21/32	5 1/4	5 1/4	2 1/8	1/2	1/4	3 7/8	-	50	30	25
326TS*	16	15 1/2	8	6 1/4	6	21/32	5 1/4	3 3/4	1 7/8	1/2	1/4	2	60	-	-	-
364T	18	15 1/4	9	7	5 5/8	21/32	5 7/8	5 7/8	2 3/8	5/8	5/16	4 1/4	-	60	40	30
364TS*	18	15 1/4	9	7	5 5/8	21/32	5 7/8	3 3/4	1 7/8	1/2	1/4	2	75	-	-	-
365T	18	16 1/4	9	7	6 1/8	21/32	5 7/8	5 7/8	2 3/8	5/8	5/16	4 1/4	-	75	50	40
365TS*	18	16 1/4	9	7	6 1/8	21/32	5 7/8	3 3/4	1 7/8	1/2	1/4	2	100	-	-	-
404T	20	16 1/4	10	8	6 1/8	13/16	6 5/8	7 1/4	2 7/8	3/4	3/8	5 5/8	-	100	60	50
404TS*	20	16 1/4	10	8	6 1/8	13/16	6 5/8	4 1/4	2 1/8	1/2	1/4	2 3/4	125	-	-	-
405T	20	17 3/4	10	8	6 7/8	13/16	6 5/8	7 1/4	2 7/8	3/4	3/8	5 5/8	-	125	75	60
405TS*	20	17 3/4	10	8	6 7/8	13/16	6 5/8	4 1/4	2 1/8	1/2	1/4	2 3/4	150	-	-	-
444T	22	18 1/2	11	9	7 1/4	13/16	7 1/2	8 1/2	3 3/8	7/8	7/16	6 7/8	-	-	100	75
444TS*	22	18 1/2	11	9	7 1/4	13/16	7 1/2	4 3/4	2 3/8	5/8	5/16	3	200	150	-	-
445T	22	20 1/2	11	9	8 1/4	13/16	7 1/2	8 1/2	3 3/8	7/8	7/16	6 7/8	-	-	125	100
445TS*	22	20 1/2	11	9	8 1/4	13/16	7 1/2	4 3/4	2 3/8	5/8	5/16	3	250	200	-	-

* These motors are for direct coupled service only. ▲ Slots.

* NEMA is believed to be a trademark and/or trade name of National Electrical Manufacturers Association, and is not owned or controlled by Emerson Power Transmission Corp.

Decimal-Millimeter Equivalents

Fractional	Decimal	M.M.	Fractional	Decimal	M.M.
1/64	.015625	0.397	33/64	.515625	13.097
1/32	.03125	.794	17/32	.53125	13.494
3/64	.046875	1.191	35/64	.546875	13.891
1/16	.0625	1.588	9/16	.5625	14.288
5/64	.078125	1.985	37/64	.578125	14.684
3/32	.09375	2.381	19/32	.59375	15.081
7/64	.109375	2.778	39/64	.609375	15.478
1/8	.125	3.175	5/8	.625	15.875
9/64	.140625	3.572	41/64	.640625	16.272
5/32	.15625	3.969	21/32	.65625	16.669
11/64	.171875	4.366	43/64	.671875	17.066
3/16	.1875	4.763	11/16	.6875	17.463
13/64	.203125	5.159	45/64	.703125	17.859
7/32	.21875	5.556	23/32	.71875	18.256
15/64	.234375	5.953	47/64	.734375	18.653
1/4	.250	6.350	3/4	.750	19.050
17/64	.265625	6.747	49/64	.765625	19.447
9/32	.28125	7.144	25/32	.78125	19.844
19/64	.296875	7.541	51/64	.796875	20.241
5/16	.3125	7.938	13/16	.8125	20.638
21/64	.328125	8.334	53/64	.828125	21.034
11/32	.34375	8.731	27/32	.84375	21.431
23/64	.359375	9.128	55/64	.859375	21.828
3/8	.375	9.525	7/8	.875	22.225
25/64	.390625	9.922	57/64	.890625	22.622
13/32	.40625	10.319	29/32	.90625	23.019
27/64	.421875	10.716	59/64	.921875	23.416
7/16	.4375	11.113	15/16	.9375	23.813
29/64	.453125	11.509	61/64	.953125	24.209
15/32	.46875	11.906	31/32	.96875	24.606
31/64	.484375	12.303	63/64	.984375	25.003
1/2	.500	12.700	1	1.000	25.400

Horsepower and Torque

Horsepower is the common unit of mechanical power.

$$hp = \frac{\text{Force x Feet per Minute}}{33000}$$

$$hp = \frac{\text{Torque in In.-Lbs. x rpm}}{63025}$$

One hp = .746 Kilowatt

One Kilowatt = 1.34 H.P.

Torque is a twisting moment or turning effort.

Torque in inch-pounds = Force x Lever Arm (Inches)

$$\text{Torque in inch-pounds} = \frac{63025 \times hp}{rpm}$$

The following table gives the torque in inch-pounds for one hp at various speeds.

Torque at One Horsepower

R.P.M.	In-Lbs.	R.P.M.	In-Lbs.	R.P.M.	In-Lbs.	R.P.M.	In-Lbs.
3500	18	580	109	90	700	14	4502
3000	21	500	126	80	788	12	5252
2400	26	400	158	70	900	10	6300
2000	32	300	310	60	1050	8	7878
1750	36	200	315	50	1260	6	10504
1600	39	180	350	40	1576	5	12605
1200	53	160	394	30	2101	4	15756
1160	54	140	450	20	3151	3	21008
1000	63	120	525	18	3501	2	31513
870	72	100	630	16	3939	1	63025

To find torque at any horsepower multiply values in table above by the horsepower required.
For intermediate speeds interpolate values in table above or solve the torque formula above.

Minimum Sheave Sizes NEMA® Standards

The National Electrical Manufacturers Association recommends certain limitations on sheave diameter and width for satisfactory motor operation. The selected sheave diameter should not be smaller nor the width greater than the dimensions below. These dimensions are from NEMA Standard MG1-14.42.

Frame	Horsepower at Sync, Speed, rpm				V-Belt Sheave (Inches) Conventional A, B, C, D, and E Sections		358 3V, 5V, and 8V Sections	
	3600	1800	1200	900	Min. Pitch Dia.	Max Width	Min. Outside Dia	Max. Width
143T	1 1/2	-	3/4	1/2	2.2	4 1/4	2.2	2 1/4
143T	2-3	-	1	3/4	2.4	4 1/4	2.4	2 1/4
182T	3	3	1 1/2	1	2.4	5 1/4	2.4	2 3/4
182T	5	-		-		5 1/4	2.4	2 3/4
184T	-	-	2	1 1/2	2.4	5 1/4	2.4	2 3/4
184T	5	-	-	-	2.6	5 1/4	2.4	2 3/4
184T	7 1/2		-	-	3.0	5 1/4	3.0	2 3/4
213T	7 1/2-10	7 1/2	3	2	3.0	6 1/2	3.0	3 3/8
215T	10	-	5	3	3.0	6 1/2	3.0	3 3/8
215T	15	10		-	3.8	6 1/2	3.8	3 3/8
254T	15	-	7 1/2	5	3.8	6 1/2	3.8	4
254T	20	15	-	-	4.4	6 1/2	4.4	4
256T	20-25	-	10	7 1/2	4.4	6 1/2	4.4	4
256T	-	20		-	4.6	6 1/2	4.4	4
284T	-	-	15	10	4.6	9	4.4	4 5/8
284T	-	25		-	5.0	9	4.4	4 5/8
286T	-	30	20	15	5.4	9	5.2	4 5/8
324T	-	40	25	20	6.0	10 1/4	6.0	5 1/4
326T	-	50	30	25	6.8	10 1/4	6.8	5 1/4
364T	-	-	40	30	6.8	11 1/2	6.8	5 7/8
364T	-	60		-	7.4	11 1/2	7.4	5 7/8
365T	-	-	50	40	8.2	11 1/2	8.2	5 7/8
365T	-	75	-	-	9.0	11 1/2	8.6	5 7/8
404T	-	-	60	-	9.0	14 1/4	8.0	7 1/4
404T	-	-		50	9.0	14 1/4	8.4	7 1/4
404T	-	100		-	10.0	14 1/4	8.6	7 1/4
405T	-		75	60	10.0	14 1/4	10.0	7 1/4
405T	-	100		-	10.0	14 1/4	8.6	7 1/4
405T	-	125		-	11.5	14 1/4	10.5	7 1/4
444T	-	-	100	-	11.0	16 3/4	10.0	8 1/2
444T	-	-	-	75	10.5	16 3/4	9.5	8 1/2
444T	-	125	-	-	11.0	16 3/4	9.5	8 1/2
444T	-	150	-	-			10.5	8 1/2
445T	-	-	125	-	12.5	16 3/4	12.0	8 1/2
445T	-	-	-	100	10.5	16 3/4	12.0	8 1/2
445T	-	150	-	-	-	-	10.5	8 1/2
445T	-	200	-	-	-	-	13.2	8 1/2

To obtain the minimum pitch diameters for flat belt, Gearbelt®, Poly-V*, chain or gear drives, multiply the 358 sheave pitch diameters in the table above by the following factors:

Drive	Factor
Chain	0.70
Flat Belt (Single Ply)	1.33
Gearbelt	0.90
Helical Gear	0.85
Poly-V	1.00
Spur Gear	0.75

* The following trademarks are believed to be the trademark and/or trade names of their respective owners, and are not owned or controlled by Emerson Power Transmission. NEMA: National Electrical Manufacturers Association; Poly-V: Veyance Technologies, Inc.

Browning®

A

B

C

D

E - F

G - H

I - J - K

L - M

N

Alpha-Numerical Part Number Index

1 (Continued)

2

3

Alpha-Numerical Part Number Index

Alpha-Numerical Part Number Index

EPT Edge® (Engineered Design, Guaranteed Economy) V-Belt drive optimization software that selects the lowest cost, most torque dense drives.

Input hp 15.0
Service Factor 1.25
Driver rpm 1750
Driver shaft 1.625"
Driven rpm 1100
Driven shaft 2.0"
Min. center distance 20"
Variable speed

This Solution is based on the use of EPT COMPONENTS. Substitution of competitive product may result in reduced drive life and/or unsatisfactory performance.

No.	Driver Sheave	Driver Bushing	Driven Sheave	Driven Bushing	Belt	Qty	Actual C.D.	Actual S.F.	Driven Speed	Cost
1.	1VP75		1B5V110	B	5VX710	1	20.90	1.37	1167/977	1.000
	If Driver is 0 turns open Driven RPM=1167 and CD=20.9 in. If Driver is 4 turns open Driven RPM=1041 and CD=21.49 in. Correct tension for this drive (8.74 Lb. should deflect belt 0.33 In.) will have 278 Lb. 'running' Hub Load									
2.	2VP60		2B5V86	B	BX61	2	20.20	1.26	1160/924	1.070
	If Driver is 0 turns open Driven RPM=1160 and CD=20.2 in. If Driver is 3 turns open Driven RPM=1042 and CD=20.65 in. Correct tension for this drive (5.96 Lb. should deflect belt 0.32 In.) will have 344 Lb. 'running' Hub Load									
3.	2VP65		2B5V86	B	BX61	2	19.82	1.26	1258/1022	1.106
	If Driver is 2.5 turns open Driven RPM=1160 and CD=20.2 in. If Driver is 5.5 turns open Driven RPM=1042 and CD=20.65 in. Correct tension for this drive (5.65 Lb. should deflect belt 0.31 In.) will have 342 Lb. 'running' Hub Load									
4.	2VP65		2B5V90	B	5VX650	2	20.29	2.05	1231/1000	1.265
	If Driver is 1.5 turns open Driven RPM=1173 and CD=20.51 in. If Driver is 5 turns open Driven RPM=1038 and CD=21.04 in. Correct tension for this drive (5.5 Lb. should deflect belt 0.32 In.) will have 335 Lb. 'running' Hub Load									
5.	2VP65		2Q5V90	Q1	5VX650	2	20.45	1.95	1258/1022	1.507
	If Driver is 2.5 turns open Driven RPM=1160 and CD=20.83 in. If Driver is 5.5 turns open Driven RPM=1042 and CD=21.28 in. Correct tension for this drive (5.48 Lb. should deflect belt 0.32 In.) will have 342 Lb. 'running' Hub Load									
6.	2VP65		2Q5V92	Q1	5VX650	2	20.21	2.05	1217/989	1.537
	If Driver is 1.5 turns open Driven RPM=1160 and CD=20.43 in. If Driver is 5 turns open Driven RPM=1027 and CD=20.95 in. Correct tension for this drive (5.5 Lb. should deflect belt 0.32 In.) will have 332 Lb. 'running' Hub Load									
7.	2VP75		2B5V110	B	5VX710	2	20.90	2.75	1167/977	1.653
	If Driver is 0 turns open Driven RPM=1167 and CD=20.9 in. If Driver is 4 turns open Driven RPM=1041 and CD=21.49 in. Correct tension for this drive (5.17 Lb. should deflect belt 0.33 In.) will have 278 Lb. 'running' Hub Load									
8.	2VP75		2Q5V109	Q1	5VX690	2	20.14	2.63	1199/1005	1.904
	If Driver is 1 turns open Driven RPM=1167 and CD=20.29 in. If Driver is 5 turns open Driven RPM=1037 and CD=20.88 in. Correct tension for this drive (5.17 Lb. should deflect belt 0.31 In.) will have 285 Lb. 'running' Hub Load									
9.	2VP75		25V1130SK	SK	5VX710	2	20.81	2.74	1156/969	1.960
	If Driver is 0 turns open Driven RPM=1156 and CD=20.81 in. If Driver is 4 turns open Driven RPM=1031 and CD=21.4 in. Correct tension for this drive (5.18 Lb. should deflect belt 0.33 In.) will have 276 Lb. 'running' Hub Load									
10.	2MVP45B59		2B5V90	B	BX62	2	20.14	1.38	1167/903	2.185
	If Driver is 0.25 turns open Driven RPM=1167 and CD=20.14 in. If Driver is 3 turns open Driven RPM=1035 and CD=20.67 in. Correct tension for this drive (5.79 Lb. should deflect belt 0.31 In.) will have 330 Lb. 'running' Hub Load									

Drives above meet your criteria - Selection below is best disregarding options

	1VP75		1B5V110	B	5VX710	1	20.90	1.37	1167/977	1.000
	If Driver is 0 turns open Driven RPM=1167 and CD=20.9 in. If Driver is 4 turns open Driven RPM=1041 and CD=21.49 in. Correct tension for this drive (8.74 Lb. should deflect belt 0.33 In.) will have 278 Lb. 'running' Hub Load									

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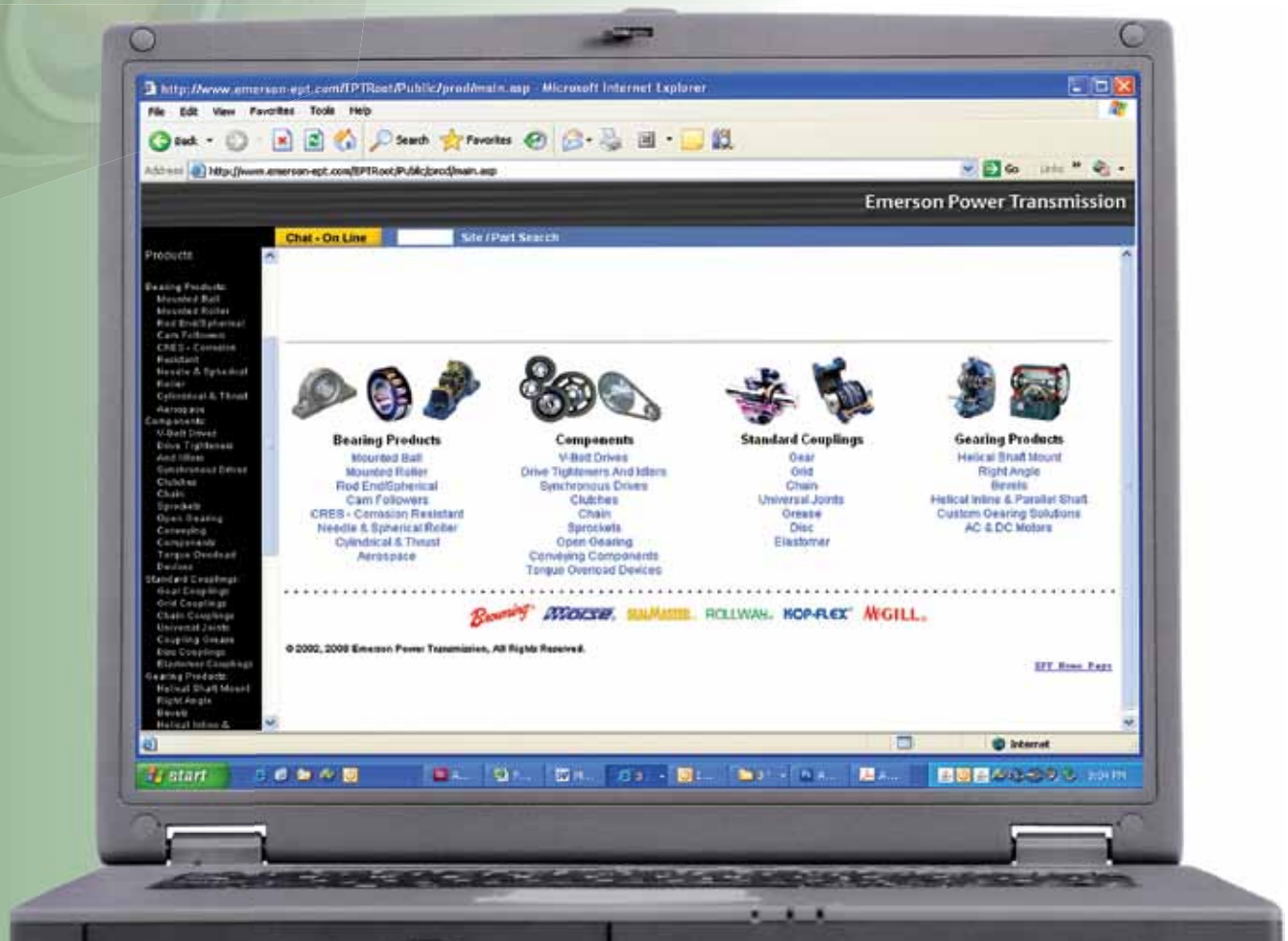

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