

# 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<br>(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®**

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## “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.)<br>Nylon Covered Steel Cable |                       | NCS (1/4" dia.)<br>Nylon Covered Stainless Cable* |                       | SC (1/4" dia.)<br>Bare Steel Cable |                       | SSC (7/32" dia.)<br>Bare Stainless Cable* |                       |
| in.        | mm   | Each<br>(One Pin)                           | Package<br>(Ten Pins) | Each<br>(One Pin)                                 | Package<br>(Ten Pins) | Each<br>(One Pin)                  | Package<br>(Ten Pins) | Each<br>(One Pin)                         | Package<br>(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

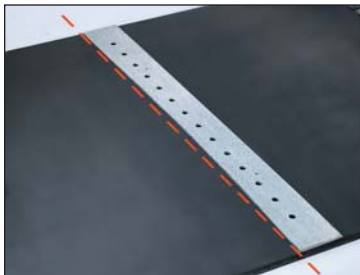
| Description                       | For Fastener Number   | Ordering Number |
|-----------------------------------|-----------------------|-----------------|
| Bolt Breaker<br>(Two Per Package) | 1, 140, 190 & RP1     | 110             |
|                                   | 1-1/2, 2, 2-1/4 & RP2 | 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 |

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 Mexico: 52-55-5674-5326 • New Zealand: 64-9-415-4488 • Republic of South Africa: 27-11-974-2771

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