

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 maximize belt availability and help keep productivity on a roll.

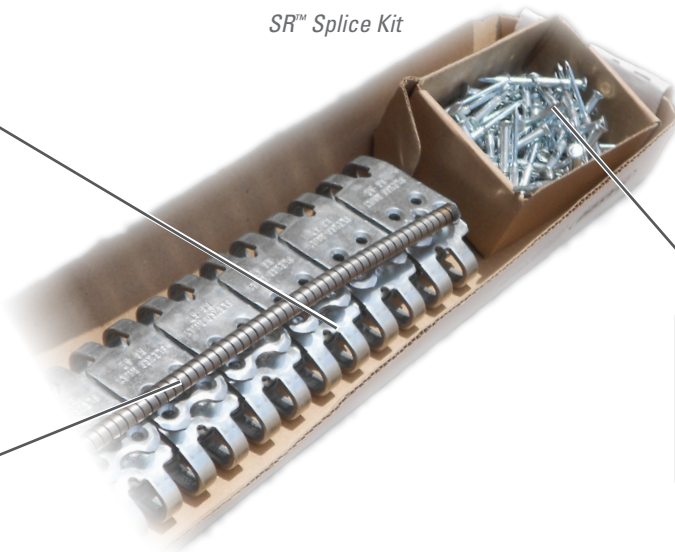


Fastener



Hinge Pin

SR™ Splice Kit



Rivet

- Fasteners, rivets, and hinge pins can be sold separately
- A single convenient kit is also available

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.).

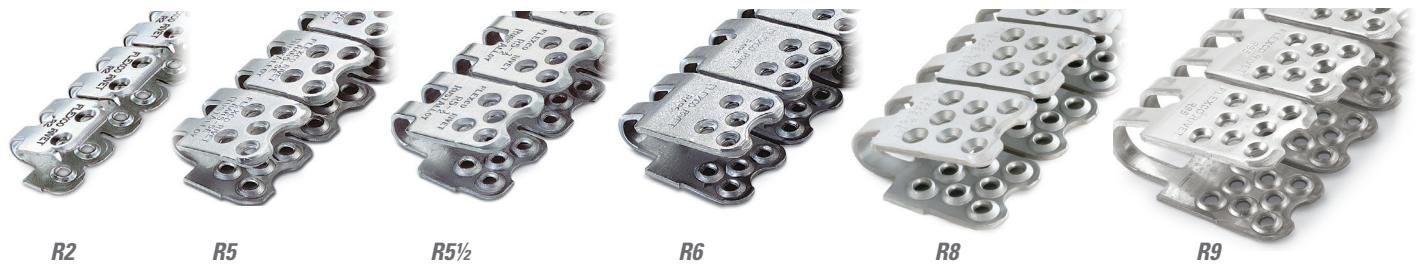


FLEXCO® SR™

Rivet Hinged Fastening System

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.



Flexco® Rivet Hinged Fastener Selection Chart

Fastener Size	Fastener Rating		Belt Thickness Range		Recommended Min. Pulley Diameter			
	For Belt Tension Rating Up To:	For Belt Strength Up To:	Measured After Skive		Operating Tension 75-100% of Fastener Rating		Operating Tension Under 75% of Fastener Rating	
	kN/m	PIW	mm	in.	mm	in.	mm	in.
R2	580	330	3-9.5	1/8-3/8	127	5	127	5
R5	790	450	5.5-11	7/32-7/16	230	9	175	7
R5-1/2	1140	650	8-15	5/16-19/32	300	12	250	10
R6	1400	800	10.5-17.5	13/32-11/16	450	18	400	16
R6LP	1400	800	8-18	5/16-23/32	450	18	400	16
R8	2630	1500	10.5-17.5	13/32-11/16	450	18	400	16
R9	3500	2000	16-25.5	5/8-1	1050	42	1050	42

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	Slightly	No	R2, R5, R9
MegAlloy®	Excellent	Poor	Poor	Yes	No	R2, R5, R5½
RustAlloy®	Good	Good	Good	Yes	No	R5, R5½, R6, R8

FLEXCO® SR™

Rivet Hinged Fastening System

Rivets

Rivets are available in steel, stainless, or everdur (Everdur only AA-C sizes) and 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 Measured After Skive		Rivet Size
	mm	in.	
R2	3-5.5	1/8-7/32"	SRAA
	5-8	3/16-5/16"	SRA
	7-9.5	9/32-3/8"	SRB
R5	5.5-8	7/32-5/16	SRA
	7-9.5	9/32-3/8	SRB
	9-11	11/32-7/16	SRC
	10.5-11	13/32-7/16	SRC/D
R5-1/2 & R6LP	8-9	5/16-11/32	SRB
	8-10.5	5/16-13/32	SRC
	9.5-12	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	SRE*
	16-18	5/8-23/32	SRG*
R6	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	SRE
	15-17.5	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	SRE
	15-17.5	19/32-11/16	SRG
R9	16-17.5	5/8-11/16	SRG
	16.5-19	21/32-3/4	SRH
	18-20.5	23/32-13/16	SRI
	20-22	25/32-7/8	SRJ**
	21.5-24	27/32-15/16	SRK**
	23-25.5	29/32-1	SRL**

* Applies to RAR6LP only.

** Use with 3/4" diameter hinge pin.

Rivets Required For One R2 Joint

Belt Width		Rivet Required
mm	in.	
300	12	24
450	18	40
600	24	52
750	30	64
900	36	80
1050	42	92
1200	48	108
1350	54	120
1500	60	136

Rivets Required For One R5, R5-1/2 Or R6 Joint

Belt Width		Rivets Required
mm	in.	
450	18"	100
600	24"	130
750	30"	160
900	36"	200
1050	42"	230
1200	48"	270
1350	54"	300
1500	60"	340
1800	72"	410
2130	84"	480

Rivets Required For One R8 or R9 Joint

Belt Width		Rivets Required
mm	in.	
1200	48"	432
1350	54"	480
1500	60"	544
1800	72"	656
2130	84"	768



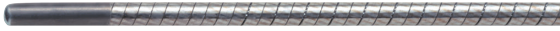
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Rivet Hinged Fastening System

Hinge Pins

Hinge Pin Material

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



AC - Bare Armored Cable

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



ACS - Bare Armored Stainless Steel Cable

R2 & R5

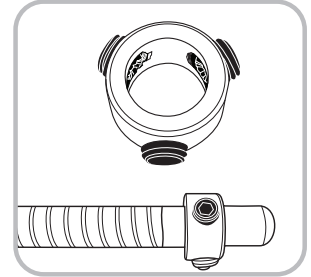
Belt Width		Ordering Number			
		AC Bare Armored Cable 6.4 mm (1/4") Diameter		*ACS Bare Armored Stainless Cable 6.9 (17/64") Diameter	
mm	in.	Each (One Pin)	Package (Ten Pins)	Each (One Pin)	Package (Ten Pins)
450	18	AC-18-1	AC-18		
500	20				
600	24	AC-24-1	AC-24		
750	30	AC-30-1	AC-30	ACS-30-1	ACS-30
900	36	AC-36-1	AC-36	ACS-36-1	ACS-36
1050	42	AC-42-1	AC-42	ACS-42-1	ACS-42
1200	48	AC-48-1	AC-48	ACS-48-1	ACS-48
1350	54	AC-54-1		ACS-54-1	ACS-54
1500	60	AC-60-1		ACS-60-1	ACS-60
1800	72	AC-72-1		ACS-72-1	ACS-72

For R5½, R6, R6LP, R8

Belt Width		Ordering Number			
		AC6 Bare Armored Steel Cable 9.7 mm (3/8") Diameter		*ACS6 Bare Armored Stainless Cable 9.7 mm (3/8") Diameter	
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	ACS6-36/900-1	ACS6-36/900
1000	40	AC6-40-1	AC6-40	ACS6-40-1	ACS6-40
1050	42	AC6-42-1	AC6-42	ACS6-42-1	ACS6-42
1150	46			ACS6-46-1	ACS6-46
1200	48	AC6-48-1	AC6-48	ACS6-48-1	ACS6-48
1350	54	AC6-54-1	AC6-54	ACS6-54-1	ACS6-54
1500	60	AC6-60-1	AC6-60	ACS6-60-1	ACS6-60
1800	72	AC6-72-1	AC6-72	ACS6-72-1	ACS6-72
2130	84		AC6-84	ACS6-84-1	ACS6-84

Hinge Pin Retaining Collars

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



Sift Stop Foam Strip

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



Aluminum MSRT

Aluminum MSRT Applicator Complete* For installation of R5, R5½, and R6 Fasteners

Belt Width		Ordering Number	Belt Width		Ordering Number
mm	in.		mm	in.	
750	30	MSRT-30-AL	1500	60	MSRT-60-AL
900	36	MSRT-36-AL	1800	72	MSRT-72-AL
1050	42	MSRT-42-AL	2130	84	MSRT-84-AL
1200	48	MSRT-48-AL	2430	96	MSRT-96-AL



Aluminum MSRT

Tools

Belt Width	Weight kgs.	Ordering Number	Item Code
All Sizes	7.2	R2AT-12	41155
All Sizes	16.5	R5AT-18	41156



R5AT-18

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