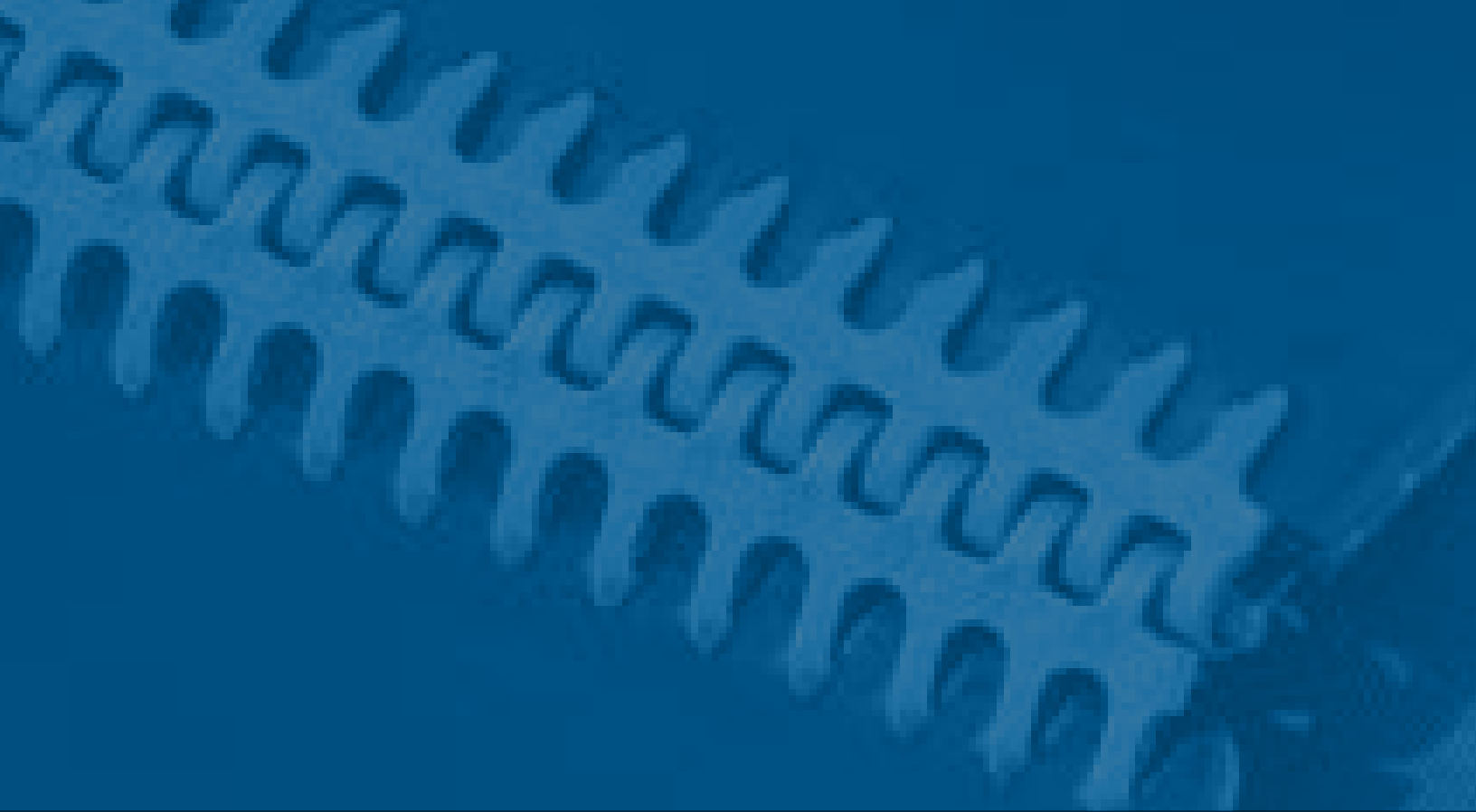




BELT LACING SYSTEMS



Belt Lacing System

For Easy, Economical Installation of a Low Profile Belt Splice

Alligator® Lacing is available in continuous lengths to fit any belt width and provides uniform tension across the full belt width. The one-piece fastener strip also ensures that there are no loose pieces to work themselves out of the belt and into the conveyed product.

Designed for belts from 1/32" to 1/2" (.8 mm to 12.5 mm)*, Alligator Belt Lacing installation requires no special tools, only a hammer. The lacing is secured with teeth that embed lengthwise on the belt, providing a strong, vise-like hold. Clips hold gauge rod and lacing firmly and squarely against the belt during the installation process to ensure a strong, straight splice. The straight splice also helps ease hinge pin insertion.

Market applications

- Package and Parts Conveying
- Food and Sanitary Contact
- Agricultural Harvesting and Handling
- Recycling and Scrap Handling
- Wood Products



Alligator® Conveyor Belt Lacing Selection Chart

Lacing Size	For Belts With Mechanical Fastener Rating Up To:		Belt Thickness Range		Recommended Minimum Pulley Diameter		Approx. Corrugated Hinge Pin Diameter	
	P.I.W.	kN/m	in.	mm	in.	mm	in.	mm
00	25	4.3	Up thru 1/16	Up thru 1.6	1	25	3/64	1.2
1	45	7.8	1/16-3/32	1.6-2.4	1-1/2	38	1/16	1.6
7	50	8.7	3/32-9/64	2.4-3.6	2	51	1/16	1.6
15	65	11.4	1/8-5/32	3.2-4.0	2-1/2	64	3/32	2.4
20	95	16.6	5/32-3/16	4.0-4.8	3	76	7/64	2.8
25	100	17.5	3/16-7/32	4.8-5.6	4	102	1/8	3.2
27	100	17.5	7/32-9/32	5.6-7.1	5	127	1/8	3.2
35	150	26.0	9/32-5/16	7.1-7.9	7	178	9/64	3.6
45	165	28.0	5/16-3/8	7.9-9.5	9	229	3/16	4.8
55	175	30.0	3/8-7/16	9.5-11.1	12	305	13/64	5.2
65	200	35.0	7/16-1/2	11.1-12.7	14	356	13/64	5.2

* Alligator Belt Lacing can operate over pulleys as small as 1" (25 mm) in diameter, or on belts with mechanical fastener ratings to 200 P.I.W. (35 kN/m).

Belt Lacing System continued

ALLIGATOR® Belt Lacing System

Conveyor Belt Lacing

For flat conveyor belts from 12" (300 mm) to 60" (1500 mm) wide and for belts 1/32" to 1/2" (.8 to 13 mm) thick, use conveyor belt lacing sized No. 00 to No. 65. Alligator® Conveyor Belt Lacing is available in steel or stainless steel with corrugated hinge pins furnished as standard.

Steel

Steel is suitable for most applications and is plated for rust and corrosion resistance.

300 Series Stainless Steel

300 Series stainless steel is non-rusting and displays extra resistance to abrasion, acids, chemicals, and magnetic attraction. It is excellent in applications with high sanitation requirements.

Corrugated Hinge Pins

The corrugated pin is standard and is suitable for all sizes of Alligator Belt Lacing and for smaller transmission belt lacing applications. Lugs on the hinge pin engage lacing loops, reducing the possibility of hinge pin migration. Available in steel or stainless steel.



Steel Lacing With Steel Corrugated Hinge Pins											
Belt Width		00	1A	7	15	20	25	27	35	45	55
in.	mm										
12	300	00-12	1A-12	7-12	15-12	20-12	25-12	27-12	35-12	45-12	55-12
18	450	00-18	1A-18	7-18	15-18	20-18	25-18	27-18	35-18	45-18	55-18
24	600	00-24	1A-24	7-24	15-24	20-24	25-24	27-24	35-24	45-24	55-24
30	750	00-30	1A-30	7-30	15-30	20-30	25-30	27-30	35-30	45-30	55-30
36	900	00-36	1A-36	7-36	15-36	20-36	25-36	27-36	35-36	45-36	55-36
42	1050	00-42	1A-42	7-42	15-42	20-42	25-42	27-42	35-42	45-42	55-42
48	1200	00-48	1A-48	7-48	15-48	20-48	25-48	27-48	35-48	45-48	55-48
60	1500	00-60	1A-60	7-60	15-60	20-60	25-60	27-60	35-60	45-60	55-60

Carton contains 4 sets of lacing, 4 corrugated hinge pins, and 1 installation gauge pin with clips.

Stainless Lacing With Stainless Corrugated Hinge Pins											
Belt Width		00S	1S	7S	15S	20S	25S	27S	35S	45S	55
in.	mm										
12	300	00S-12	1S-12	7S-12	15S-12	20S-12	25S-12	27S-12	35S-12	45S-12	55-12
18	450	00S-18	1S-18	7S-18	15S-18	20S-18	25S-18	27S-18	35S-18	45S-18	55-18
24	600	00S-24	1S-24	7S-24	15S-24	20S-24	25S-24	27S-24	35S-24	45S-24	55-24
30	750	00S-30	1S-30	7S-30	15S-30	20S-30	25S-30	27S-30	35S-30	45S-30	55-30
36	900	00S-36	1S-36	7S-36	15S-36	20S-36	25S-36	27S-36	35S-36	45S-36	55-36
42	1050	00S-42	1S-42	7S-42	15S-42	20S-42	25S-42	27S-42	35S-42	45S-42	55-42
48	1200	00S-48	1S-48	7S-48	15S-48	20S-48	25S-48	27S-48	35S-48	45S-48	55-48
60	1500	00S-60	1S-60	7S-60	15S-60	20S-60	25S-60	27S-60	35S-60	45-60	55-60

Carton contains 4 sets of lacing, 4 corrugated hinge pins, and 1 installation gauge pin with clips.

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Belt Lacing System continued

ALLIGATOR®

Belt Lacing System

Transmission Belt Lacing

For flat power-transmission belts up to 12" (300 mm) wide, Alligator® Transmission Belt Lacing is available for sizes 00 through 65. Lacing is scored so it can be easily trimmed to fit narrower belts. Corrugated hinge pins are furnished with the three smallest lacing sizes. A two-piece Rocker Hinge pin is available for sizes 15 to 65.

Steel

Steel is suitable for most applications and is plated for rust and corrosion resistance.

300 Series Stainless Steel

300 Series stainless steel is non-rusting and displays extra resistance to abrasion, acids, chemicals, and magnetic attraction. It is excellent in applications with high sanitation requirements.

Rocker Hinge Pin

The Rocker Hinge pin is furnished with Transmission Belt Lacing. The two-piece pin provides rocking action to reduce friction and wear on loops and lacing. Sizes 15 through 65 are available in steel or stainless steel.



Lacing Width		Sets per Box	Steel	300 Series Stainless
in.	mm			
6	150	6	00	00S
6	150	6	1A	1AS
6	150	6	7	7S-TRANS
12	300	4	15	15S
12	300	4	20	20S
12	300	4	25D	25DS
12	300	8	25G	
12	300	4	27K	27KS
12	300	8	27L	
12	300	4	35N	35NS
12	300	4	45U	45US
12	300	4	55W	55WS
12	300	4	65X	

Carton contains lacing, hinge pins, and gauge pin.

Belt Lacing System continued

ALLIGATOR® Belt Lacing System

Belt Preparation Tools



900 Series* Belt Cutter



845LD Belt Cutter



14" Belt Cutter



Rough Top Belt Skiver



Belt Grinder

900 Series* Belt Cutter

The 900 Series Belt Cutter incorporates numerous features for easy, smooth cutting of belts with extreme accuracy.

- Durable blade design that produces highly accurate cuts while being fully enclosed for safety
- Quick belt clamp feature
- Cuts belts up to 1-1/2" (38 mm)

900 Series* Belt Cutter		
Belt Width		Ordering Number
in.	mm	
24	600	900924
36	900	900936
48	1200	900948
60	1500	900960
72	1800	900972
84	2130	900984

* Patent pending

845LD Belt Cutter

A sturdy, safe, simple, and portable tool specially designed for cutting wide belts.

- Enclosed blade is handle-driven from either end
- Cuts belts up to 1/2" (12 mm) thick

845LD Series Belt Cutter		
Belt Width		Ordering Number
in.	mm	
36	900	845836LD
48	1200	845848LD
60	1500	845860LD
72	1800	845872LD

14" Belt Cutter

Portable tool cuts belts up to 14" (350 mm) wide, quickly and easily.

- Table support features a built-in square to ensure proper cut
- Can cut belts in the middle of the roll by opening the cutter end
- Cuts belts up to 3/8" (9.5 mm) thick

14" Belt Cutter		
Belt Width		Ordering Number
in.	mm	
14	350	CUTTER-14

Rough Top Belt Skiver

Simplifies removal of belt impression covers prior to fastener size selection and installation.

Rough Top Belt Skiver	
Ordering Number	
RTBS	

Belt Grinder

Carbide cuts belt impression cover instead of burning it for quick and clean skiving. Attaches to a 3/8" (10 mm) electric or pneumatic drill (2,500 rpm).

Belt Grinder	
Ordering Number	
RB-1	



ALLIGATOR® STAPLE Fastening System

A Rugged and Durable Splice that is Easy to Install

The Alligator® Ready Set™ Staple Fastener System is ideal for a wide variety of light- and medium-duty fastener applications. The system features one-piece fastener strips with pre-inserted staples that speed installation and keep downtime to a minimum.



Quick, Easy Installation

Designed for belts from 1/16" (1.5 mm) to 1/4" (6.4 mm), Alligator Ready Set installation is easy with a portable, lightweight application tool that can be carried to the job for on-site installation. Simply fit the fastener strip onto the belt end and secure with the special installation tool, then drive and finish set the staples for a strong, long-lasting splice.

Market Applications

- Package and Parts Conveying
- Food and Sanitary Contact
- Agricultural Harvesting and Handling
- Recycling and Scrap Handling
- Wood Products

ALLIGATOR® STAPLE Fastening System

Fastener Overview

How the Alligator® Ready Set™ Fastening System Works



Designed for light and medium-duty synthetic carcass belting, the Alligator® Staple fastener utilizes high tensile, stainless steel staple attachment, in conjunction with an extended plate design. This design separates the point of fastener penetration from the line of belt flexing to eliminate splice fatigue at the point of belt attachment.

Staple fasteners are furnished in strips with a bridge between each fastener plate. This strip design minimizes the chance of individual parts dislodging into the conveyed product. The one-piece design provides a stronger splice, greater resistance to impact damage, and a smoother, unrippled joint that simplifies hinge pin insertion.

Staples are hammer driven through the fastener and belt, working between the carcass fibers without severing them. The staples are then clinched cross-wise to the belt, so that belt tension does not pull against the staples to unclinch them.

Ready Set™ Fasteners

Available in Steel, 316 Stainless Steel, and 430 Stainless Steel. Ready Set Staple Fasteners feature a one-piece fastener strip with pre-inserted staples, reducing installation time by eliminating the need to handle and load individual staples.

Conventional Staple Fasteners

Available in abrasion resistant MegAlloy® providing several times the service life of steel. Staples are separate from the fastener plates. Green guide blocks (ST4-5) must be installed on the installation tool and users can insert staples using the C150 staple dispenser.

Fastener Materials

Steel: Standard fastener material is suitable for most applications. Plated for rust and corrosion resistance.

Stainless Steel: Type 316 provides extra resistance to abrasion, magnetic attraction, and corrosion from acids and chemicals. Also excellent for high-sanitary requirements.

MegAlloy®: Superior resistance to wear and abrasion, providing several times the service life of steel. Not recommended where subject to impact or corrosion.

Magnetic Stainless Type 430: For use with magnetic separators and provides resistance to wear and abrasion. Plate, staple, and hinge pins are all constructed from magnetic stainless steel.

Fastener Material Characteristics

Metal	Magnetic Resistant	Abrasion Resistant	Chemical Resistant	Rust Resistant	Available Sizes	Sparking/ Non-Sparking
Galvanized Steel	No	Good	Poor	Fair	62,125,187	Sparking
316 Stainless Steel	Yes	Good	Good to Excellent	Excellent	62,125,187	Sparking
430 Stainless Steel	No	Good	Fair to Good	Good	62,125,187	Sparking
MegAlloy®	No	Excellent	Poor	Poor	125,187	Sparking

ALLIGATOR® STAPLE

Fastening System

Fastener Selection Guidelines

Specify the Right Alligator® Staple Fastener

1. Determine belt tension.

Most conveyor belting has a mechanical fastener rating. Exercise care to ensure belting or fasteners are operated within the recommended range of their capabilities.

2. Measure belt thickness.

Choose a fastener size which corresponds to belt thickness in the skived area. Measure after any impression top cover has been removed.

3. Measure the diameter of the smallest pulley in your system.

Minimum pulley diameters for individual fasteners are noted in the specification charts for individual fasteners.

4. Choose appropriate fastener size.

Use specifications for individual fastener sizes to guide your selection.

5. Select material.

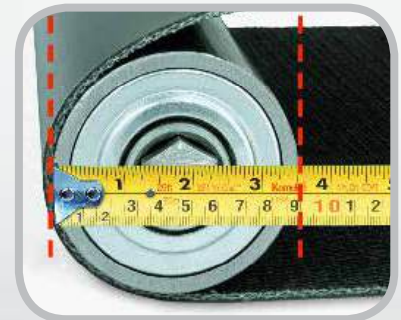
Refer to the material selection chart on page 2 for the metal characteristics which best suit your application. Not all sizes and styles are available in all metals.



Skive impression cover.



Measure belt thickness.



Measure smallest pulley diameter.

Alligator® Ready Set™ Staple Fastener Selection Guide						
Fastener Size	For Belts With Mechanical Fastener Ratings Up To:		Belt Thickness Range		Recommended Minimum Pulley Diameter	
	P.I.W.	kN/m	in.	mm	in.	mm
62	100	17	1/16-1/8	1.5-3.2	2	50
125	160	28	1/8-3/16	3.2-4.8	3	75
187	200	35	3/16-1/4	4.8-6.4	4	102

ALLIGATOR® STAPLE

Fastening System

Fasteners



Fasteners					
Belt Width		Steel With Nylon Covered Steel Cable Pins (NC)	Steel With Spring Wire Pins (SP)	Stainless (300 Series) With Stainless Spring Wire Pins (SS)	Stainless (300 Series) With Nylon Covered Stainless Cable Pins (NCS)
in.	mm				
RS62					
12	300	RS62J12/300NC	RS62J12/300SP	RS62SJ12/300SS	RS62SJ12/300NCS
18	450	RS62J18/450NC	RS62J18/450SP	RS62SJ18/450SS	RS62SJ18/450NCS
24	600	RS62J24/600NC	RS62J24/600SP	RS62SJ24/600SS	RS62SJ24/600NCS
30	750	RS62J30/750NC	RS62J30/750SP	RS62SJ30/750SS	RS62SJ30/750NCS
36	900	RS62J36/900NC	RS62J36/900SP	RS62SJ36/900SS	RS62SJ36/900NCS
42	1050	RS62J42NC	RS62J42SP	RS62SJ42SS	
48	1200	RS62J48NC	RS62J48SP	RS62SJ48SS	RS62SJ48NCS
60	1500	RS62J60NC	RS62J60SP	RS62SJ60SS	RS62SJ60NCS
RS125					
12	300	RS125J12/300NC		RS125SJ12/300SS	RS125SJ12/300NCS
18	450	RS125J18/450NC	RS125J18/450SP	RS125SJ18/450SS	RS125SJ18/450NCS
24	600	RS125J24/600NC	RS125J24/600SP	RS125SJ24/600SS	RS125SJ24/600NCS
30	750	RS125J30/750NC	RS125J30/750SP	RS125SJ30/750SS	RS125SJ30/750NCS
36	900	RS125J36/900NC	RS125J36/900SP	RS125SJ36/900SS	RS125SJ36/900NCS
42	1050	RS125J42NC	RS125J42SP	RS125SJ42SS	RS125SJ42NCS
48	1200	RS125J48NC	RS125J48SP	RS125SJ48SS	RS125SJ48NCS
60	1500	RS125J60NC	RS125J60SP	RS125SJ60SS	RS125SJ60NCS
RS187					
12	300	RS187J12/300NC		RS187SJ12/300SS	RS187SJ12/300NCS
18	450	RS187J18/450NC	RS187J18/450SP	RS187SJ18/450SS	RS187SJ18/450NCS
24	600	RS187J24/600NC	RS187J24/600SP	RS187SJ24/600SS	RS187SJ24/600NCS
30	750	RS187J30/750NC	RS187J30/750SP	RS187SJ30/750SS	RS187SJ30/750NCS
36	900	RS187J36/900NC	RS187J36/900SP	RS187SJ36/900SS	RS187SJ36/900NCS
42	1050	RS187J42NC	RS187J42SP	RS187SJ42SS	RS187SJ42NCS
48	1200	RS187J48NC	RS187J48SP	RS187SJ48SS	RS187SJ48NCS
60	1500	RS187J60NC	RS187J60SP	RS187SJ60SS	RS187SJ60NCS

One carton contains 4 fastener sets, 4 hinge pins, and required amount of retaining washers.

Magnetic Stainless (Type 430)

Includes four fastener sets, four hinge pins, and required retaining washers. Plates, staples, and hinge pins are all magnetic stainless steel.

Magnetic Stainless (Type 430)
RS62MJ24/600MS
RS125MJ24/600MS

MegAlloy® Fasteners

Includes sixteen 6" (150 mm) fastener strips with loose staples. Hinge pins not included.

MegAlloy® Fasteners
125MA
187MA

Note: When ordering MegAlloy® fasteners or bulk ordering lacing with special staple lengths, you must use a green guide block (ST4-5, #50240) with your installation tool. When using loose staples, you can order a staple dispenser to speed installation of this product.

ALLIGATOR® STAPLE

Fastening System

Hinge Pins

Match our selection of hinge pins to the special needs of your application.

NC - Nylon Covered Steel Cable

For use with steel fasteners, NC hinge pins are recommended for troughing or flat belt conveyors.

NCS - Nylon Covered Stainless Steel Cable

For extra abrasion and chemical resistance.

SS - Stainless Steel Spring Wire

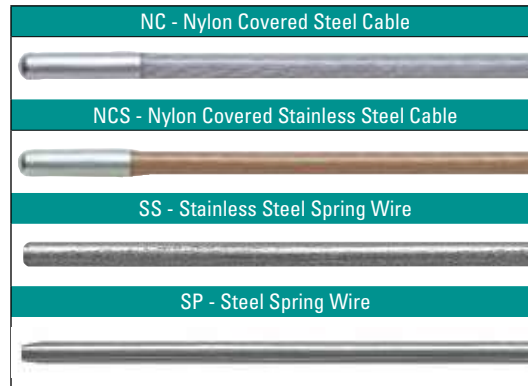
For use with stainless steel fasteners, flat belts only.

SP - Steel Spring Wire

For use with steel fasteners in abrasive or gritty material applications, flat belt only.

Hinge Pins			
Belt Width		SP Steel Spring Wire Pins	SS 300 Series Stainless Spring Wire Pins
in.	mm		
62			
12	300	SP62-12/300	SS62-12/300
18	450	SP62-18/450	SS62-18/450
24	600	SP62-24/600	SS62-24/600
30	750	SP62-30/750	SS62-30/750
36	900	SP62-36/900	SS62-36/900
42	1050	SP62-42	SS62-42
48	1200	SP62-48	SS62-48
60	1500	SP62-60	SS62-60
125			
18	450	SP1-18/450	SS1-18/450
24	600	SP1-24/600	SS1-24/600
30	750	SP1-30/750	SS1-30/750
36	900	SP1-36/900	SS1-36/900
42	1050	SP1-42	SS1-42
48	1200	SP1-48	SS1-48
60	1500	SP1-60	SS1-60
187			
18	450	SP2-18/450	SS2-18/450
24	600	SP2-24/600	SS2-24/600
30	750	SP2-30/750	SS2-30/750
36	900	SP2-36/900	SS2-36/900
42	1050	SP2-42	SS2-42
48	1200	SP2-48	SS2-48
60	1500	SP2-60	SS2-60

Packages of 10 pins.



Hinge Pin Coils			
Coil Length		NC Nylon Covered Steel Cable	NCS Nylon Covered Stainless Cable
Foot	M		
62			
10	3	NC62-X	NCS62-X
100	30	NC62-C	NCS62-C
125			
10	3	NC1-X	NCS1-X
100	30	NC1-C	NCS1-C
187			
10	3	NC187-X	NCS187-X
100	30	NC187-C	NCS187-C

Pin material is offered in 10' (3 M) coils ("X") or 100' (30 M) reels ("C").

Hinge Pin Retaining Washers

Avoid hinge-pin migration with easy-to-install retaining washers.

Retaining Washers	
For Fastener Number	Ordering Number
62	62-RET-50
125	125-RET-50
187	187-RET-50

Box of 50 washers.



Alligator® Hinge Pin Cutter

Cuts bulk hinge pin cable quickly and easily. Provides a clean cut with no frayed ends.

Alligator® Hinge Pin Cutter	
APC-1	



Hinge Pin Bender

Bends hinge pin end to prevent migration.

Hinge Pin Bender	
PB1	

For use with steel spring wire pin.



ALLIGATOR® STAPLE Fastening System

Installation Tools

RSC187 Installation Tool

Securely holds the fasteners on the belt, in proper alignment, while staples are driven. Installs two staples simultaneously for fast, simple splicing and the tool can be moved rapidly along the belt as staples are installed. Also provides a solid anvil surface for initial clinching of the staples.

The RSC187 tools come complete with guide blocks and drivers and are available in a variety of widths. Wider tools are available for production lacing and fabrication shop requirements.

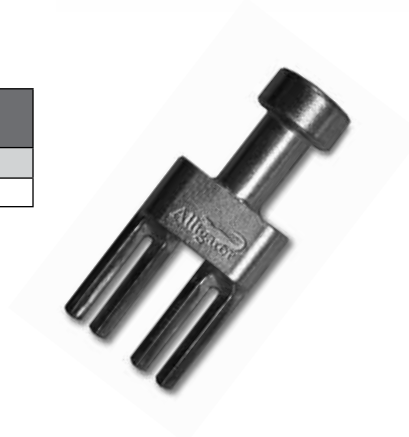
RSC187 Installation Tool		
Tool Size		Ordering Number
in.	mm	
2	50	RSC187
4	100	RSC187-4
6	150	RSC187-6
12	300	RSC187-12
24	600	RSC187-24



Alligator® Quad Staple Driver

The Alligator® Quad Staple Driver allows for the installation of four staples at one time. Using a 2 lb. hammer, this durable, heat-treated steel quad driver allows installers to cut their installation time by 50%.

Alligator® Quad Staple Driver	
Ordering Number	
ST6-9	



Alligator® Staple Tool Kit

Everything you need to install, maintain, and repair Alligator Ready Set Staple splices. Kit includes the RSC187 tool described above, as well as the staple final set plate, hand skiver, belt marker, belt nippers, and 1 lb. (.45 kg) hammer. Packaged in a durable box with plenty of room for other items.

Staple Kits	
Description	Ordering Number
6" Installation Kit	RSTK4-6
12" Installation Kit	RSTK4-12



ALLIGATOR® STAPLE Fastening System

Installation Tools

Alligator® Staple Gold Class™ Plus

The Gold Class™ power driver, in conjunction with the Gold Class Plus tool allows users to install Alligator® Ready Set™ staple plates with quick and effortless trigger pulls. The design of the Gold Class Plus tool allows users to switch between plate sizes in mere seconds.

The Gold Class Plus tool combines both the initial and final set function in a single base. This process is not only fast and easy, but it is also virtually error proof. The patented drive punch has been designed to

seat the front edge of the fastener plate down for proper compression, while also keeping the fastener loops protected. This ensures smooth hinge pin insertion.

By eliminating the need to use a hammer to install the fasteners, the Alligator Staple Gold Class system reduces the risk of repetitive motion injuries. It also reduces operator fatigue associated with hammer installing numerous splices throughout the day.

Alligator® Staple Gold Class™ Plus		
Description	Ordering Number	Item Code
Alligator® Staple Gold Class™ Plus Installation Tool		
24" Alligator Gold Class Plus Installation Tool	RS-GOLD-DA	55590
Replacement Parts		
Guide Block	ST7-5	55554
Anvil Replacement Kit	ST8-ANV	55591
Cam Lever	ST8-CAM	55592
Alligator® Staple Gold Class™ Power Driver		
Power Driver	RS-GOLD-DRIVER	55541



3 Simple Steps:



Initial Set:

Fasteners and belt are inserted into the base where the pre-staked staples are driven through the belt with simple trigger pulls.



Simple Adjustment:

After the fasteners are initially set, simply flip the handle.



Final Set:

With additional trigger pulls, the staples receive their final set and the compression fit is obtained.

ALLIGATOR® STAPLE Fastening System

Belt Preparation Tools

900 Series* Belt Cutter

The 900 Series Belt Cutter incorporates numerous features for easy, smooth cutting of belts with extreme accuracy.

- Durable blade design that produces highly accurate cuts while being fully enclosed for safety
- Quick belt clamp feature
- Cuts belts up to 1-1/2" (38 mm)

900 Series* Belt Cutter		
Belt Width		Ordering Number
in.	mm	
24	600	900924
36	900	900936
48	1200	900948
60	1500	900960
72	1800	900972
84	2130	900984

* Patent pending

845LD Belt Cutter

A sturdy, safe, simple, and portable tool specially designed for cutting wide belts.

- Enclosed blade is handle-driven from either end
- Cuts belts up to 1/2" (12 mm) thick

845LD Series Belt Cutter		
Belt Width		Ordering Number
in.	mm	
36	900	845836LD
48	1200	845848LD
60	1500	845860LD
72	1800	845872LD

Rough Top Belt Skiver

Simplifies removal of belt impression covers prior to fastener size selection and installation.

Rough Top Belt Skiver	
Ordering Number	
RTBS	

Belt Grinder

Carbide cuts belt impression cover instead of burning it for quick and clean skiving. Attaches to a 3/8" (10 mm) electric or pneumatic drill (2,500 rpm).

Belt Grinder	
Ordering Number	
RB-1	

Belt Nippers

Simple, hand-held tool used to notch/chamfer belt edges and to remove individual fastener plates from belt.

Belt Nippers	
Ordering Number	
BN-1	



900 Series* Belt Cutter



845LD Belt Cutter



Rough Top Belt Skiver



Belt Grinder



Belt Nippers

FLEXCO® Bolt Hinged Fastener System

Ideal for Applications that Use Smaller Pulleys, but Still Require a High-Strength, Dependable Splice.

Sturdy hinged construction makes Flexco® Bolt Hinged fasteners ideal. A choice of sizes accommodate belts from 1/4" (6 mm) to 5/8" (16 mm) thick.

Versatile, easy-to-install design

For belt conveyor applications subject to frequent length adjustments, the Bolt Hinged fastener is easy to install – and re-install. The joint can be separated simply by removing the hinge pin.

On-site installation requires hand or power tools. Our exclusive piloted bolt also simplifies installation and holds fastener plates firmly in place. For added strength and pull-out resistance, specially formed teeth penetrate deep into the belt carcass without damaging carcass fibers.

Market Applications:

- Construction and Road Equipment
- Coal • Salt • Potash • Grain
- Wood Products • Recycling



*Exclusive tapered tip cradles
nuts securely in place.*

Easy to use.

Reduces installation time.



No. 375X



No. 550

Bolt Hinged Fastener Selection Guide

Fastener Size	Belt Thickness Range		For Belts with Mechanical Fastener Ratings Up To:		Recommended Minimum Pulley Diameter (Operating Tension 75%-100% of Belt Rating)	
	in	mm	P.I.W.	kN/m	in	mm
375X	1/4 - 13/32	6 - 11	190	33	6	150
550	1/4 - 5/8	6 - 16	300	52	9	225

FLEXCO®

Bolt Hinged Fastener System

"J" Carton Complete Fastener Joint

Each "J" carton includes one complete belt joint for belt widths from 12" (300 mm) to 60" (1500 mm). Each carton includes:

- 2 Fastener Strips
- 1 Gauge Pin
- 1 Hinge Pin
- 2 Hinge Pin Washers
- Filler Tubing
- Required Piloted Bolts, Nuts, and Clips



Ordering Information					
375X Fasteners					
Belt Width		Ordering Number			
in	mm	NC Steel Joint with Nylon Covered Steel Cable *	NCS Steel Joint with Nylon Covered Stainless Cable *	SC Steel Joint with Bare Steel Cable *	SSC Stainless Joint with Bare Stainless Cable **
18	450	375XJ18NC	375XJ18NCS		
24	600	375XJ24NC	375XJ24NCS	375XJ24SC	375XSJ24SSC
30	750	375XJ30NC	375XJ30NCS		375XSJ30SSC
36	900	375XJ36NC	375XJ36NCS	375XJ36SC	375XSJ36SSC
42	1050	375XJ42NC	375XJ42NCS		375XSJ42SSC
48	1200	375XJ48NC	375XJ48NCS	375XJ48SC	375XSJ48SSC
60	1500	375XJ60NC			375XSJ60SSC

* "J" CARTON – Continuous Strip w/Steel Nuts & Bolts

** "J" CARTON – Continuous Strip w/Stainless Nuts & Bolts

Ordering Information					
550 Fasteners					
Belt Width		Ordering Number			
in	mm	NC Steel Joint with Nylon Covered Steel Cable *	NCS Steel Joint with Nylon Covered Stainless Cable *	SC Steel Joint with Bare Steel Cable *	SSC Stainless Joint with Bare Stainless Cable **
18	450	550J18NC			
24	600	550J24NC	550J24NCS	550J24SC	550J24SSC
30	750	550J30NC	550J30NCS	550J30SC	550J30SSC
36	900	550J36NC	550J36NCS	550J36SC	550J36SSC
42	1050	550J42NC	550J42NCS	550J42SC	550J42SSC
48	1200	550J48NC	550J48NCS	550J48SC	550J48SSC
60	1500	550J60NC			

* "J" CARTON – Continuous Strip w/Steel Nuts & Bolts

** "J" CARTON – Continuous Strip w/Stainless Nuts & Bolts

FLEXCO®

Bolt Hinged Fastener System

Ordering Information									
Extra Hinge Pins for 375X and 550									
Belt Width		Ordering Number							
		NC (1/4" dia.) Nylon Covered Steel Cable		NC (1/4" dia.) Nylon Covered Steel Cable*		SC (1/4" dia.) Bare Steel Cable		SSC (7/32" dia.) Bare Stainless Cable*	
in	mm	Each (One Pin)	Package (Ten Pins)	Each (One Pin)	Package (Ten Pins)	Each (One Pin)	Package (Ten Pins)	Each (One Pin)	Package (Ten Pins)
18	450	NC-18-1	NC-18		NCS-18				
24	600	NC-24-1	NC-24	NCS-24-1	NCS-24	SC-24-1	SC-24	SSC-24-1	SSC-24
30	750	NC-30-1	NC-30	NCS-30-1	NCS-30	SC-30-1	SC-30	SSC-30-1	SSC-30
36	900	NC-36-1	NC-36	NCS-36-1	NCS-36	SC-36-1	SC-36	SSC-36-1	SSC-36
42	1050	NC-42-1	NC-42	NCS-42-1	NCS-42	SC-42-1	SC-42	SSC-42-1	SSC-42
48	1200	NC-48-1	NC-48	NCS-48-1	NCS-48	SC-48-1	SC-48	SSC-48-1	SSC-48
60	1500	NC-60-1	NC-60	NCS-60-1	NCS-60				

* 300 Series

NC – Nylon Covered Steel Cable

Nylon covering reduces corrosion and simplifies hinge pin insertion.

SC – Bare Steel Cable

Recommended for abrasive or gritty material conveyance.

NCS – Nylon Covered Stainless Steel Cable

For greater corrosion resistance.

SSC – Bare 300 Series Stainless Steel Cable

For conditions where corrosion attacks ordinary steel pins.

Extra piloted bolts and nuts

Replacement piloted bolts and nuts are packaged separately, 100 per box.



Ordering Information		
Extra Piloted Bolts		
For Fastener Number	Ordering Number	
	Steel	Stainless 300 Series
375X	20398	20400
550	20399	20400

Ordering Information		
Extra Nuts		
For Fastener Number	Ordering Number	
	Steel	Stainless 300 Series
375X	20380	20381*
550	20380	20381*

* Slotted Nuts

Plastic filler tubing reduces sifting

Flexco Plastic Filler Tubing is furnished in all “J” cartons, and keeps sifting of fine materials through the hinged joint to a minimum. It is included with every “J” carton and is sold by the 100-foot reel.

Ordering Information		
Filler Tubing		
Description	Qty.	Ordering Number
375X / 550	100'/Pkg.	30894



FLEXCO®

Bolt Hinged Installation Tools and Supplies

The only tools needed for Bolt Hinged fastener installation are the portable hand tools or power tools and the Flexco® Bolt Hinged Curved Templet described here.

Ordering Information		
Hand Installation Tools		
Description	For Fastener Number	Ordering Number
Punch	375X & 550	P1P
Boring Bit	375X & 550	B1B
Wrench	375X & 550	100*
		S1S**

* For use with Steel No. 375X or Steel No. 550 nuts.

** For use with Stainless No. 375X or Stainless No. 550 nuts.

Ordering Information		
Power Installation Tools		
Description	For Fastener Number	Ordering Number
Power Punch	375X & 550	HP1
Power Boring Bit	375X & 550	HB1
Power Wrench	375X & 550	H100*
		HW1**
Quick Change Chuck	375X & 550	5552

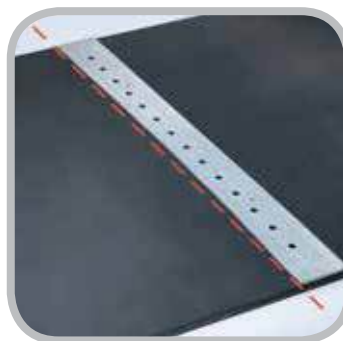
* For use with Steel No. 375X or Steel No. 550 nuts.

** For use with Stainless No. 375X or Stainless No. 550 nuts.

Ordering Information		
Bolt Breaker		
Description	For Fastener Number	Ordering Number
Bolt Breaker (Two Per Package)	1, 140, 190 & RP1	110
	1-1/2, 2, 2-1/4 & RP2	112
	2-1/2 & 3	113

Curved Templets

Our specially designed curved templet ensures accurate placement of punched or drilled holes. Using the templet also ensures a precise concave cut to provide uniform tension across full belt end and minimize the potential for splice edge failure.



Ordering Information			
Curved Templets			
Belt Width		Ordering Number	
in	mm	375X	550
18	450	375X-18	518
24	600	375X-24	524
30	750	375X-30	530
36	900	375X-36	536
42	1050	375X-42	542
48	1200	375X-48	548
60	1500	375X-60	560

FLEXCO® BOLT SOLID PLATE Fastening System

The Industry Standard for Strong, Long-Lasting Splices

Flexco® Bolt Solid Plate fasteners are engineered to meet the demands of the toughest material handling applications, providing a strong, sift-free splice with superior holding ability. A choice of sizes accommodates belts from 3/16" (5 mm) to over 15/16" (24 mm) thick.



*Exclusive Piloted Bolts:
Tapered tips that cradle
nuts securely in place.
Reduce installation time.
Easy to use.*



Selection Guide

Fastener Size	Belt Thickness Range		For Belts with Mechanical Fastener Ratings Up To:		Minimum Pulley Diameter	
	in.	mm	P.I.W.	kN/m	in.	mm
1	3/16 - 7/16	5 - 11	150	30	12	300
140, 140VP	3/16 - 7/16	5 - 11	225	40	14	360
190, 190VP	5/16 - 9/16	8 - 14	375	65	18	460
1-1/2	7/16 - 11/16	11 - 17	300	50	18	460
2, 2VP	9/16 - 13/16	14 - 21	440	75	30	760
2*	15/16 - 1-1/4	8 - 32	700	123	20	510
2-1/4	9/16 - 1-3/16	14 - 30	620	105	36	920
2-1/2	3/4 - 1	19 - 25	450	75	42	1070
3	15/16 & over	24 & over	560	100	48	1220

* When used with No. 3 Lead Wedlok® pattern, belts over 7/8" (22 mm) require extra long No. 2-1/4 bolts

High strength.

High strength is the result of superior design and plate compression on both the top and bottom sides of the belt. High tensile strength bolts compress top and bottom plates to distribute splice tension evenly across the entire width of each fastener plate. For added strength and pull-out resistance, specially formed teeth penetrate deep into the belt carcass – without damaging carcass fibers.

Easy installation.

Field-proven templates, punches, and boring tools make it easy to quickly and accurately prepare belts for fastener installation. Fasteners are easily installed on-site using portable hand tools or power tools. Our exclusive piloted bolts also contribute to faster installation.

Market applications.

- Sand • Gravel • Crushed Stone • Grain
- Coal • Cement • Salt

FLEXCO® BOLT SOLID PLATE Fastening System

Fasteners

Each Quick-Fit “E” box contains 25 complete fastener sets. A set consists of a top plate, a bottom plate, two nuts, and two bolts.

Ordering Information			
Steel	Stainless— 300 Series	MegAlloy® Top Plates Balance Steel	MegAlloy® Top & Bottom Plates, Steel, Bolts & Nuts
“E” Box (25 Fastener Sets)			
1E			
140E	140ES	140EMA	140EMAP
190E	190ES	190EMA	190EMAP
1-1/2E	1-1/2ES	1-1/2EMA	1-1/2EMAP
2E	2ES	2EMA	2EMAP
2-1/4E	2-1/4ES	2-1/4EMA	2-1/4EMAP
2-1/2*			
3*			
“C” Bucket (100 Fastener Sets – Bottom Plates Pre-Assembled)			
1C		ICMA	
140C		140CMA	140CMAP
190C		190CMA	190CMAP
1-1/2C		1-1/2CMA	1-1/2CMAP
2C		2CMA	2CMAP
2-1/4C		2-1/4CMA	
2-1/2C**			
3**			

* 10 fastener sets

** Packaged in cartons

NOTE: Additional fastener metal selections are available



Flexco® VP™ Fasteners

Rubber Covered Top Plates Balance Steel			Rubber Covered Top Plates MegAlloy® Bottom Plates		
Ordering Number	Plates Per Strip	Strips Per Box	Ordering Number	Plates Per Strip	Strips Per Box
Box*			Box*		
140VP	6	5	140VPMA	6	5
190VP	6	5	190VPMA	6	5
2VP	4	6			
Bucket			Bucket		
140VPB	6	16	140VPBMA	6	16
190VPB	6	16	190VPBMA	6	16
2VPB	4	24			

* Box quantities provide enough fasteners to splice a 36" (900 mm) belt

Fasteners Sets Required in a Complete Joint

Belt Width		Fastener Size 1, 140, & 190				Fastener Size 1-1/2, 2 & 2-1/4				Fastener Size 2-1/2 & 3			
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
		90°		45°		90°		45°		90°		45°	
12	300	10	9	12	12	8	8	9	10	6	6	7	7
18	450	15	14	19	19	12	11	15	15	9	9	12	12
24	600	20	19	26	26	16	15	21	21	12	13	17	16
30	750	25	24	33	33	20	19	27	27	16	16	21	21
36	900	30	29	41	40	24	23	33	32	19	19	26	26
	1000		32		45		26		36		21		29
42	1050	35	34	48	47	28	27	39	38	22	21	31	30
48	1200	40	39	55	54	32	31	44	43	26	26	35	35
54	1350	45	44	63	61	36	35	48	49	29	29	40	40
60	1500	50	49	69	68	40	39	56	55	32	32	44	44
72	1800	61	59	83	82	48	49	68	65	39	39	53	53

NOTE: Required fastener sets may vary from those listed depending on exact fastener size

FLEXCO® BOLT SOLID PLATE Fastening System

Installation Tools

90° and 45° Templets

Templets are required for 90° and 45° Bolt Solid Plate fastener installation. Templets simplify installation by providing a guide for accurate bolt-hole placement. Lengths for all standard belt widths are available.

Ordering Information									
Belt Width		Ordering Number							
in.	mm	1	140	190	1-1/2	2	2-1/4	2-1/2	3
90° Templets									
12	300	1-12	140-12	190-12	1-1/2-12	2-12			
18	450	1-18	140-18	190-18	1-1/2-18	2-18			
24	600	1-24	140-24	190-24	1-1/2-24	2-24	2-1/4-24	2-1/2-24	
30	750	1-30	140-30	190-30	1-1/2-30	2-30	2-1/4-30	2-1/2-30	
36	900	1-36	140-36	190-36	1-1/2-36	2-36	2-1/4-36	2-1/2-36	3-36
42	1050	1-42	140-42	190-42	1-1/2-42	2-42	2-1/4-42	2-1/2-42	3-42
48	1200	1-48	140-48	190-48	1-1/2-48	2-48	2-1/4-48	2-1/2-48	3-48
54	1350				1-1/2-54	2-54	2-1/4-54	2-1/2-54	
60	1500			190-60	1-1/2-60	2-60	2-1/4-60	2-1/2-60	3-60
72	1800				1-1/2-72	2-72	2-1/4-72	2-1/2-72	3-72
45° Templets									
12	300	1-12-45							
18	450	1-18-45		190-18-45	1-1/2-18-45				
24	600	1-24-45	140-24-45	190-24-45	1-1/2-24-45	2-24-45			
30	750	1-30-45	140-30-45	190-30-45	1-1/2-30-45	2-30-45			
36	900	1-36-45	140-36-45	190-36-45	1-1/2-36-45	2-36-45			
42	1050		140-42-45	190-42-45	1-1/2-42-45	2-42-45			
48	1200	1-48-45	140-48-45	190-48-45	1-1/2-48-45				
60	1500		140-60-45	190-60-45	1-1/2-60-45	2-60-45			



Rip Repair

Use standard Flexco® Solid Plate fasteners to repair conveyor belt holes and edge tears. For jagged length-wise conveyor belt tears, standard Bolt Solid Plate fasteners can be combined with three-bolt Rip Repair fasteners. Three-bolt Rip Repair fasteners can also be used to bridge “soft” spots in the belt before they become rips.



Rip Repair Selection Information

Belt Thickness		Fastener Size
in.	mm	
3/8-9/16	10-14	No. 16
1/4-1/2	6-13	RP1
3/8-13/16	10-21	RP2
9/16-1-3/16	14-30	2-1/4



Ordering Information

Ordering Number	Box Qty.
Steel	
RP1E	25
RP1C	100
RP2E	25
RP2C	100
2-1/4E	25
2-1/4C	100
Stainless	
RP1ES	25
RP2ES	25
2-1/4ES	25
Everdur®	
2-1/4EE	25
Turtle® Fastener—Steel	
16	50



Hand installation tools



Power installation tools



Bolt Breaker



Flexco-Lok® Tape



Cracking Chisel

FLEXCO® BOLT SOLID PLATE Fastening System

Installation Tools and Supplies

The only tools needed for Bolt Solid Plate fastener installation are a templet and portable hand or power tools such as wrenches and belt punches. Impact wrench driven power tools are recommended and can reduce installation time by at least 50%.

Flexco-Lok® Tape

Rigid nylon tape helps eliminate belt ripples on plied or solid-woven belting so belts run smoothly over pulleys and under cleaners. Also helps seal splices against seepage of fines and moisture.

Cracking Chisel

With a hammer and cracking chisel, individual worn plates can be easily replaced – without resorting to replacement of the entire splice.



Silicone Lubricant Spray

Ordering Information		
Description	Fastener Number	Ordering Number
Hand Installation Tools		
Bolt Horn		2BH
Punch	1, 140, 190, RP1	P1P
	1-1/2, 2, 2-1/4, RP2	P2P
	2-1/2, 3	P3P
Boring Bit	1, 140, 190, RP1	B1B
	1-1/2, 2, 2-1/4, RP2	B2B
	2-1/2, 3	B3B
Wrench	1, 140, 190, RP1	S1S**
	1-1/2, 2, 2-1/4, RP2	S2S
	2-1/2, 3	S3S
Power Installation Tools		
Power Punch	1, 140, 190, RP1	HP1
	1-1/2, 2, 2-1/4, RP2	HP2
	2-1/2, 3	HP3
Power Boring Bit	1, 140, 190, RP1	HB1
	1-1/2, 2, 2-1/4, RP2	HB2
	2-1/2, 3	HB3
Power Wrench	1, 140, 190, RP1	HW1**
	1-1/2, 2, 2-1/4, RP2	HW2
	2-1/2, 3	HW3
Quick Change Chuck		5552
Bolt Breaker		
Bolt Breaker (Two Per Package)	1, 140, 190, RP1	110
	1-1/2, 2, 2-1/4, RP2	112*
	2-1/2, 3	113*
Flexco-Lok® Tape (100' per carton)		
	1, 140	FL7C
	190, 1-1/2, 2, 2-1/4	FL11C
Cracking Chisel		
	1, 140, 190	C1C
	1-1/2, 2, 2-1/4	C2C
	2-1/2, 3	C3C
Flexco® Silicone Lubricant		
Silicone Lubricant Spray		SL5-1

* Sizes 112 and 113 are straight bolt breakers—no bend

** For use with slotted nuts only



UNIBAR® Wire Hooks

Performance-Proven Clipper® Hooks for Simplified Installation.

Unibar® fasteners feature performance-proven Clipper® hooks welded to a common bar for easier installation with less downtime.



Faster.

- The welded common bar holds individual hook legs parallel during the installation process and creates a flat finished splice (no 'belt wave'). This combination eases the meshing of spliced belt ends and simplifies pin insertion.
- The Safety Strip can be quickly and easily removed either by sliding the paper off or gently pulling it off the hook points.
- Available in 12" and 24" (300 and 600 mm) lengths standard; custom lengths available up to 60" (1500 mm), saving both installation time and money.

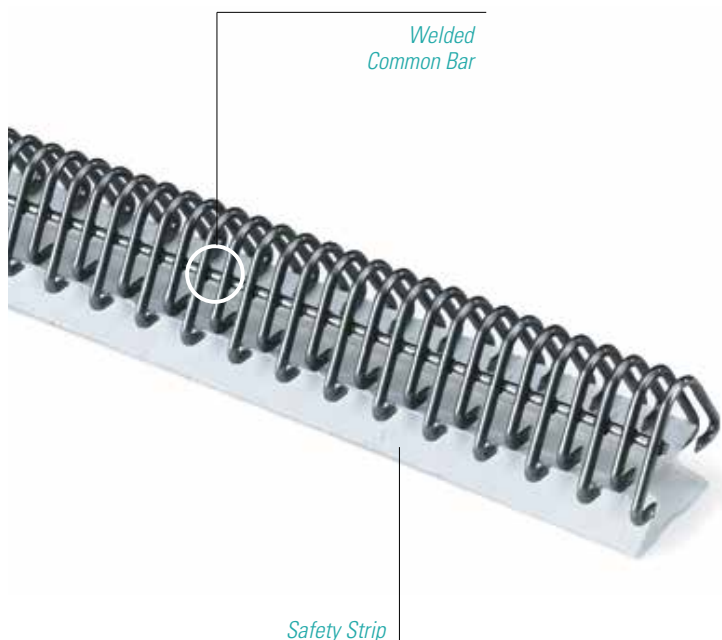
Safer.

- The Safety Strip keeps hook points covered to protect the user's fingers during handling and eliminates the product from being tangled during transportation.
- The risk of a single hook dislodging from the strip is virtually eliminated.

Smarter.

Each of the easier installation and reduced downtime features make Unibar wire hooks the Smart choice for these and many other applications:

- Package and Parts Handling
- Food Processing
- General Manufacturing
- Agriculture
- Filter Media





UNIBAR®

Wire Hooks

Specifications

Min. Pulley Diameter	Wire Thickness	Connecting Pin Size	Belt Thickness											
			Up to 3/64" 1.2mm	1/16" 1.6mm	3/32" 2.4mm	1/8" 3.2mm	5/32" 4.0mm	3/16" 4.8mm	7/32" 5.6mm	1/4" 6.4mm	17/64" 6.7mm	5/16" 7.9mm	11/32" 9.0mm	25/64" 10.0mm
15/16" (24mm)	.036 x .027"	.065"/1.7mm	UCM36SL XSP											
	.036 x .027"	.065"/1.7mm		UCM36SL SP										
2" (51mm)	.036 x .027"	.065"/1.7mm	UCM36 XSP											
	.036 x .027"	.065"/1.7mm		UCM36 SP*										
	.036 x .027"	.065"/1.7mm			UCM36*									
	.036 x .027"	.065"/1.7mm				UCM36 LP								
	.040"	.065"/1.7mm		UX1 SP*										
	.040"	.065"/1.7mm				UX1*								
	.054"	.093"/2.4mm				U2SP								
	.054"	.093"/2.4mm					U2							
3" (76mm)	.054"	.093"/2.4mm						U3						
5" (127mm)	.054"	.109"/2.8mm							U4					
	.054"	.125"/3.2mm								U5				
6" (152mm)	.054"	.156"/4.0mm										U6		
7" (175mm)	.054"	.156"/4.0mm											U7	

*Long Leg available; allow for 1" (25mm) larger pulley. Contact customer service for ordering information

SL = Short Leg
XSP = Extra Short Point
SP = Short Point
LP = Long Point

Ordering Information

UX1, U2-U7: 430 Stainless Steel

Quantity - Length	UX1SP	UX1	U2SP	U2	U3	U4	U5	U6	U7
12 - 12" Strips	01184	01179	18851	18400	01255	01283	01305	18404	01294
10 - 24" Strips	01355	01356	18854	18477	18478	18479	01351	-	-

UCM36: 316 Stainless Steel

Quantity - Length	UCM36SLXSP	UCM36SLSP	UCM36XSP	UCM36SP	UCM36	UCM36LP
12 - 12" Strips	01315	01313	01312	01314	01309	01317
12 - 24" Strips	01319	01320	01321	01322	01323	-

UX1, U2-U5: 316 Stainless Steel

Quantity - Length	UX1SP	UX1	U2	U3	U4	U5
12 - 12" Strips	01194	01189	18427	01258	18429	18430
10 - 24" Strips	01354	01353	18507	18508	18509	-

RDP1 Diagonal Plow

A "Belt Cleaner" for the Tail Pulley

The Diagonal Plow cleans the belt in front of the tail pulley. It keeps lumps, rocks and other fugitive materials out of the tail pulley where they could cause damage to the belt, the mechanical splice, the lagging or the pulley. This is the versatile, economical solution for protecting the tail pulley, drive pulley, or gravity take-up pulleys from carryback materials.



*Simple and quick
installation and
blade replacement*

*Easy adjustment with the
threaded bolt for constant
blade-to-belt contact*



*Innovative design
cleans the belt quickly and
provides a long wear life*



*Quickly and efficiently
the leading edge lifts and
'spirals' debris and water
off the belt*

Features and Benefits

- **Reduces belt mistracking.** Material build-up on a pulley causes belt mistracking problems which can lead to other problems on the conveyor. The RDP1 Diagonal Plow removes those materials before they get into the pulley and begin building up.
- **Discharges to either side of the belt.** The plow can be angled to discharge materials to either side of the belt, making it as convenient as possible for cleanup.
- **Can be used anywhere on the beltline.** The RDP1 Diagonal Plow can be installed on the side of the return belt anywhere there is a problem with materials falling onto the belt. Many times it is installed just behind the head pulley to dump carryback before it travels down the beltline.
- **Economical.** Durability and budget-conscious pricing make the Diagonal Plow very versatile. Replacement blades are also low cost.

RDP1

Diagonal Plow

Specifications and Guidelines

- **Maximum Belt Speed**
700 FPM (3.5 M/sec)
- **Temperature Rating**
-40°F to 160° F (-40° C to 71° C)
- **Blade Material**
UHMWPE 67-D durometer
- **Belt Direction**
One Way
- **Available for Belt Widths**
18" to 84" (450 to 2100mm)
- **Grease and Chemical Resistance**
Excellent
- **Sticky Material Performance**
Excellent

Ordering Information

Diagonal Plows				
Size	Belt Width		Ordering Number	Item Code
	in.	mm		
Small	18-30	450-750	RDP1-S	74692
Medium	36-42	900-1050	RDP1-M	74693
Large	48-60	1200-1500	RDP1-L	74694
Extra Large	72-84	1800-2100	RDP1-XL	74695

Replacement Blade Kits				
Size	Belt Width		Ordering Number	Item Code
	in.	mm		
Small	18-30	450-750	RDPBK-S	74699
Medium	36-42	900-1050	RDPBK-M	74700
Large	48-60	1200-1500	RDPBK-L	74701
Extra Large	72-84	1800-2100	RDPBK-XL	74702

Additional Information

Use in combination with a precleaner and secondary cleaner for the most effective cleaning solution.



BELT POSITIONER™

Immediate Tracking Results

The Belt Positioner™ is the simple, reliable solution for problem belts that consistently mistrack to one side of the conveyor. The Belt Positioner works on the return side belt using simple angled rollers mounted in a fixed position to quickly and continuously funnel the belt into the correct path. This is the "quick fix" solution for belt tracking problems caused by conveyor misalignment mishaps, ground shifts, or on temporary systems.

Comes assembled so it's ready for quick installation.



Rubber-Lagged and Steel Rollers are standard.



Ensures center loading by installing before the tail pulley.

Immediately influence the belt path up to 50 ft (15M) in both directions.



Features and Benefits

- **No belt edge damage.** The idler rollers on the Belt Positioner make smooth contact with the return side belt's bottom cover and not on the belt's edges.
- **Easy installation and setup.** Simply preset the unit for the conveyor structure width, position the unit on the belt and bolt or weld in place. Adjust the rollers to the belt and watch the results. It's simple and you can see the results immediately.
- **Economical.** Durability and budget-conscious pricing make the Belt Positioner very versatile.
- **Long service life.** The Belt Positioner's innovative design does not rely on a pivoting mechanism to move and steer a wandering belt. The rollers are sealed for life. Simply inspect the idler rollers occasionally for wear.

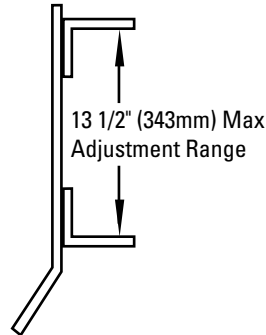
BELT POSITIONER™

Specifications and Guidelines

- **Maximum Belt Speed**
1000 FPM (5M/sec)
- **Max Temperature Rating**
-4° F to 220° F (-20° C to 104° C)
- **Belt Direction**
Reversing
- **Available for Belt Widths**
18" to 96" (450 to 2400mm)
- **Mounting Bracket Adjustment**
13-1/2" (343mm)
- **Maximum PIW**
800 PIW on S, M, L
1200 PIW on XL

Roller Specifications		
Specification	Exalon	Steel
Material	STEEL and 3/8" RUBBER	STEEL
Durometer	60	N/A
Rating	CEMA D (XL is CEMA E)	CEMA D (XL is CEMA E)
Bearings	6305 Sealed Ball Bearing	6305 Sealed Ball Bearing
Shaft Diameter	1" (25mm)	1" (25mm)
Wall Thickness	9 Gauge (.148) (XL - 1/4")	9 Gauge (.148) (XL - 1/4")
Specific Gravity	Over 1	Over 1
Working Temperature	-4° to 220° F -20° to 104° C	-4° to 220° F -20° to 104° C
Grease & Chemical Resistance	Good	Good
Sticky Material Performance	Excellent	Good
Sticky Material Performance	Excellent	Good

Roller Dimensions				
Size	Length		Diameter	
	in.	mm	in.	mm
Small	9	225	5	125
Medium	13	325	5	125
Large	19	475	5	125
Extra Large	21	525	6	150



Conveyor Criteria	Belt Positioner
Top side mistracking	NO
Return side mistracking	YES
Belt mistracking to one side	EXCELLENT
Belt mistracking to both sides	POOR
Inconsistent tracking problem	GOOD
Belt is cupped (heavy)	GOOD
Belt has low running tension	POOR
Belt has medium running tension	GOOD
Belt has high running tension	GOOD
Approx. "upstream" effect*	50' (15M)
Approx. "downstream" effect*	50' (15M)

*Typical results; actual results may vary.

Ordering Information

Belt Positioner™ with Rubber Rollers						
Description	Belt Width (Min-Max)		Positioner Width (Min-Max)		Ordering Number	Item Code
	in.	mm	in.	mm		
Small	18-24	450-600	24-34	600-850	RBP1R-S	90646
Medium	30-48	750-1200	34-56	850-1400	RBP1R-M	90647
Large	54-72	1350-1800	56-83	1400-2075	RBP1R-L	90648
Extra Large	72-96	1800-2400	72-120	1800-3000	RBP1R-XL	90649
Belt Positioner™ with Steel Rollers						
Small	18-24	450-600	24-34	600-850	RBP1S-S	74558
Medium	30-48	750-1200	34-56	850-1400	RBP1S-M	74559
Large	54-72	1350-1800	56-83	1400-2075	RBP1S-L	74560
Extra Large	72-96	1800-2400	72-120	1800-3000	RBP1S-XL	74561

Use next larger size for belt widths between ranges.
Lead time: 1 working day

Replacement Rollers		
Description	Ordering Number	Item Code
Small Rubber Roller	RBPRR-S	90650
Medium Rubber Roller	RBPRR-M	90651
Large Rubber Roller	RBPRR-L	90652
Extra Large Rubber Roller	RBPRR-XL	90653
Small Steel Roller	RBPSR-S	74562
Medium Steel Roller	RBPSR-M	74563
Large Steel Roller	RBPSR-L	74564
Extra Large Steel Roller	RBPSR-XL	74565
Roller Retainer Kit *	RBPRET	73163

Lead time: 1 working day

*Roller Retainer Kit not required for XL rollers (SDX style).

RMC1 Skirting System

Low-Cost Solution for Loading Point Spillage

RMC1 Skirt Clamps provide the cost-effective solution to material spillage problems in your conveyor loading zones. A good material containment system at the loading point reduces conveyor problems and saves cleanup costs. It stops material loss, eliminates safety hazards and reduces wear and premature failure of conveyor components.

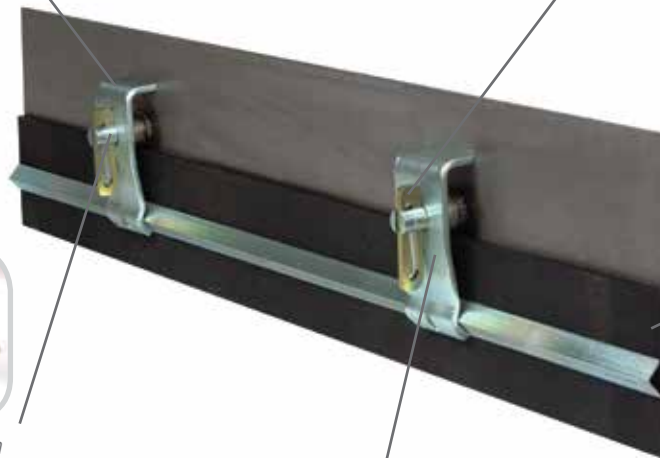


Optional limited space skirt clamps available

Quick adjustment by using the locking wedges on the clamp pins



Anti-vibration pin ensures pin remains locked



Rubber thickness can vary from 5/16" to 3/4" (8-19mm)

No hassle installation with few parts and complete step-by-step instructions



Bolt-On PAL PAK available when welding is not an option

Features and Benefits

- **No belt damage.** With correct installation, the skirt rubber will not drag on the belt, causing premature wear or gouge marks in the belt cover. Such damage reduces belt cleaning efficiency and the life of the belt.
- **Safe service access.** All installation and maintenance work can be done safely from the sides of the conveyor. Climbing into the chute to work on nuts and bolts is not required.
- **Long service life.** Flex-Seal Skirting Systems are made of corrosion-protected components for tough duty. Replacement parts are available.

RMC1 Skirting System

Ordering Information

RMC1 Skirt Clamps*		
Description	Ordering Number	Item Code
Skirt Clamp	RMC1	75817
LS Skirt Clamp	RMC1-LS	75834

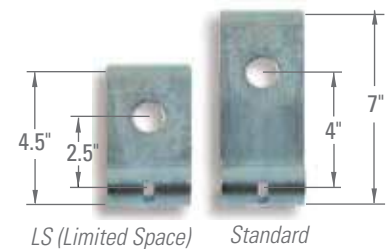
* Includes two clamp plates (Standard or LS- Limited Space) two clamp pins, and one 4' (1.2M) clamp bar.
Skirt board and rubber not included.
Skirt Rubber Thickness Ranges: 5/16" to 3/4" (8mm to 19mm).

*RMC1 Skirt Clamp
(Standard)*



PAL PAKs per System Length					
Skirting System Length	1' - 4' (0.3 - 1.2M)	5' - 8' (1.5 - 2.4M)	9' - 12' (2.8 - 3.8M)	13' - 16' (4.0 - 4.9M)	17' - 20' (5.2 - 6.1M)
PAL PAKs Needed	1	2	3	4	5

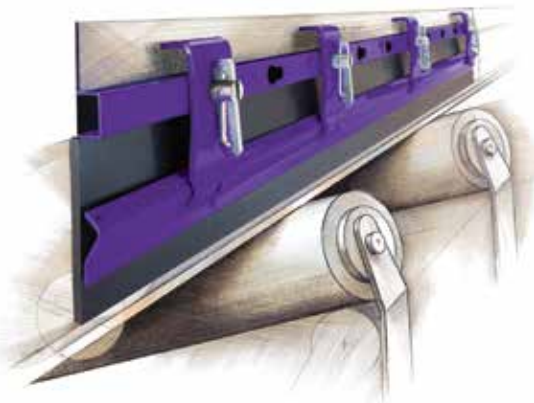
PAL-PAKs		
Description	Ordering Number	Item Code
PAL PAK	RMC1-PP	75832
LS PAL PAK	RMC1-LSPP	75836
Bolt-On PAL PAK	RMC1-BPP	76415
Bolt-On LS PAL PAK	RMC1-LSBPP	76538



Additional Information

Check out our other Skirting Systems, like Flex-Lok or Flex-Seal.

Flex-Lok



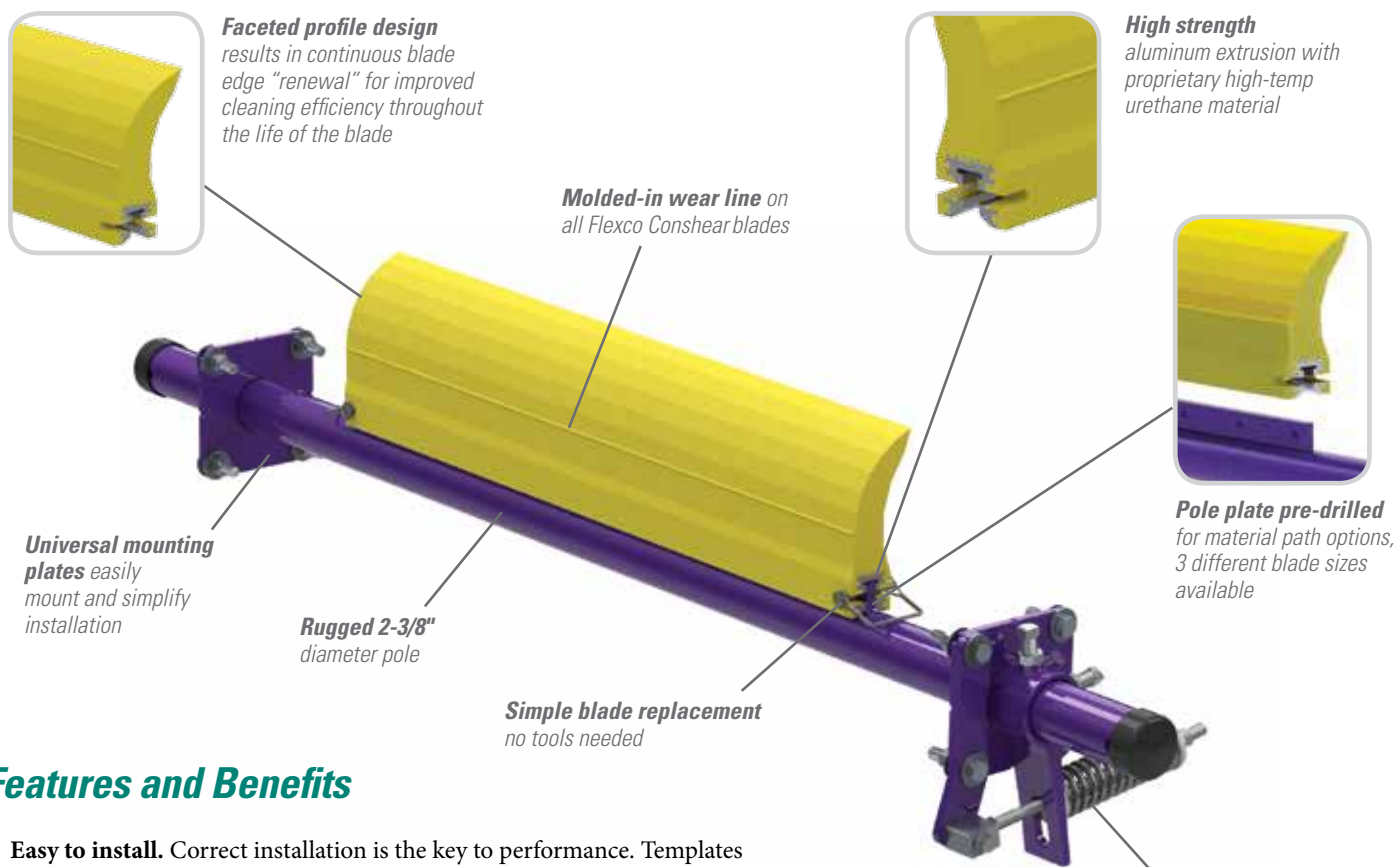
Flex-Seal



EZP1 High Temperature ConShear™ Precleaner

Simple, Quick, Effective

Now there is a new urethane-blade precleaner that outperforms other “hot” blades. The High Temp ConShear™ Blade is designed for continuous ambient temperatures up to 275°F (135°C) and spikes to 325°F (163°C). This bright yellow blade takes the heat and yet provides the extended wear life of Flexco’s standard ConShear blade. More wear life means fewer blade change-outs. And a visual check tensioner makes maintenance easy. A quick measurement of the tensioner spring lets you know if the blade is at optimal tension. If retensioning is needed, simply turn the adjusting nut to restore optimal cleaning tension. Comes standard with a blade length of belt width minus 2" (50mm).



Features and Benefits

- **Easy to install.** Correct installation is the key to performance. Templates and step-by-step instructions are included.
- **Patented facet-profile blade design.** The blade forms a renewed cleaning edge once wear reaches each new faceted blade section.
- **Material Path Option.** Select the blade width for the material path of your belt. This means better cleaning efficiency and less blade retensioning.
- **Works with Flexco® mechanical belt splices.** The spring tensioner moves the blade away from the belt when the splice passes, without damage and with minimal cleaning disruption.
- **Works on reversing belts.**

EZP1

High Temperature ConShear™ Precleaner

Specifications and Guidelines

Maximum Belt Speed

700 FPM (3.5 M/sec)

Temperature Rating

-30°F to 275°F (-35°C to 135°C)

Minimum Pulley Diameter

10" (250 mm)

Blade Height

7-1/4" (185 mm)

Usable Blade
Wear Length

4" (100 mm)

Blade Material

Urethane 93 durometer
(proprietary blend for
abrasion resistance
and long wear)

Available for Belt Widths

12" - 72" (300 mm to 1800 mm)

Horizontal Clearance Required

4" (100 mm)

Vertical Clearance Required

9-1/2" (238 mm)

CEMA Cleaner Rating

Class 3

Pole Length

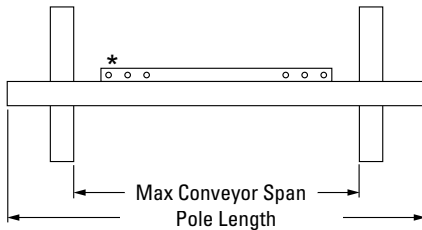
Cleaner size up to 42" (1050mm) + 30" (750mm)

Cleaner size 48" (1200mm) and up + 34" (850mm)

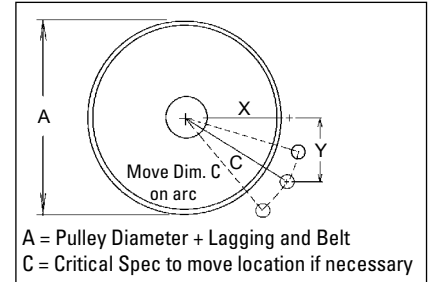
Maximum Conveyor Span

Cleaner size up to 42" (1050mm) + 25" (625mm)

Cleaner size 48" (1200mm) and up + 29" (725mm)



* Each pole size can be used with a blade size either belt width minus 2" (50mm), belt width minus 8" (200mm) or belt width minus 14" (350mm)

Pole Location Specs

Pole Location Chart

A	X	Y	C
10"	3"	9"	9 1/2"
11"	3 3/4"	9"	9 3/4"
12"	4 3/8"	9"	10"
13"	5 3/8"	9"	10 1/2"
14"	5 7/8"	9"	10 3/4"
15"	6 3/4"	9"	11 1/4"
16"	7 1/8"	9"	11 1/2"
17"	7 7/8"	9"	12"
18"	8 1/4"	9"	12 1/4"
19"	9"	9"	12 3/4"
20"	9 3/8"	9"	13"
21"	10"	9"	13 1/2"
22"	10 3/4"	9"	14"
23"	11 3/8"	9"	14 1/2"
24"	12"	9"	15"
25"	12 5/8"	9"	15 1/2"
26"	13 1/4"	9"	16"
27"	13 7/8"	9"	16 1/2"
28"	14 3/8"	9"	17"
29"	15"	9"	17 1/2"
30"	15 5/8"	9"	18"
31"	16 1/8"	9"	18 1/2"
32"	16 3/4"	9"	19"
33"	17 1/4"	9"	19 1/2"
34"	17 7/8"	9"	20"
35"	18 3/8"	9"	20 1/2"
36"	19"	9"	21"

Ordering Information

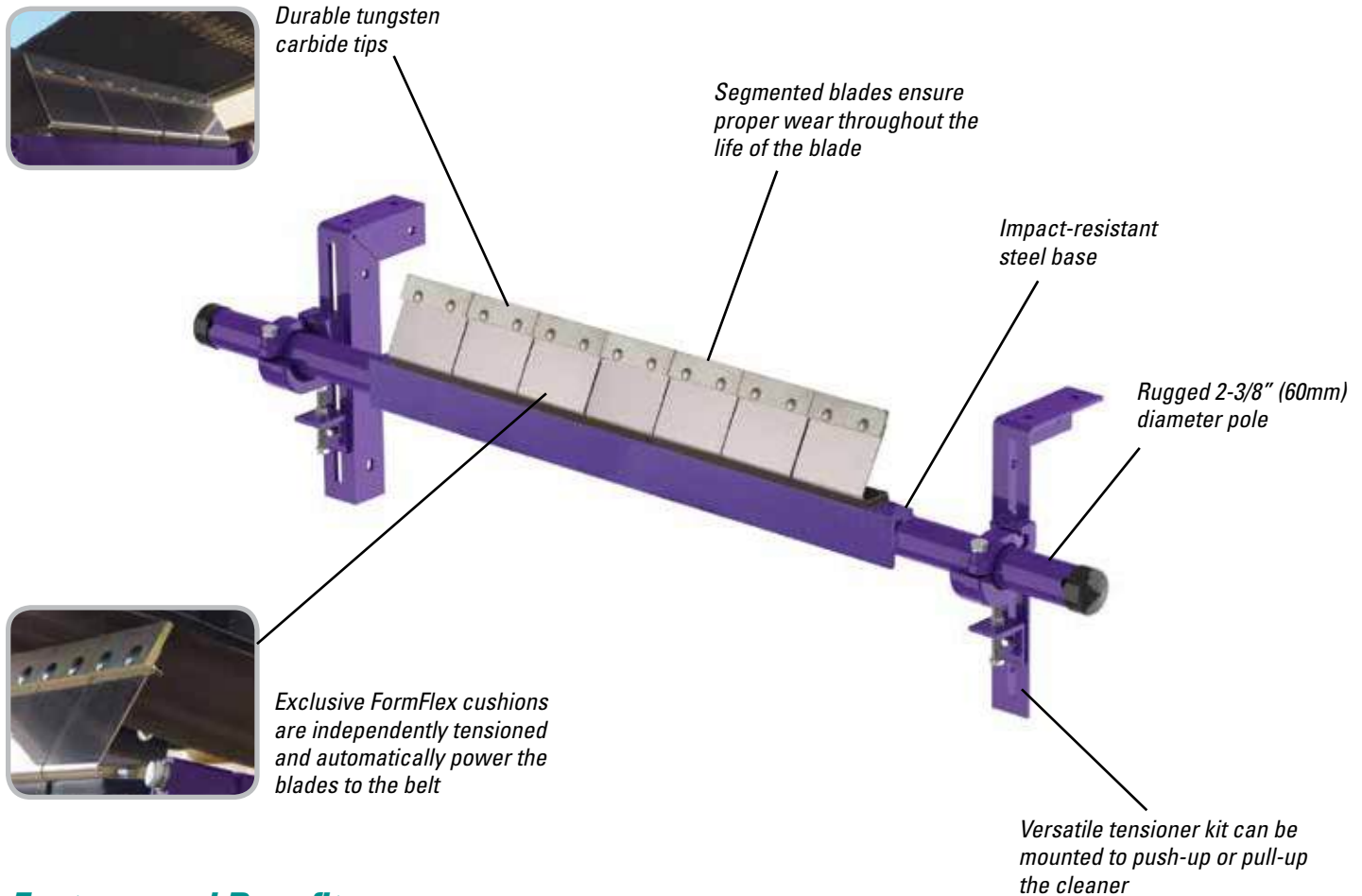
High Temp ConShear™ Precleaner					
Belt Width		Blade Width		Ordering Number	Item Code
in.	mm	in.	mm		
12	300	10	250	HTF212	76658
18	450	16	400	HTF218	76659
24	600	22	550	HTF224	76660
30	750	28	700	HTF230	76661
36	900	34	850	HTF236	76662
42	1050	40	1000	HTF242	76663
48	1200	46	1150	HTF248	76664
54	1350	52	1300	HTF254	76665
60	1500	58	1450	HTF260	76666
72	1800	70	1750	HTF272	76667

ConShear Replacement Blades			
Blade Width		Ordering Number	Item Code
in.	mm		
10	250	CRB-HT10	76593
16	400	CRB-HT16	76594
22	550	CRB-HT22	76595
28	700	CRB-HT28	76596
34	850	CRB-HT34	76597
40	1000	CRB-HT40	76598
46	1150	CRB-HT46	76599
52	1300	CRB-HT52	76600
58	1450	CRB-HT58	76601
64	1600	CRB-HT64	76602
70	1750	CRB-HT70	76603

EZS2 Rockline® Secondary Cleaner

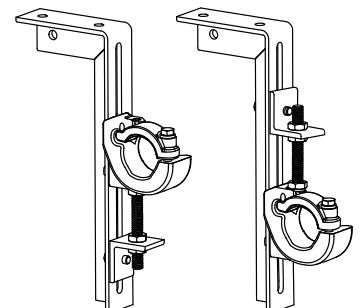
The Economical, Efficient Belt Cleaning Solution

The EZS2 Secondary Belt Cleaner improves belt cleaning efficiency and reduces routine maintenance tasks. And it does all of this at an affordable price. Add easy, do-it-yourself installation and it makes an unbeatable solution for your conveyor belt cleaning needs.



Features and Benefits

- **Cleaning efficiency of metal blades.** The thin, hard edges of the metal blades deliver high cleaning efficiency and long wear life.
- **Works with Flexco mechanical splices.** The tungsten carbide-tipped blades are impact-resistant, and the spring cushion allows them to move away from a passing splice without damage and with minimal cleaning disruption.
- **A complete cleaning system.** When the EZS2 is teamed with the EZP1 Precleaner, the system provides maximum cleaning power for tough applications.
- **Fits most conveyor structures.** Available for belt widths from 18" to 72" (450 mm to 1800 mm).



EZS2

Rockline® Secondary Cleaner

Specifications and Guidelines

Maximum Belt Speed

700 FPM (3.5 M/sec)

Temperature Rating

-30° F to 200° F (-35° C to 93° C)

Usable Blade Wear Length

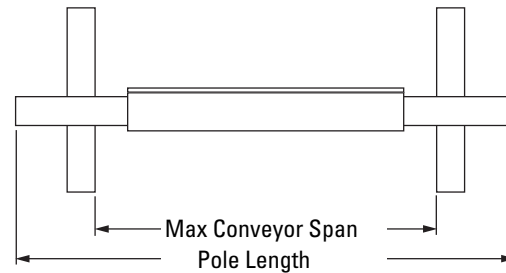
3/8" (9 mm)

Available for Belt Widths

18" to 72" (450 to 1800 mm)

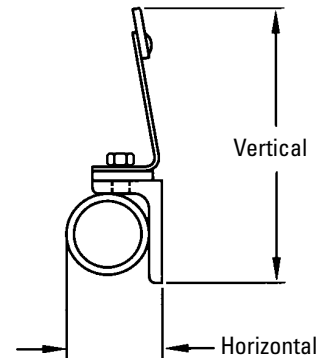
CEMA Cleaner Rating:

Class 3



Pole Length
Blade width + 34"
(850 mm)

Maximum Conveyor Span
Blade width + 29"
(725 mm)



Horizontal Clearance Required
4" (100 mm)

Vertical Clearance Required
8-1/2" – 9-1/2"
(213 – 238 mm)

Ordering Information

EZS2 Secondary			
Belt Width		Ordering Number	Item Code
in.	mm		
18	450	EZS2-18	75643
24	600	EZS2-24	75644
30	750	EZS2-30	75645
36	900	EZS2-36	75646
42	1050	EZS2-42	75647
48	1200	EZS2-48	75648
54	1350	EZS2-54	75649
60	1500	EZS2-60	75650
72	1800	EZS2-72	75651

Replacement C-Tips	
Ordering Number	Item Code
ICT6	74535

Tips Required Per Cleaner Size										
in.	18	24	30	36	42	48	54	60	72	
mm	450	600	750	900	1050	1200	1350	1500	1800	
C-Tips Required	3	4	5	6	7	8	9	10	12	

Additional Information

For high temperature applications up to 400° F (204° C), see the High Temp EZS2 Sell Sheet (X2502).

