

Flexco® Bolt Hinged Fastener System



No. 375X



No. 550



Exclusive tapered tip cradles nuts securely in place.

Easy to use.

Reduces installation time.

Sturdy hinged construction makes Flexco® Bolt Hinged fasteners ideal for applications that use smaller pulleys, but still require a high-strength, dependable splice. A choice of sizes accommodate belts from 1/4" (6 mm) to 5/8" (16 mm) thick.

Versatile, easy-to-install design

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

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

Market applications

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

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

Flexco®

Flexco® Bolt Hinged Fastener System

“J” Carton Complete Fastener Joint

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

- 2 Fastener Strips
- 1 Hinge Pin
- Filler Tubing
- 1 Gauge Pin
- 2 Hinge Pin Washers
- Required Piloted Bolts, Nuts, and 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 **
in.	mm				
18	450	375XJ18NC	375XJ18NCS		
24	600	375XJ24NC	375XJ24NCS	375XJ24SC	375XSJ24SSC
30	750	375XJ30NC	375XJ30NCS		375XSJ30SSC
36	900	375XJ36NC	375XJ36NCS	375XJ36SC	375XSJ36SSC
42	1050	375XJ42NC	375XJ42NCS		375XSJ42SSC
48	1200	375XJ48NC	375XJ48NCS	375XJ48SC	375XSJ48SSC
60	1500	375XJ60NC			375XSJ60SSC

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 **
in.	mm				
18	450	550J18NC			
24	600	550J24NC	550J24NCS	550J24SC	550J24SSC
30	750	550J30NC	550J30NCS	550J30SC	550J30SSC
36	900	550J36NC	550J36NCS	550J36SC	550J36SSC
42	1050	550J42NC	550J42NCS	550J42SC	550J42SSC
48	1200	550J48NC	550J48NCS	550J48SC	550J48SSC
60	1500	550J60NC			

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

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

For additional Bolt Hinged offerings, please contact Flexco or your local Flexco distributor.

Flexco® Bolt Hinged Fastener System

Extra Hinge Pins

For 375X and 550

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

* 300 Series

NC – Nylon Covered Steel Cable

Nylon covering reduces corrosion and simplifies hinge pin insertion.

SC – Bare Steel Cable

Recommended for abrasive or gritty material conveyance.

NCS – Nylon Covered Stainless Steel Cable

For greater corrosion resistance.

SSC – Bare 300 Series Stainless Steel Cable

For conditions where corrosion attacks ordinary steel pins.

Extra piloted bolts and nuts

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



Extra Piloted Bolts

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

Extra Nuts

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

* Slotted Nuts

Plastic filler tubing reduces sifting

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

Filler Tubing

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



Flexco® Bolt Hinged Installation Tools and Supplies

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

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.



Hand Tools



Power Tools

Bolt Breaker

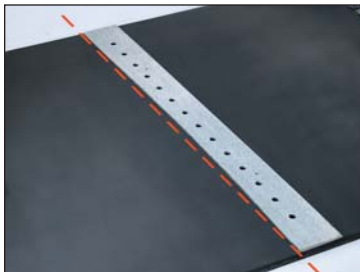
Description	For Fastener Number	Ordering Number
Bolt Breaker (Two Per Package)	1, 140, 190 & RP1	110
	1-1/2, 2, 2-1/4 & RP2	112
	2-1/2 & 3	113



Bolt Breaker

Curved Templets

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



Curved Templets

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