

Fastener Systems for Heavy-Duty Applications



Welcome to Flexco

Companies from coal mines to distribution centers turn to Flexco for belt conveyor fasteners and maintenance solutions that help maximize uptime, productivity, and safety. We offer the most comprehensive selection of quality products in the industry. And we back customers with product and application support second to no one.



The support you need, when and where you need it

Flexco products are available through a select network of qualified belting and industrial supply distributors. This worldwide distributor network means we can back our customers with product and application support from locations around the globe.

From fastener selection and installation to troubleshooting, our distributors are equipped and trained to respond to both your day-to-day and emergency needs. Rely on Flexco and Flexco distributors for a broad range of belt conveyor maintenance solutions and unsurpassed product support.

www.flexco.com

For up-to-the-minute information on products, applications, and distributors – as well as late-breaking news and product bulletins – visit our Web site.

You'll find links to:

- *Products*
- *Specification Guidelines*
- *On-line Catalog*
- *Technical Support*
- *Application Stories*
- *Frequently Asked Questions (FAQs)*
- *Product Literature*
- *Global Sales & Distribution Facilities*



You'll also find helpful links to industry trade show sites.

Mechanical Fastener Solutions from Flexco

The most respected name in belt conveyor solutions is Flexco. And for a simple reason. Flexco products set the industry's highest standards for design, ease of installation and reliability. Plus, knowledgeable advice and proven solutions help our customers keep conveyor efficiency high and operation costs low.

Flexco fastener systems for heavy-duty applications



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SR™ Rivet Hinged Fastener System
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Belt Conveyor Products
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(Positioners, Belt Plows
& Skirt Clamps)



Bolt Hinged Fastener System
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Belt Maintenance Products
Pages 23-24

How to specify the right Flexco fastener

1. Determine belt tension.

Most conveyor belting has a mechanical fastener rating. Care should be taken not to operate the belting or fasteners beyond their recommended ratings.

2. Measure belt thickness.

If fasteners are to be countersunk, measure the belt thickness after a portion of the belt cover has been removed. Choose a fastener size which corresponds to belt thickness.

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

For tail or take-up of the self-cleaning "wing" type pulley, 25% larger diameter dimensions are generally required. Only consider pulleys over which the belt makes at least a 90° wrap.

4. Choose the fastener size that is appropriate for your specifications.

Consult individual Flexco application catalogs to guide your selection.

5. Hinged or solid plate?

When either style is appropriate, solid plate styles are preferred for longer life and to prevent sifting. Hinged fasteners are preferred on portable conveyors and on conveyors with smaller pulley diameters.



Fastener metals

Steel: For most applications, plated steel helps combat mild corrosion.

RustAlloy®: Resists corrosion due to mine water exposure or other chemical attack.

Stainless Steel: Type 316 stainless steel for resistance to abrasion, magnetic attraction, and corrosion.

Everdur: Spark-free copper and silicon alloy for use in grain elevators and other potentially explosive environments.

MegAlloy®: Superior resistance to wear and abrasion. Provides several times the service life of steel.

Promal: Heat-treated, malleable castings for superior abrasion resistance in corrosive environments.

Flexco® Bolt Solid Plate Fastener System

Flexco® Bolt Solid Plate fasteners are engineered to meet the demands of the toughest material-handling applications. They can be applied to belts mechanically rated up to 105 kN/m (620 P.I.W.), and are commonly used for highly abrasive materials such as sand, gravel, and crushed stone, as well as coal, cement, and salt.



Superior strength

Bolt Solid Plate fasteners provide a strong, sift-free splice with superior holding ability. The strength of this fastener is derived from the compression of the plates mounted above and below the belts, with high tensile strength bolts. The 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 the carcass fibers.

No. 3, our largest, for belts 24 mm (15/16") thick or more.



Easy installation

No. 1, our smallest, for belts from 5 mm (3/16") to 11 mm (7/16") thick.

Specially designed templets, punches and boring tools make it easy to quickly and accurately punch holes into belts. Fasteners can then be installed on site using portable hand or power tools.

The exclusive Flexco piloted bolt speeds installation. The piloted bolt tip cradles nuts securely in place, and simplifies installation by automatically aligning the bolt and nut threads.



New Quick-Fit™ Pre-Assemblies for Fast Installation



Twin mounting bolts, built into each bottom plate, simplify handling and positioning beneath the belt for faster installation. Additional features include:

- *Piloted bolt tips for easier nut placement*
- *Deeper leading-edge coining for improved cleaner and diverter compatibility*
- *Sharper gripping teeth for superior belt cover penetration*

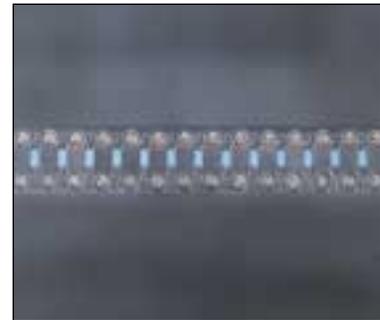


Flexco® Bolt Solid Plate Fastener Selection Guide

Fastener Size	Belt Thickness Range		For Belts with Mechanical Fastener Ratings Up To:		Recommended Minimum Pulley Diameter <i>(Operating Tension 75% - 100% of Belt Rating)</i>	
	mm	in.	kN/m	P.I.W.	mm	in.
1	5-11	3/16-7/16	30	150	300	12
140	5-11	3/16-7/16	40	225	350	14
190	8-14	5/16-9/16	60	330	450	18
1-1/2	11-17	7/16-11/16	50	300	450	18
2	14-21	9/16-13/16	75	440	750	30
2-1/4	14-30	9/16-1-3/16	105	620	900	36
2-1/2	19-25	3/4-1	75	450	1050	42
3	24 & over	15/16 & over	100	560	1200	48

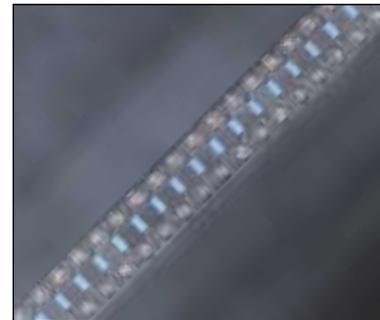
90° splice for standard bulk conveyors

The conventional 90° splice is the most commonly used splice pattern for standard troughing and non-troughing bulk conveyors. It requires the fewest fasteners and is the easiest and quickest to install. Whenever pulley diameters allow, this is the preferred splice pattern.



45° splice for use with smaller pulleys

A 45° splice can be installed in situations where conveyor pulley diameters are as much as 25% smaller than the recommended size for 90° splices. This angled splice distributes tension over a greater belt area. The 45° splice passes more smoothly over pulleys and under cleaners. Cleaner blade life can be extended even more by skiving the 45° splice.



Recessed Bolt Solid Plate

When belt top covers are 4,8 mm (3/16") or more, we recommend countersinking (or recessing) fastener plates. Countersinking permits deeper penetration of fastener teeth into the carcass. This reduces plate exposure and extends splice life. Countersinking also contributes to reduced noise on return idlers. And because countersinking reduces the effective thickness of the belt, smaller fasteners may be used in applications employing smaller pulley diameters.



Flexco® Bolt Solid Plate

Additional Splice Patterns

Rip Repair

Use standard Flexco® Bolt Solid Plate fasteners to repair conveyor belt edge tears and holes.

For jagged lengthwise conveyor belt tears, standard Bolt Solid Plate fasteners can be combined with the three-bolt Rip Plate fasteners. Each is installed alternately, across the entire length of the rip, as displayed in the photo at right.

Three-bolt Rip Plate fasteners can also be used to bridge “soft” spots in the belt before they become rips.

Rip Repair Selection Information

Belt Thickness		Fastener Size
mm	in.	
6-13	1/4-1/2	RP1
10-21	3/8-13/16	RP2
14-30	9/16-1-3/16	2-1/4

Rip Repair Fasteners

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



Three-bolt Rip Plate fasteners are extra-long and should be installed crosswise to the longitudinal rip. Two bolts should be attached to the “flap” side of the belt tear.

Wedlok® High Tension Splice

Wedlok® splices cost substantially less than a vulcanized splice, take considerably less installation time, and can be installed by your own maintenance crews on belts with mechanical fastener ratings up to 123 kN/m (700 P.I.W.).

The Wedlok splice requires standard No. 2 Bolt Solid Plate fasteners, and the Wedlok Kit consisting of a special tip, chevron, and tail fasteners. A set of three Wedlok templets is also required.

Description	Ordering Number
Splice Kit*	2W
Stainless Splice Kit	2WS
Leading End Kit	2WL
Trailing End Kit	2WT
Templet Set	T2W
1800 mm Side Templet	T2WS72

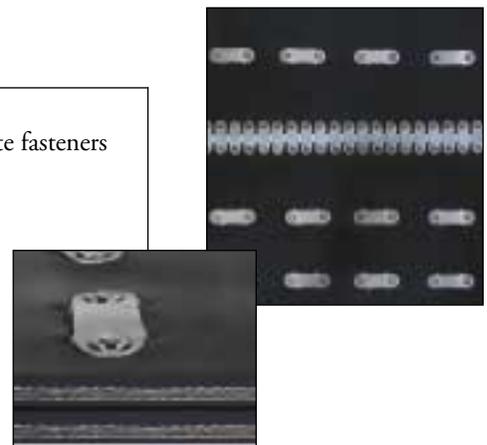
*Stainless Top Plates, Balance Steel.



90° Splice for Bucket Elevator Belts

The standard 90° splice is recommended for most elevator belts. Bolt Solid Plate fasteners provide a smooth underside on the belt, protecting pulley bearings and lagging from the pounding resulting from bolted over-lap splices. The splice delivers tensile strength equal to that of a lap joint. And it can be made in confined spaces. For extremely heavy jobs, 35% greater strength than a lap joint can be obtained by adding a splice pad constructed from all-nylon conveyor belt carcass material.

Refer to page 7 for ordering standard Flexco fasteners.



Selection Charts

Fasteners

One "E" box contains 25 complete fastener sets.
A set consists of a top plate, a bottom plate,
two nuts, two bolts, and an assembly clip.



"E" Box (25 Fastener Sets)

Ordering Number							
Steel	MegAlloy® Top & Bottom Plates, Steel Bolts & Nuts	Stainless – 300 Series	Everdur	Promal Top Plates Balance Steel	MegAlloy® Top Plates Balance Steel	300 Series Stainless Top Plates Balance Steel	3 mm Rubber- Covered Top Plates Balance Steel
1E							
140E	140EMAP	140ES	140EE	140EP	140EMA	140EST	
190E	190EMAP	190ES	190EE		190EMA	190EST	190ERCT
1-1/2E	1-1/2EMAP	1-1/2ES	1-1/2EE	1-1/2EP	1-1/2EMA	1-1/2EST	1-1/2ERCT
2E	2EMAP	2ES	2EE	2EP	2EMA	2EST	2ERCT
2-1/4E	2-1/4EMAP	2-1/4ES	2-1/4EE		2-1/4EMA	2-1/4EST	2-1/4ERCT
2-1/2*							
3*							

*10 Fastener Sets

"C" Bucket

(100 Fastener Sets – Bottom Plates Pre-Assembled)

Ordering Number		
Steel	MegAlloy® Top Plates Balance Steel	MegAlloy® Top & Bottom Plates, Steel Bolts & Nuts
1C		
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*		
3C*		

* Packaged in Cartons

NOTE: Stainless and Everdur fastener sets are also available in "C" buckets.

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



To maximize fastener service life, see page 3 to select the fastener metal for your application.

Extra Piloted Bolts (100 per Box)

For Fastener Number	Ordering Number		
	Steel	Stainless – 300 Series	Everdur
1	20391		
140 & 190	20399	20400	20397
RP1	20398		20397
1-1/2	20402	20407	20409
2 & RP2	20406	20407	20409
2-1/4	20410	20411	20412
2-1/2 & 3	20414		

Extra Nuts (100 per Box)

For Fastener Number	Ordering Number		
	Steel	Stainless – 300 Series	Everdur
1, 140, 190 & RP1	20377	20381	20387
1-1/2, 2 & RP2	20378	20382	20388
2-1/2 & 3	20379		

Flexco® Bolt Solid Plate

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 since they can speed installation time by at least 50%.



Hand Installation Tools

Description	For Fastener Number	Ordering Number
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

Description	For Fastener Number	Ordering Number
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

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



Flexco-Lok® Tape

Flexco-Lok® Tape is a rigid nylon tape that helps eliminate belt ripple on plied or solid-woven belting, so belts run smoothly over pulleys and under cleaners. Also helps seal the splice against seepage of fines and moisture.

Fastener Size	Ordering Number
1 & 140	FL7C
190, 1-1/2 2 & 2-1/4	FL11C

Belt Tape: 30 m (100') per Carton



Flexco® Cracking Chisel

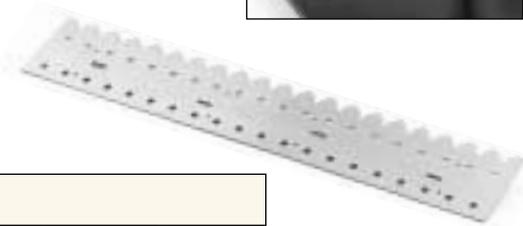
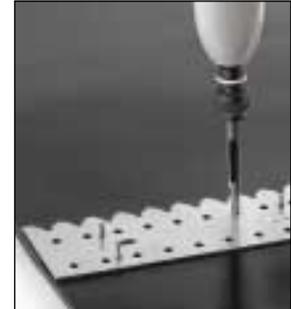
With a hammer and cracking chisel, worn top plates can be easily replaced without resorting to replacement of the entire splice.

Nut Size	Ordering Number
1, 140 & 190	C1C
1-1/2, 2 & 2-1/4	C2C



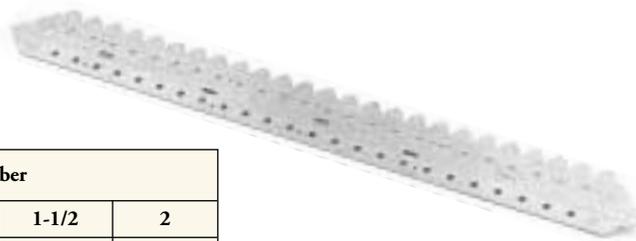
90° and 45° Templates

Templates for Bolt Solid Plate fastener installation are required for 90° or 45° splice applications. Templates simplify installation by providing an accurate guide for precise placement of bolt holes. Lengths for all standard belt widths are available.



90° Templates

Belt Width		Ordering Number							
mm	in.	1	140	190	1-1/2	2	2-1/4	2-1/2	3
300	12	1-12	140-12	190-12	1-1/2-12	2-12			
350	14	1-14	140-14	190-14					
400	16	1-16	140-16	190-16					
450	18	1-18	140-18	190-18	1-1/2-18	2-18			
500	20	1-20	140-20	190-20	1-1/2-20			2-1/2-20	
600	24	1-24	140-24	190-24	1-1/2-24	2-24	2-1/4-24	2-1/2-24	
650	26			190-26					
700	28			190-28					
750	30	1-30	140-30	190-30	1-1/2-30	2-30	2-1/4-30	2-1/2-30	
900	36	1-36	140-36	190-36	1-1/2-36	2-36	2-1/4-36	2-1/2-36	3-36
1050	42	1-42	140-42	190-42	1-1/2-42	2-42	2-1/4-42	2-1/2-42	3-42
1200	48	1-48	140-48	190-48	1-1/2-48	2-48	2-1/4-48	2-1/2-48	3-48
1350	54				1-1/2-54	2-54	2-1/4-54	2-1/2-54	
1500	60				1-1/2-60	2-60	2-1/4-60	2-1/2-60	3-60
1800	72				1-1/2-72	2-72	2-1/4-72	2-1/2-72	3-72



45° Templates

Belt Width		Ordering Number				
mm	in.	1	140	190	1-1/2	2
300	12	1-12-45				
450	18	1-18-45		190-18-45	1-1/2-18-45	
600	24	1-24-45	140-24-45	190-24-45	1-1/2-24-45	2-24-45
750	30	1-30-45	140-30-45	190-30-45	1-1/2-30-45	2-30-45
900	36	1-36-45	140-36-45	190-36-45	1-1/2-36-45	2-36-45
1050	42		140-42-45	190-42-45	1-1/2-42-45	2-42-45
1200	48	1-48-45	140-48-45	190-48-45	1-1/2-48-45	
1500	60		140-60-45	190-60-45	1-1/2-60-45	2-60-45

Flexco® Bolt Hinged Fastener System

For belts operating over smaller pulleys – such as in construction equipment and road machinery – Flexco® Bolt Hinged fasteners are strong, dependable, and easy-to-install.

Designed as a compression fastener, Bolt Hinged is fastened to the belt ends with high tensile strength bolts. These compress the plates in the belt cover. Additional holding capability is provided by the fastener teeth that inbed in the belt without damage to the belt carcass. So splice tension is distributed across the entire plate width and teeth secure the fastener to resist pull-out.



No. 375X

No. 550

Application versatility

Hinged construction makes Bolt Hinged fasteners ideal for many types of machinery that use smaller pulleys but still require a high-strength splice. And for applications requiring frequent belt-length alterations, the joint can be separated simply by removing the hinge pin.



Easy installation

On-site installation requires only portable hand or power tools. A specially designed templet and boring tool or belt punch quickly and accurately punches bolt holes into belts. Installation is also simplified by our exclusive piloted bolt. Tapered bolt tips cradle nuts securely in place and eliminate the need to twist nuts onto bolts by hand during installation set-up.



Flexco® 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)	
	mm	in.	kN/m	P.I.W.	mm	in.
375X	6-11	1/4-13/32	33	190	150	6
550	6-16	1/4-5/8	52	300	225	9

Selection Charts

“J” carton complete fastener joint

Each “J” carton includes one complete belt joint for belt widths ranging from 300 mm (12”) to 1500 mm (60”). Cartons include:

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



375X Fasteners

Belt Width		Ordering Number					
		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 **	NCS Stainless Joint with Nylon Covered Stainless Cable **	NB Everdur Joint with Nylon Covered Bronze Cable ***
mm	in.						
300	12	375XJ12NC					
350	14	375XJ14NC					
400	16	375XJ16NC					
450	18	375XJ18NC	375XJ18NCS			375XSJ18NCS	375XEJ18NB
500	20	375XJ20NC					
600	24	375XJ24NC	375XJ24NCS	375XJ24SC	375XSJ24SSC	375XSJ24NCS	375XEJ24NB
650	26	375XJ26NC					
750	30	375XJ30NC	375XJ30NCS		375XSJ30SSC	375XSJ30NCS	375XEJ30NB
900	36	375XJ36NC	375XJ36NCS	375XJ36SC	375XSJ36SSC	375XSJ36NCS	375XEJ36NB
1050	42	375XJ42NC	375XJ42NCS		375XSJ42SSC	375XSJ42NCS	375XEJ42NB
1200	48	375XJ48NC	375XJ48NCS	375XJ48SC	375XSJ48SSC	375XSJ48NCS	
1500	60	375XJ60NC			375XSJ60SSC		

550 Fasteners

Belt Width		Ordering Number						
		NC Steel Joint with Nylon Covered Steel Cable *	NCS Steel Joint with Nylon Covered Stainless Cable *	SC Steel Joint with Bare Steel Cable *	SSC Steel Joint with Bare Stainless Cable *	NAC Steel Joint with Nylon Covered Armored Cable *	NCS Stainless Joint with Nylon Covered Stainless Cable **	MA MegAlloy® Joint with Bare Stainless Cable ***
mm	in.							
450	18	550J18NC					550SJ18NCS	550MAJ18SSC
500	20	550J20NC						
600	24	550J24NC	550J24NCS	550J24SC	550J24SSC	550J24NAC	550SJ24NCS	550MAJ24SSC
650	26	550J26NC						
750	30	550J30NC	550J30NCS	550J30SC	550J30SSC	550J30NAC	550SJ30NCS	550MAJ30SSC
900	36	550J36NC	550J36NCS	550J36SC	550J36SSC	550J36NAC	550SJ36NCS	550MAJ36SSC
1050	42	550J42NC	550J42NCS	550J42SC	550J42SSC	550J42NAC	550SJ42NCS	550MAJ42SSC
1200	48	550J48NC	550J48NCS	550J48SC	550J48SSC	550J48NAC	550SJ48NCS	550MAJ48SSC
1350	54	550J54NC				550J54NAC		
1500	60	550J60NC					550SJ60NCS	

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

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

*** “J” CARTON – Individual Plates w/Steel Nuts & Bolts

To maximize fastener service life, see page 3 to select the fastener metal for your application.

Flexco® Bolt Hinged

Selection Charts

Bulk fasteners



Bulk cartons include individual fastener plates, piloted bolts and nuts. Choose cartons containing 50 sets of single-bolt fasteners, 25 sets of two-bolt fasteners, or 18 sets of three-bolt fasteners.

Note: When ordering bulk fastener sets, hinge pins and plastic filler tubing must be ordered separately.

Description	Ordering Number	
	Per Set	Per Container
Steel		
Two-Plate Fastener	375X-2STS	375X-2
Three-Plate Fastener	375X-3STS	375X-3
Single-Plate Fastener	550-1STS	550-1
Three-Plate Fastener	550-3STS	550-3
Stainless 300 Series		
Two-Plate Fastener	375XS-2STS	375XS-2
Three-Plate Fastener	375XS-3STS	375XS-3
Single-Plate Fastener	550S-1STS	550S-1
MegAlloy®		
Single-Plate Fastener		550MA-1

With Bolts & Nuts

Extra piloted bolts and nuts



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

Extra Piloted Bolts

For Fastener Number	Ordering Number		
	Steel	Stainless – 300 Series	Everdur
375	20398	20400	20397
550	20399	20400	20397

Extra Nuts

For Fastener Number	Ordering Number		
	Steel	Stainless – 300 Series	Everdur
375X	20380	20381*	20387*
550	20380	20381*	20387*

**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 30 m (100-foot) reel.

Description	Quantity	Ordering Number
375X & 550	30 m (100')/Pkg.	30894



Extra Hinge Pins

Extra Hinge Pins

For 375X and 550

Belt Width		Ordering Number									
		AC (6 mm dia.) Bare Armored Cable		ACS (7 mm dia.) Bare Armored Stainless Cable		NAC (6 mm dia.) Nylon Covered Armored Cable		NC (6 mm dia.) Nylon Covered Steel Cable		NCS (6 mm dia.) Nylon Covered Stainless Cable*	
mm	in.	Each (One Pin)	Package (Ten Pins)	Each (One Pin)	Package (Ten Pins)	Each (One Pin)	Package (Ten Pins)	Each (One Pin)	Package (Ten Pins)	Each (One Pin)	Package (Ten Pins)
300	12							NC-12-1	NC-12		NCS-12
350	14							NC-14-1	NC-14		NCS-14
400	16							NC-16-1	NC-16		NCS-16
450	18	AC-18-1	AC-18			NAC-18-1	NAC-18	NC-18-1	NC-18		NCS-18
500	20							NC-20-1	NC-20		NCS-20
600	24	AC-24-1	AC-24			NAC-24-1	NAC-24	NC-24-1	NC-24	NCS-24-1	NCS-24
650	26	AC-26-1	AC-26			NAC-26-1	NAC-26		NC-26		
750	30	AC-30-1	AC-30	ACS-30-1	ACS-30	NAC-30-1	NAC-30	NC-30-1	NC-30	NCS-30-1	NCS-30
900	36	AC-36-1	AC-36	ACS-36-1	ACS-36	NAC-36-1	NAC-36	NC-36-1	NC-36	NCS-36-1	NCS-36
1050	42	AC-42-1	AC-42	ACS-42-1	ACS-42	NAC-42-1	NAC-42	NC-42-1	NC-42	NCS-42-1	NCS-42
1200	48	AC-48-1	AC-48	ACS-48-1	ACS-48	NAC-48-1	NAC-48	NC-48-1	NC-48	NCS-48-1	NCS-48
1350	54	AC-54-1		ACS-54-1	ACS-54	NAC-54-1	NAC-54	NC-54-1	NC-54	NCS-54-1	NCS-54
1500	60	AC-60-1		ACS-60-1	ACS-60	NAC-60-1	NAC-60	NC-60-1	NC-60	NCS-60-1	NCS-60
1800	72	AC-72-1				NAC-72-1	NAC-72	NC-72-1	NC-72	NCS-72-1	NCS-72

* 300 Series

Hinge pin material selection

AC – Bare Armored Cable: Heavy-duty, long-wearing pin popular in underground mining applications. Armor wrapping protects interior wires.

ACS – Bare Armored Stainless Steel Cable: The same advantages as bare armored cable plus corrosion resistance.

NAC – Nylon Covered Armored Cable: Combines a durable armored steel wrap with a nylon covering for smooth operation and long service life. Nylon covering prevents pin migration. Not recommended in wet, abrasive applications.

NC – Nylon Covered Steel Cable: Nylon covering prevents pin migration. Not recommended in wet, abrasive applications.

NCS – Nylon Covered Stainless Steel Cable: For greater corrosion resistance. Not recommended in wet, abrasive applications.

SC – Bare Steel Cable: Recommended for abrasive or gritty material conveyance.

SSC – Bare 300 Series Stainless Steel Cable: For conditions where corrosion attacks steel pins.

NB – Nylon Covered Bronze Cable: Fully non-magnetic hinge pin.

Extra Hinge Pins

For 375X and 550

Belt Width		Ordering Number					
		SC (6 mm dia.) Bare Steel Cable		SSC (6 mm dia.) Bare Stainless Cable*		NB (6 mm dia.) Nylon Covered Bronze Cable	
mm	in.	Each (One Pin)	Package (Ten Pins)	Each (One Pin)	Package (Ten Pins)	Each (One Pin)	Package (Ten Pins)
450	18					NB-18-1	
600	24	SC-24-1	SC-24	SSC-24-1	SSC-24	NB-24-1	
650	26		SC-26				
750	30	SC-30-1	SC-30	SSC-30-1	SSC-30	NB-30-1	
900	36	SC-36-1	SC-36	SSC-36-1	SSC-36	NB-36-1	
1050	42	SC-42-1	SC-42	SSC-42-1	SSC-42	NB-42-1	
1200	48	SC-48-1	SC-48	SSC-48-1	SSC-48		

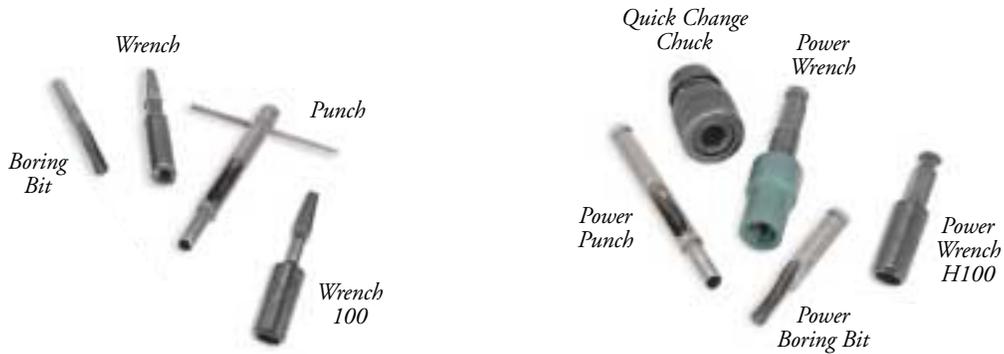
* 300 Series



Flexco® Bolt Hinged

Installation Tools and Supplies

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



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.

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.

Bolt Breaker

Description	For Fastener Number	Ordering Number
Bolt Breaker (Two Per Package)	375X & 550	110



Flexco® Cracking Chisel

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

Nut Size	Ordering Number
1, 140 & 190	C1C
1-1/2, 2 & 2-1/4	C2C



Curved Templets

The curved templet is required to ensure accurate placement of punched or drilled holes. Exclusive concave cut made with Flexco® Bolt Hinged templets provides uniform tension across full belt end and reduces the potential for splice edge failure. Templets are available in all standard belt widths.

Belt Width		Ordering Number	
mm	in.	375X	550
300	12	375X-12	512
350	14	375X-14	
400	16	375X-16	516
450	18	375X-18	518
500	20	375X-20	520
600	24	375X-24	524
650	26	375X-26	526
750	30	375X-30	530
900	36	375X-36	536
1050	42	375X-42	542
1200	48	375X-48	548
1350	54	375X-54	554
1500	60	375X-60	560
1800	72	375X-72	572

NOTE: All templets up to and including 1800 mm (72") are curved. For belt widths over 1800 mm (72"), straight templet supplied.



Alligator® 400 Series Curved Belt Cutter

For even tension distribution across the entire width of the belt, belt cuts must be made in a concave shape. The Alligator® Curved Belt Cutter is used to cut belts for Flexco Hinged Fasteners and makes it easy to cut the precise curve necessary to equalize belt tension.

Description	Belt Width		Ordering Number
	mm	in.	
Cutter Complete	750	30	400430
	900	36	400436
	1050	42	400442
	1200	48	400448
	1500	60	400460

NOTE: Belt widths over 1800 mm (72") require straight cutters.



Flexco® SR™ Scalloped Edge™ Fastener System

Lower fastener profile extends splice life and improves performance

The Flexco® SR™ Scalloped Edge™ fastener features a low profile that significantly reduces the fastener's exposure to cleaner blades, skirt rubber, and return idlers. Reduced wear and tear on the fastener extends the life of the splice to maximize belt availability and to help keep productivity on a roll.

Designed for rubber plied and PVC solid woven belting, and for worn belts unfit for vulcanized splices, the Flexco SR fastener features a patented Scalloped Edge design. The scalloped design contributes to improved fastener profile resulting in increased compatibility with belt cleaners and improved cleaner-tip wear. The staggered rivet pattern also provides maximum holding ability by allowing the rivets to pass between the carcass fibers without damaging them.

A built-in viewport (see photo at right) simplifies fastener positioning. And self-setting rivets are installed from the top side of the belt for faster installation.



Scalloped Edge



Viewport

- Lower fastener profile extends belt splice life.
- Less effort required for installation.
- Reduces maintenance costs.
- Viewport assures proper installation alignment.

How Flexco® SR™ Scalloped Edge™ Fasteners Work



R2



R5

The SR™ (Self-Setting Rivet) Fastener utilizes staggered pattern, multiple rivet attachments that pass between carcass fibers without severing them. The specially shaped head of each pilot nail works in conjunction with the installation tool anvil plate to set the rivets. The same hammer blows that set the rivets also compress the fastener plates into the belt covers. This provides maximum holding ability and distributes splice tension evenly across the width of the belt.

Flexco® SR™ Scalloped Edge™ 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)	
	mm	in.	kN/m	P.I.W.	mm	in.
R2	3-10	1/8-3/8	60	330	125	5
R5	6-11	7/32-7/16	79	450	230	9
R5-1/2	8-15	5/16-19/32	114	650	300	12
R6	10,5-17	13/32-11/16	140	800	450	18
RAR6LP	8-18	5/16-23/32	140	800	450	18
RAR8	10,5-17	13/32-11/16	263	1500	450	18



R2

Unique two teeth/two rivet combination offers highest efficiencies in strength and durability for medium-duty applications.

R5

Ideal for applications such as wood processing or construction equipment with smaller pulleys as well as for underground mining.

R5-1/2

Midsized R5-1/2 is ideal as an upgrade for R5 or in applications where pulley size prohibits the use of R6.

R6

Can be used in certain applications up to 210 kN/m (1200 P.I.W.) with R6 RustAlloy® and stainless steel rivets. Contact Flexco Marketing/Engineering department for details.

RAR6LP

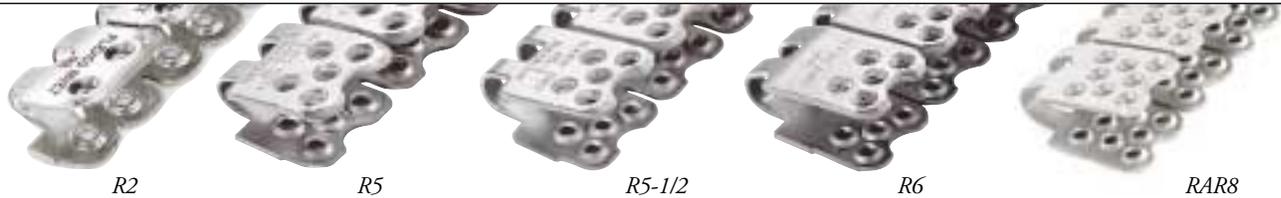
Features lower fastener profile for improved compatibility with cleaner blades, skirt rubber and return idlers.

RAR8

Eight-rivet pattern designed for use on mainline and panel belts with mechanical fastener ratings up to 263 kN/m (1500 P.I.W.). For questions regarding RAR8 and your application, contact the Flexco Marketing or Engineering department.

Flexco® SR™ Scalloped Edge™

Selection Charts



Use the charts below to match the Flexco® SR™ Scalloped Edge™ fasteners to your needs. Find the fastener metal type required for your application. Then choose the ordering number that corresponds to your belt's width.

Flexco® R2 (Two fastener strips per package)

Belt Width		Ordering Number		Rivets Required For One Joint
		Steel	Stainless 300 Series	
mm	in.			
300	12	R2-12/300	R2S-12/300	24
450	18	R2-18/450	R2S-18/450	40
600	24	R2-24/600	R2S-24/600	52
750	30	R2-30/750	R2S-30/750	64
900	36	R2-36/900	R2S-36/900	80
1050	42	R2-42/1050	R2S-42/1050	92
1200	48	R2-48/1200	R2S-48/1200	108
1350	54	R2-54/1350	R2S-54/1350	120
1500	60	R2-60/1500	R2S-60/1500	136

Flexco® Scalloped Edge™ R5 (Two fastener strips per package)

Belt Width		Ordering Number			Rivets Required For One Joint
		Steel	Stainless 300 Series	RustAlloy® 400 Series SS	
mm	in.				
450	18	R5-SE-18/450	R5S-SE-18/450		100
600	24	R5-SE-24/600	R5S-SE-24/600	RAR5-SE-24/600	130
650	26	R5-SE-26/650		RAR5-SE-26/650	140
750	30	R5-SE-30/750	R5S-SE-30/750	RAR5-SE-30/750	160
900	36	R5-SE-36/900	R5S-SE-36/900	RAR5-SE-36/900	200
1050	42	R5-SE-42/1050	R5S-SE-42/1050	RAR5-SE-42/1050	230
1200	48	R5-SE-48/1200	R5S-SE-48/1200	RAR5-SE-48/1200	270
1350	54	R5-SE-54/1350		RAR5-SE-54/1350	300
1500	60	R5-SE-60/1500	R5S-SE-60/1500	RAR5-SE-60/1500	340
1800	72	R5-SE-72/1800			410

Flexco® Scalloped Edge™ R5-1/2

(Two fastener strips per package)

Belt Width		Ordering Number		Rivets Required For One Joint
		Steel	RustAlloy® 400 Series SS	
mm	in.			
450	18	R5-1/2-SE-18/450		100
600	24	R5-1/2-SE-24/600	RAR5-1/2-SE-24/600	130
750	30	R5-1/2-SE-30/750	RAR5-1/2-SE-30/750	160
900	36	R5-1/2-SE-36/900	RAR5-1/2-SE-36/900	200
1050	42	R5-1/2-SE-42/1050	RAR5-1/2-SE-42/1050	230
1150	46		RAR5-1/2-SE-46/1150	260
1200	48	R5-1/2-SE-48/1200	RAR5-1/2-SE-48/1200	270
1350	54	R5-1/2-SE-54/1350	RAR5-1/2-SE-54/1350	300
1500	60	R5-1/2-SE-60/1500	RAR5-1/2-SE-60/1500	340
1800	72	R5-1/2-SE-72/1800	RAR5-1/2-SE-72/1800	410

Flexco® Scalloped Edge™ R6 and RAR6LP Low Profile

(Two fastener strips per package)

Belt Width		Ordering Number			Rivets Required For One Joint
		Steel	RustAlloy® 400 Series SS	RustAlloy® Low Profile 400 Series SS	
mm	in.				
600	24	R6-SE-24/600			130
750	30	R6-SE-30/750			160
900	36	R6-SE-36/900			200
1050	42	R6-SE-42/1050	RAR6-SE-42/1050	RAR6LP-SE-42/1050	230
1150	46	R6-SE-46/1150	RAR6-SE-46/1150	RAR6LP-SE-46/1150	260
1200	48	R6-SE-48/1200	RAR6-SE-48/1200	RAR6LP-SE-48/1200	270
1350	54	R6-SE-54/1350	RAR6-SE-54/1350	RAR6LP-SE-54/1350	300
1500	60	R6-SE-60/1500	RAR6-SE-60/1500	RAR6LP-SE-60/1500	340
1800	72	R6-SE-72/1800	RAR6-SE-72/1800	RAR6LP-SE-72/1800	410
2130	84	R6-SE-84/2130	RAR6-SE-84/2130	RAR6LP-SE-84/2130	480

Flexco® Scalloped Edge™ RAR8

(Two fastener strips per package)

Belt Width		Ordering Number
		RustAlloy® 400 Series SS
mm	in.	
1200	48	RAR8-SE-48/1200
1350	54	RAR8-SE-54/1350
1500	60	RAR8-SE-60/1500
1800	72	RAR8-SE-72/1800
2130	84	RAR8-SE-84/2130

Flexco® R5 MegAlloy®

R5 MegAlloy fasteners are supplied as 4 plate strips and are packaged 10 strips per box. Enough fasteners to splice a 900 mm (36") belt.

Ordering Number

R5MA-SE

To maximize fastener service life, see page 3 to select the fastener metal for your application.



Rivet Selection Charts

Rivets

Rivets are available in either steel or stainless steel. Rivets are packaged 250 rivets per box. SRAA, SRA, SRB, and SRC rivets are also available in 100-count packages. Bulk packs of 2,000 rivets are also available in reusable plastic buckets.



Rivet Selection Chart

Fastener Size	Belt Thickness Range		Rivet Size
	mm	in.	
R2	3-6	1/8-7/32	SRAA
	4-8	3/16-5/16	SRA
	7-10	9/32-3/8	SRB
R5	6-8	7/32-5/16	SRA
	7-10	9/32-3/8	SRB
	9-11	11/32-7/16	SRC
	10,5-11	13/32-7/16	SRC/D
R5-1/2 & RAR6LP	8-9	5/16-11/32	SRB
	8-10,5	5/16-13/32	SRC
	10-12	3/8-15/32	SRC/D
	11-13,5	7/16-17/32	SRD
	13-15	1/2-19/32	SRE
	14-16,5	9/16-21/32	SRF*
R6	16-18	5/8-23/32	SRG*
	9-11	11/32-7/16	SRC/D
	10,5-13	13/32-1/2	SRD
	12-14	15/32-9/16	SRE
	13,5-16	17/32-5/8	SRF
RAR8	15-17	19/32-11/16	SRG
	10,5-11	13/32-7/16	SRC/D
	10,5-13	13/32-1/2	SRD
	12-14	15/32-9/16	SRE
	13,5-16	17/32-5/8	SRF
	15-17	19/32-11/16	SRG

* Applies to RAR6LP only.

Rivets

Self-Setting, Pre-Assembled
With Pilot Nails

Ordering Number	
Steel	Stainless Type 430
Box (100 Rivets)	
SRAA-100	
SRA-100	
SRB-100	
SRC-100	
Box (250 Rivets)	
SRAA	SRAA-S
SRA	SRA-S
SRB	SRB-S
SRC	SRC-S
SRC/D	SRC/D-S
SRD	SRD-S
SRE	SRE-S
SRF	SRF-S
SRG	SRG-S
Bucket (2000 Rivets)	
SRA-2M	SRA-S-2M
SRB-2M	SRB-S-2M
SRC-2M	SRC-S-2M
SRC/D-2M	SRC/D-S-2M
SRD-2M	SRD-S-2M
SRE-2M	SRE-S-2M
SRF-2M	SRF-S-2M
SRG-2M	SRG-S-2M

Flexco® SR™ Scalloped Edge™

Hinge Pin Selection Charts

A wide selection makes it easy to match pins to the needs of the application. Selection ranges from bare steel cable to nylon-covered armored cable. Use the brief descriptions and the chart below to identify which hinge pins are available for each fastener type.

Hinge pin material selection

AC – Bare Armored Cable: Heavy-duty, long-wearing pin popular in underground mining applications. Armor wrapping protects interior wires.

ACS – Bare Armored Stainless Steel Cable: The same advantages as bare armored cable plus corrosion resistance.

NAC – Nylon Covered Armored Cable: Combines a durable armored steel wrap with a nylon covering for smooth operation and long service life. Nylon covering prevents pin migration. Not recommended in wet, abrasive applications.

NC – Nylon Covered Steel Cable: Nylon covering prevents pin migration. Not recommended in wet, abrasive applications. For R2 and R5 only.

NCS – Nylon Covered Stainless Steel Cable: For greater corrosion resistance. Not recommended in wet, abrasive applications. For R2 and R5 only.

SC – Bare Steel Cable: Recommended for abrasive or gritty material conveyance.

SSC – Bare 300 Series Stainless Steel Cable: For conditions where corrosion attacks steel pins. For R2 and R5 only.



For R2 and R5

Belt Width		Ordering Number									
		AC (6 mm dia.) Bare Armored Cable		ACS (7 mm dia.) Bare Armored Stainless Cable		NAC (6 mm dia.) Nylon Covered Armored Cable		NC (6 mm dia.) Nylon Covered Steel Cable		NCS (6 mm dia.) Nylon Covered Stainless Cable*	
mm	in.	Each (One Pin)	Package (Ten Pins)	Each (One Pin)	Package (Ten Pins)	Each (One Pin)	Package (Ten Pins)	Each (One Pin)	Package (Ten Pins)	Each (One Pin)	Package (Ten Pins)
300	12							NC-12-1			
350	14							NC-14-1			
400	16							NC-16-1			
450	18	AC-18-1	AC-18			NAC-18-1	NAC-18	NC-18-1	NC-18		
500	20							NC-20-1			
600	24	AC-24-1	AC-24			NAC-24-1	NAC-24	NC-24-1	NC-24	NCS-24-1	NCS-24
650	26	AC-26-1	AC-26			NAC-26-1	NAC-26		NC-26		
750	30	AC-30-1	AC-30	ACS-30-1	ACS-30	NAC-30-1	NAC-30	NC-30-1	NC-30	NCS-30-1	NCS-30
900	36	AC-36-1	AC-36	ACS-36-1	ACS-36	NAC-36-1	NAC-36	NC-36-1	NC-36	NCS-36-1	NCS-36
1050	42	AC-42-1	AC-42	ACS-42-1	ACS-42	NAC-42-1	NAC-42	NC-42-1	NC-42	NCS-42-1	NCS-42
1200	48	AC-48-1	AC-48	ACS-48-1	ACS-48	NAC-48-1	NAC-48	NC-48-1	NC-48	NCS-48-1	NCS-48
1350	54	AC-54-1		ACS-54-1	ACS-54	NAC-54-1		NC-54-1	NC-54	NCS-54-1	NCS-54
1500	60	AC-60-1		ACS-60-1	ACS-60	NAC-60-1		NC-60-1	NC-60	NCS-60-1	NCS-60
1800	72	AC-72-1		ACS-72-1	ACS-72	NAC-72-1		NC-72-1	NC-72	NCS-72-1	

* 300 Series

Hinge Pin Selection Charts Continued

For R2 and R5

Belt Width		Ordering Number			
		SC (6 mm dia.) Bare Steel Cable		SSC (6 mm dia.) Bare Stainless Cable*	
mm	in.	Each (One Pin)	Package (Ten Pins)	Each (One Pin)	Package (Ten Pins)
450	18		SC-18		SSC-18
600	24	SC-24-1	SC-24	SSC-24-1	SSC-24
750	30	SC-30-1	SC-30	SSC-30-1	SSC-30
900	36	SC-36-1	SC-36	SSC-36-1	SSC-36
950	38				
1000	40				
1050	42	SC-42-1	SC-42	SSC-42-1	SSC-42
1100	44				
1150	46				
1200	48	SC-48-1	SC-48	SSC-48-1	SSC-48
1350	54	SC-54-1	SC-54	SSC-54-1	SSC-54
1500	60	SC-60-1	SC-60	SSC-60-1	SSC-60
1800	72	SC-72-1		SSC-72-1	

* 300 Series

For R5

Belt Width		Ordering Number			
		SC932 (7 mm dia.) Bare Steel Cable		SSC932 (7 mm dia.) Bare Stainless Cable*	
mm	in.	Each (One Pin)	Package (Ten Pins)	Each (One Pin)	Package (Ten Pins)
450	18	SC932-18-1		SSC932-18-1	
600	24	SC932-24-1		SSC932-24-1	
750	30	SC932-30-1	SC932-30	SSC932-30-1	SSC932-30
900	36	SC932-36-1	SC932-36	SSC932-36-1	SSC932-36
950	38	SC932-38-1	SC932-38	SSC932-38-1	SSC932-38
1000	40	SC932-40-1	SC932-40	SSC932-40-1	SSC932-40
1050	42	SC932-42-1	SC932-42	SSC932-42-1	SSC932-42
1100	44	SC932-44-1	SC932-44	SSC932-44-1	SSC932-44
1150	46	SC932-46-1	SC932-46	SSC932-46-1	SSC932-46
1200	48	SC932-48-1	SC932-48	SSC932-48-1	SSC932-48
1350	54	SC932-54-1	SC932-54	SSC932-54-1	SSC932-54
1500	60	SC932-60-1	SC932-60	SSC932-60-1	SSC932-60
1800	72	SC932-72-1		SSC932-72-1	

* 300 Series

For R5-1/2, R6, RAR6LP

Belt Width		Ordering Number			
		AC6 (10 mm dia.) Bare Armored Steel Cable		SC6 (9 mm dia.) Bare Steel Cable	
mm	in.	Each (One Pin)	Package (Ten Pins)	Each (One Pin)	Package (Ten Pins)
600	24	AC6-24-1	AC6-24		
750	30	AC6-30-1	AC6-30		
900	36	AC6-36-1	AC6-36		SC6-36
950	38	AC6-38-1	AC6-38	SC6-38-1	SC6-38
1000	40	AC6-40-1	AC6-40	SC6-40-1	SC6-40
1050	42	AC6-42-1	AC6-42	SC6-42-1	SC6-42
1100	44	AC6-44-1	AC6-44	SC6-44-1	SC6-44
1150	46			SC6-46-1	SC6-46
1200	48	AC6-48-1	AC6-48	SC6-48-1	SC6-48
1300	52				
1350	54	AC6-54-1	AC6-54	SC6-54-1	SC6-54
1500	60	AC6-60-1	AC6-60	SC6-60-1	SC6-60
1800	72	AC6-72-1	AC6-72	SC6-72-1	SC6-72
2130	84		AC6-84	SC6-84-1	SC6-84

For R5-1/2, R6, RAR6LP, RAR8 For R6, RAR6LP

Belt Width		Ordering Number		Ordering Number	
		ACS6 (10 mm dia.) Bare Armored Stainless Cable*		NAC6 (10 mm dia.) Nylon Covered Armored Cable	
mm	in.	Each (One Pin)	Package (Ten Pins)	Each (One Pin)	Package (Ten Pins)
				NAC6-24-1	NAC6-24
				NAC6-30-1	NAC6-30
		ACS6-36/900-1	ACS6-36/900	NAC6-36-1	NAC6-36
				NAC6-38-1	NAC6-38
		ACS6-40-1	ACS6-40	NAC6-40-1	NAC6-40
		ACS6-42-1	ACS6-42	NAC6-42-1	NAC6-42
				NAC6-44-1	NAC6-44
		ACS6-46-1	ACS6-46	NAC6-46-1	NAC6-46
		ACS6-48-1	ACS6-48	NAC6-48-1	NAC6-48
		ACS6-52-1	ACS6-52	NAC6-52-1	NAC6-52
		ACS6-54-1	ACS6-54	NAC6-54-1	NAC6-54
		ACS6-60-1	ACS6-60	NAC6-60-1	NAC6-60
		ACS6-72-1	ACS6-72	NAC6-72-1	NAC6-72
		ACS6-84-1	ACS6-84	NAC6-84-1	NAC6-84

* 300 Series

Flexco® SR™ Scalloped Edge™ Installation Tools

MSRT & MSRT8 Multiple Rivet Driving Tools

Simplifies multiple rivet driving by holding belt, fastener strip, and SR700 guide blocks (included) securely in place. Drives five rivets simultaneously and installs four fastener plates before reloading. Includes two SR700 guide blocks, two SR759 drive rods, canvas bag, lubricant and two 1,8 kgs. (4 lb.) hammers.

MSRT8 Applicator Complete

(Installs R6, RAR6 & RAR8 fasteners only)

Belt Width		Ordering Number
mm	in.	
1200	48	MSRT8-48
1500	60	MSRT8-60
1800	72	MSRT8-72
2130	84	MSRT8-84

MSRT Applicator Complete

(Installs R5, R5-1/2, R6, & RAR6 fasteners only)

Belt Width		Ordering Number
mm	in.	
750	30	MSRT-30
900	36	MSRT-36
1050	42	MSRT-42
1200	48	MSRT-48
1500	60	MSRT-60
1800	72	MSRT-72
2130	84	MSRT-84



MSRT in use

SRTA Single Rivet Driving Tool

Used for single rivet driving, the SRTA tool holds and positions the rivet to ensure safer rivet driving. Includes anvil plate surface and SR-50 driver. Order the SRTA according to belt width.

Belt Width		Ordering Number
mm	in.	
750	30	SRTA-30
900	36	SRTA-36
1050	42	SRTA-42
1200	48	SRTA-48
1500	60	SRTA-60
1800	72	SRTA-72
2130	84	SRTA-84



R2T Tool

Lightweight and portable, the R2T installs up to 300 mm (12") of R2 fasteners in one pass. Use with standard SR™ self-setting rivets and 0,9 kgs. (2 lb.) hammer. (MSRT or SRTA tools can also be used for R2 installation by using the R5 setting.)

Tool Size		Ordering Number
mm	in.	
300	12	R2T



Power Driver

Fast and easy installation of Flexco® rivet fasteners. Requires 4,1-5,8 bars (60-85 psig) air source with a recommended setting of 5,1 bars (75 psig) that delivers a minimum of 8 SCFM. Air source must be connected by no more than 6 m (20') of hose and fittings.

Ordering Number
FPD1



Belt Maintenance Products

Far-Pul® HD® Belt Clamps

Easy-to-use, lightweight belt clamp, specially engineered for heavy-duty applications. Load capacity to 2,7 metric tons (3 imperial tons) when used with two 1-1/2 ton come-alongs. Securely grips belts up to 25 mm (1") thick, and scissors slide easily into place to adjust to a variety of belt widths. Provides even tensioning across entire belt width. Extruded aluminum construction resists corrosion and seizing in wet environments.

Belt Width		Ordering Number
mm	in.	
Up to 750	Up to 30"	LSHD30
Up to 900	Up to 36"	LSHD36
Up to 1050	Up to 42"	LSHD42
Up to 1200	Up to 48"	LSHD48
Up to 1350	Up to 54"	LSHD54
Up to 1500	Up to 60"	LSHD60
Up to 1800	Up to 72"	LSHD72

Complete set includes four clamp bars, and four clamp scissors with carry bag. Come-alongs not included.



840 Series Belt Cutter

Lightweight, easy-to-use cutter for belts up to 2100 mm (84") wide. Grips belts securely and features shielded, chain-driven, double-edged safety blade for rubber or PVC belting up to 25 mm (1") thick.

Belt Widths Up To:		Ordering Number
mm	in.	
900	36	840836
1200	48	840848
1500	60	840860
1800	72	840872
2100	84	840884



Alligator® 300 Series Belt Cutter

For belts of any width up to 28 mm (1-1/8") thick, the Alligator® 300 Series belt cutter delivers clean, straight cuts quickly and safely. The double-edged blade cuts in either direction. An extra-long blade can also be special ordered for belts up to 39 mm (1-9/16") thick.

Belt Width		Ordering Number
mm	in.	
300	12	300312
450	18	300318
600	24	300324
750	30	300330
900	36	300336
1050	42	300342
1200	48	300348
1500	60	300360



Belt Maintenance Products

Flexco® Belt Grips

Pulls belts up to 16 mm (5/8") thick without damaging belt surface. Sold in pairs.

Ordering Number

22



FSK™ Belt Skiver

Portable, lightweight skiver adjusts easily to various cutting depths. Use on rubber-covered belts with top covers of 4,5 mm (3/16") or more. Depths from 1,5 mm (1/16") to 10 mm (3/8") in a single pass – deeper with multiple passes. Cutting depth gauged from bottom of belt surface for use on most worn belt surfaces.

Ordering Number

FSK-1



Flexco® Belt Groover

For “nesting” splice leading edges at or below the belt surface to reduce splice profile. Can also be used to cut a series of grooves to countersink entire splice.

Ordering Number

FBG16



Card Cutter

Heavy-duty utility knife with easy-grip handle.

Ordering Number

GC-1



Flexco® Silicone Lubricant

Reduces friction on metal tools and rubber or fabric belt surfaces to simplify cutting or punching. Non-flammable. Does not contain fluorocarbons.

Ordering Number

SL5-1



Persuader™ Conveyor Belt Positioner™

The Persuader™ Conveyor Belt Positioner™ is a dependable, field-proven solution for the lost production time and repair costs associated with off-center loading and belt mistracking.

The simple, easy-to-install solution for belt mistracking

The Persuader features an innovative design: rollers make smooth contact with the return belt's bottom cover, centering it into the correct path and holding it there. This centering action at the critical loading point solves many top-side tracking problems. In fact, most top-side tracking problems can be solved with a single Persuader at the tail pulley.



Persuader™

Heavy-Duty XL Persuader™ for wider, higher-tension belts

For thicker, higher-tension steel-cable belts, and belts between 1800 mm (72") and 2400 mm (96") wide, choose the Heavy-Duty XL Persuader™. It combines the design and performance advantages of the Persuader, with CEMA E rollers and bearings.



Heavy-Duty XL Persuader™

Persuader™ Conveyor Belt Positioner™*

Description	Belt Width (Min–Max)		Persuader Width (Min–Max)		Ordering Number
	mm	in.	mm	in.	
Small	450-600	18-24	600-850	24-34	CBP-S
Medium	750-1200	30-48	850-1400	34-56	CBP-M
Large	1350-1800	54-72	1400-2075	56-83	CBP-L
Extra Large	1800-2400	72-96	1800-3000	72-120	CBP-X

*Persuader comes standard with Exalon rollers.

Use next larger size for belt widths between ranges.

NOTE: Idler Rollers on Sizes S, M and L are 125 mm (5") diameter and rated CEMA D. Idler Rollers on the XL Size are 150 mm (6") diameter and rated CEMA E.

Persuader™ Conveyor Belt Positioner™ With Steel Rollers

Description	Belt Width (Min–Max)		Persuader Width (Min–Max)		Ordering Number
	mm	in.	mm	in.	
Small	450-600	18-24	600-850	24-34	PSR-S
Medium	750-1200	30-48	850-1400	34-56	PSR-M
Large	1350-1800	54-72	1400-2075	56-83	PSR-L
Extra Large	1800-2400	72-96	1800-3000	72-120	PSR-X

Use next larger size for belt widths between ranges.

NOTE: Idler Rollers on Sizes S, M and L are 125 mm (5") diameter and rated CEMA D. Idler Rollers on the XL Size are 150 mm (6") diameter and rated CEMA E.

Deflector™ Belt Plows



Specially designed belt cleaners for the tail pulley, Deflector™ Belt Plows feature an exclusive, innovative blade design. The blade's 20° leading edge "spirals" debris off the inside of the belt. Compare this to ordinary flat-blade plows and homemade devices that often just let debris roll under the blade.

Deflector™ V-Plow

- Self-adjusting unit eliminates the need to readjust to accommodate blade wear.
- Turnbuckle permits precise adjustment so the plow can be fine-tuned to the belt at installation and eliminate unit vibration.
- Can also be positioned directly behind the head pulley to dump debris right at the transfer point.

Description	Belt Width (Min–Max)		Ordering Number
	mm	in.	
Extra Small	450-600	18-24	CBV-XS
Small	750-900	30-36	CBV-S
Medium	1050-1200	42-48	CBV-M
Large	1350-1500	54-60	CBV-L
1800 mm	1800	72	CBV-72
2100 mm	2100	84	CBV-84
2400 mm	2400	96	CBV-96

Use next larger size for belt widths between ranges.



Deflector™ Diagonal Plow

- Installed on a 45° angle across the belt to discharge debris to one side of the belt.
- Blade is installed in a fixed position, eliminating bouncing problems associated with some floating-style plows.

Description	Belt Width (Min–Max)		Ordering Number
	mm	in.	
Small	450-750	18-30	CBD-S
Medium	900-1050	36-42	CBD-M
Large	1200-1500	48-60	CBD-L
X-Large	1800-2100	72-84	CBD-XL

Use next larger size for belt widths between ranges.



Deflector™ Heavy-Duty Reversing Diagonal Plow

- Twin-bladed plow designed to clean belt in both directions of travel.
- Discharges material to either side of the belt.
- Installs securely to conveyor structure and will work on conveyors with severe belt vibration.

Description	Belt Width (Min–Max)		Ordering Number
	mm	in.	
Small	450-750	18-30	CBR-S
Medium	900-1050	36-42	CBR-M
Large	1200-1500	48-60	CBR-L
1800 mm	1800	72	CBR-72
2100 mm	2100	84	CBR-84
2400 mm	2400	96	CBR-96

Use next larger size for belt widths between ranges.



Flex-Lok™ Conveyor Skirt Clamps

Our versatile skirt clamp design makes it easy to eliminate loading-point spillage on any conveyor loading site – even in severe heavy-loading applications.

Flex-Lok™ is ideal on perpendicular or vertical skirt boards. The unique design ensures that, once properly installed, the skirt rubber will not rub on the belt causing premature wear or gouge marks on the belts.



Easy installation and quick adjustment

Flex-Lok utilizes a unique clamp pin and wedge lock assembly, so the assembly can be locked in any position 360° around the pin. The remaining parts interlock, too, allowing one person to reposition or replace skirt rubber. The clamp plates and pins can be placed in various positions along the clamp runners – even in the most restrictive environments.

Flex-Lok comes in standard 1,8 m (6') lengths, and can be easily modified for shorter length requirements.

Flex-Lok™ Skirt Clamp

(One 1,8 meter skirt clamp includes one 1,8 m (6') clamp runner, 4 clamp plates, 4 clamp pins and one 1,8 m (6') restraining bar.)

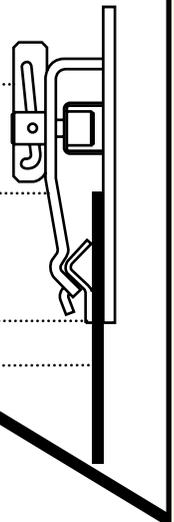
Description	Ordering Number
Skirt Clamp Complete	FLSC-I

The captive wedge in the clamp pin insures that no parts get lost.

Clamp plate secures skirt rubber in proper position to insure no damage is caused to the belt.

Restraining bar is held in place by clamp plates so hands are free to adjust skirt rubber.

New expanded belt thickness range: standard, 8 mm-25 mm (5/16"-1"); mini, 8 mm-16 mm (5/16"-5/8").



Mini Flex-Lok™ for confined space applications

With an overall height of just 135 mm (5-1/2"), the Mini Flex-Lok is the ideal remedy for loading-point spillage in restricted space applications.

Mini Flex-Lok™ Skirt Clamp

(One 1,8 meter mini skirt clamp includes one 1,8 m (6') clamp runner, 3 mini clamp plates, 3 clamp pins and one 1,8 m (6') restraining bar.)

Description	Ordering Number
Mini Skirt Clamp Complete	FLSCM-I





From coal mines to grocery stores, companies that rely on conveyors also rely on Flexco for belt conveyor maintenance solutions that help maximize uptime, productivity, and safety.

We offer the most comprehensive selection of quality products in the industry. And we back customers with product and application support second to no one.

To request a catalog, use the order form found on our Web site at www.flexco.com.

Or contact us at +1-630-971-0150, or via fax at +1-630-971-1180.



Flexible Steel Lacing Company
2525 Wisconsin Avenue
Downers Grove, IL 60515-4200 U.S.A.
Telephone: +1-630-971-0150
Fax: +1-630-971-1180
E-mail: advertising@flexco.com
Visit our Web site at: www.flexco.com

Australia: 61-2-9680-3322 • England: 44-1457-891000 • Germany: 49-7428-9406-0 • Mexico: 52 55 56-74-53-26
New Zealand: 64-9-415-4488 • Republic of South Africa: 27-11-974-2771

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