

FLEXCO® Bolt Hinged Fastener System

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

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



Versatile, easy-to-install design

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

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

Market Applications:

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



*Exclusive tapered tip cradles nuts
securely in place.*

Easy to use.

Reduces installation time.



No. 375X

No. 550

Bolt Hinged Fastener Selection Guide

Fastener Size	Belt Thickness Range		For Belts with Mechanical Fastener Ratings Up To:		Recommended Minimum Pulley Diameter (Operating Tension 75%-100% of Belt Rating)	
	mm	in	kN/m	Pl.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

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Bolt Hinged Fastener System

“J” Carton Complete Fastener Joint

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

Each carton includes:

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



Ordering Information

Belt Width		375X Fasteners			
		Ordering Number			
mm	in	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 **
450	18	375XJ18NC	375XJ18NCS		
600	24	375XJ24NC	375XJ24NCS	375XJ24SC	375XSJ24SSC
750	30	375XJ30NC	375XJ30NCS		375XSJ30SSC
900	36	375XJ36NC	375XJ36NCS	375XJ36SC	375XSJ36SSC
1050	42	375XJ42NC	375XJ42NCS		375XSJ42SSC
1200	48	375XJ48NC	375XJ48NCS	375XJ48SC	375XSJ48SSC
1500	60	375XJ60NC			375XSJ60SSC

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

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

Ordering Information

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

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

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

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

* 300 Series

NC – Nylon Covered Steel Cable

Nylon covering reduces corrosion and simplifies hinge pin insertion.

SC – Bare Steel Cable

Recommended for abrasive or gritty material conveyance.

NCS – Nylon Covered Stainless Steel Cable

For greater corrosion resistance.

SSC – Bare 300 Series Stainless Steel Cable

For conditions where corrosion attacks ordinary steel pins.

Extra piloted bolts and nuts

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



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

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

* Slotted Nuts

Plastic filler tubing reduces sifting

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

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



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Bolt Hinged Installation Tools and Supplies

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

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

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

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

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

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

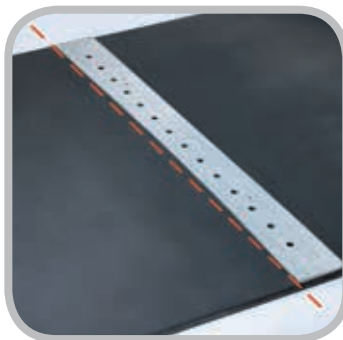
** For use with Stainless No. 375X or Stainless No. 550 nuts.

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



Curved Templets

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



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

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