

FLEXCO® SR™

Rivet Hinged Fastening System

Quality and Performance

The Flexco® SR™ Rivet Hinged Fastening System has earned a reputation for quality and performance in the most demanding material handling applications on earth. Wherever belt conveyors are used, you need a fastener system that lets you set up, splice, and get out of the way ... fast. Flexco SR fasteners deliver the performance, long life, and easy installation that maximise belt availability and help keep productivity on a roll.



Maximum Splice Life, Increased Uptime

Flexco Rivet Hinged Fasteners combine top and bottom fastener plates, which are joined at one end by two wide hinge loops. Each pair of plates sandwich the belt end and are secured to the belt with a staggered pattern of rivets. The rivets penetrate the belt without damaging or weakening the belt carcass providing maximum resistance to pull-out and evenly distributed splice tension across the width of the belt. No matter what the belt condition, Flexco SR fasteners are a good choice for both new and older, worn belts. Rivet hinged fasteners can be used on belts ranging from 3 - 25 mm (1/8" to 1") after skive with pulley diameters over 127 mm (5"). Concerns about comparable vulcanized splice strength can be dismissed as rivet hinged fasteners have a long history of service on belts with mechanical fastener rating of up to 350 kN/m (2000 P.I.W.).

Market Applications

- Coal and Hard Rock
- Underground and Surface Mining
- Wood Processing
- Asphalt Plants
- Construction and Road Equipment

FLEXCO® SR™

Rivet Hinged Fastening System

Fastener Overview

How the Flexco® Rivet Hinged Fastening System Works



Flexco® R2



Flexco® 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.

Lower fastener profile improves performance

The Flexco® SR™ Scalloped Edge™ fastener features a low profile, reducing the fastener's exposure to cleaner blades, skirt rubbers, and return idlers. Reduced wear and tear on the fastener extends the life of the splice to maximise belt availability.

Designed for rubber plied and PVC solid woven belting, as well as for older worn belts unfit for vulcanised 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.

A built-in viewport simplifies fastener positioning. And self-setting rivets are installed from the top side of the belt for faster installation. Plus powered installation options speed installation and reduce worker fatigue.



Scalloped Edge



Viewport

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



Fastener Selection Guidelines

Specify the Right Flexco® Rivet Hinged 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 system.**
Only consider pulleys over which the belt makes at least a 90° wrap. For tail or take-up of the self-cleaning “wing type pulley”, 25% larger diameter dimensions are usually required.
4. **Choose the fastener size that is appropriate for your specifications.**
Consult the selection chart on page 4 to guide your selection.
5. **Select material.**
Refer to the material selection chart on page 4 for the metal characteristics which best suit your application. Not all sizes are available in all metals.
6. **Select installation method.**
Flexco® SR™ fasteners can be hammer applied or a power installation option can be chosen to speed installation time. Refer to pages 12-14.
7. **Select rivets.**
Refer to page 8 to choose the appropriate rivets for your application.
8. **Select hinge pin.**
Refer to page 10 to match the hinge pin to your application.



Measure belt thickness



Measure smallest pulley diameter



Select fastener size



Select installation method



Select rivets

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Fastener Selection Guidelines

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



Flexco® Rivet Hinged Fastener Selection Chart

Fastener Size	For Belts With Mechanical Fastener Ratings Up To:		Belt Thickness Range		Recommended Min. Pulley Diameter			
					Operating Tension Under 100% of Belt Rating		Operating Tension Under 75% of Belt Rating	
	kN/m	P.I.W.	mm	in.	mm	in.	mm	in.
R2	60	330	3-10	1/8-3/8	127	5	127	5
R5	79	450	6-11	7/32-7/16	230	9	175	7
R5-1/2	114	650	8-15	5/16-19/32	300	12	250	10
R6*	140	800*	10.5-17	13/32-11/16	450	18	400	16
R6LP	140	800	8-18	5/16-23/32	450	18	400	16
R8	263	1500	10.5-17	13/32-11/16	450	18	400	16
R9	350	2000	16-25.5	5/8-1	1050	42	1050	42

* 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 or Engineering for details.

Fastener Materials

Steel: Galvanized steel is the standard fastener material for most applications. Galvanization helps combat mild corrosion.

Stainless: 300 Series: Provides extra resistance to abrasion, magnetic attraction, and corrosion from acids and other chemicals.

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

RustAlloy®: Low chrome, stainless steel alloy that resists corrosion due to acidic mine water or other chemical attack.

Fastener Metals

Fastener Material	Abrasion Resistance	Chemical Resistance	Rust Resistance	Magnetic	Spark-Free	Available Sizes
Galvanized Steel	Good	Poor	Fair	Yes	No	R2, R5, R5½, R6
300 Series Stainless Steel	Good	Good to Excellent	Excellent	Yes	No	R2, R5, R9
MegAlloy®	Excellent	Poor	Poor	Yes	No	R2, R5, R5½
RustAlloy®	Good	Good	Good	Yes	No	R5, R5½, R6, R8

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Fasteners

Flexco® R2

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



Flexco® R2				
Belt Width		Ordering Number		Rivets Required for One Joint
mm	in.	Steel	Stainless 300 Series	
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

Two fastener strips per package.

Flexco® R5

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



Flexco® R5 Scalloped Edge (Continuous Strip)					
Belt Width		Ordering Number			Rivets Required for One Joint
mm	in.	Steel	Stainless 300 Series	Rustalloy® 400 Series SS	
450	18	R5-SE-18/450	R5S-SE-18/450		100
600	24	R5-SE-24/600	R5S-SE-24/600	RAR-SE-24/600	130
750	30	R5-SE-30/750	R5S-SE-30/750	RAR-SE-30/750	160
900	36	R5-SE-36/900	R5S-SE-36/900	RAR-SE-36/900	200
1050	42	R5-SE-42/1050	R5S-SE-42/1050	RAR-SE-42/1050	230
1200	48	R5-SE-48/1200	R5S-SE-48/1200	RAR-SE-48/1200	270
1350	54	R5-SE-54/1350		RAR-SE-54/1350	300
1500	60	R5-SE-60/1500	R5S-SE-60/1500	RAR-SE-60/1500	340
1800	72	R5-SE-72/1800			410

Two fastener strips per package.

Flexco® R2, R5 and R5½ MegAlloy®

For superior resistance to wear and abrasion, Flexco® Rivet Hinged Fasteners are available in R2, R5, and R5½ MegAlloy® Fasteners are supplied as 4 plate strips and are packaged 10 strips per box.

Flexco® R2, R5, R5 ½	
Ordering Number	
MegAlloy®	
R2MA-SE	
R5MA-SE	
R5-1/2MA-SE	

Plates Required for MegAlloy®		
Plates Required For One R2MA Joint*		
Belt Width		Plates Required for One Joint
mm	in.	
450	18	20
600	24	26
750	30	32
900	36	40
1050	42	46
1200	48	54
1350	54	60
1500	60	68
Plates Required For One R5MA Joint*		
450	18	20
600	24	26
750	30	32
900	36	40
1050	42	46
1200	48	54
1350	54	60
1500	60	68
1800	72	82
Plates Required For One R5½MA Joint*		
450	18	20
600	24	26
750	30	32
900	36	40
1050	42	46
1200	48	54
1350	54	60
1500	60	68
1800	72	82

*4 Plate Strips. 10 Strips Per Box

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Fasteners

Flexco® R5½

Midsized R5½ is ideal as an upgrade for R5 or in applications where pulley size prohibits the use of R6.

<i>R5½ Scalloped Edge (Continuous Strip)</i>				
Belt Width		Ordering Number		Rivets Required for One Joint
mm	in.	Steel	Rustalloy® 400 Series SS	
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
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

Two fastener strips per package



Flexco® R6 and R6LP Low Profile

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

R6LP features a lower fastener profile for improved compatibility with cleaner blades, skirt rubber, and return idlers.

<i>R6 and R6LP (Continuous Strip)</i>					
Belt Width		Ordering Number			Rivets Required for One Joint
mm	in.	Steel	Rustalloy® 400 Series SS	Rustalloy® Low Profile 400 Series SS	
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
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-72/1800	480

Two fastener strips per package



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Fasteners

Flexco® R8

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 R8 and your application, contact the Flexco Marketing or Engineering department.

<i>R8 Scalloped Edge (Continuous Strip)</i>			
Belt Width		Ordering Number	Rivets Required for One Joint
mm	in.	Rustalloy® 400 Series SS	
1200	48	RAR8-SE-48/1200	432
1350	54	RAR8-SE-54/1350	480
1500	60	RAR8-SE-60/1500	544
1800	72	RAR8-SE-72/1800	656
2130	84	RAR8-SE-84/2130	768

Two fastener strips per package



Flexco® R9

For high-tension or thick belt applications up to 350 kN/m (2000 P.I.W.), R9 has greater reachback, a thicker plate, and an enhanced loop area for larger pin diameters.

<i>R9 Scalloped Edge (Continuous Strip)</i>			
Belt Width		Ordering Number	Rivets Required for One Joint
mm	in.	Stainless 300 Series	
1200	48	R9S-SE-48/1200	432
1350	54	R9S-SE-54/1350	480
1500	60	R9S-SE-60/1500	544
1800	72	R9S-SE-72/1800	656
2130	84	R9S-SE-84/2130	768

Two fastener strips per package



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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		
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
R5½ & R6LP		
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*
16-18	5/8-23/32	SRG*
R6		
9-11	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
R8		
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
R9		
12-14	15/32-9/16	SRE
13.5-16	17/32-5/8	SRF
16-17	19/32-11/16	SRG
16.5-19	21/32-3/4	SRH
18-21	23/32-13/16	SRI
20-22	25/32-7/8	SRJ**
21-24	27/32-15/16	SRK**

* Applies to RAR6LP only.

** Use with 19 mm (3/4") diameter hinge pin.

Rivets	
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
SRH	SRH-S
SRI	SRI-S
SRJ	SRJ-S
SRK	SRK-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
SRH-2M	SRH-S-2M
SRI-2M	SRI-S-2M
SRJ-2M	SRJ-S-2M
SRK-2M	SRK-S-2M

Self-setting, pre-assembled with pilot nails



FLEXCO® SR™

Rivet Hinged Fastening System

Rivets

Rapid Loader™ Collated Rivet Strips

Unique Flexco® Rapid Loader™ collated rivet strips make it easy to load 20 rivets into your multiple guide block at one time and eliminate time consuming handling of individual rivets.

- Supplied in color-coded strips for easy identification of rivet sizes
- Available in steel or stainless steel
- Arrives ready-to-use in convenient buckets

Rapid Loader™ Collated Rivet Strips			
Size	Color Code	Ordering Number	
		R5, R5½, R6	R8, R9
Steel			
A	Red	CSRLA	
B	White	CSRLB	
C	Blue	CSRLC	
C/D	Orange	CSRLC/D	CSRL8C/D
D	Green	CSRLD	CSRL8D
E	Purple	CSRLE	CSRL8E
F	Yellow	CSRLF	CSRL8F
G	Black	CSRLG	CSRL8G
H	Gray		CSRL8H
I	Lt. Blue		CSRL8I
J	Brown		CSRL8J
K	Beige		CSRL8K
Stainless (Type 430)			
A	Red	CSRLA-S	
B	White	CSRLB-S	
C	Blue	CSRLC-S	
C/D	Orange	CSRLC/D-S	CSRL8C/D-S
D	Green	CSRLD-S	CSRL8D-S
E	Purple	CSRLE-S	CSRL8E-S
F	Yellow	CSRLF-S	CSRL8F-S
G	Black	CSRLG-S	CSRL8G-S
H	Gray		CSRL8H-S
I	Lt. Blue		CSRL8I-S
J	Brown		CSRL8J-S
K	Beige		CSRL8K-S

Rapid Loader™ Collated Rivet Strips with Washers

Rapid Loader strips with washers have been designed to be used in combination with steel guide blocks.

- Supplied in color-coded strips for easy identification of rivet sizes
- Available in steel or stainless steel
- Arrives ready-to-use in convenient buckets

Rapid Loader™ Collated Rivet Strips with Washers			
Size	Color Code	Ordering Number	
		R5, R5½, R6	R8, R9
Steel			
A	Red	CSRLA-W	
B	White	CSRLB-W	
C	Blue	CSRLC-W	
C/D	Orange	CSRLC/D-W	CSRL8C/D-W
D	Green	CSRLD-W	CSRL8D-W
E	Purple	CSRLE-W	CSRL8E-W
F	Yellow	CSRLF-W	CSRL8F-W
G	Black	CSRLG-W	CSRL8G-W
H	Gray		CSRL8H-W
I	Lt. Blue		CSRL8I-W
J	Brown		CSRL8J-W
K	Beige		CSRL8K-W
Stainless (Type 430)			
A	Red	CSRLA-S-W	
B	White	CSRLB-S-W	
C	Blue	CSRLC-S-W	
C/D	Orange	CSRLC/D-S-W	CSRL8C/D-S-W
D	Green	CSRLD-S-W	CSRL8D-S-W
E	Purple	CSRLE-S-W	CSRL8E-S-W
F	Yellow	CSRLF-S-W	CSRL8F-S-W
G	Black	CSRLG-S-W	CSRL8G-S-W
H	Gray		CSRL8H-S-W
I	Lt. Blue		CSRL8I-S-W
J	Brown		CSRL8J-S-W
K	Beige		CSRL8K-S-W
L	Teal		CSRL8L-S-W



Rapid Loader™ Collated Rivet Strips



Conveniently packed, easy-to-use



Rapid Loader™ Collated Rivet Strips with washers



Speed Installation Time

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Hinge Pins

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

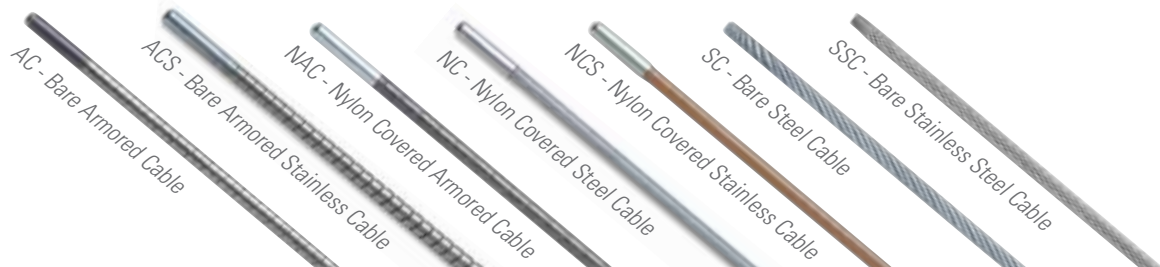
Stainless Steel Cable: For greater corrosion resistance. Not recommended in wet, abrasive applications. For R2 and R5 only.

SC – Bare Steel Cable:

Recommended for abrasive or gritty material conveyance.

SSC – Bare Stainless Steel

Cable: For conditions where corrosion attacks steel pins. For R2 and R5 only.



R2 & R5											
Belt Width		Ordering Number									
		AC Bare Armored Cable 6.4 mm (1/4" Dia.)		*ACS Bare Armored Stainless Cable 6.9 mm (17/64" Dia.)		NAC Nylon Covered Armored Cable 6.4 mm (1/4" Dia.)		NC Nylon Covered Steel Cable 6.4 mm (1/4" Dia.)		*NCS Nylon Covered Stainless Cable 6.4 mm (1/4" Dia.)	
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			
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
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								100 Foot Coils		100 Foot Coils	
								NC-C		NCS-C	

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Hinge Pins

For R2 & R5						For R5					
Belt Width		Ordering Number				Belt Width		Ordering Number			
		SC Bare Steel Cable 6.4 mm (1/4" Dia.)		*SSC Bare Stainless Cable 5.6 mm (7/32" Dia.)				SC932 Bare Steel Cable 7.1 mm (9/32" Dia.)		*SSC932 Bare Stainless Cable 7.1 mm (9/32" Dia.)	
mm	in.	Each (One Pin)	Package (Ten Pins)	Each (One Pin)	Package (Ten Pins)	mm	in.	Each (One Pin)	Package (Ten Pins)	Each (One Pin)	Package (Ten Pins)
450	18		SC-18		SSC-18	450	18	SC932-18-1		SSC932-18-1	
600	24	SC-24-1	SC-24	SSC-24-1	SSC-24	600	24	SC932-24-1		SSC932-24-1	
750	30	SC-30-1	SC-30	SSC-30-1	SSC-30	750	30	SC932-30-1	SC932-30	SSC932-30-1	SSC932-30
900	36	SC-36-1	SC-36	SSC-36-1	SSC-36	900	36	SC932-36-1	SC932-36	SSC932-36-1	SSC932-36
1000	40					1000	40	SC932-40-1	SC932-40	SSC932-40-1	SSC932-40
1050	42	SC-42-1	SC-42	SSC-42-1	SSC-42	1050	42	SC932-42-1	SC932-42	SSC932-42-1	SSC932-42
1150	46					1150	46	SC932-46-1	SC932-46	SSC932-46-1	SSC932-46
1200	48	SC-48-1	SC-48	SSC-48-1	SSC-48	1200	48	SC932-48-1	SC932-48	SSC932-48-1	SSC932-48
1350	54	SC-54-1	SC-54	SSC-54-1	SSC-54	1350	54	SC932-54-1	SC932-54	SSC932-54-1	SSC932-54
1500	60	SC-60-1	SC-60	SSC-60-1	SSC-60	1500	60	SC932-60-1	SC932-60	SSC932-60-1	SSC932-60
1800	72	SC-72-1		SSC-72-1		1800	72	SC932-72-1		SSC932-72-1	

*300 Series

*300 Series

For R5½, R6, R6LP						For R5½, R6, R6LP, R8				For R6, R6LP				For R9			
Belt Width		Ordering Number				Belt Width		Ordering Number		Belt Width		Ordering Number		Belt Width		Ordering Number	
		AC6 Bare Armored Steel Cable 9.7 mm (3/8" Dia.)		SC6 Bare Steel Cable 9.1 mm (23/64" Dia.)				*ACS6 Bare Armored Stainless Cable 9.7 mm (3/8" Dia.)				NAC6 Nylon Covered Armored Cable 10.4 mm (13/32" Dia.)				*NCS Nylon Covered Stainless Cable 16.0 mm (5/8" dia.) 19.1 mm (3/4" dia.)	
mm	in.	Each (One Pin)	Package (Ten Pins)	Each (One Pin)	Package (Ten Pins)	mm	in.	Each (One Pin)	Package (Ten Pins)	mm	in.	Each (One Pin)	Package (Ten Pins)	mm	in.	Each (One Pin)	Each (One Pin)
600	24	AC6-24-1	AC6-24			600	24			600	24	NAC6-24-1	NAC6-24				
750	30	AC6-30-1	AC6-30			750	30			750	30	NAC6-30-1	NAC6-30				
900	36	AC6-36-1	AC6-36		SC6-36	900	36	ACS6-36/900-1	ACS6-36/900	900	36	NAC6-36-1	NAC6-36				
1000	40	AC6-40-1	AC6-40	SC6-40-1	SC6-40	1000	40	ACS6-40-1	ACS6-40	1000	40	NAC6-40-1	NAC6-40				
1050	42	AC6-42-1	AC6-42	SC6-42-1	SC6-42	1050	42	ACS6-42-1	ACS6-42	1050	42	NAC6-42-1	NAC6-42				
1150	46			SC6-46-1	SC6-46	1150	46	ACS6-46-1	ACS6-46	1150	46	NAC6-46-1	NAC6-46				
1200	48	AC6-48-1	AC6-48	SC6-48-1	SC6-48	1200	48	ACS6-48-1	ACS6-48	1200	48	NAC6-48-1	NAC6-48				
1350	54	AC6-54-1	AC6-54	SC6-54-1	SC6-54	1350	54	ACS6-54-1	ACS6-54	1350	54	NAC6-54-1	NAC6-54				
1500	60	AC6-60-1	AC6-60	SC6-60-1	SC6-60	1500	60	ACS6-60-1	ACS6-60	1500	60	NAC6-60-1	NAC6-60				
1800	72	AC6-72-1	AC6-72	SC6-72-1	SC6-72	1800	72	ACS6-72-1	ACS6-72	1800	72	NAC6-72-1	NAC6-72				
2130	84		AC6-84	SC6-84-1	SC6-84	2130	84	ACS6-84-1	ACS6-84	2130	84	NAC6-84-1	NAC6-84				
*300 Series																	

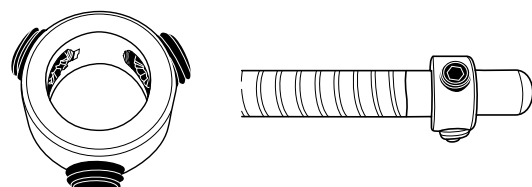
*300 Series

*300 Series

Hinge Pin Retaining Collars

Prevent "pin migration." These utilize knurled point screws and self-locking nylon patches to hold hinge pin in place.

Hinge Pin Retaining Collars	
For Pin Diameter	Ordering Number
7/32-9/32	HPRET1
23/64-13/32	HPRET2



Sift Stop Foam Strip

Creates a sealed joint to prevent sifting. These strips can be used with R5-R8.

Sift Stop Foam Strip	
Size	Ordering Number
12.2 M (40 ft)	XPSS-40



Hand Installation Tools

MSRT Multiple Rivet Driving Tool

Easy-to-use, portable tool that makes multiple rivet driving simple and fast. The MSRT tool holds the belt, fastener strip, and the guide block (included) securely in place. Using the multiple drive rod, up to 8 rivets can be driven simultaneously. Plus, each guide block holds enough rivets to install four fastener plates before reloading.



Aluminum MSRT

Aluminum MSRT

The easy-to-use Aluminum MSRT tool complements our Flexco® SR™ Fastening System with a focus on providing a lightweight, portable application tool. The tool features:

- Fast, accurate positioning of fastener strips
- Riser plate allows for smooth transition of belt in fastener strips
- Robust design on clamp bar with Acme threading provides maximum holding capabilities
- Cambered Clamp Bar and riser plate designed with serrated grips for more secure clamping and operator efficiency

Aluminum Content		
Aluminum Alloy Type	Percent	
	Mg Magnesium	Ti Titanium
5356	5.5	0.2
6005	0.6	0.1
6061	1.0	0.0
7075	2.5	0.0

SRTA Single Rivet Driving Tool

Used for single rivet driving, the SRTA tool includes an anvil plate surface and the SR-50 driver. The SR-50 holds and positions the rivet and helps ensure safe rivet driving. It's also portable, economical, and requires little maintenance.

R2T Tool

The economically priced R2 fastener application tool is lightweight and portable, so it is ideal for quick repairs. The six-pound R2T tool installs up to 300 mm (12") of R2 fasteners in one pass. For wider belts, simply move the tool over. For use with standard SR self-setting rivets and a two-pound hammer.

Steel MSRT		
MSRT Applicator Complete* For installation of R5, R5½, and R6 Fasteners		
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
MSRT8 Applicator Complete* For installation of R6, R6LP, and R8 Fasteners		
1200	48	MSRT8-48
1500	60	MSRT8-60
1800	72	MSRT8-72
2130	84	MSRT8-84
Aluminum MSRT9 Applicator Complete* For installation of R9 Fasteners		
1200	48	MSRT9-48
1500	60	MSRT9-60
1800	72	MSRT9-72
2130	84	MSRT9-84

Aluminum MSRT		
Aluminum MSRT Applicator Complete* For installation of R5, R5½, and R6 Fasteners		
Belt Width		Ordering Number
mm	in.	
750	30	MSRT-30-AL
900	36	MSRT-36-AL
1050	42	MSRT-42-AL
1200	48	MSRT-48-AL
1500	60	MSRT-60-AL
1800	72	MSRT-72-AL
2130	84	MSRT-84-AL
2430	96	MSRT-96-AL
Aluminum MSRT8 Applicator Complete* For installation of R6 and R8 Fasteners		
1200	48	MSRT8-48-AL
1500	60	MSRT8-60-AL
1800	72	MSRT8-72-AL
2130	84	MSRT8-84-AL
2430	96	MSRT8-96-AL

*Includes two Multiple Guide Blocks, two Multiple Drive Rods, two 4 lb. Hammers, Lubricant and one Canvas Carry Bag.

SRTA Applicator Complete		
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

Includes one SR-50 Driver



Single Rivet Driver Tool	
Description	Ordering Number
Driver Tool Complete	SR-50
Drive Rod	SR5-7

R2T Applicator Tool		
Tool Size		Ordering Number
mm	in.	
300	12"	R2T
Replacement Parts		
Gauge Pin Guide		SR26
Anvil Insert (14/Bag)		R2T-AI

Use with SR-50 Single Rivet Driver



FLEXCO® SR™

Rivet Hinged Fastening System

Power Installation Tools

Pneumatic Single Rivet Driver

Faster, more consistent rivet driving for heavy-duty rivet hinged splices. The Pneumatic Single Rivet Driver, along with our Flexco® SR™ fasteners and applicator tools, speeds installation by up to 33%. A single trigger pull per rivet takes the guesswork out of rivet driving to give you a uniform long-lasting splice every time.

- A powerful single trigger pull saves time and reduces worker fatigue
- Single trigger action along with collated rivets with washers and specially designed steel guide blocks assures consistent rivet driving, leading to a longer lasting splice
- A heavy-duty tool built to stand up to tough use
- Works with standard MSRT or MBRTA applicator tools

Ordering Information

Description	Ordering Number	Item Code
Pneumatic Single Rivet Driver*	Pneudrive1	41992
8 Rivet Pattern SR™ Steel Guide Blocks	35RD-GB8-4	41998
5 Rivet Pattern SR™ Steel Guide Blocks	35RD-GB5-4	42000

*Includes one Pneumatic Single Rivet Driver, one Regulator, one Airhose, Instruction Manual, and Safety Glasses.

The Flexco/Hilti DX 460-SR Powder Actuated Installation Method

The portable Hilti DX 460-SR and the Flexco MSRT applicator tool eliminate the need for heavy and cumbersome installation tools. The DX 460-SR is a fully-automatic, .27 caliber powder-actuated fastening tool with power adjustment dial and automatic cartridge advance and piston return has been approved by MSHA for use in underground, gassy coal mines in the USA (MSHA PAD-1/02).

Installation requires only a standard Flexco® MSRT applicator tool, a steel guide block assembly, Rapid Loader™ Collated Rivets with Washers, and the DX 460-SR.

The Hilti DX 460-SR is available from Hilti Mining.



Phone: 1-800-950-6614

Fax: 1-800-950-6610

Consult your local Hilti representative for training on safe and effective use of the Hilti DX 460-SR system.



Consistent, long-lasting splice every time



The Pneumatic Single Rivet Driver is protected by a portable carrying case



FLEXCO

Power Installation Tools

To make installation of mechanical rivet fasteners quicker and easier, Flexco offers portable power tools. They not only reduce worker fatigue, but also ensure the creation of uniform splices, every time.

Electric Powered Rivet Driver

Speed installation of occasional splicing as well as production splicing with a portable Electric Powered Rivet Driver.

- Ergonomically designed and balanced
- Uses standard 110 volt electric
- Comes with custom drive rod for use with standard MSRT installation tools. Speed settings are adjustable for multiple rivet sizes
- Works with standard MSRT guide blocks to ensure proper rivet placement

Electric Powered Rivet Driver

Description	Ordering Number
Standard Kit *	EPRDSSK-1
Straight Shank Replacement Drive Rod	EPRDSS-DR
Step Shank** Replacement Drive Rod	EPRDVS-DR

*Kit includes Driver, two Custom Drive Rods, and Convenient Carrying Case.

**For use with previous model: EPRDVS-1.



Electric Powered Rivet Driver



Electric Powered Rivet Driver Installation

Air Powered Rivet Driver

For fast, safe installation of Flexco® Rivet Hinged Fasteners, use the Air Powered Rivet Driver.

- Small, lightweight tool for easy use
- Comes with custom drive rod for use with standard MSRT applicator tools
- Ergonomic handle for added operator comfort
- Requires a minimum air pressure 90 PSI for operation

Air Powered Rivet Driver

Description	Ordering Number
Air Powered Rivet Driver-Complete*	PTRDK
Replacement Parts	
Air Powered Rivet Driver	PTAH
Retaining Spring	PTRD-RS
Drive Rod with Hold Down Spring and Washer	PTRD-DR

*Includes Air Powered Rivet Driver, Retaining Spring, and Drive Rod with Hold Down Spring and Washer.



Air Powered Rivet Driver



Consistent Splicing

The heavy-duty tool allows for more compression of fastener plates resulting in a smooth and consistent splice that is compatible with conveyor components.



Air Powered Rivet Driver Installation

FLEXCO® SR™

Rivet Hinged Fastening System

Belt Preparation Tools

Flex-Lifter™ Belt Lifter

Lifting a conveyor belt out of the way to do belt repair and maintenance can be a difficult and hazardous job. The Flex-Lifter™ safely lifts and holds tensioned conveyor belts up to the stated ratings.

- Highest safe lift rating available: 1810 kg (4000 lbs) for the Medium and Large models; 2700 kg (6000 lbs) for the XL model
- Eliminates pry bars and manual lifting
- Wide, dual-rail base maintains unit stability
- Optimized lift height provides sufficient room to make repairs safely

Flex-Lifter™	
Description	Ordering Number
Medium Flex-Lifter	FL-M
Large Flex-Lifter	FL-L
XL Flex-Lifter	FL-XL
XL V-Return Lift Bar	FLVRL-XL

Aluminum Content		
Aluminum Alloy Type	Percent	
	Mg Magnesium	Ti Titanium
4043	0.05	0.2
5356	5.5	0.2
6005	0.6	0.1
6061	1.0	0.0
6063	0.7	0.0
7075	2.5	0.0



Flex-Lifter™ Belt Lifter



Far-Pul™ HD® Belt Clamp

Far-Pul™ HD® Belt Clamps

Easy-to-use, lightweight and sturdy belt clamp, specially engineered for heavy-duty applications. With a load capacity up to 2.7 metric tons (3 tons) when used with two 1-1/2 ton come-alongs, it securely grips belts up to 25 mm (1") thick.

- Provides even tensioning across belt width
- Retaining pins ensure scissors remain secured on the bar
- Each set includes four clamp bars and four steel clamp scissors with carry bag

Far-Pul™ HD® Belt Clamps		
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

Aluminum Content		
Aluminum Alloy Type	Percent	
	Mg Magnesium	Ti Titanium
6061	1.0	0.0



Belt Grip

Belt Grip

When the belt grip is slipped over the belt edge at a right angle, belts can be pulled without damaging the belt surface.



Flexco® Belt Groover

Flexco® Belt Groover

Helps extend belt fastener service life by minimizing the effects of scraper and return idler impact on splices.

Flexco® Belt Groover	
Ordering Number	
FBG1	



Silicone Lubricant

Silicone Lubricant

Reduce friction on metal tools and rubber or fabric belt surfaces. Non-flammable. Does not contain fluorocarbons.

Silicone Lubricant	
Ordering Number	
SL5-1	

FLEXCO

FLEXCO® SR™ Rivet Hinged Fastening System



Electric Belt Cutter



900 Series* Belt Cutter



FSK™ Belt Skiver



FSK™ Belt Skiver with metal fence

Belt Preparation Tools

Electric Belt Cutter

The Electric Belt Cutter quickly and easily cuts all types of belting from the softest of natural rubbers to the hardest constructed solid woven PVC and fabric plied belts.

- Designed for cutting all belt widths as well as for extended, longitudinal cuts
- High speed, steel blade provides for a smooth, accurate cut
- Spring loaded blade guard protects operator from cutting edge of blade
- Cordless versions allow maximum portability and convenience

900 Series* Belt Cutter

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

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

FSK™ Belt Skiver

Portable, lightweight skiver adjusts easily and precisely to various cutting depths up to 9.5 mm (3/8"). It's easy to carry and operate around the job site – even in cramped operating environments.

- Ideal for rubber-covered belts with top covers 4.5 mm (3/16") thick or more
- Blade safely enclosed during skiving operations
- Drive Rollers aggressively grip belt for added traction and stability

Ordering Information

Description	Ordering Number	Item Code
Corded Model	EBC1	30001
	EBC2	30002
Cordless Model	CEBC1	30018
	CEBC2	30019

Cutting Capacity

Description	EBC1/CEBC1	
	Metric	Imperial
Rubber Belt	Up to 25 mm	Up to 1"
PVC Belt	Up to 630 EP	Up to 360 P.I.W.
Description	EBC2/CEBC2	
	Metric	Imperial
Rubber Belt	Up to 50 mm	Up to 2"
PVC Belt	Up to 2000 EP	Up to 1140 P.I.W.

* Patent pending

900 Series* Belt Cutter

Description	Belt Width		Ordering Number
	mm	in.	
Cutter Complete for belts up to 38 mm (1.5")	900	36"	900936
	1200	48"	900948
	1500	60"	900960
	1800	72"	900972
	2130	84"	900984
Replacement Blade Kit			900CBK

Aluminum Content

Aluminum Alloy Type	Percent	
	Mg Magnesium	Ti Titanium
5356	5.5	0.2
6005	0.6	0.1
6061	1.0	0.0
7075	2.5	0.0

FSK™ Belt Skiver

Description	Ordering Number
Skiver Complete with Plastic Fence	FSK2
Skiver Complete with Metal Fence	FSK2M

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