Rex®

apron conveyors
and feeders

designed to meet your material handling requirements

Rex®

apron conveyors and feeders

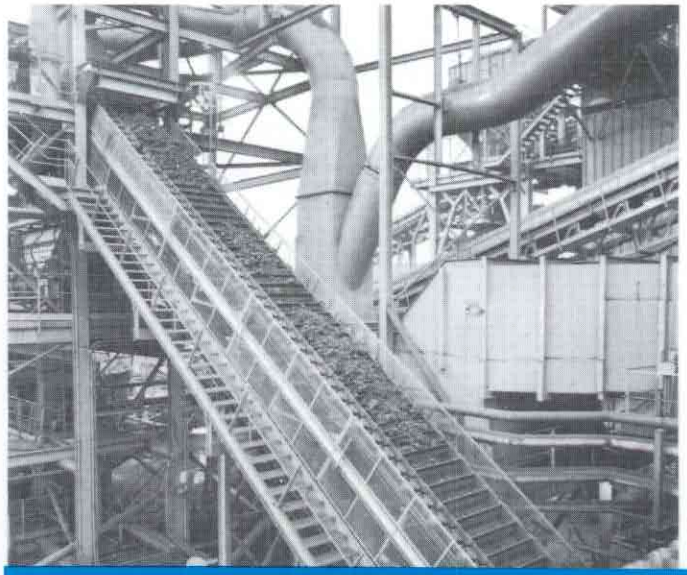
INDUSTRY'S MOST PREFERRED CONVEYOR

Look to Rexnord for solutions to your bulk material handling and feeding problems. Whether you are handling hot clinker in the cement industry, feeding and blending raw materials or conveying sugar cane, Rexnord has the answers.

- Rex apron conveyors and feeders are performing around the world.
- Rex apron conveyors and feeders combine the most advanced design with a complete selection to meet all capacity requirements and conveyor profiles.
- Rex conveyors and feeders now available with patented adjustable take-up.
- Rex MD (multiple discharge) pan conveyor now available.
- All conveyor components — conveyor chain, sprockets, drive chain, bearings and take ups — are manufactured by Rexnord and designed to match your material handling requirements with a single manufacturing responsibility.

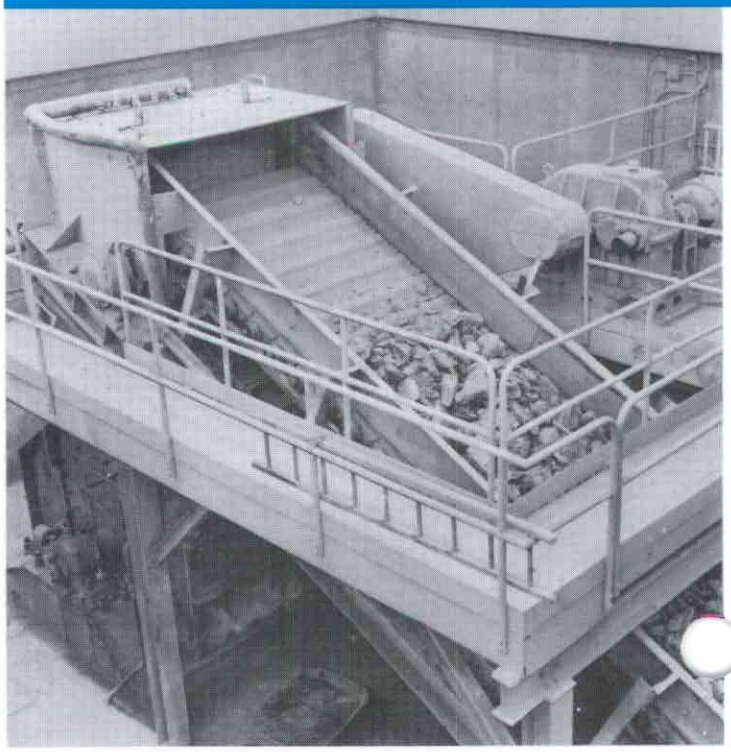
TABLE OF CONTENTS **Page No.**

STEEL INDUSTRY . . . . .



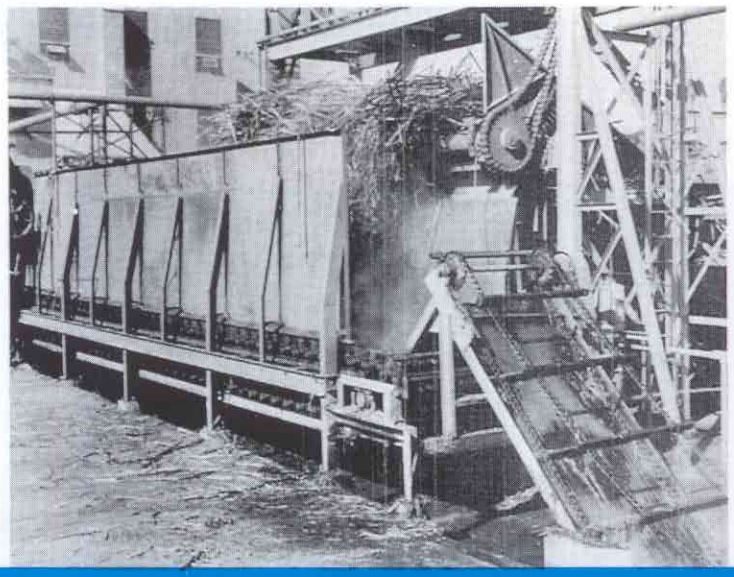
Rex apron conveyor handling hot sinter in this steel mill.

CEMENT INDUSTRY . . . . .



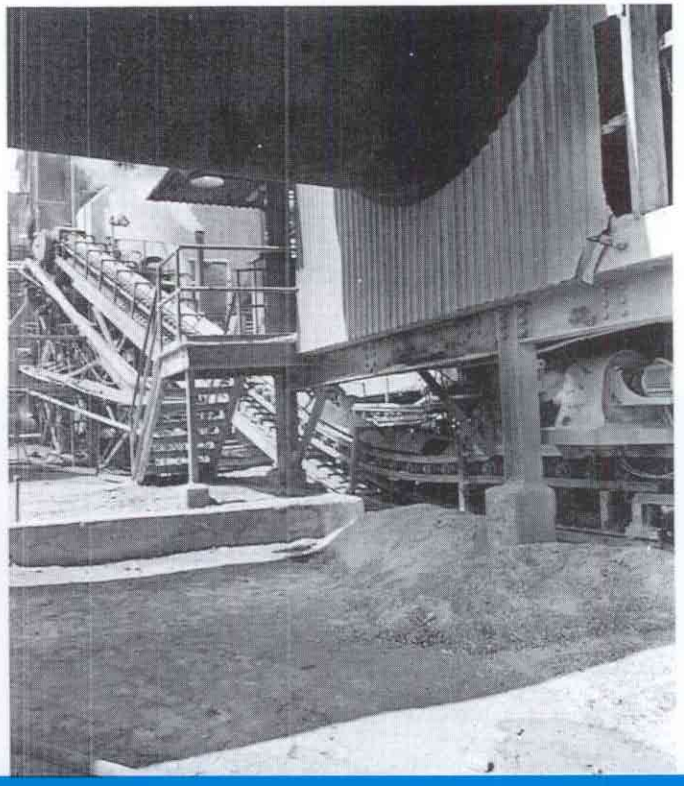
Rex apron conveyor handling limestone in a cement plant.

SUGAR INDUSTRY . . . . .



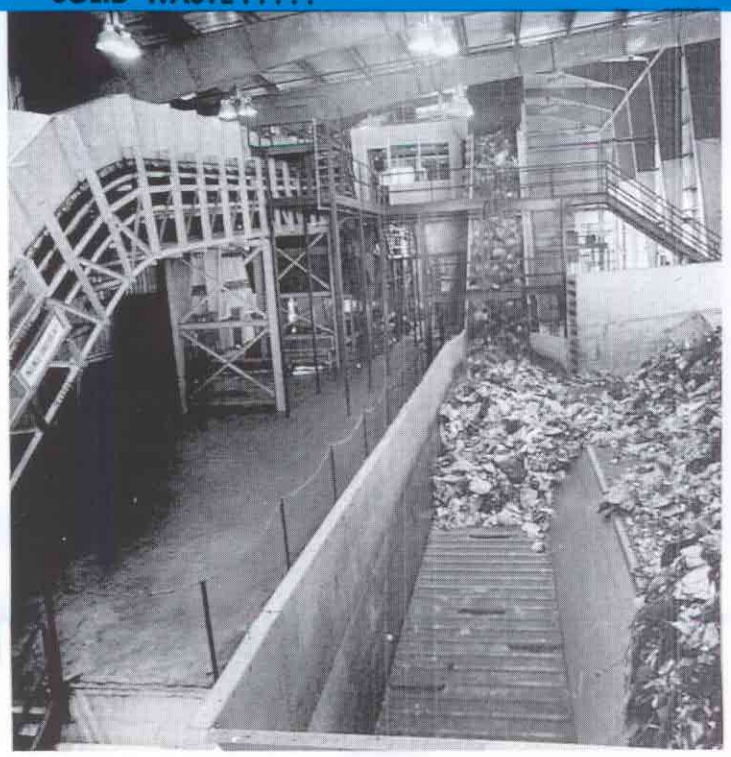
This main cane carrier consists of a Rex apron conveyor in a sugar processing plant.

PAPER INDUSTRY . . . . .



Hot lime being conveyed on Rex apron conveyor in this paper mill.

SOLID WASTE . . . . .



Rex apron conveyor delivers solid waste to shredder in this resource recovery plant.

MAJOR INDUSTRIES SERVED

Cement industry
- handling raw materials
- clinker handling
- to and from crushers

Steel industry
- mining
- pellet plants
- sinter plants

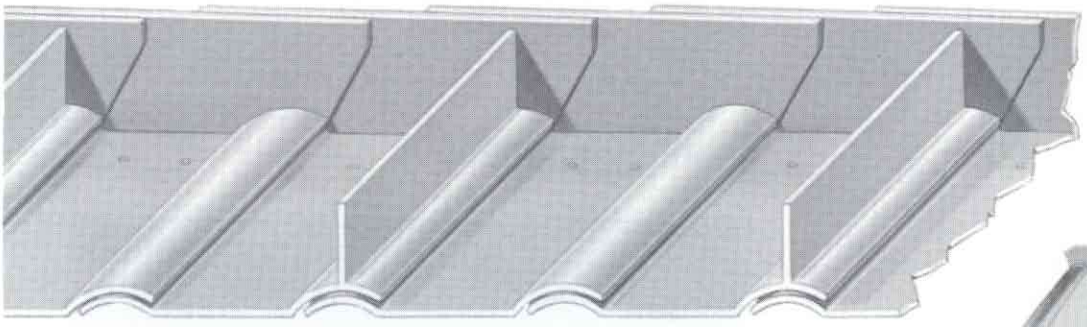
Paper industry
- hot lime
- pulper feed

Sugar industry
- main cane carriers

Glass industry
- raw material handling — storage and reclaim

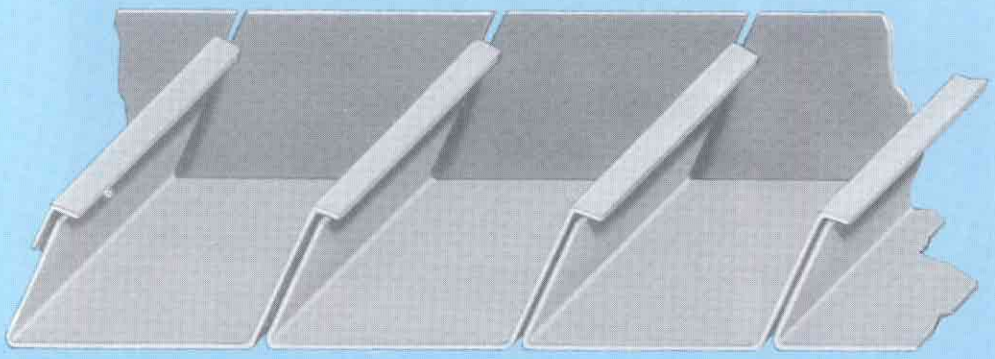
Chemical industry
- feeding and blending raw materials

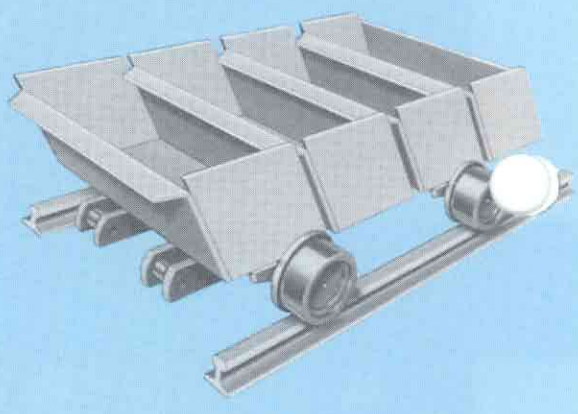
Solid waste industry
- resource recovery
- baling
- transfer stations



style **A**

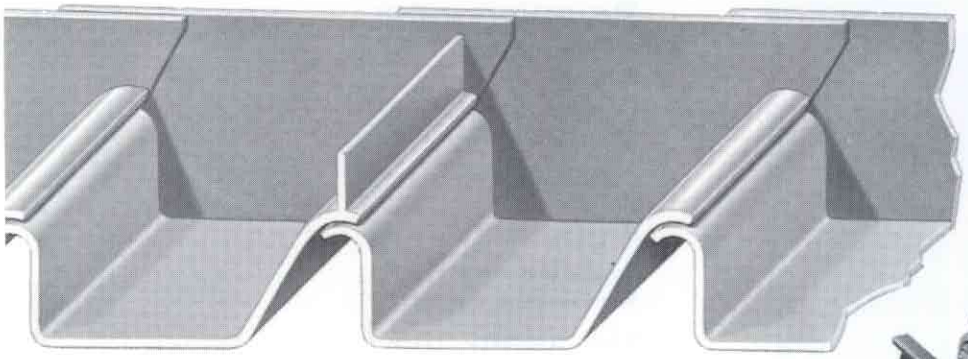
TRAVEL

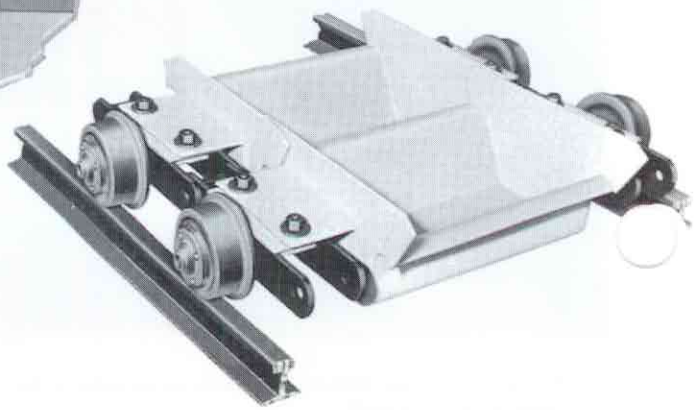




style **B**

TRAVEL





TRAVEL

style **C**

style **A**

apron design features

1 Available for both conveyors and feeders
2 Horizontal and incline angles up to 20°
3 Material temperatures — ambient to 600°F.
4 Available with or without pushers
5 Available in ¼", ⅜", ½" pan thicknesses
6 Available with interchangeable style 2, style 2A, style 1 and style 1A roller assemblies.

TYPICAL STYLE A PAN APPLICATIONS:

- primary crushed ore and rock
- cement clinker
- sugar cane
- castings — shake out and sorting
- solid waste
- baled paper and broke
- slag
- coal
- pellets
- steel crops and skelp trims
- cullet

style **B**

deep bucket design features

1 For conveyor applications only
2 Steep inclines — angles 30° to 60 °
3 Material temperatures — ambient to 900° F w/occasional surges to 2000° F
4 High capacities
5 No wear on buckets due to contact at articulation points
6 No leakage of fines
7 10 gauge and 7 gauge bucket thickness as standard
8 Available with interchangeable style 2, style 2A, style 1 and style 1A roller assemblies.
9 Uniform lump size — 4" maximum

TYPICAL STYLE B DEEP BUCKET APPLICATIONS:

- cement clinker
- coal
- pellets
- sinter
- slag
- lime

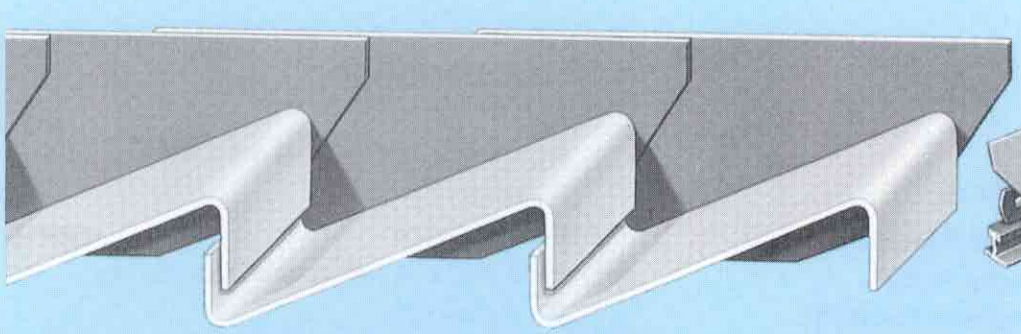
style **C**

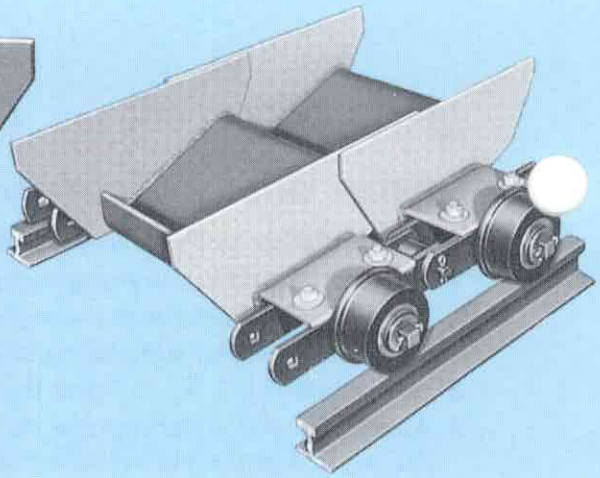
pan design features

1 For conveyor applications only
2 Horizontal and incline angles up to 50°
3 Hot materials — temperatures up to 2000° F
4 High capacities combined with steep incline angles (up to 50°)
5 Available with or without pushers
6 ½" pan thickness as standard
7 Available with interchangeable style 2, style 2A, style 1 and style 1A roller assemblies.
8 Large lump size capability

TYPICAL STYLE C PAN APPLICATIONS:

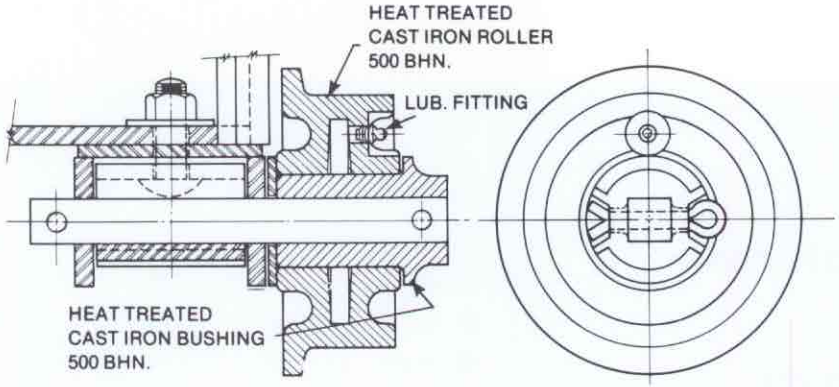
- hot cement clinker
- hot pellets — stock out and emergency exit
- hot lime
- hot slag
- hot sinter





style **Z**

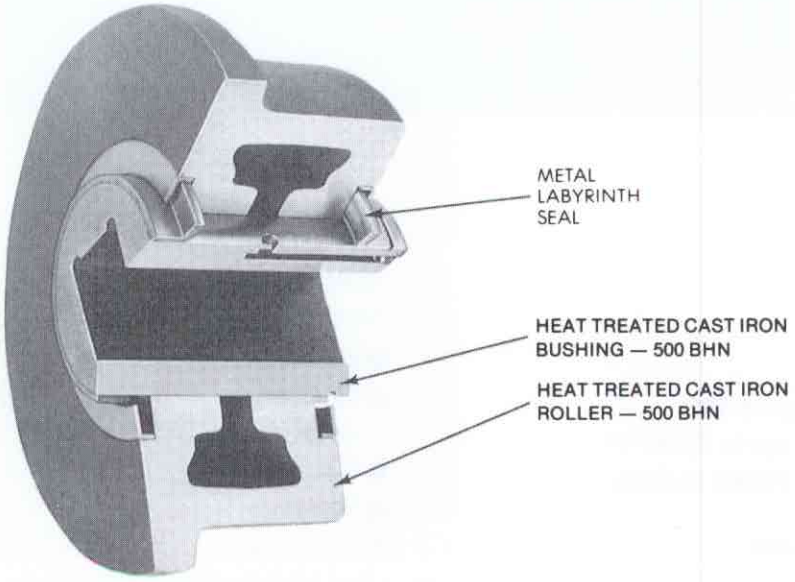
TRAVEL



style **2** roller

applications

- sugar cane carriers
- hot lime conveyors
- casting conveyors
- limestone, coal and light ore conveyors
- medium duty feeders
- solid waste



style **2A** roller

applications

- sugar cane carriers
- hot lime conveyors
- casting conveyors
- limestone, coal and light ore conveyors
- medium duty feeders
- solid waste

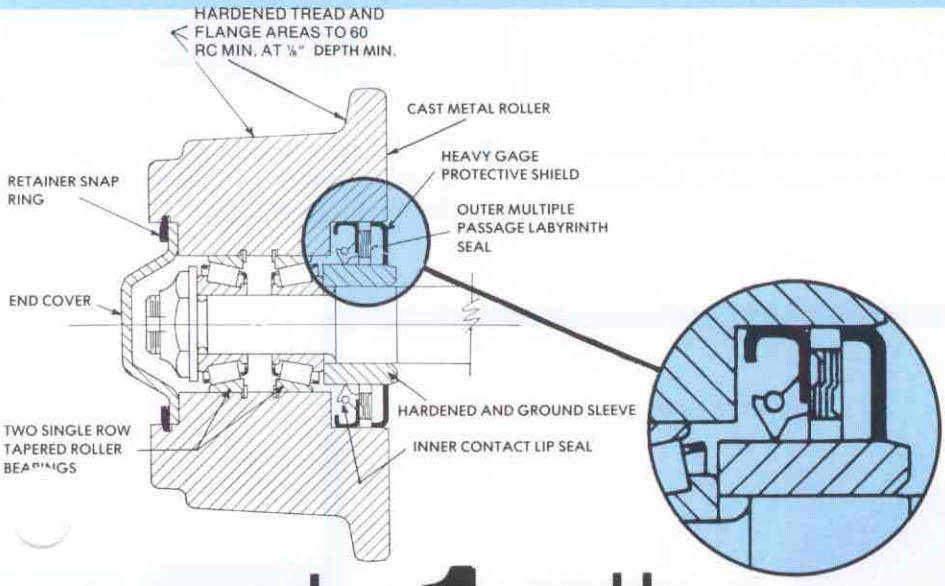
style **Z**

apron design features

1 Available for both conveyors and feeders.
2 Horizontal and incline angles up to 30°.
3 Material temperature — ambient to 600°F.
4 Available with or without pushers.
5 Available in 7 ga., ¼", ⅜", pan thickness.
6 Available with interchangeable style 2, style 2A, style 1 and style 1A roller assemblies.

TYPICAL STYLE Z PAN APPLICATIONS:

- solid waste
- baled paper and broke
- for other applications — consult Rexnord

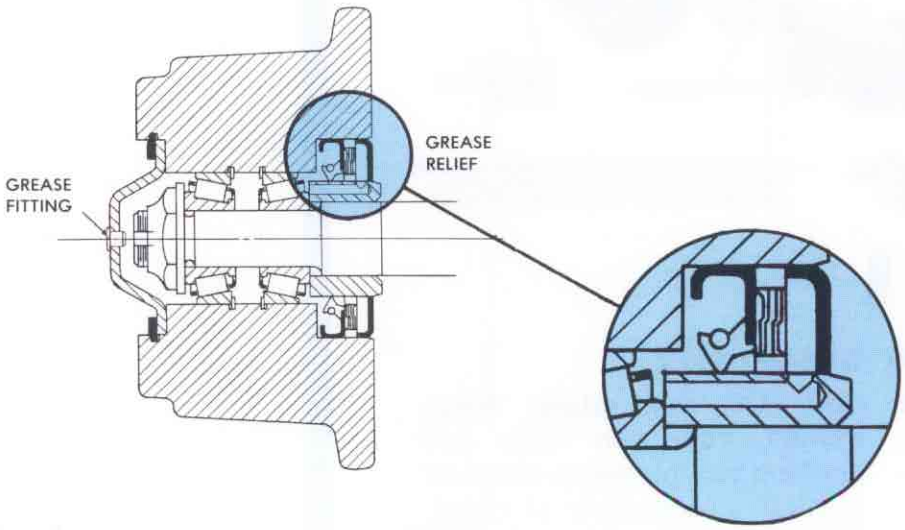


style **1** roller

FACTORY SEALED

applications

- hot cement clinker conveyors
- hot sintered product conveyors
- hot pelletized product and emergency exit conveyors
- hot duty and abrasive environment
- medium duty feeders — for abrasive materials
- meets noise abatement level requirements
- low friction — high speed — low horsepower requirement

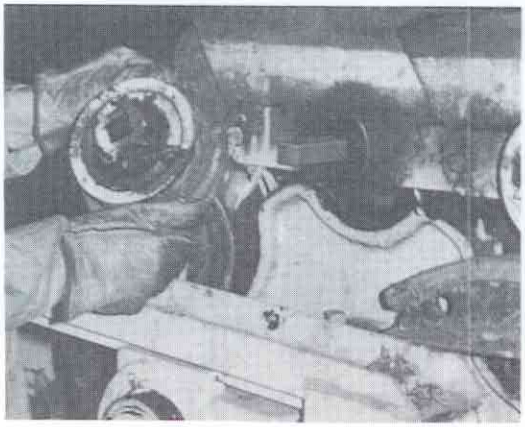


style **1A** roller

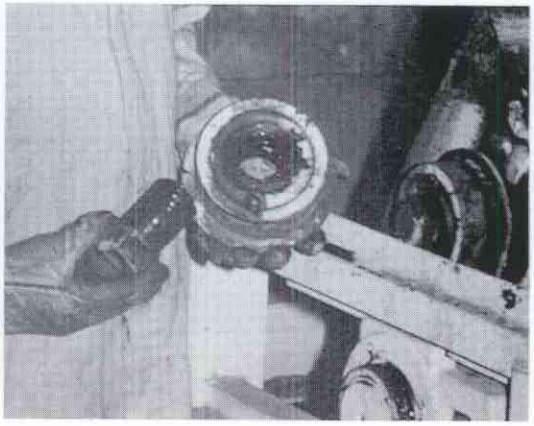
REGREASEABLE

Note: Style 2, 2A, style 1 and style 1A are interchangeable.

instant service-check saves hours of conveyor downtime

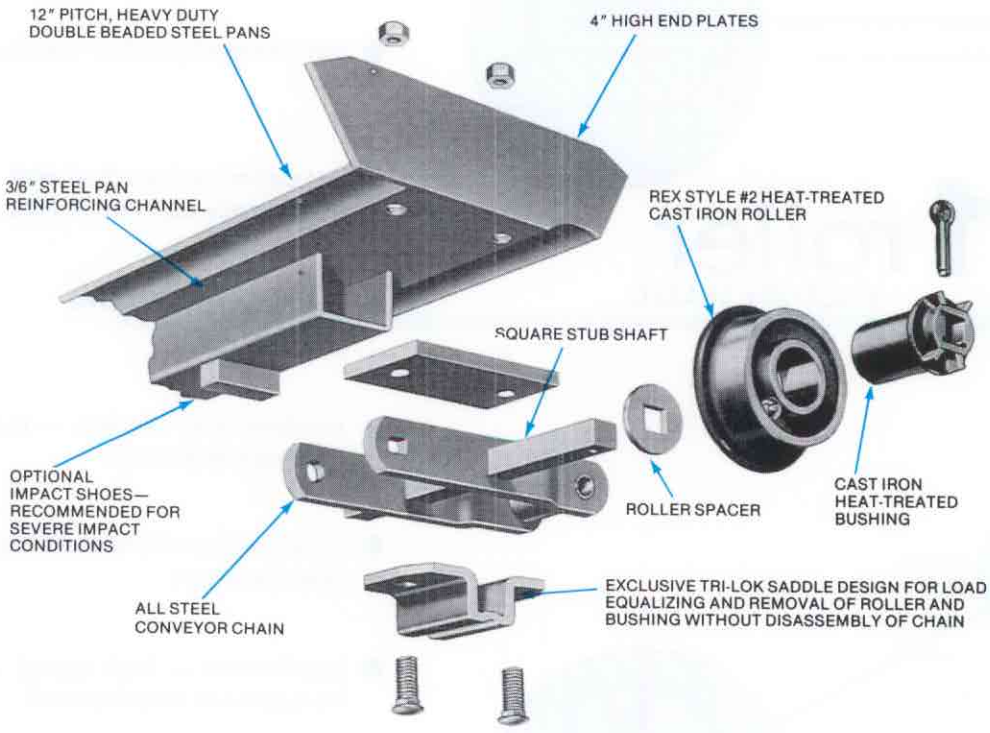


1 To inspect, you just remove pin and slip off roller and bushing assembly.



2 Then you remove bushing from roller, check both parts for wear.

3 If roller, bushing or shaft is worn, it can be quickly replaced without disassembly of chain.



Rex apron conveyor assembly

Heavy-duty 12" pitch, double beaded overlapping steel pan. 3/16" steel reinforcing channel for exceptional impact resistance. All-steel conveyor chain with square stub shaft that will not rotate. Heat-treated, cast iron roller and bushing can be easily removed without disassembly of chain. Exclusive "Rex Tri-Lok" Saddle equalizes loads.

Selection Procedure

I. Select conveyor style based on the following:
   A. Temperature of material:
      1. Under 600°F—use Style A or Style B.
      2. Over 600°F—use Style C
   B. Conveyor angle of incline
      1. 0° to 20°—select Style A
      2. 0° to 50°—select Style C
      3. 30° to 60°—select Style B

II. Select roller design to meet your operating conditions and speed requirements from roller selection chart below.

III. Convert given capactiy into cubic feet per hour based on short tons per hour. (STPH)

$$\frac{\text{STPH} \times 2000\ \#/\text{T}}{\text{Mat'l. Density (\#/cu. ft.)}} = \text{cubic feet per hour}$$

IV. Refer to Style A, Style B, Style C conveyor capacity charts.
   A. Enter proper chart at calculated cubic feet per hour—determined from Step III. ***Apply capacity correction factor if necessary before entering chart.*** (See Example Selection.)
   B. Read across horizontally to intersection of preselected conveyor speed (fpm) as determined from Step II. Intersection point will fall within one of the diagonal conveyor width requirements.

      Note: Normally the narrowest conveyor width will provide the most economical selection. Minimum conveyor width should be greater than 2½ times max. lump size.
   C. Based on conveyor speed select proper number of sprocket teeth required from sprocket slection chart below.

Example Selection

Application—Conveyor to handle cement clinker
Density—85 PCF
Capacity—220 TPH
Mat'l. Temp.—500°F. max.
Max. angle of Incline—55°

Step I. A. Select Conveyor style based on temperature of material. Style A or B.
B. Select conveyor style based on incline angle, Style B

Step II. From roller selection chart
Roller design 1 or 1A — 70 FPM speed
Note: Use 70 FPM for preliminary speed selection.

Step III. Convert Capacity to cubic feet per hour

$$\frac{220\ \text{T/H} \times 2000\ \#/\text{T}}{85\ \#/\text{cu. ft.}} = 5176 \text{ cubic feet per hour}$$

Step IV. A Refer to Style B capacity chart—page 15. Apply incline capacity correction factor: 5176 cu. ft./hr ÷ .72 (correction factor) = 7189 cubic feet per hour corrected capacity.
B. Using corrected capacity enter chart reading cubic feet per hour across horizontally to intersect with 70 FPM conveyor speed—preliminary selection would be 36" wide conveyor at 70 FPM. Most economical selection which would be 30" wide at 80 FPM.
C. Select number of sprocket teeth and pitch diameter from sprocket selection chart based on conveyor speed.
Conveyor speed is 80 FPM.
Conveyor style is B (6" pitch chain).
* Number of sprocket teeth is 15
Sprocket pitch diameter is 28.86"

Roller selection chart

MAXIMUM ROLLER SPEEDS					
STYLE	2	AND	2A	55	F.P.M.
STYLE	1	AND	1A	115	F.P.M.

*Roller selections based on non-confined applications for conveyors with partial or completely enclosed casings consult Rexnord.

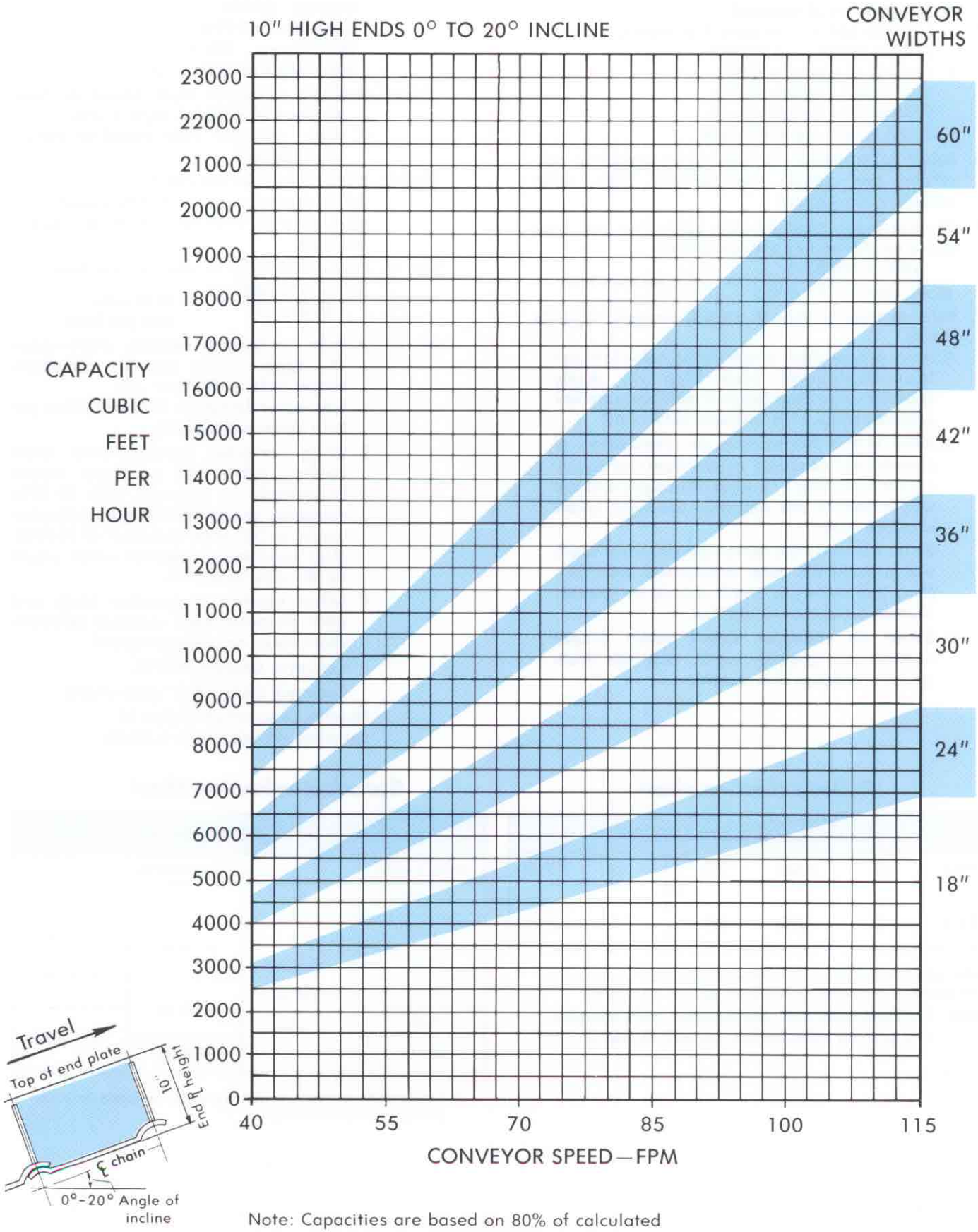
Note: For final selection, horsepower requirements and pricing information, consult Rexnord.

Sprocket selection chart

NO. OF TEETH (PITCH DIAMETER IN.)			
SPEED RANGE	CHAIN PITCH (IN.)		
FT./MIN.	6	9	12
0-40	15T (28.86*)	6T (18.00)	6T (24.00)
41-55			8T (31.36)
56-70		8T (23.52)	
71-85			10T (38.83)
86-115		10T (29.12)	

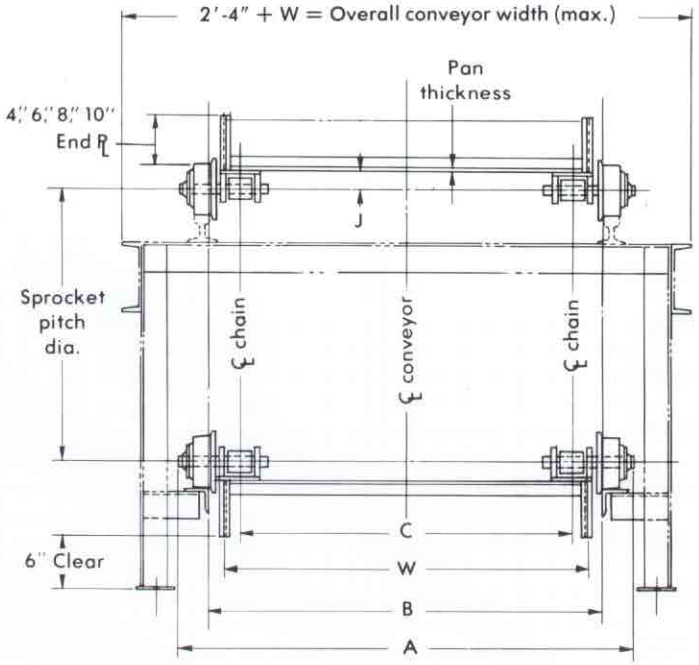
* For style "B" conveyor. Smaller sprockets available for lower profiles. Consult Rexnord Inc.

STYLE "A" APRON CONVEYOR CAPACITIES (SEE NOTE)



Note: Capacities are based on 80% of calculated theoretical cross-section of material conveyed.

STYLE "A" OUTBOARD ROLLER CONVEYOR ASSEMBLIES



Specification and dimensions (lbs. and inches)

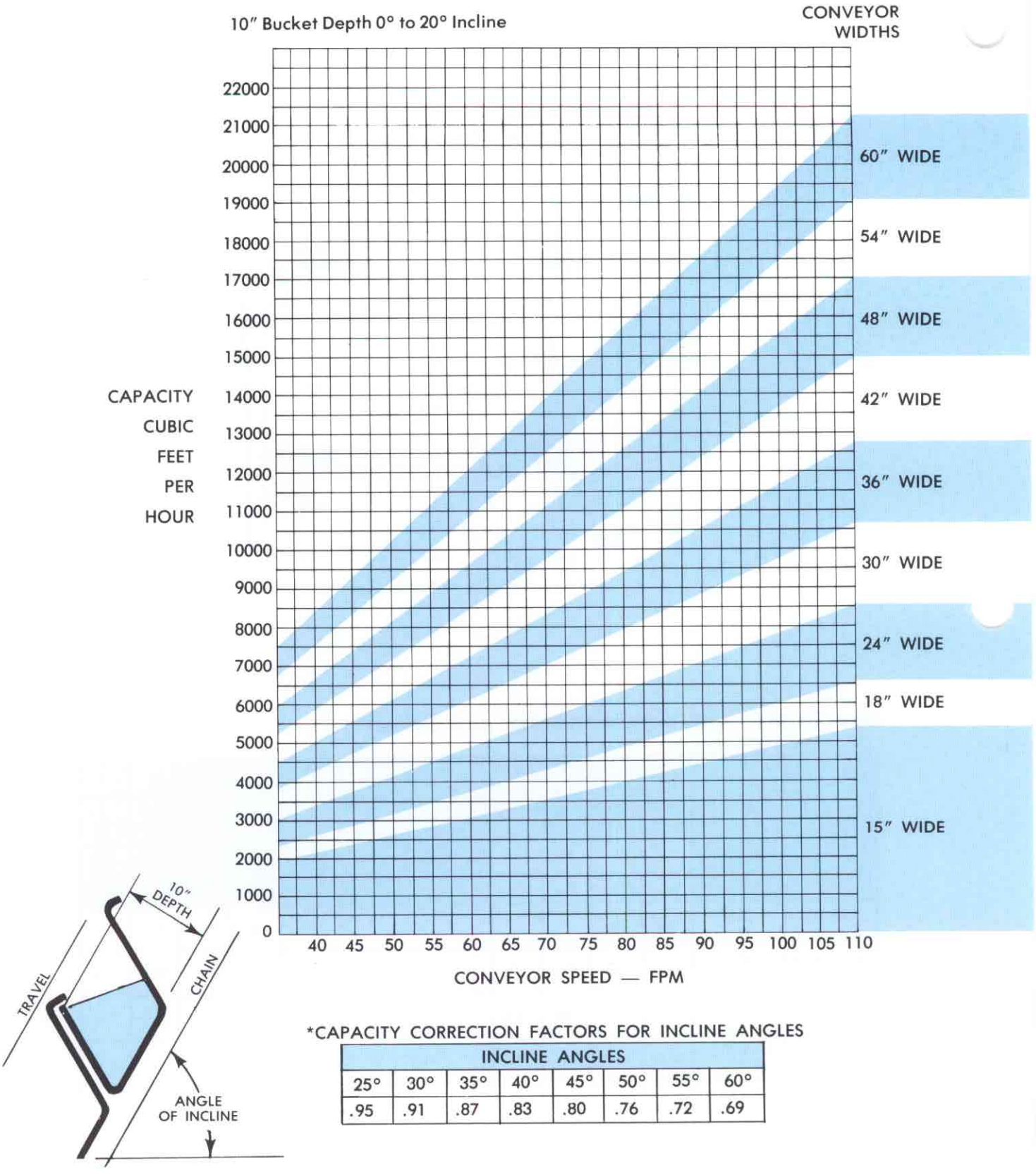
"W" equals nominal conveyor width

Rex chain no. and average pitch	Allowable working load per strand	Allowable gross conveyor loading, pounds per foot				A — (over-all)	Square stub shaft size	Roller dia.	B	C	J
		Roller style				Nominal Apron Width W Plus			Nominal apron width W plus	Nominal apron width W minus	To underside of apron
		No. 2/2A		No. 1/1A							
		EL★	EOL†	EL★	EOL†						
1039-M14 9.000	4,650#	640	320	—	—	5 1/16	9/16	4	1 13/16	2 3/16	1
R2342-M14 9.000	9,000#	1160	580	960	480	8 3/16	3/4	5	2 1/2	3 3/8	1 1/4
R2397-M14 12.000	9,200#	1460	730	1100	550	8 3/16	7/8	5	2 1/2	3 3/16	1 1/2
R1706-M14 12.000	14,000#	1920	960	1420	710	8 3/8	1	5	2 13/16	4 3/16	1 5/8
R2614-M14 12.000	17,500#	3420	1710	3200	1600	10	1 1/4	6	3 5/16	4 1/8	2 1/8
2648-M14 12.000	29,600#	3180	1590	3200	1600	9 7/8	1 1/4	6	3 1/4	5 3/4	2 1/2

★Outboard rollers and stub shafts every link. †Outboard rollers and stub shafts every other link.

Note: Dimensions subject to change. Certified dimensions of ordered material furnished on request.

STYLE "B" BUCKET CONVEYOR CAPACITIES (SEE NOTE)

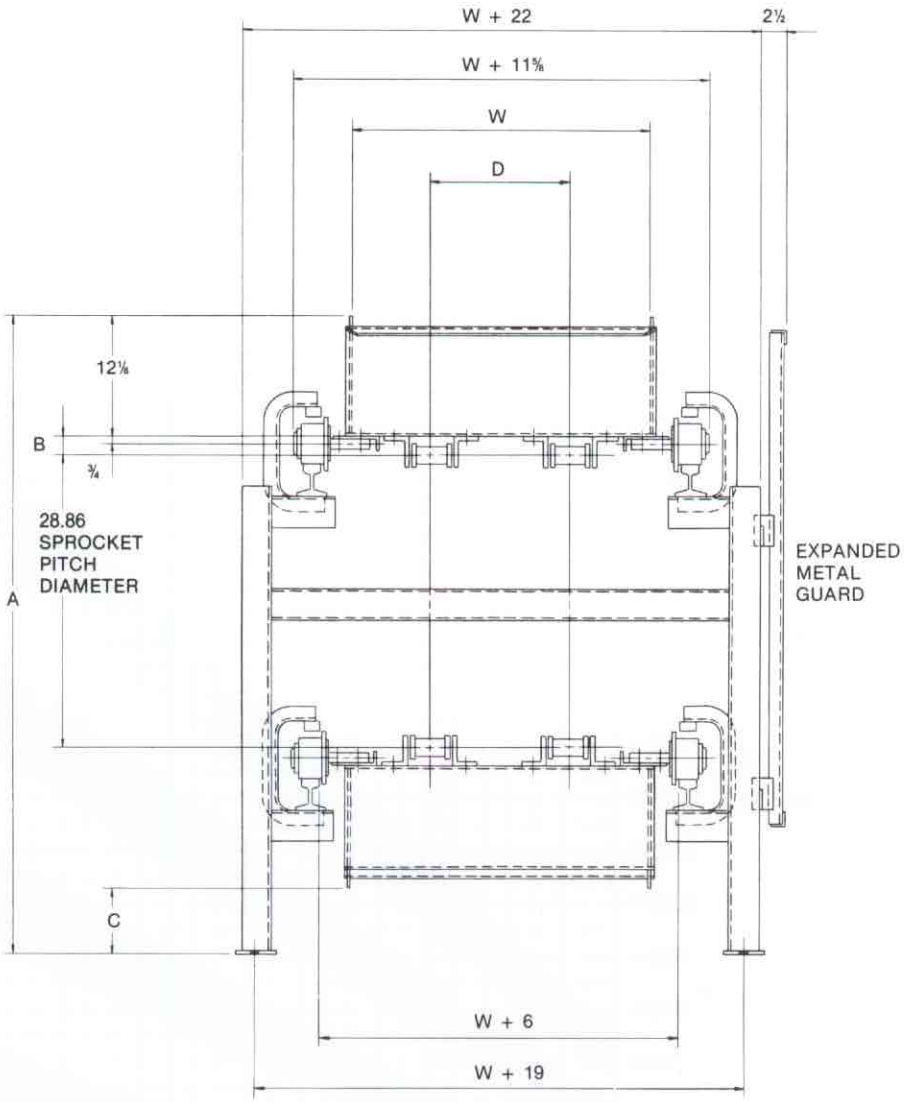


*CAPACITY CORRECTION FACTORS FOR INCLINE ANGLES

INCLINE ANGLES							
25°	30°	35°	40°	45°	50°	55°	60°
.95	.91	.87	.83	.80	.76	.72	.69

*NOTE: Capacities are Based on 80% of Calculated Theoretical Cross-Section of Material Conveyed W/20° Surcharge

STYLE "B" BUCKET CONVEYOR ASSEMBLY



Specification and dimensions (lbs. and inches)

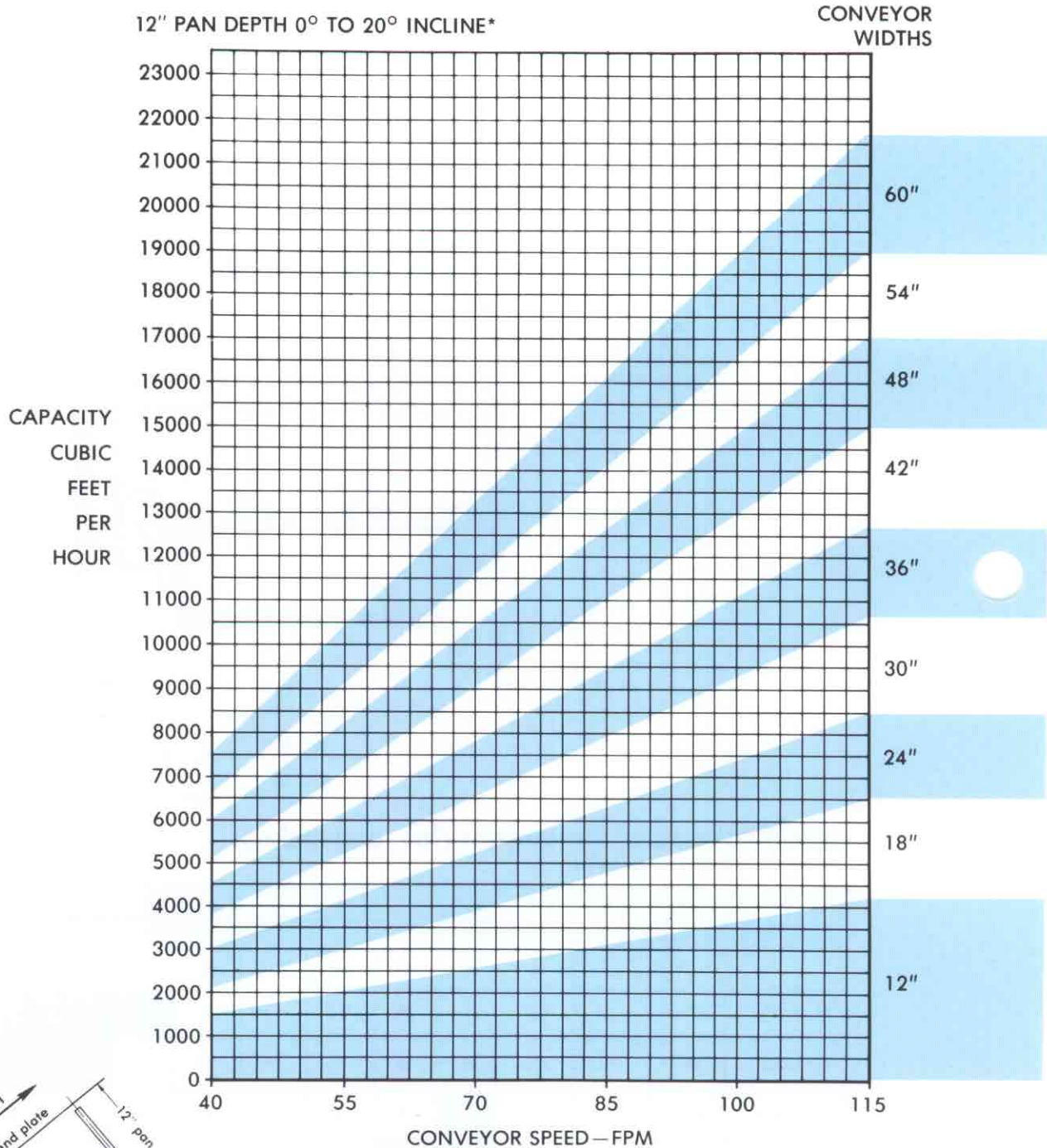
"W" equals nominal conveyor width

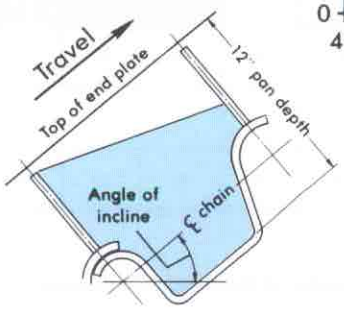
REX CHAIN NO.	A (IN.)	B (IN.)	C (IN.)	D (IN.) BUCKET WIDTH W (IN.)								
				15	18	24	30	36	42	48	54	60
S110-K25	62 1/16	1⅛	7 5/16	▲	▲	11	17	23	ON APPLICATION CONSULT REXNORD INC.			
ES833-K2	63 3/16	1⅞	6 9/16	▲	▲	10	16	22	28			
RS856-K24	63 3/16	1⅞	6 9/16	NOT AVAILABLE	▲	▲	14	20	26	32	38	44
ER857-K44	64 1/16	2½	5 15/16			▲	▲	16	22	28	34	40
ER859-K44	64 9/16	3	5 7/16			▲	▲	▲	21	27	33	39

▲ Indicates conveyor with a single strand of chain. D = O.

Note: Dimensions subject to change. Certified dimensions of ordered material furnished on request.

STYLE "C" PAN CONVEYOR CAPACITIES (SEE NOTE)



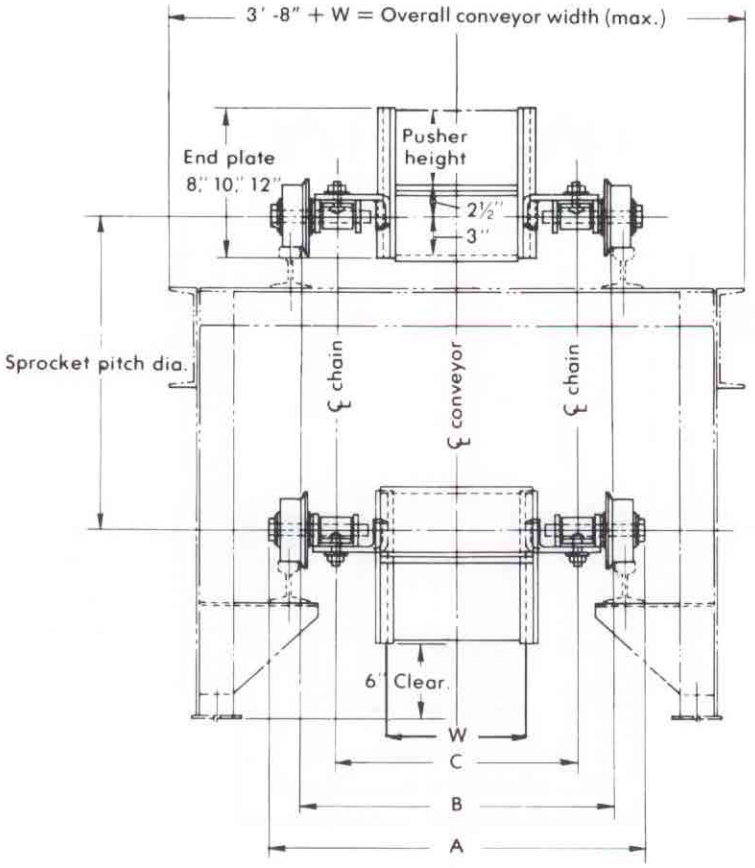


*Capacity correction factors for incline angles over 20°

Incline Angles					
25°	30°	35°	40°	45°	50°
.95	.89	.84	.78	.72	.66

Note: Capacities are based on 80% of calculated theoretical cross-section of material conveyed, with 20° surcharge.

STYLE "C" OUTBOARD ROLLER CONVEYOR ASSEMBLIES



Specification and dimensions (lbs. and inches)

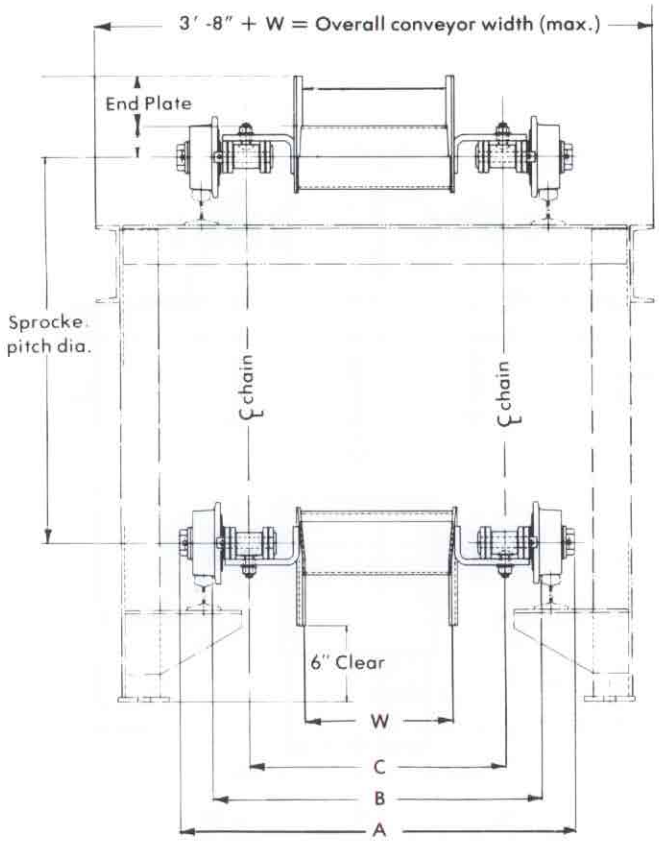
"W" equals nominal conveyor width

Rex chain no. and average pitch	Allowable working load per strand	Allowable gross conveyor loading pounds per foot				A(MAX)			B	C
		Roller style				Nominal apron width W plus	Square stub shaft size	Roller dia.	Nominal apron width W plus	Nominal apron width W plus
		No. 2/2A		No. 1/1A						
		EL★	†	EL★	EOL†					
R2397-M14 12.000	9,200#	1460	730	1100	550	1-7 5/16	⅞	5	1-1 11/16	7⅞
R1706-M14 12.000	14,000#	1920	960	1420	710	1-9 7/16	1	5	1-3⅝	8⅝
R2614-M14 12.000	17,500#	3420	1710	3200	1600	1-10⅝	1¼	6	1-3 13/16	8½
2648-M14 12.000	29,600#	3180	1590	3200	1600	2-2	1¼	6	1-7⅜	10⅜

★Outboard rollers and stub shafts every link. †Outboard rollers and stub shafts every other link.

Note: Dimensions subject to change. Certified dimensions of ordered material furnished on request.

STYLE "Z" PAN CONVEYOR ASSEMBLIES



* Capacity selections on application — consult Rexnord

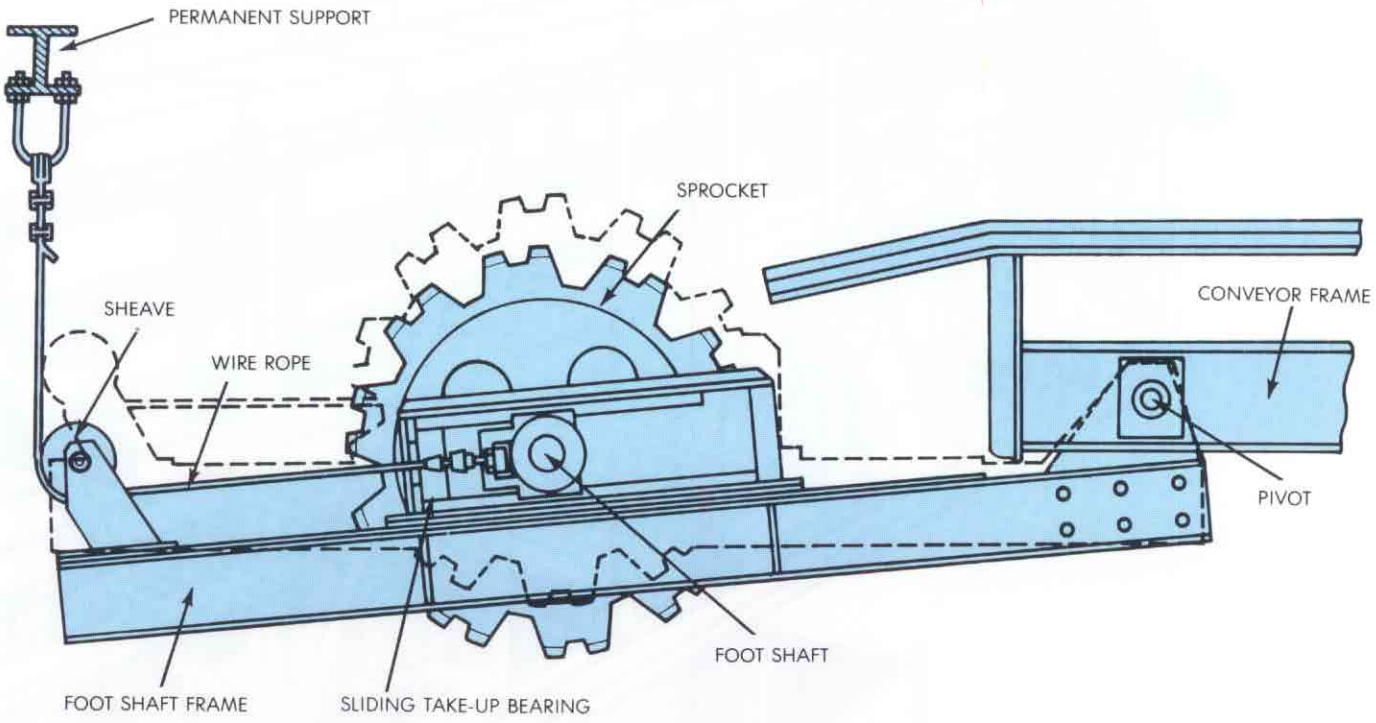
Rex chain no. and average pitch	Allowable working load per strand	Allowable gross conveyor loading pounds per foot				A(MAX)			B	C
		Roller style				Nominal apron width W plus	Square stub shaft size	Roller dia.	Nominal apron width W plus	Nominal apron width W plus
		No. 2/2A		No. 1/1A						
		EL★	†	EL★	EOL†					
R2397-M14 12.000	9,200#	1460	730	1100	550	1-7 5/16	7/8	5	1-1 9/16	7 7/8
R1706-M14 12.000	14,000#	1920	960	1420	710	1-9 7/16	1	5	1-3 3/8	8 3/8
R2614-M14 12.000	17,500#	3420	1710	3200	1600	1-10 3/8	1 1/4	6	1-3 13/16	8 1/2
2648-M14 12.000	29,600#	3180	1590	3200	1600	2-2	1 1/4	6	1-7 3/8	10 3/8

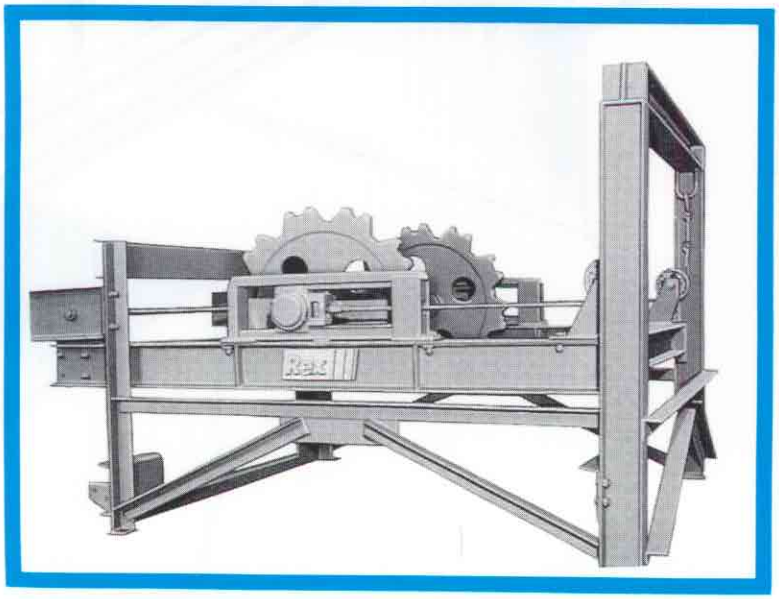
★Outboard rollers and stub shafts every link. †Outboard rollers and stub shafts every other link.

Note: Dimensions subject to change. Certified dimensions of ordered material furnished on request.

Rex®

patented automatic self-adjusting take-up



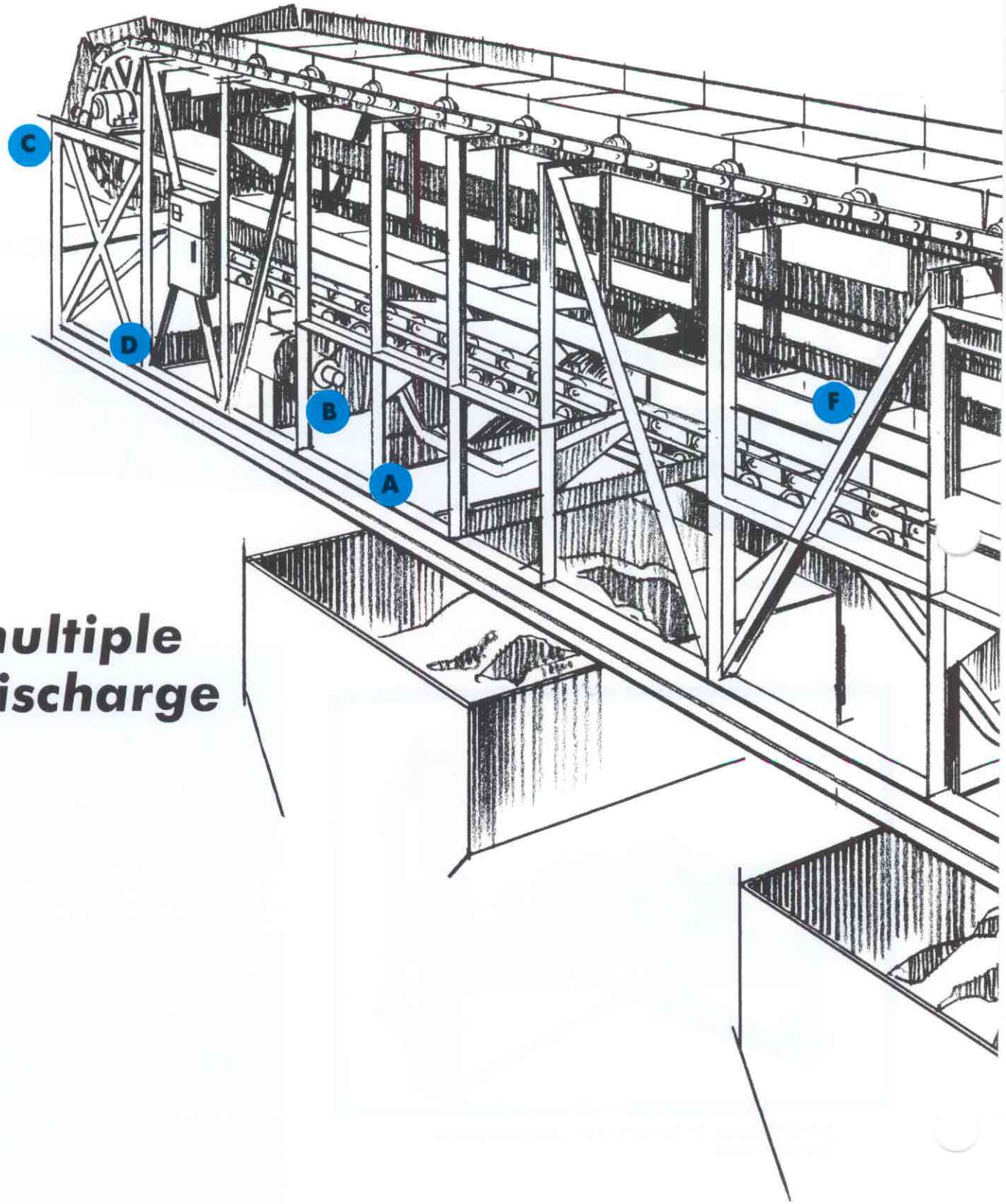


Actual "take-up" in Rexnord's Conveying Equipment Operation shop.

. . . an exclusive new concept in take-up design. By utilizing the weight of the foot shaft assembly, the unit automatically adjusts to proper tension while operating. Length of conveyor will vary due to temperature changes and chain wear. Self-adjusting take-up requires less space than standard gravity take-up and no adjustment is necessary as compared to screw type take-up. Rex self-adjusting take-up is a standard accessory on most Rex apron conveyors and feeders.

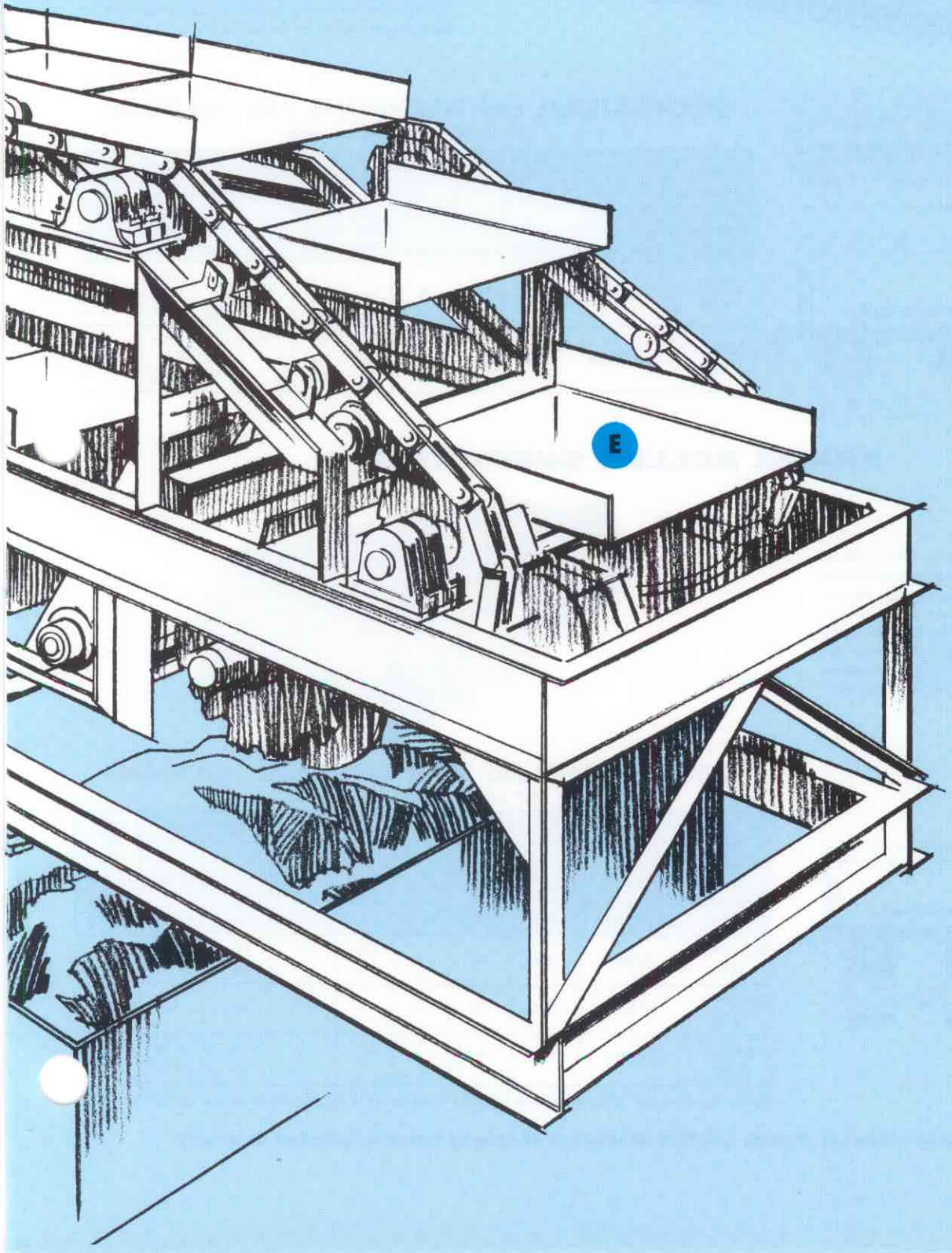
NOTE: Self-adjusting take-up may be used on Rex belt conveyors or any other appropriate Rex conveyor application.

Rex® MD* pan conveyor



***multiple discharge**

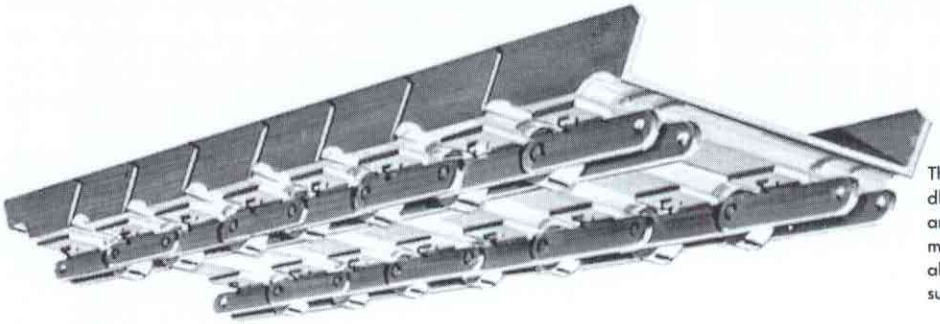
. . . here's a conveyor for your multiple bin loading operation. The Rex MD (multiple discharge) pan conveyor utilizes standard apron conveyor components with the exclusive outboard roller for simplified maintenance and replacement. The unit is made up of a series of pans or aprons attached to Rex chains specially designed to pull conveyor. Pans or aprons can discharge from the lower run or upper run, thus upper run can handle one type of material while lower conveyor can simultaneously handle another type of material. Multiple discharge can be obtained into any number of stock piles, silos or bunkers by means of electric activators. When one of the stock piles is filled, the conveyor can be programed to use the next discharge point.



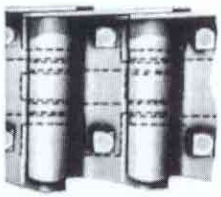
APRON FEEDERS

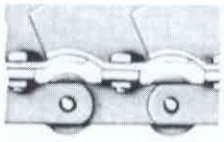
Rex apron feeders are made in three basic types. Each of the three types is available in a wide range of sizes and design capacities. In this group, you have the answer to virtually any bulk material feeding problem.

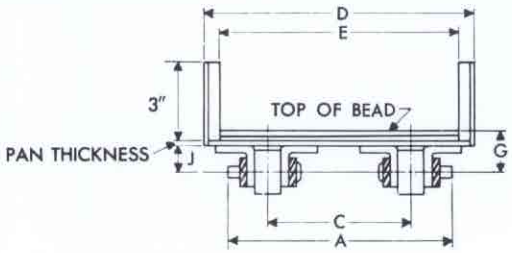
CHAIN ROLLER SUPPORTED



This Rex apron feeder is excellent for medium-duty handling assignments — where lump size is fairly consistent and impact is not too severe. Aprons are mounted by means of "K" attachments on two strands of Rex chabelco® all steel chain with carrying rollers in the chain joints for supporting the apron on the carrying run.







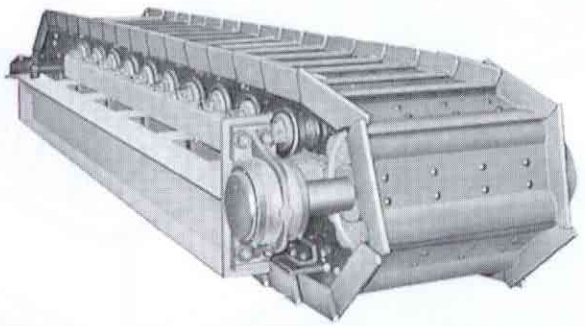
SPECIFICATIONS and DIMENSIONS (Lbs. and Inches)

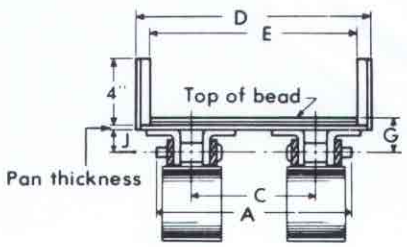
"W" equals nominal apron width

Rex chain no. and average pitch	Allowable working load per strand	A	C	Ends		Pan thickness	D	E	G	J
		W minus	W minus	height	thickness		W plus	W minus	To top of bead	To underside of apron
531-K17 4.00	4,500#	2¾	6½	3	3/16 ¼ ⅜	3/16 ¼ ⅜	½ ⅝ 1	⅞ 1 1⅝	2 1/16 2 1/16 2¼	1 5/16
D2124-K1 6.00	6,050#	7¾	12	3	¼ ⅜ ⅜	¼ ⅜ ½	13/16 1 1	1 1/16 ⅝ 1 9/16	2 17/32 3 2 31/32	1⅝

FRAME ROLLER SUPPORTED

Where the demands involve a severe combination of material weight, impact, and abrasion, this series is the choice of critical buyers. The overlapping, double-beaded pans are mounted by means of "K" attachments on two strands of Rex chabelco chain. Carrying rollers, mounted on the frame, support the chain on the side-bars, not on the chain rollers. Thus, the sidebars absorb impact and carry the loads, not the chain joint.





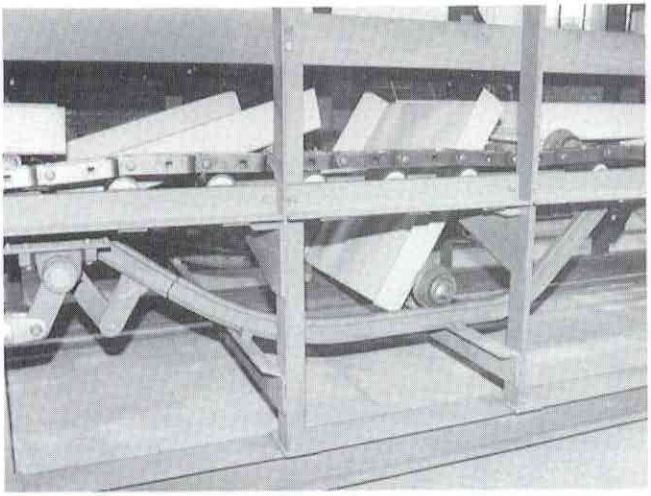
SPECIFICATIONS and DIMENSIONS (Lbs. and Inches)

"W" equals nominal apron width

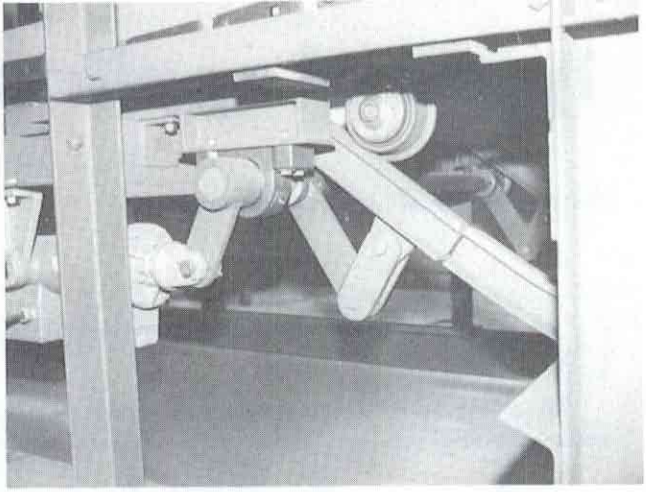
Rex chain no. and average pitch	Allowable working load per strand	A	C	Ends	Pan thickness	D	E	G	J
		W minus	W minus	height		W plus	W minus	To top of bead	To underside of apron
R2342-K21 9.00	9,000#	8¾	14	4	⅜ ½	15/16 1¼	1⅜ 1¾	2 19/32 2 29/32	1¼
R2614-K2 12.00	17,500#	15½	22	4	¾	1 13/16	2 7/16	4¼	2⅛
2648-K2 12.00	29,000#	16⅞	23½	4	⅜ ½	⅞ 1 3/16	1⅜ 1¾	4 1/32 4 5/32	2½

Apron feeders are also available in other models—for further information consult Rexnord.

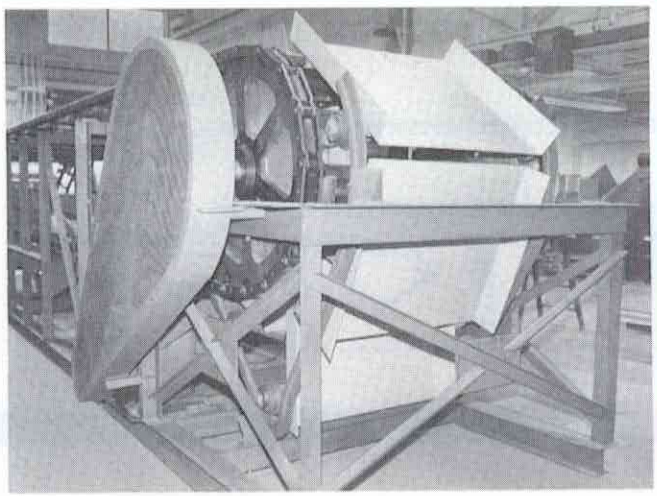
Note: Dimensions subject to change. Certified dimensions of ordered material furnished on request.



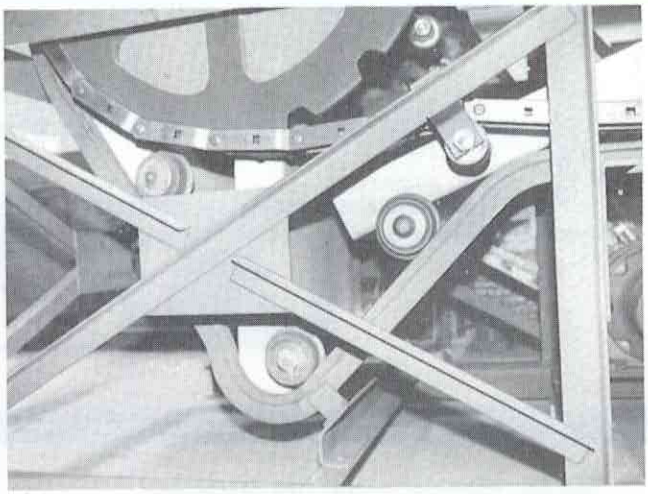
A Tipping station arrangement showing pans in a discharge position.



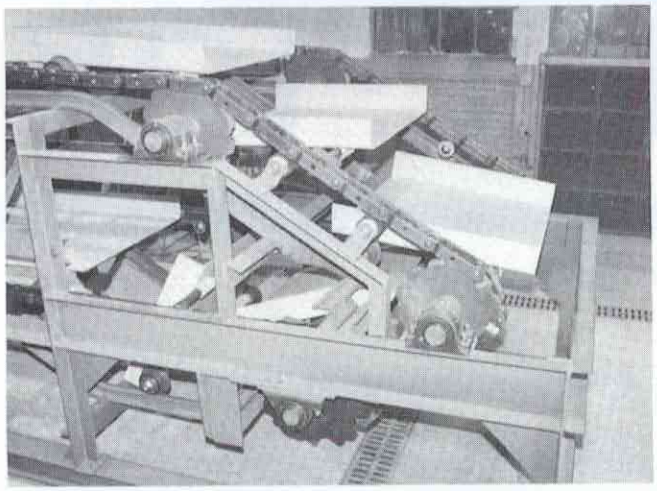
B Closeup view of electrically operated rail tripping mechanism.



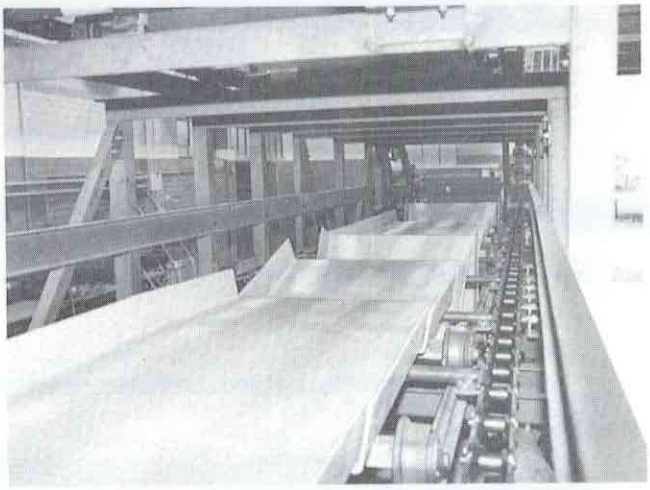
C Conveyor drive end allows for orientation of pans in a carrying position for both top and bottom run.



D Close up view showing rail configuration for proper pan orientation at drive end.



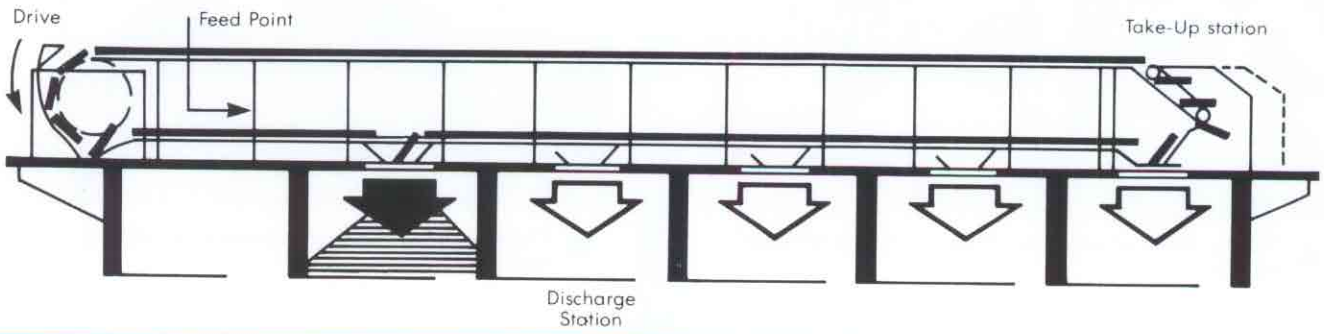
E Conveyor footend provides for pan orientation similar to drive end.



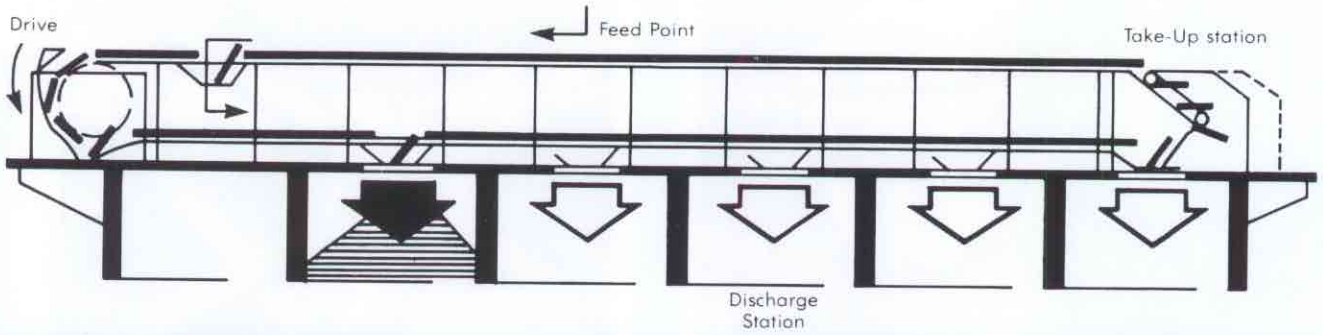
F View of pans in carrying position forming a continuous conveying surface.

Types of application

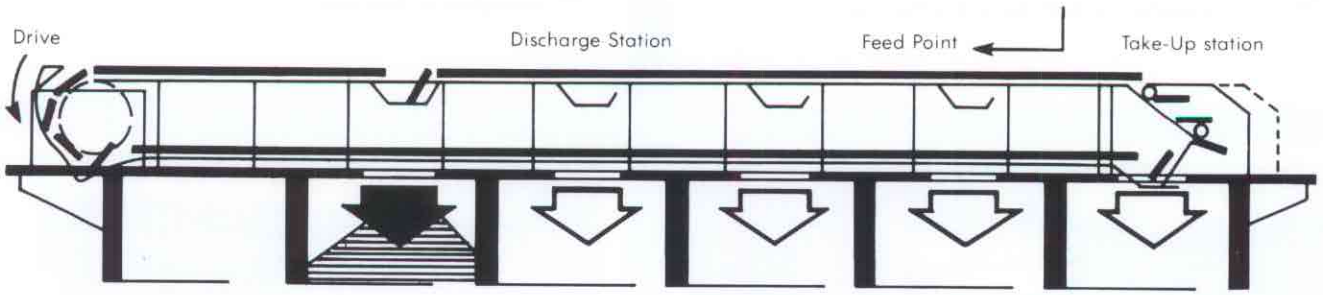
Bottom run loading and discharge



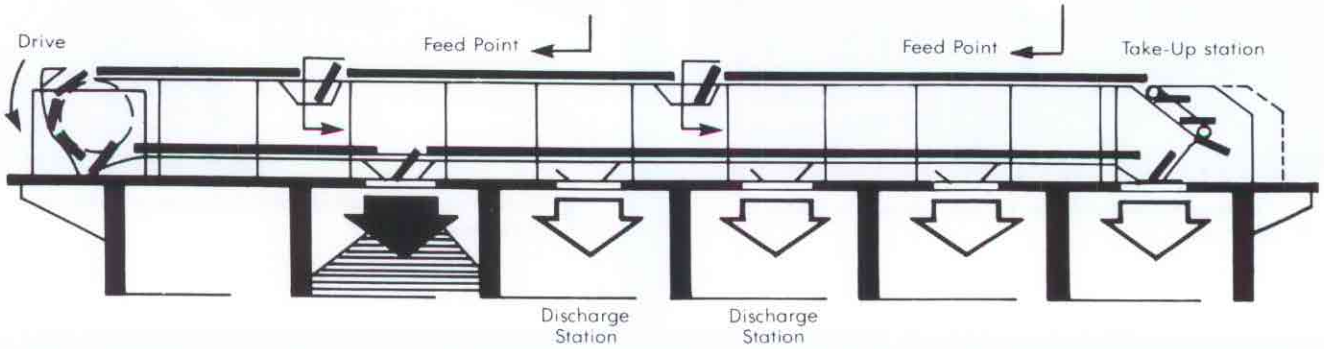
Top run loading — bottom run discharge



Top run loading — top run discharge



Top run loading — bottom run discharge of two materials simultaneously

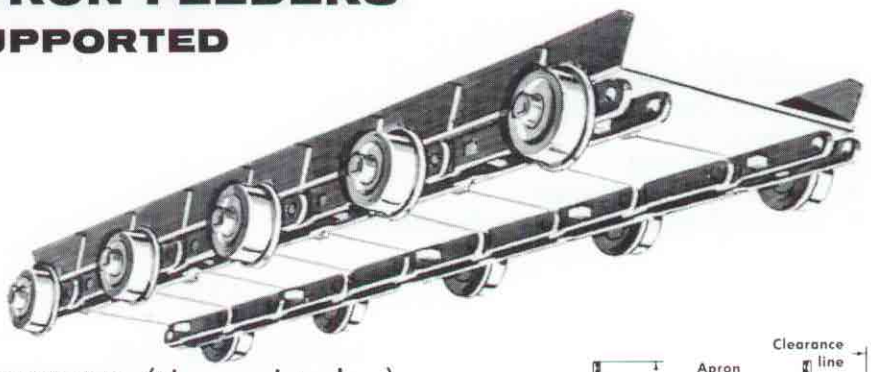


APRON FEEDERS

OUTBOARD ROLLER SUPPORTED

For heavier service requirements, these Rex apron feeders have the design features to withstand greater impact and handle larger size lumps. The overlapping pans are mounted by means of equalizing saddles on two strands of Rex chabelco steel chain. The outboard rollers operate on both carrying and return runs.

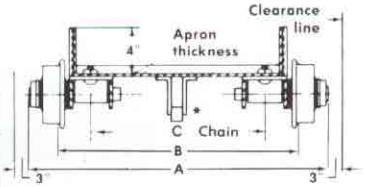
Note: See page 6 & 7 for roller descriptions.

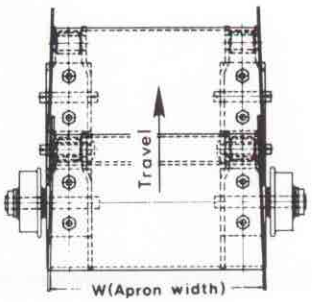


SPECIFICATIONS and DIMENSIONS (Lbs. and Inches)

"W" equals nominal apron width

Rex chain no. and average pitch	Allowable working load per strand	Allowable gross conveyor loading, pounds per foot				A (Max)	Square stub shaft size	Roller dia.	B	C
		Style								
		No. 2/2A		No. 1/1A		Nominal Apron Width W Plus			Nominal apron width, W plus	Nominal apron width, W minus
		EL★	EOL†	EL★	EOL†					
R2342-M14 9.000	9,000#	1160	580	960	480	8 3/16	3/4	5	2 1/2	3 3/8
R2397-M14 12.000	9,200#	1460	730	1100	550	8 3/16	7/8	5	2 1/2	3 3/16
R2614-M14 12.000	17,500#	3420	1710	3200	1600	10	1 1/4	6	3 5/16	4 1/8
2648-M14 12.000	29,600#	3180	1590	3200	1600	9 7/8	1 1/4	6	3 1/4	5 3/4



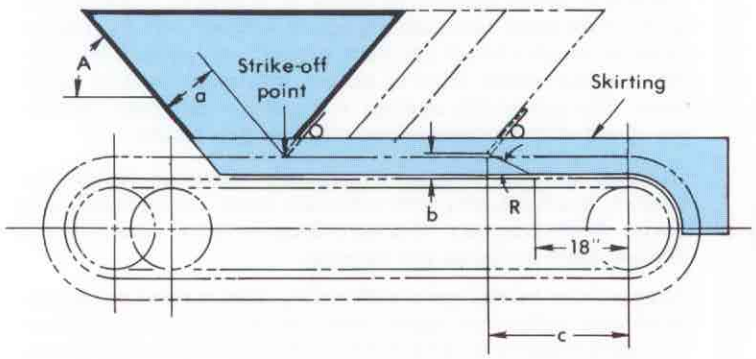


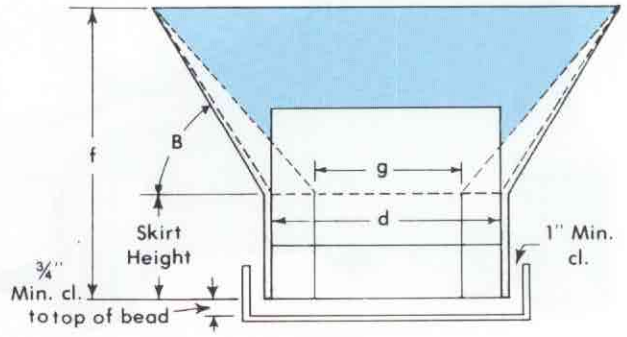
*Support shoes as shown are optional. ★Outboard rollers and stub shafts every link. †Outboard rollers and stub shafts every other link. ▲No. 2 roller furnished as standard, unless specified otherwise.

BIN AND SKIRT DESIGN

bin-skirt design

Considerations for bin and skirt design. In general, the terms "bins" and "hoppers" are interchangeable but strictly speaking a bin is a container of non-restrictive dimensions for the **storing** of bulk material, while a hopper is a container designed to receive limited amounts of material and having a funnel shaped bottom narrowed or necked to direct materials onward to a feeder, conveyor or other chuting.





The shape and size of bins and hoppers are dependent upon two basic criteria:

1. Physical properties of the materials to be handled.
   a. Lump size.
   b. Distribution of lump size.
   c. Angle of slide.
   d. Moisture content.
   e. Temperature.
   f. Friability.
2. Required holding capacity.

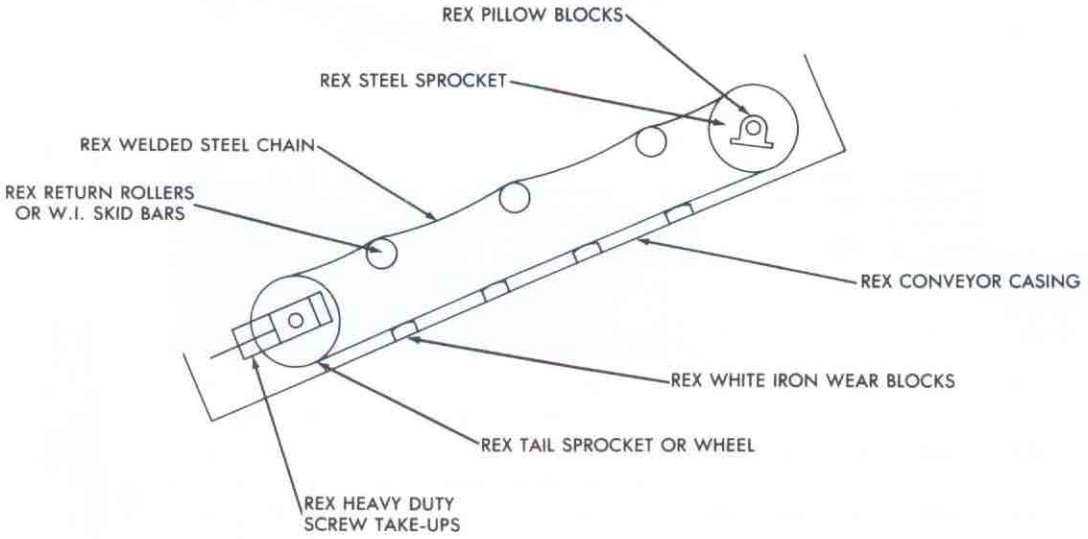
"A" and "B" Angles combine to form "valley angle." This angle must be at least as steep as the angle of slide of the material to be handled. (Ordinarily the angle of slide is 5-10 degrees steeper than the angle of repose.)

a. Throat opening should be at least 2½ times the maximum lump size.
b. Clearance under strike-off point should be at least 1½ times the maximum lump size.
c. Headshaft location to prevent material flow when unit is not running should be 18" past the repose angle (Angle R) immediately outside the bin opening.
d. Width between skirts should be at least 2½ times the max. lump size, and provide a running clearance of 1" between the outside of the skirts and the inside of the pan ends.
f. Hopper height is dependent on required holding capacity.
g. Width at the tail end is tapered to approx. 75% of width at head end to reduce wedging and friction.

Note: Dimensions subject to change. Certified dimensions of ordered material furnished on request.

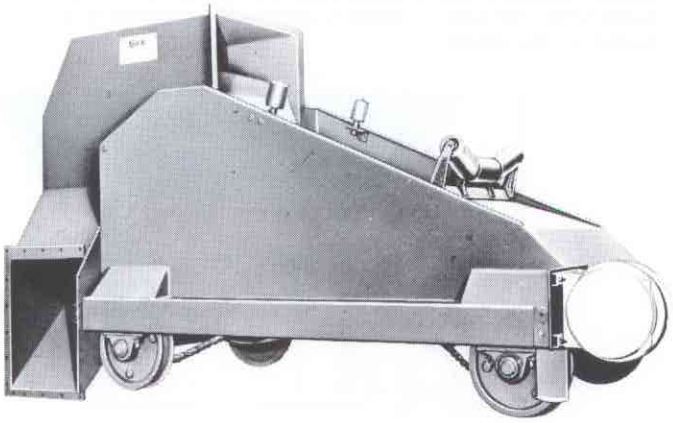
DRAG CONVEYORS

- Capacities to 4500 CFH
- Conveyor Centers to 200 Ft
- Inclines to 18°
- Speeds to 70 FPM
- Chain Widths from 8" to 26"
- Total Rex Design & Component Responsibility



For complete information contact Rexnord

BELT CONVEYOR TRIPPERS



Rex Style MP Motor-Propelled Belt Trippers are of rugged construction and are built for low headroom requirements. They are designed for service where discharging stations or spottings are far apart, where frequent moving is required; or for continuous travel as in "bedding" service.

These trippers are of channel beam or steel plate construction, depending upon size, and all moving parts are guarded for safe operation.

The Style MP Tripper is propelled by a motorized speed reducer. An explosion-proof motor is used when the tripper will operate in areas containing dusty or explosive materials. A roller chain drive connects the speed reducer with the tripper axles to which chilled rim track wheels are keyed. This provides a four-wheel drive to assure maximum traction at all times. The axle shafts operate in Rex Roller Bearings. Traveling speed of this tripper is about 50 feet per minute.

Optional controls include a magnetic starter in NEMA enclosure, overload relay with automatic reset and back-of-panel cover, flush-mounted "Forward-Stop-Reverse" push-button station. Limit switches are optional.

Trippers can be equipped with trolley-duct current collectors, open-wire trolleys or cable reels. Factory wiring is optional. Standard trippers are adapted for 115, 230, or 460 volt, 3-phase, 50 or 60 cycle circuits.

Hand-operated rail clamps to hold the tripper in fixed position are furnished as standard equipment.

Belt pulleys are of welded, solid steel construction. Their shafts operate in Rex Roller Bearings.

An operator's platform is provided as standard equipment on each belt tripper.

REX COMPONENTS

REX DRIVE CHAINS

- ANSI roller chain.
- Precision-built with heat-treated parts.
- Exceptionally close tolerances for long service life.

CHAIN GUARDS

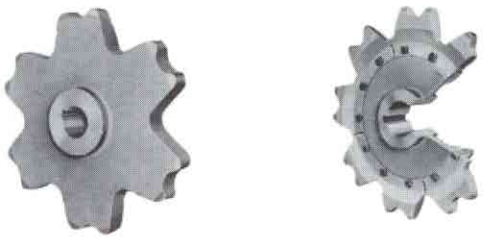
- Drive chain operates in oil bath.
- Heavy gauge steel split housing with filler cap, sight gauge, and drain plug.
- Totally enclosed guards meet OSHA regulations.

REX CONVEYOR CHAINS

- Pans and aprons rest on and are carried by Rex chabelco steel chains.
- Husky, high-strength chain provides exceptionally long working life.
- Carefully hardened live wearing parts and generous bearing area further add to excellence.
- Pans held in position by saddles attached to chain or by chain attachment.
- Loads distributed equally to both inside and outside side bars.

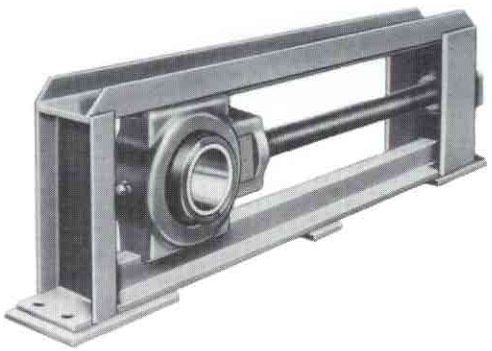
REX SELF-ALIGNING ROLLER BEARINGS

- Heavy duty double-row radial thrust roller bearings.
- Exclusive micro-lock feature allows in-field adjustment for maximum bearing life.
- Equipped with Rex seals to compensate for misalignment, seal out grease and dirt.



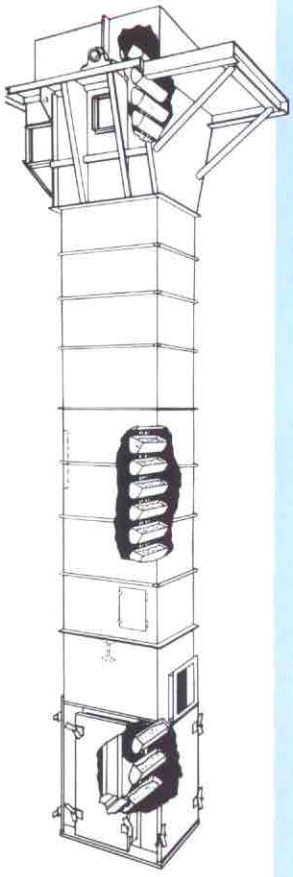
REX SPROCKETS

- Sprocket rim segments easily installed simplifying replacement.
- No need to burn or cut off.
- Heavy-duty solid steel rim segments are bolted to body.
- Sprocket rim segments made to same wear-resistant specifications.

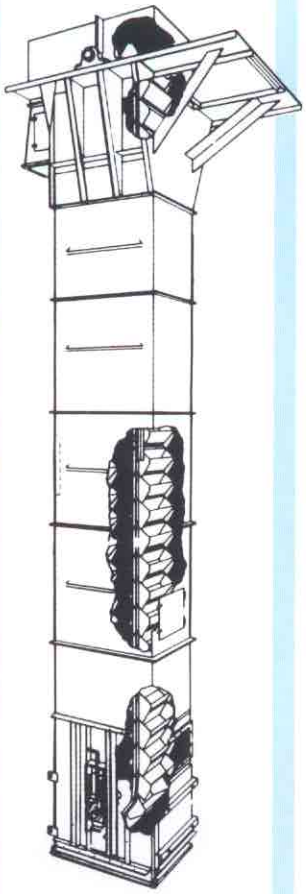


REX SCREW TYPE TAKE-UPS

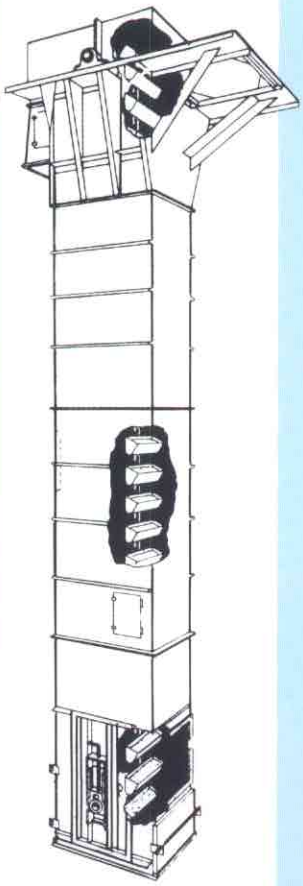
- Heavy duty, center pull type for shaft sizes $1\frac{15}{16}$" through 7", 12" through 42" travel.
- Channel frame center pull construction floats housing between guide bars eliminating binding.
- Malleable iron capstan nut on screw assures ease of movement in either direction under load.
- Assembly is as strong in tension as compression.



Rex 1600 series mill duty bucket elevator.



Rex 4000 series hi-load bucket elevators.



Rex 1100 series industrial bucket elevators.

Rex®

bucket elevators

THE COMPLETE LINE

Series 1600
MILL DUTY CHAIN ELEVATOR

Capacities to 27,000 cu. ft./hour.
Heavy-duty centrifugal elevators built specifically for severe service.

Series 1200
MILL DUTY BELT ELEVATOR

Capacities to 50,000 cu. ft./hour.
Heavy-duty centrifugal elevators built specifically for severe service.

Series 4000
HI-LOAD ELEVATOR

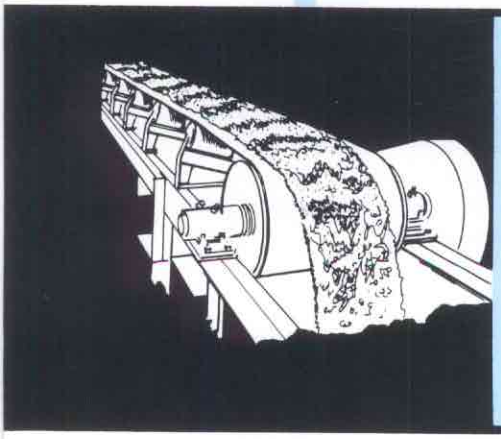
Large capacity—full loading continuous mounted buckets—end hung between two matched strands of chain.
The most modern line of heavy duty, high capacity elevators for handling materials up to 8" lump size.
Capacities to 19,800 cu. ft./hour.

Series 1100
CENTRIFUGAL DISCHARGE INDUSTRIAL ELEVATORS

Most widely used for general industrial requirements
Back hung buckets spaced at intervals on single chain strand.
Low cost—simplicity of design.
Capacities to 3,000 cu. ft./hour.

Series 2100
CONTINUOUS DISCHARGE INDUSTRIAL ELEVATORS

For gentle handling of material with lumps 2" to 4½".
Buckets back hung and spaced continuously on single strand of chain.
Capacities to 2,200 cu. ft../hour.



Rex®

conveying equipment

...for Bulk Material Handling. Idlers for belt conveyors, feeders, Chain & Scraper Conveyors.

Rexnord