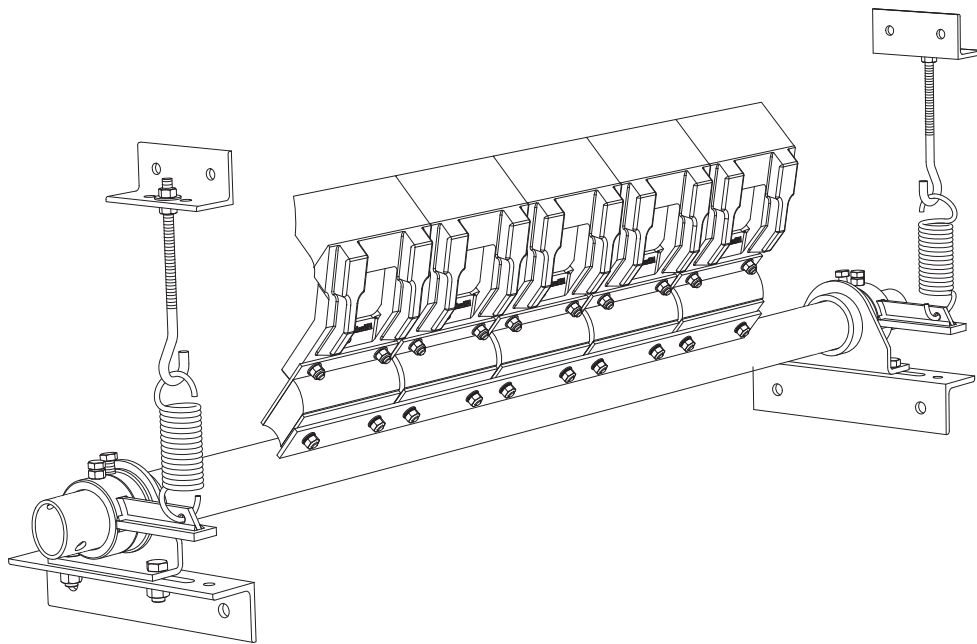


# HXF Primary Cleaner

## Installation, Operation and Maintenance Manual



## H-Type® Primary Cleaner with HXF

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Purchase Date: \_\_\_\_\_

Purchased From: \_\_\_\_\_

Installation Date: \_\_\_\_\_

This information will be helpful for any future inquiries or questions about belt cleaner replacement parts, specifications or troubleshooting.

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# Section 1 – Important Information

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## 1.1 General Introduction

We at Flexco are very pleased that you have selected an H-Type® Primary Cleaner with HXF for your conveyor system.

This manual will help you to understand the operation of this product and assist you in making it work up to its maximum efficiency over its lifetime of service.

It is essential for safe and efficient operation that the information and guidelines presented be properly understood and implemented. This manual will provide safety precautions, installation instructions, maintenance procedures and troubleshooting tips.

If, however, you have any questions or problems that are not covered, please visit our web site or contact our Customer Service Department.

**Visit [www.flexco.com](http://www.flexco.com) for other Flexco locations and products.**

Please read this manual thoroughly and pass it on to any others who will be directly responsible for installation, operation and maintenance of this cleaner. While we have tried to make the installation and service tasks as easy and simple as possible, **it does however require correct installation and regular inspections and adjustments to maintain top working condition.**

## 1.2 User Benefits

Correct installation and regular maintenance will provide the following benefits for your operation:

- Reduced conveyor downtime
- Reduced man-hour labour
- Lower maintenance budget costs
- Increased service life for the belt cleaner and other conveyor components

## 1.3 Service Option

The H-Type® Primary Cleaner with HXF is designed to be easily installed and serviced by your on-site personnel. However, if you would prefer complete turn-key factory service, please contact your local Flexco Field Representative.

## Section 2 – Safety Considerations and Precautions

---

Before installing and operating the H-Type® Primary Cleaner with HXF, it is important to review and understand the following safety information.

There are set-up, maintenance and operational activities involving both **stationary** and **operating** conveyors. Each case has a safety protocol.

---

### 2.1 Stationary Conveyors

The following activities are performed on stationary conveyors:

- Installation
- Blade replacement
- Repairs
- Tension adjustments
- Cleaning

#### **DANGER**

It is imperative that Lockout/Tagout (LOTO) regulations, be followed before undertaking the preceding activities. Failure to use LOTO exposes workers to uncontrolled behaviour of the belt cleaner caused by movement of the conveyor belt. Severe injury or death can result.

**Before working:**

- Lockout/Tagout the conveyor power source
- Clear the conveyor belt or clamp securely in place

#### **WARNING**

**Use Personal Protective Equipment (PPE):**

- Safety eyewear
- Hardhats
- Safety footwear

Close quarters, springs and heavy components create a worksite that compromises a worker's eyes, feet and skull.

PPE must be worn to control the foreseeable hazards associated with conveyor belt cleaners. Serious injuries can be avoided.

---

### 2.2 Operating Conveyors

There are two routine tasks that must be performed while the conveyor is running:

- Inspection of the cleaning performance
- Dynamic troubleshooting

#### **DANGER**

Every belt cleaner is an in-running nip hazard. Never touch or prod an operating cleaner. Cleaner hazards may cause instantaneous amputation and entrapment.

#### **WARNING**

Belt cleaners can become projectile hazards. Stay as far from the cleaner as practical and use safety eyewear and headgear. Missiles can inflict serious injury.

#### **WARNING**

Never adjust anything on an operating cleaner. Unforeseeable belt projections and tears can catch on cleaners and cause violent movements of the cleaner structure. Failing hardware can cause serious injury or death.

## Section 3 – Pre-installation Checks and Options

---

### 3.1 Checklist

- Check that the cleaner size is correct for the beltline width.
- Check the belt cleaner carton and make sure all the parts are included.
- Review the “Tools Needed” list on the top of the installation instructions.
- Check the conveyor site:
  - Will the cleaner be installed on a chute?
  - Is the install on an open head pulley requiring mounting structure?
  - Are there obstructions that may require cleaner location adjustments?  
(see 3.2 - Cleaner Location Adjustments)

## Section 3 - Pre-Installation Checks and Options

### 3.2 Cleaner Location Adjustments

In certain applications it is necessary to modify the location of the precleaner pole due to permanent obstacles that obstruct the desired location. Relocating the pole location can be done easily and does not hinder the performance of the cleaner as long as the “C” dimension is maintained.

**NOTE:** In the following example we will be lowering the pole location in the “Y” direction, but the same method could also be applied in the “X” direction.

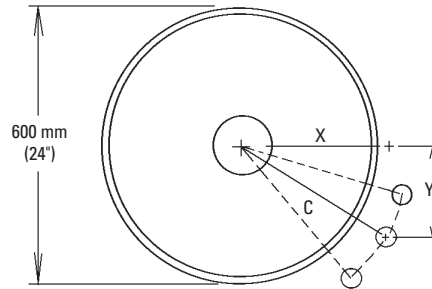
Conveyor situation:

Pulley Diameter: 600 mm (24")

X = 321 mm (12-5/8")

Y = 300 mm (12")

C = 441 mm (17-3/8")



- 1. Determine the given location dimensions and define the change needed.** After laying out the given X & Y dimensions, determine the distance of the modification required for adequate clearance of the pole and tensioning system. (In the example we decide to lower the pole 50 mm (2") to clear the support structure).
- 2. Write down known dimensions.** We can now determine two of the three required dimension which will allow us to find the third. We know we cannot alter the “C” dimension, so this will remain the same. Also we are required to lower the unit in the “Y” dimension 50 mm (2"), so we add 50 mm (2") to the given “Y” dimension.

X = ? mm (?)

Y = 300 + 50 = 350 mm (12 + 2 = 14")

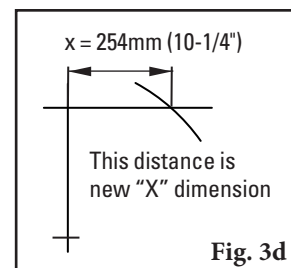
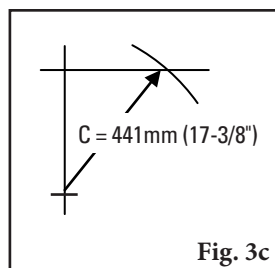
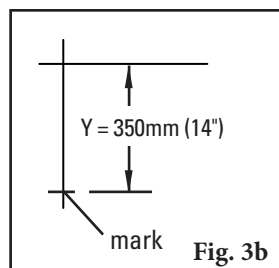
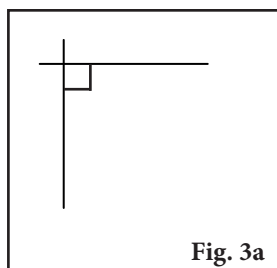
C = 441 mm (17-3/8")

- 3. Determine final dimension.** On a flat vertical surface, using a level, draw one horizontal line and one vertical line creating a right triangle (Fig 3a). Measure down from the intersection the determined “Y” dimension and mark (Fig 3b). With the tape measure starting at the modified “Y” mark, swing the tape across the “X” line and mark at the “C” dimension where it crosses the “X” line (Fig 3c). Measure from the intersection to the “C” intersection and this will be your new “X” dimension (Fig. 3d).

X = 254 mm (10-1/4")

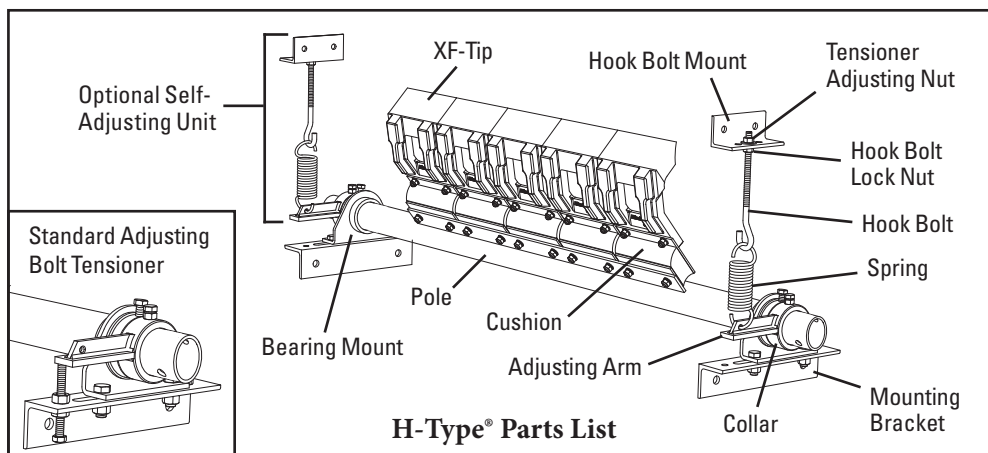
Y = 350 mm (14")

C = 441 mm (17-3/8")



## Section 4 – Installation Instructions

### 4.1 H-Type® with XF Tips and J-Bolt Tensioner



**PHYSICALLY LOCK OUT AND TAG THE CONVEYOR AT THE POWER SOURCE BEFORE YOU BEGIN CLEANER INSTALLATION.**

#### Before You Begin:

- Installation specs and instructions are based on the assumption that the conveyor is in its working position (angle). If the conveyor angle will be different, the cleaner should be installed per the final position.
- Choose instructions for chute mounting or open head mounting. For chute mounting it may be necessary to cut an access hole to allow for installation and inspections. (See dimensions in Step 7 under Chute Mounting.)
- Follow all safety precautions when using a cutting torch.
- If welding, protect all fastener threads from weld spatter.

#### Tools Needed:

- Tape Measure
- 19 mm (3/4") Spanner
- Ratchet with 19 mm (3/4") Socket
- Adjustable Spanner
- Cutting Torch and/or Welder
- (2) 150 mm (6") C-Clamps  
(For Temporary Positioning of Mounting Brackets)
- 600 mm (24") Level
- Marking Pen

| XF-Tip Size | Pulley Diameter + Belt and Lagging |
|-------------|------------------------------------|
| S           | 450–799 mm (18–32")                |
| M           | 800–999 mm (32–40")                |
| L           | 1000–1200 mm (40–48")              |



## Section 4 – Installation Instructions

### 4.2 H-Type® with XF Tips and J-Bolt Tensioner - Chute Mounting

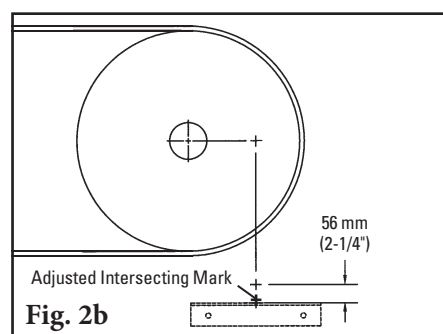
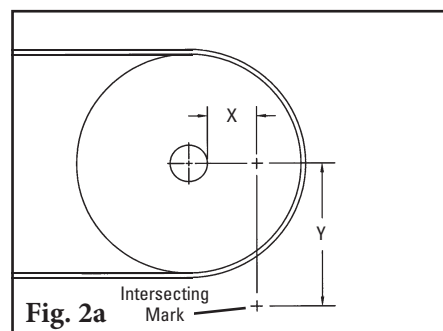
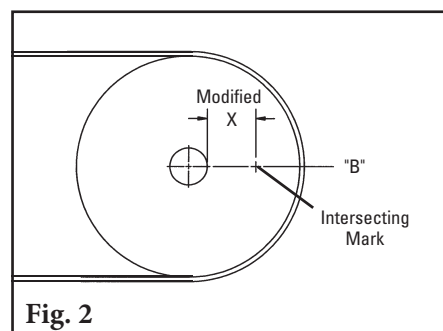
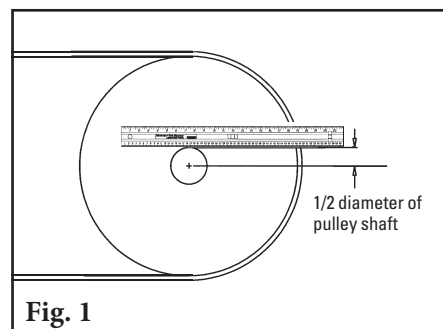
#### For Chute Mounting:

1. **Find X and Y measurements.** Find the X and Y measurement specifications for the pulley diameter. See charts on Page 16. The pulley diameter measurement should include lagging and belt.

Pulley Diameter \_\_\_\_\_ mm; X = \_\_\_\_\_ mm; Y = \_\_\_\_\_ mm

Using the correct X and Y coordinates will position the cleaner at 15° below the horizontal plane on the head pulley.

2. **Measure head pulley shaft.** Determine the diameter of the pulley shaft and divide by 2.
3. **Using a level on top of the pulley shaft, draw a horizontal line (A).** Measure down from Line A half the diameter of the pulley shaft and draw Line B parallel from the pulley shaft (Fig. 1).
4. **Mark X dimension.** Subtract the above dimension (Step 2) from the selected X dimension to establish the modified X dimension. With this new X dimension measure horizontally from the front of the pulley shaft forward on Line B and mark on the chute (Fig. 2).
5. **Determine Y dimension.** From the horizontal X mark, drop a line vertically down to the selected Y dimension and draw an intersecting mark (Fig. 2a). This is the correct position of the centre of the pole.
6. **Locate mounting bracket position (horizontal position).** To locate the position of the cleaner mounting bracket, add 56 mm (2-1/4") to the intersecting mark (Fig. 2b). This mark indicates the top centre of the mounting bracket.

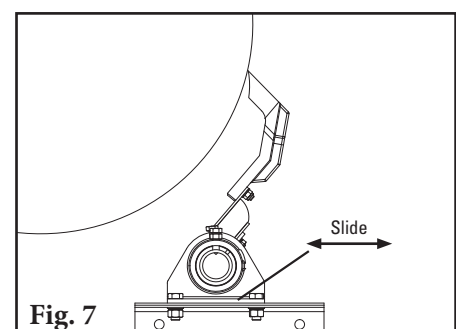
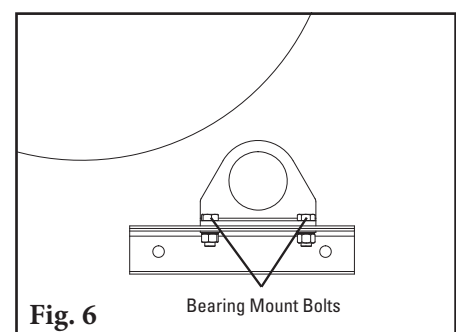
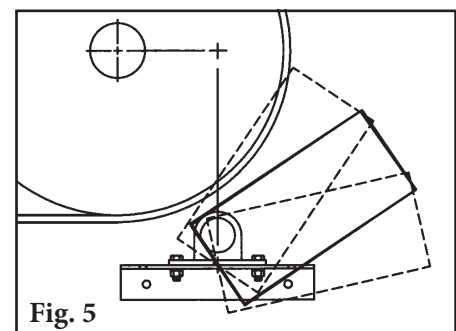
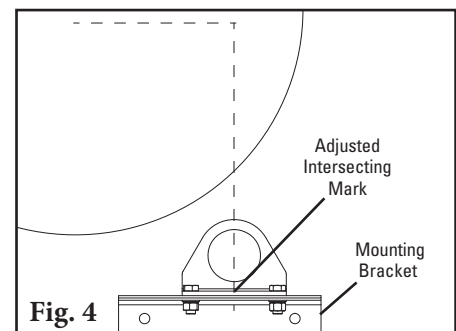
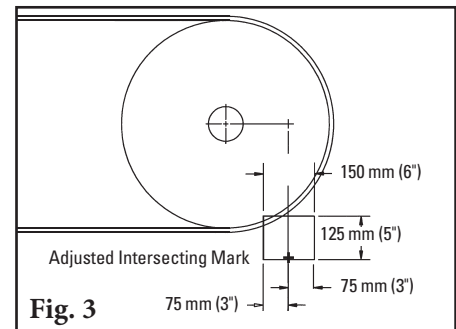


## Section 4 – Installation Instructions

### 4.2 H-Type® with XF Tips and J-Bolt Tensioner - Chute Mounting

7. **Cut chute opening.** Using the adjusted intersecting mark (“+”) established in Step 6, layout and cut the required opening 125 x 150 mm (5 x 6") on the chute (Fig. 3). If an access hole is required, see Step 7.
8. **Install the mounting brackets.** Centre the mounting bracket on the bottom of the opening. Bolt or weld in position (Fig 4). Repeat process on opposite side.
9. **Cutting the access hole.** Cut an access hole by centring the bottom edge on the adjusted intersecting mark (“+”) established in Step 6. The width of the hole should be 175 mm (7"); the height should be 380 mm (15") for extra small tips, 440 mm (17") for small tips or 485 mm (19") for medium tips, and 515 mm (20") for large tips. The access hole may be oriented within the range shown (Fig. 5), provided that the bottom edge is still centred as described above.
10. **Install the pole.** Remove the two bearing mount bolts from one of the bearing mounts (Fig. 6). (If chute mount, remove from the side with access hole.) Slide the pole across the pulley and into the bearing mount on other side and allow tips to hang down. Install the removed bearing mount on the pole and reattach to the mounting bracket. Do not tighten; leave finger tight.
11. **Position the pole.** Rotate pole upward to bring tips into contact with head pulley (Fig. 7). Centre the tips across the belt. While applying light pressure on the centre tip, shift loosened bearing mount until tips are contacting belt evenly across full width. Lock cleaner into this position by tightening bearing mount bolts.

For step-by-step instructions on installing the spring tensioner, refer to Page 13.



## Section 4 – Installation Instructions

### 4.3 H-Type® with XF Tips and J-Bolt Tensioner - Open Head Mounting

#### Open Head Mounting

1. **Find X and Y measurements.** Find the X and Y measurement specifications for the pulley diameter. See charts on Page 16.

The pulley diameter measurement should include lagging and belt.

Pulley Diameter \_\_\_\_\_ mm; X = \_\_\_\_\_ mm; Y = \_\_\_\_\_ mm

Using the correct X and Y coordinates will position the cleaner at 15° below the horizontal plane on the head pulley.

2. **Locate Y location.** Determine the diameter of the pulley shaft and divide by 2.
3. **Put a level on top of the pulley shaft and make a mark (A) on the structure.** Measure down from Mark A half the diameter of the pulley shaft and make another mark (B), locating the shaft's centreline (Fig. 1).
4. **Measure down the given Y dimension plus 56 mm (2-1/4") and make a mark (Fig. 2).** This mark indicates the top location of support material to be added for installing the cleaner mounting brackets.

5. **Locate the X location.**

- a.) Measure from the back of the pulley shaft to the support structure (Fig. 3).
- b.) Divide the pulley shaft's diameter by 2.
- c.) Add dimensions from Step 5a and b. This dimension is the pulley shaft's centreline to the support structure.
- d.) Add the given X dimension to Step 5c. This sum indicates the distance from the centre of the pole to the support structure.
- e.) Next, add 175 mm (7") (half of the length of the mounting bracket). This new sum is the total length of the support material needed to correctly locate the mounting brackets.

6. **Secure the mounting support pieces to the support structure.** Weld the support pieces to the support structure. A 75 x 75 mm (3 x 3") angle works well for these support pieces.
7. **Prepare the support pieces for the cleaner mounting brackets.** Clamp the mounting bracket on the support piece. Mark and drill, or weld, holes for mounting.

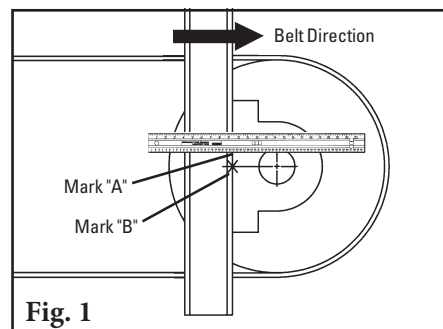


Fig. 1

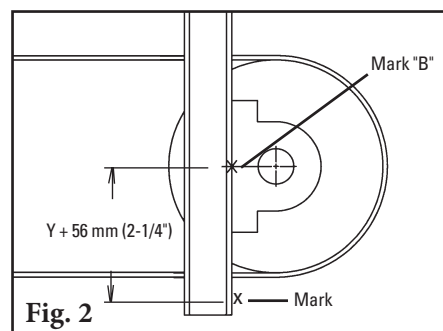


Fig. 2

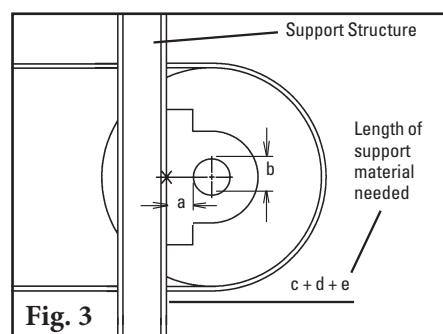


Fig. 3

|  |               |         |
|--|---------------|---------|
| a.) Shaft to structure.  | _____         | +       |
| b) 1/2 pulley shaft diameter. ( _____ ÷ 2 ) = _____                | _____         |         |
| c) Pulley shaft centre line to the structure.                      | _____         | = _____ |
| d) Add X measurement from chart centre of pole from the structure. | _____         | = _____ |
| e) Add 175 mm (7") (half the length of mounting bracket).          | 175 mm (7") + |         |
| <b>Final length of support material needed.</b>                    | _____         | = _____ |

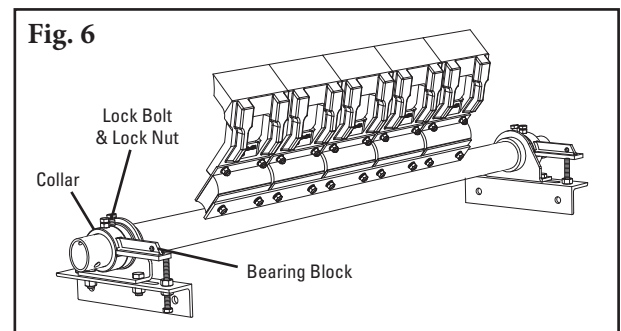
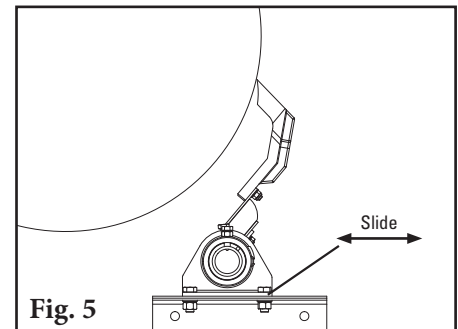
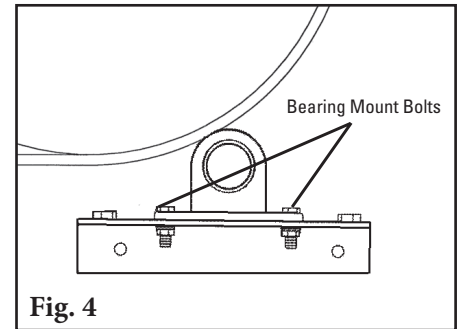
## Section 4 – Installation Instructions

### 4.3 H-Type® with XF Tips and J-Bolt Tensioner - Open Head Mounting

8. **Install the pole.** Remove the two bearing mount bolts from one of the bearing mounts (Fig. 4). (For chute mounting, remove the bolts from the same side as the access hole.) Slide the pole across the pulley and into the bearing mount on the other side, allowing the tips to hang down. Install the removed bearing mount on the pole and reattach it to the mounting bracket.

**NOTE:** Do not over tighten; leave finger tight.

9. **Position the pole.** Rotate the pole upward to bring the tips into contact with the head pulley (Fig. 5). Then centre the tips across the belt. While applying light pressure on the centre tip, shift the loosened bearing mount until tips are contacting the belt evenly across the full width. Lock the cleaner into this position by tightening the bearing mount bolts.
10. **Install the Tensioning System.** With the pole rotated up so that all the tips contact the head pulley, slide a collar on each end of the pole. Position the collars tight against the bearing mounts and tighten the lock bolt and jam nut on each collar (Fig. 6).



## Section 4 – Installation Instructions

### 4.4 H-Type® with XF Tips and J-Bolt Tensioner - Spring Tension

#### Spring Tension Mounting Kit

1. Assemble the tension spring and the J bolt mount to an adjusting arm (Fig. 1).

**IMPORTANT:** Allow for at least 100–125 mm (4–5") for upward movement on the J bolt for future blade tip adjustments.

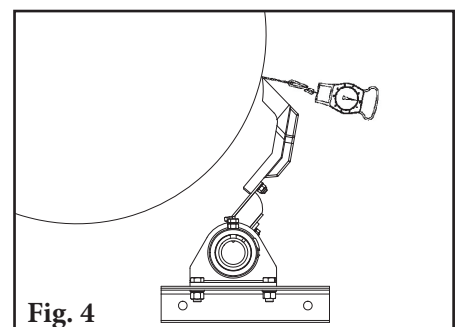
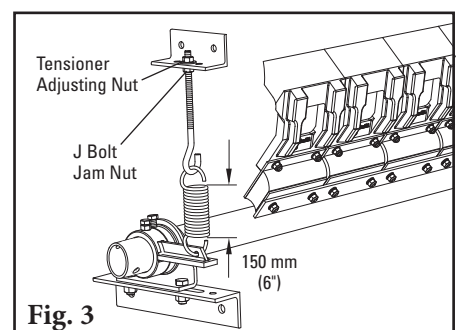
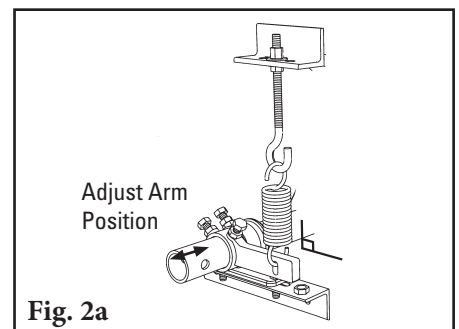
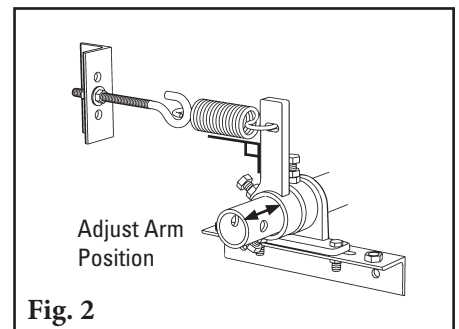
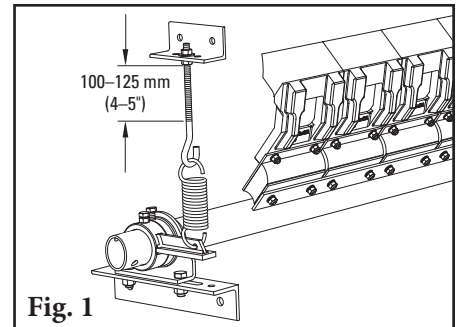
2. Install an adjusting arm onto pole end. Rotate the tensioner around the pole until the optimum mounting position is located. The J bolt mount can be located in any position 360° around the pole. The only requirement is that the J bolt and spring remain perpendicular to the adjusting arm (Fig. 2 & 2a).

**NOTE:** The adjusting arm can be located any place along the end of the pole to align with J bolt mount.

3. Clamp the J bolt mount in place and weld or bolt in position.
4. With the adjusting arm positioned perpendicular to the J bolt mount, tighten the adjusting arm lock bolts and jam nuts (for optimum hold, tighten the back bolt first and then the top bolt).
5. The 900, 1050, and 1200 mm (36, 42 and 48") size cleaners require a dual tensioner. Repeat Steps 1–4 on the other side of the cleaner.
6. Set the Spring Tension. Loosen the J bolt jam nut and turn the tensioner adjusting nut until the coil is 150 mm (6") long. Measure the length of the compressed part of the spring (Fig. 3) Complete on both sides of the cleaner if required.

**NOTE:** This given spring length is only a starting point. The actual length for the correct cleaner blade tensioning may vary depending on the cleaner's width. Determine the exact spring measurement length in Step 8.

7. Check for correct blade tip tension. Place the Tip Tension Gauge between the blade tip and the belt on the centre tip (or tips) (Fig. 4). While pulling in a straight motion, read the tension required to break contact between the tip and belt, 8 kg (17-1/2 lbs.) is recommended. Be sure to check the tension on both outer tips. Make tension adjustments if needed.
8. Measure the spring length and affix the label. After the correct spring tension has been confirmed, measure the compressed part of the spring. Using a ballpoint pen mark the spring length on the Spring Length label provided in the packet. Affix the label on the conveyor structure near the spring for future reference for tensioning or re-tensioning the blades.



## Section 4 – Installation Instructions

### 4.5 H-Type® with XF Tips and Bolt-Up Tensioner

1. **Install the pole.** Remove the two bearing mount bolts from one of the bearing mounts (Fig. 1). (For chute mounting, remove the bolts from the same side as the access hole.) Slide the pole across the pulley and into the bearing mount on other side and allow the tips to hang down. Install the removed bearing mount on the pole and reattach it to the mounting bracket.

**NOTE:** Do not over tighten; leave finger tight.

2. **Position the pole.** Rotate the pole upward to bring the tips into contact with the head pulley (Fig. 2). Then centre the tips across the belt. While applying light pressure on the centre tip, shift the loosened bearing mount until the tips are contacting the belt evenly across the full width. Lock the cleaner into this position by tightening the bearing mount bolts.

3. **Install the adjusting arms.**

- a) Screw the adjusting bolts into the nuts on each mounting bracket (about 25 mm (1") above the mounting bracket).
- b) With the pole rotated upward, so that all tips contact the head pulley, slide the adjusting arm onto the pole tight against the bearing mount, resting on the adjusting bolt, pointed away from the head pulley. Tighten both of the adjusting arm lock bolts and lock nuts (Fig. 3).

Repeat on opposite side.

4. **Set tip tension.** Apply the following tension: HXF - 6 turns. Lock both of the adjusting bolt lock nuts (Fig. 4).
5. **Check for correct blade tip tension.** Place the Tip Tension Gauge between the blade tip and the belt on the centre tip (or tips) (Fig. 5). While pulling in a straight motion, read the tension required to break contact between the tip and belt, 10 kg (22 lbs.) is recommended. Be sure to check the tension on both outer tips. Make tension adjustments if needed.
6. **Test run the cleaner and inspect the operation.** If vibration occurs or more cleaning efficiency is desired, increase the tip tension by making a 1/2 turn on each adjustment bolt.

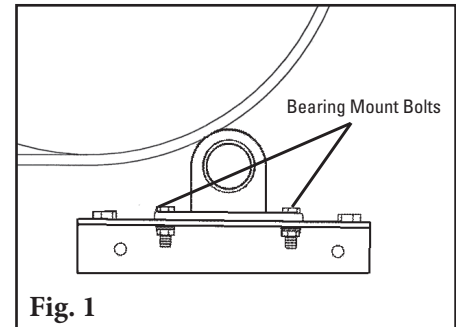


Fig. 1

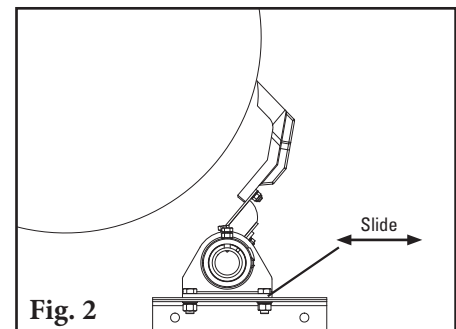


Fig. 2

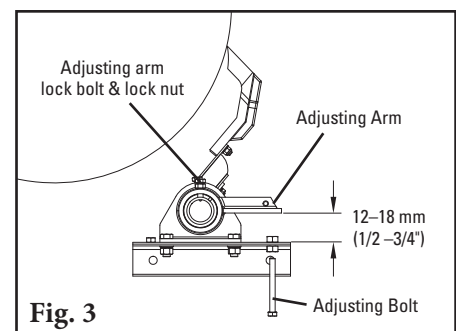


Fig. 3

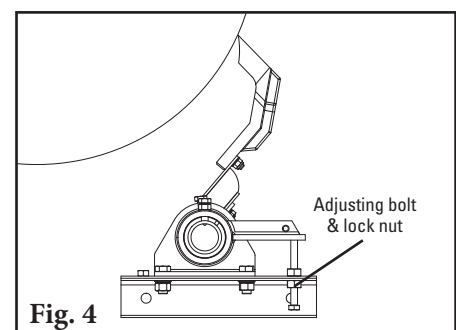


Fig. 4

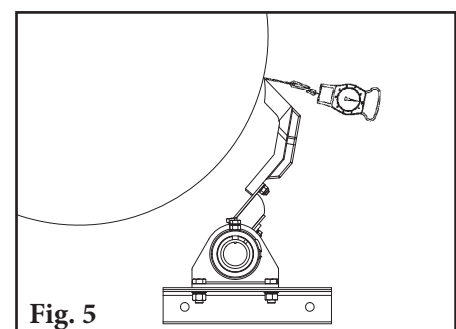


Fig. 5



## Section 4 – Installation Instructions

### 4.6 H-Type® and PCST Tensioner

1. **Install the compression spring tensioner.** Remove the adjusting nuts, bushings and spring from the pivot rod. Insert the pivot arm through the slot in the torque arm. Slide the torque arm onto the pole end (be sure that the rotation of the arm is correct to tension the blade).
2. **Reassemble the spring assembly.** Slide the spring, washer and bushings onto the pivot arm and turn the two adjusting nuts so about 6 mm (1/4") of the pivot arm is exposed above the nuts (Fig. 2).
3. **Verify your "C" dimension to insure that the pole is in the correct position.**
4. **Tension the blades to the belt.** Rotate the blades until they contact the belt. While holding the spring bushing flat on the torque arm, rotate the torque arm until the pivot arm is against the end of the slot nearest the pole. Tighten the locking bolts and jam nuts on the torque arm (Fig. 3).

**NOTE:** The torque arm should be up against the mounting plate.

5. **Set the correct blade tension.** Refer to the charts below for the spring length required for the belt width. Lightly pull the pivot arm toward the end of the torque arm slot nearest the pole and turn the adjusting nuts until the required spring length is achieved (Fig. 4). Lock the top adjusting nut.

**Test run the cleaner.** Run the conveyor for at least 15 minutes and inspect the cleaning performance. Check the spring length for proper tensioning. Make adjustments as necessary.

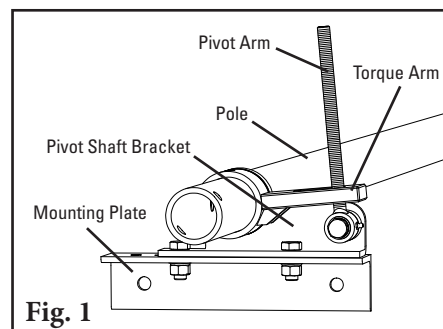


Fig. 1

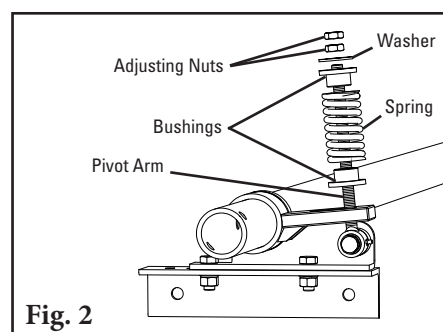


Fig. 2

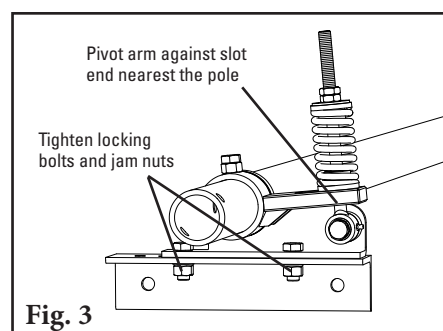


Fig. 3

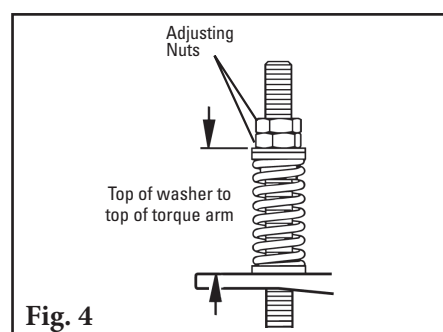


Fig. 4

**HV Gold Spring Length Chart**

| Belt Width<br>mm | SS  | S   | M   | L   | LL  |
|------------------|-----|-----|-----|-----|-----|
| 1400             | -   | 108 | 106 | 106 | 103 |
| 1600             | 108 | 106 | 105 | 104 | 100 |
| 1800             | 107 | 105 | 103 | 102 | 98  |
| 2000             | 106 | 104 | 102 | 100 | 96  |
| 2200             | 105 | 102 | 100 | 99  | 94  |
| 2400             | 104 | 101 | 99  | 97  | -   |
| 2600             | 102 | 99  | 97  | 95  | -   |
| 2800             | 101 | 98  | 95  | 94  | -   |
| 3000             | 100 | 97  | 94  | -   | -   |
| 3200             | 99  | 95  | 92  | -   | -   |

Shading indicates preferred length.

**HV Silver Spring Length Chart**

| Belt Width<br>mm | SS  | S   | M   | L   | LL  |
|------------------|-----|-----|-----|-----|-----|
| 2200             | -   | -   | 158 | 157 | 154 |
| 2400             | -   | 158 | 157 | 156 | 152 |
| 2600             | -   | 157 | 156 | 155 | 151 |
| 2800             | -   | 156 | 155 | 154 | 150 |
| 3000             | 158 | 155 | 154 | 152 | 148 |
| 3200             | 157 | 155 | 153 | 151 | 147 |

Shading indicates preferred length.

**HV Black Spring Length Chart**

| Belt Width<br>mm | SS  | S   | M   | L   | LL  |
|------------------|-----|-----|-----|-----|-----|
| 600              | 112 | 111 | 110 | 109 | 107 |
| 800              | 110 | 109 | 107 | 107 | 104 |
| 1000             | 108 | 106 | 105 | 104 | 100 |
| 1200             | 106 | 104 | 102 | 101 | 97  |
| 1400             | 105 | 102 | 100 | 98  | 93  |
| 1600             | 103 | 100 | 97  | 96  | 90  |
| 1800             | 101 | 97  | 95  | 93  | -   |

Shading indicates preferred length.

## Section 5 – Cleaner Pole Location Charts

### 5.1 Pole Location Charts

#### Extra Small (SS) XF Tips

Head Pulley Diameters: 250–475 mm

| Diameter (incl. belt) | X   | Y   | C   | Gap |
|-----------------------|-----|-----|-----|-----|
| 250                   | 48  | 301 | 305 | 61  |
| 275                   | 60  | 304 | 310 | 57  |
| 300                   | 72  | 308 | 316 | 53  |
| 325                   | 84  | 311 | 322 | 50  |
| 350                   | 96  | 314 | 329 | 47  |
| 375                   | 108 | 317 | 335 | 45  |
| 400                   | 120 | 321 | 342 | 42  |
| 425                   | 132 | 324 | 350 | 40  |
| 450                   | 144 | 327 | 358 | 38  |
| 475                   | 157 | 330 | 366 | 36  |
| 500                   | 169 | 334 | 374 | 35  |
| 525                   | 181 | 337 | 382 | 33  |
| 550                   | 193 | 340 | 391 | 32  |
| 575                   | 205 | 343 | 400 | 30  |
| 600                   | 217 | 347 | 409 | 29  |
| 625                   | 229 | 350 | 418 | 28  |

#### Small (S) XF Tips

Head Pulley Diameters: 500–775 mm

| Diameter (incl. belt) | X   | Y   | C   | Gap |
|-----------------------|-----|-----|-----|-----|
| 350                   | 67  | 369 | 375 | 79  |
| 375                   | 79  | 372 | 381 | 75  |
| 400                   | 91  | 376 | 387 | 71  |
| 425                   | 103 | 379 | 393 | 67  |
| 450                   | 115 | 382 | 399 | 63  |
| 475                   | 127 | 385 | 406 | 60  |
| 500                   | 140 | 389 | 413 | 56  |
| 525                   | 152 | 392 | 420 | 54  |
| 550                   | 164 | 395 | 428 | 51  |
| 575                   | 176 | 398 | 435 | 48  |
| 600                   | 188 | 402 | 443 | 46  |
| 625                   | 200 | 405 | 452 | 44  |
| 650                   | 212 | 408 | 460 | 42  |
| 675                   | 224 | 411 | 468 | 40  |
| 700                   | 236 | 415 | 477 | 38  |
| 725                   | 248 | 418 | 486 | 36  |
| 750                   | 260 | 421 | 495 | 35  |
| 775                   | 272 | 424 | 504 | 33  |
| 800                   | 284 | 427 | 513 | 32  |
| 825                   | 297 | 431 | 523 | 30  |
| 850                   | 309 | 434 | 533 | 29  |
| 875                   | 321 | 437 | 542 | 28  |
| 900                   | 333 | 440 | 552 | 26  |
| 925                   | 345 | 444 | 562 | 25  |

#### Medium (M) XF Tips

Head Pulley Diameters: 800–975 mm

| Diameter (incl. belt) | X   | Y   | C   | Gap |
|-----------------------|-----|-----|-----|-----|
| 650                   | 201 | 450 | 493 | 64  |
| 675                   | 213 | 453 | 501 | 62  |
| 700                   | 226 | 456 | 509 | 59  |
| 725                   | 238 | 459 | 517 | 57  |
| 750                   | 250 | 463 | 526 | 54  |
| 775                   | 262 | 466 | 534 | 52  |
| 800                   | 274 | 469 | 543 | 50  |
| 825                   | 286 | 472 | 552 | 48  |
| 850                   | 298 | 476 | 561 | 47  |
| 875                   | 310 | 479 | 570 | 45  |
| 900                   | 322 | 482 | 580 | 43  |
| 925                   | 334 | 485 | 589 | 42  |
| 950                   | 346 | 489 | 599 | 40  |
| 975                   | 358 | 492 | 609 | 39  |
| 1000                  | 370 | 495 | 618 | 37  |
| 1025                  | 383 | 498 | 628 | 36  |
| 1050                  | 395 | 502 | 638 | 35  |
| 1075                  | 407 | 505 | 648 | 34  |
| 1100                  | 419 | 508 | 658 | 32  |
| 1125                  | 431 | 511 | 669 | 31  |

#### Large (L) XF Tips

Head Pulley Diameters: 1000–1175 mm

| Diameter (incl. belt) | X   | Y   | C   | Gap |
|-----------------------|-----|-----|-----|-----|
| 850                   | 293 | 509 | 587 | 60  |
| 875                   | 305 | 512 | 596 | 58  |
| 900                   | 317 | 515 | 605 | 56  |
| 925                   | 329 | 519 | 614 | 54  |
| 950                   | 341 | 522 | 624 | 52  |
| 975                   | 354 | 525 | 633 | 50  |
| 1000                  | 366 | 528 | 642 | 49  |
| 1025                  | 378 | 532 | 652 | 47  |
| 1050                  | 390 | 535 | 662 | 45  |
| 1075                  | 402 | 538 | 672 | 44  |
| 1100                  | 414 | 541 | 681 | 42  |
| 1125                  | 426 | 544 | 691 | 41  |
| 1150                  | 438 | 548 | 701 | 40  |
| 1175                  | 450 | 551 | 711 | 38  |
| 1200                  | 462 | 554 | 722 | 37  |
| 1225                  | 474 | 557 | 732 | 36  |
| 1250                  | 486 | 561 | 742 | 35  |
| 1275                  | 498 | 564 | 753 | 34  |
| 1300                  | 511 | 567 | 763 | 32  |
| 1325                  | 523 | 570 | 774 | 31  |



## Section 6 – Pre-Operation Checklist and Testing

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### 6.1 Pre-Op Checklist

- Recheck that all fasteners are tightened properly.
- Add pole caps.
- Apply all supplied labels to the cleaner.
- Check the blade location on the belt.
- Be sure that all installation materials and tools have been removed from the belt and the conveyor area.

### 6.2 Test Run the Conveyor

- Run the conveyor for at least 15 minutes and inspect the cleaning performance.
- Check the tensioner spring for recommended length (proper tensioning).
- Make adjustments as necessary.

**NOTE:** Observing the cleaner when it is running and performing properly will help to detect problems or when adjustments are needed later.

## Section 7 – Maintenance

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Flexco belt cleaners are designed to operate with minimum maintenance. However, to maintain superior performance some service is required. When the cleaner is installed a regular maintenance program should be set up. This program will ensure that the cleaner operates at optimal efficiency and problems can be identified and fixed before the cleaner stops working.

All safety procedures for inspection of equipment (stationary or operating) must be observed. The H-Type® Primary Cleaner operates at the discharge end of the conveyor and is in direct contact with the moving belt. Only visual observations can be made while the belt is running. Service tasks can be done only with the conveyor stopped and by observing the correct lockout/tagout procedures.

### 7.1 New Installation Inspection

After the new cleaner has run for a few days a visual inspection should be made to ensure the cleaner is performing properly. Make adjustments as needed.

### 7.2 Routine Visual Inspection (every 2-4 weeks)

A visual inspection of the cleaner and belt can determine:

- If the belt looks clean or if there are areas that are dirty.
- If the blade is worn out and needs to be replaced.
- If there is damage to the blade or other cleaner components.
- If fugitive material is built up on the cleaner or in the transfer area.
- If there is cover damage to the belt.
- If there is vibration or bouncing of the cleaner on the belt.
- If a snub pulley is used, a check should be made for material buildup on the pulley.

If any of the above conditions exist, a determination should be made on when the conveyor can be stopped for cleaner maintenance.

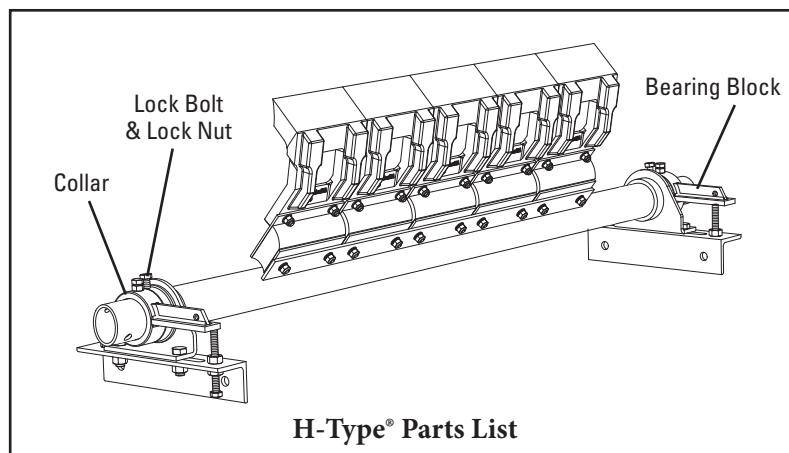
### 7.3 Routine Physical Inspection (every 6-8 weeks)

When the conveyor is not in operation and properly locked and tagged out, conduct a physical inspection of the cleaner to perform the following tasks:

- Clean material buildup off the cleaner blade and pole.
- Closely inspect the blade for wear and any damage. Replace if needed
- Ensure full blade to belt contact.
- Inspect the cleaner pole for damage.
- Inspect all fasteners for tightness and wear. Tighten or replace as needed.
- Replace any worn or damaged components.
- Check the tension of the cleaner blade to the belt. Adjust the tension if necessary.
- When maintenance tasks are completed, test run the conveyor to ensure the cleaner is performing properly.

## Section 7 – Maintenance

### 7.4 Blade Replacement Instructions



**PHYSICALLY LOCK OUT AND TAG THE CONVEYOR AT THE POWER SOURCE BEFORE YOU BEGIN CLEANER INSTALLATION.**

#### Tools Needed:

- Tape Measure
- (2) 38 mm (1-1/2") Spanner/Crescent Spanner
- 17 mm (11/16") Spanner
- Wire brush (for cleaning pole)
- Small putty knife (for cleaning pole)

#### 1. Release the tip tension.

**For adjusting bolt tensioners.** Loosen the adjusting bolt lock nuts and lower the adjusting bolts 25 mm (1") to allow the tips to move away from the belt (Fig. 1).

**For spring tensioners.** Loosen the hook bolt lock nuts and back off the tensioner adjusting nuts 50 mm (2") to allow the tips to move away from the belt (Fig. 1a).

- #### 2. Remove the worn blades.
- Remove the Nyloc nuts and flat washers from the bottom of each tip at the top of the cushion. Remove the tips by pulling back and downward (Fig. 2).

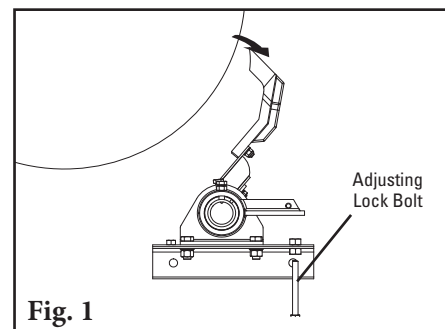


Fig. 1

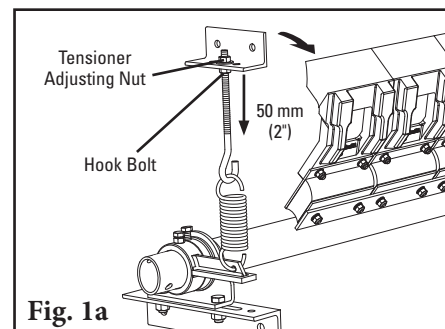


Fig. 1a

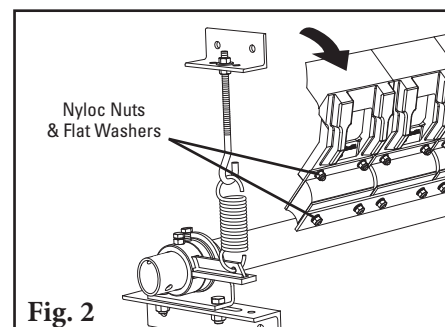


Fig. 2

## Section 7 – Maintenance

### 7.4 Blade Replacement Instructions

3. **Install the new tips.** With the tip tipped back slightly, align the studs with the holes in the top of the cushion plate and insert. Tilt the tip forward while holding the bottom of the tip tight against the cushion. With the tip aligned with the cushion, install a flat washer and Nyloc nut on each stud. Finger tighten only, but do not tighten (this will be done once all tips are installed) (Fig. 3). Continue across pole.
4. **Align the tips.** Position each tip to allow for a 1–2 mm (0.04–0.08") space between them to prevent any binding. Tighten all Nyloc nuts (Fig. 4).
5. **Tension the new blades.** Apply light pressure to the centre tip until contact is made with the belt.

**For adjusting bolt tensioners.** Turn the adjusting bolts up until they touch the adjusting arms (Fig. 5). Add an additional six turns on both sides.

**For spring tensioners.** Turn the tensioner adjusting nuts until the spring length matches the length marked on the Spring Length Label or structure (Fig. 5a). Confirm the tip tension is correct in Step 6.

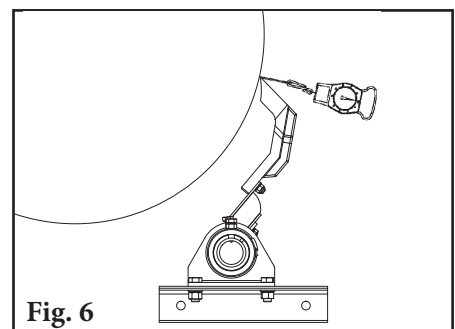
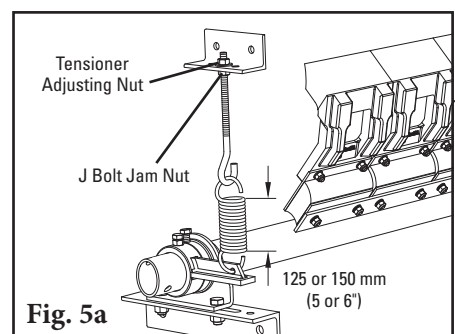
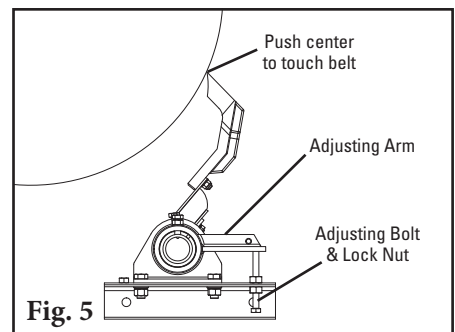
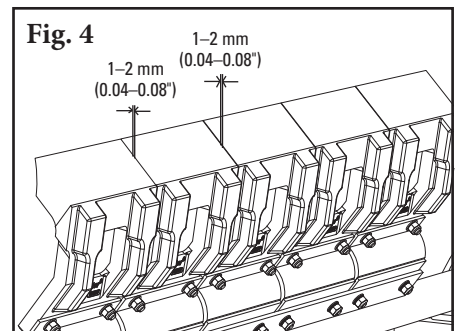
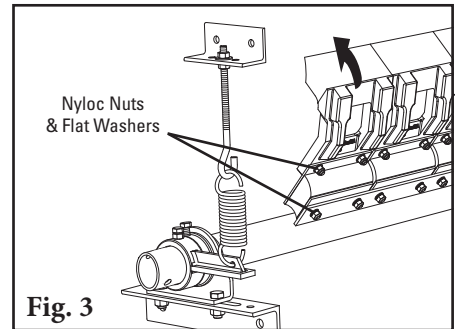
**NOTE:** If no measurement has been previously noted, adjust the spring length to 125 mm (5") for a single spring tensioner or 150 mm (6") for dual (Fig. 5a).

**NOTE:** These measurements are a starting point only. The actual length for correct tip tensioning may vary between cleaner width.

Determine the correct spring length measurement for the cleaner in Step 6. Then note the confirmed spring length on the structure for future use.

6. **Preform a pull test to check for correct tension.** Insert the Tip Tension Gauge, centred on the outer tip, between the tip and the belt (Fig. 6). Read tension required to break the contact of the tip to the belt (10 kg (22 lbs.) recommended for HF Tips, 8 kg (17-1/2 lbs.) for HXF Tips). Check both end tips. Make adjustments as needed and tighten both adjusting bolt lock nuts. If spring length adjustments were required, note the dimension for future adjustment.

**Test run the cleaner.** Run the conveyor for at least 15 minutes and inspect the cleaning performance. Check the spring length for proper tensioning. Make adjustments as necessary.



## Section 7 – Maintenance

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### 7.5 Maintenance Log

Conveyor Name/No. \_\_\_\_\_

Date: \_\_\_\_\_ Work done by: \_\_\_\_\_ Service Quote #: \_\_\_\_\_

Activity: \_\_\_\_\_

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Date: \_\_\_\_\_ Work done by: \_\_\_\_\_ Service Quote #: \_\_\_\_\_

Activity: \_\_\_\_\_

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Date: \_\_\_\_\_ Work done by: \_\_\_\_\_ Service Quote #: \_\_\_\_\_

Activity: \_\_\_\_\_

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Date: \_\_\_\_\_ Work done by: \_\_\_\_\_ Service Quote #: \_\_\_\_\_

Activity: \_\_\_\_\_

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Date: \_\_\_\_\_ Work done by: \_\_\_\_\_ Service Quote #: \_\_\_\_\_

Activity: \_\_\_\_\_

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Date: \_\_\_\_\_ Work done by: \_\_\_\_\_ Service Quote #: \_\_\_\_\_

Activity: \_\_\_\_\_

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Date: \_\_\_\_\_ Work done by: \_\_\_\_\_ Service Quote #: \_\_\_\_\_

Activity: \_\_\_\_\_

## Section 7 – Maintenance

### 7.6 Cleaner Maintenance Checklist

Site: \_\_\_\_\_ Inspected by: \_\_\_\_\_ Date: \_\_\_\_\_

Belt Cleaner: \_\_\_\_\_ Serial Number: \_\_\_\_\_

Blade Width: ☐ Belt minus 50mm (2") ☐ Belt minus 200mm (8") ☐ Belt minus 350mm (14")

#### Beltline Information:

Beltline Number: \_\_\_\_\_ Belt Condition: \_\_\_\_\_

Belt Width: ☐ 450mm (18") ☐ 600mm (24") ☐ 750mm (30") ☐ 900mm (36") ☐ 1050mm (42") ☐ 1200mm (48") ☐ 1350mm (54") ☐ 1500mm (60") ☐ 1800mm (72")

Head Pulley Diameter (Belt & Lagging): \_\_\_\_\_ Belt Speed: \_\_\_\_\_ fpm Belt Thickness: \_\_\_\_\_

Belt Splice: \_\_\_\_\_ Condition of Splice: \_\_\_\_\_ Number of Splices: \_\_\_\_\_ ☐ Skived ☐ Unskived

Material conveyed: \_\_\_\_\_

Days per week run: \_\_\_\_\_ Hours per day run: \_\_\_\_\_

#### Blade Life:

Date blade installed: \_\_\_\_\_ Date blade inspected: \_\_\_\_\_ Estimated blade life: \_\_\_\_\_

Is blade making complete contact with belt? ☐ Yes ☐ No

Distance from wear line: Left \_\_\_\_\_ Middle \_\_\_\_\_ Right \_\_\_\_\_

Blade condition: ☐ Good ☐ Grooved ☐ Smiled ☐ Not contacting belt ☐ Damaged

Measurement of spring: Required \_\_\_\_\_ Currently \_\_\_\_\_

Was Cleaner Adjusted: ☐ Yes ☐ No

Pole Condition: ☐ Good ☐ Bent ☐ Worn

Lagging: ☐ Side Lag ☐ Ceramic ☐ Rubber ☐ Other ☐ None

Condition of lagging: ☐ Good ☐ Bad ☐ Other \_\_\_\_\_

Cleaner's Overall Performance: (Rate the following 1 - 5, 1 = very poor - 5 = very good)

Appearance: ☐ Comments: \_\_\_\_\_

Location: ☐ Comments: \_\_\_\_\_

Maintenance: ☐ Comments: \_\_\_\_\_

Performance: ☐ Comments: \_\_\_\_\_

Other comments: \_\_\_\_\_

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## Section 8 – Troubleshooting

| Problem                               | Possible Cause                           | Possible Solutions   |
|---------------------------------------|--|--|
| Poor cleaning performance             | Cleaner under-tensioned                  | Adjust to correct tension – see spring length chart                                      |
|                                       | Cleaner over-tensioned                   | Adjust to correct tension – see spring length chart                                      |
|                                       | Cleaner installed in wrong location      | Verify "C" dimension, relocate to correct dimension                                      |
|                                       | Cleaner blade worn or damaged            | Replace cleaner blade  |
| Rapid Blade Wear                      | Tension on cleaner too high/low          | Adjust to correct tension – see spring length chart                                      |
|                                       | Cleaner not located correctly            | Check cleaner location for correct dimensions  |
|                                       | Blade attack angle incorrect             | Check cleaner location for correct dimensions  |
|                                       | Material too abrasive for blade          | Option: switch to alternate cleaner with metal blades                                    |
|                                       | Mechanical splice damaging blade         | Repair, skive or replace splice  |
| Centre wear on blade (smile effect)   | Blade wider than material path           | Replace blade with width to match material path  |
|                                       | Tension on cleaner too high/low          | Adjust to correct tension – see spring length chart                                      |
| Unusual wear or damage to blade       | Mechanical splice damaging blade         | Repair, skive or replace splice  |
|                                       | Belt damaged or ripped                   | Repair or replace belt   |
|                                       | Cleaner not correctly located            | Verify "C" dimension, relocate to correct dimension                                      |
|                                       | Damage to pulley or pulley lagging       | Repair or replace pulley   |
| Vibration or noise                    | Cleaner not located correctly            | Verify "C" dimension, relocate to correct dimension                                      |
|                                       | Blade attack angle incorrect             | Verify "C" dimension, relocate to correct dimension                                      |
|                                       | Cleaner running on empty belt            | Use a spray pole when the belt is empty  |
|                                       | Cleaner tension too high/low             | Adjust to correct tension or slight adjust to diminish                                   |
|                                       | Cleaner locking bolts not secure         | Check and tighten all bolts and nuts   |
|                                       | Cleaner not square to head pulley        | Verify "C" dimension, relocate to correct dimension                                      |
|                                       | Material buildup in chute                | Clean up build-up on cleaner and in chute  |
| Cleaner being pushed away from pulley | Cleaner tension not set correctly        | Ensure correct tension/increase tension slightly   |
|                                       | Sticky material is overburdening cleaner | Increase tension; replace with cleaner with metal tips; replace with larger size cleaner |
|                                       | Cleaner not set up correctly             | Confirm location dimensions are equal on both sides                                      |

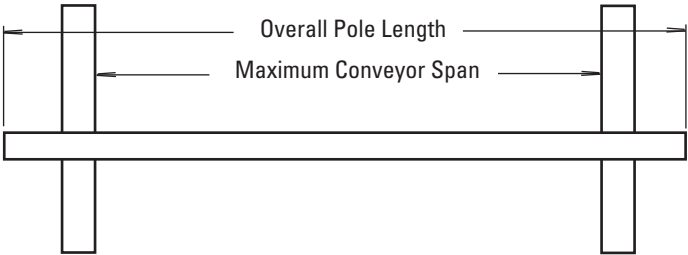
# Section 9 – Specs and CAD Drawings

## 9.1 Specifications and Guidelines

### Pole Length Specifications\*

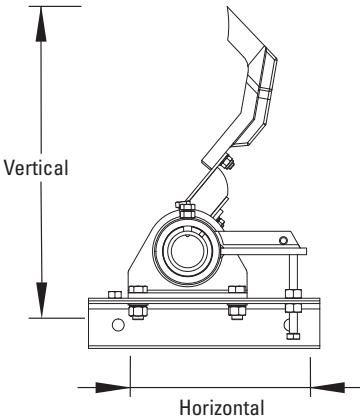
| CLEANER SIZE |     | POLE LENGTH |     | MAXIMUM CONVEYOR SPAN |     |
|--------------|-----|-------------|-----|-----------------------|-----|
| mm           | in. | mm          | in. | mm                    | in. |
| 450          | 18  | 1650        | 66  | 1400                  | 56  |
| 600          | 24  | 1800        | 72  | 1550                  | 62  |
| 750          | 30  | 1950        | 78  | 1700                  | 68  |
| 900          | 36  | 2100        | 84  | 1850                  | 74  |
| 1050         | 42  | 2250        | 90  | 2000                  | 80  |
| 1200         | 48  | 2400        | 96  | 2150                  | 86  |

\*For special extra long pole length requirements a Pole Extender Kit is available. Pole Diameter - 60 mm (2-3/5")



### Clearance Guidelines for Installation

| SUSPENSION ARM SIZE | HORIZONTAL CLEARANCE REQUIRED |     | VERTICAL CLEARANCE REQUIRED |        |
|---------------------|-------------------------------|-----|-----------------------------|--------|
|                     | mm                            | in. | mm                          | in.    |
| SS                  | 175                           | 7   | 229                         | 9      |
| S                   | 175                           | 7   | 279                         | 11     |
| M                   | 175                           | 7   | 318                         | 12-1/2 |



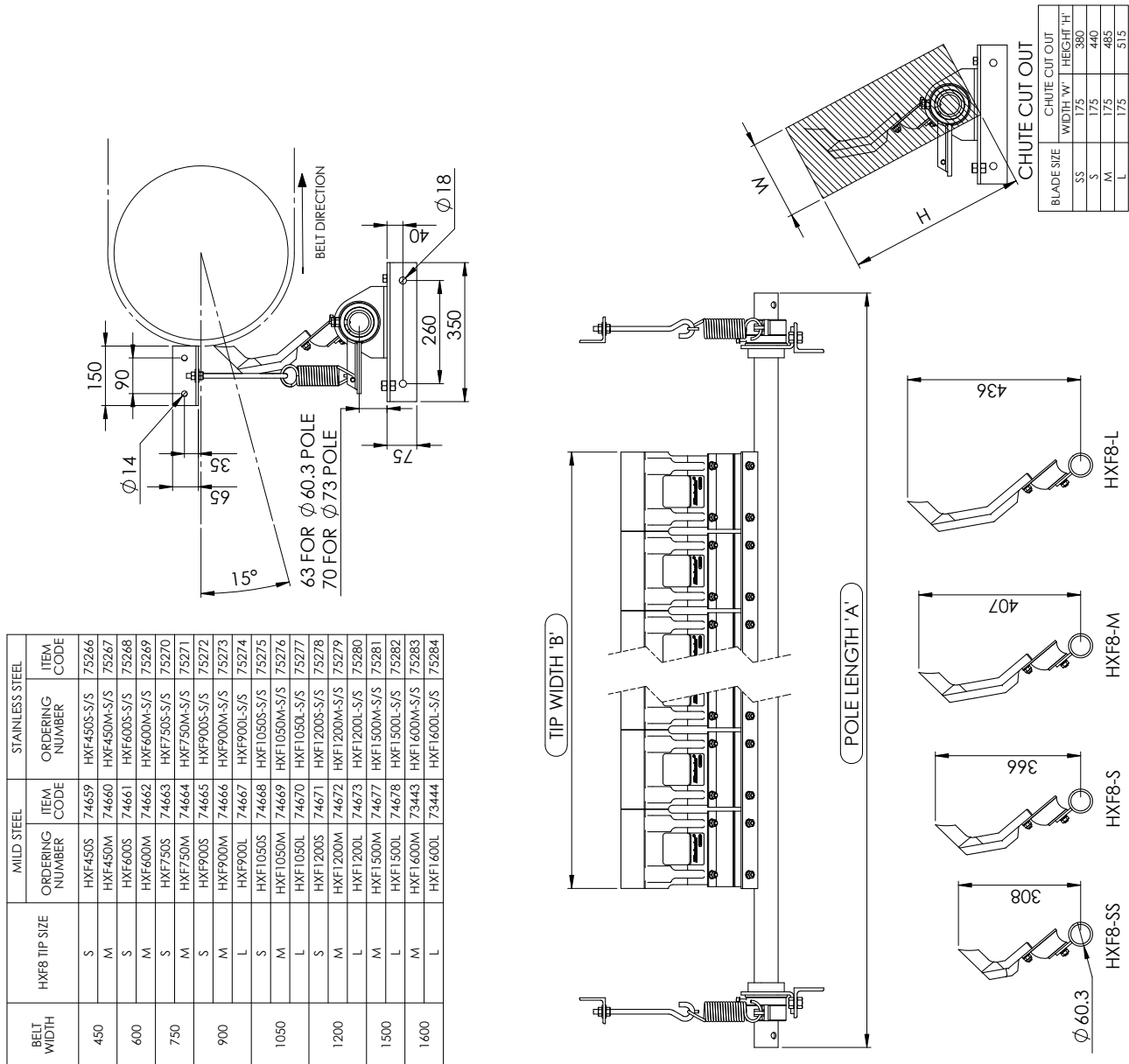
### Blade Specifications

| BLADE TYPE                           | HXF8-PURPLE                   | HXF8-BLUE                     | HXF2-PURPLE                   |
|--------------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Temperature Rating                   | -35 to 82°C<br>(-30 to 180°F) | -35 to 82°C<br>(-30 to 180°F) | -35 to 82°C<br>(-30 to 180°F) |
| Urethane                             | Yes                           | Yes                           | Yes                           |
| Durometer                            | 84                            | 84                            | 84                            |
| Tungsten Carbide                     | No                            | No                            | No                            |
| Compatible with Mechanical Fasteners | Yes                           | Yes                           | Yes                           |
| FRAS                                 | No                            | Yes                           | No                            |



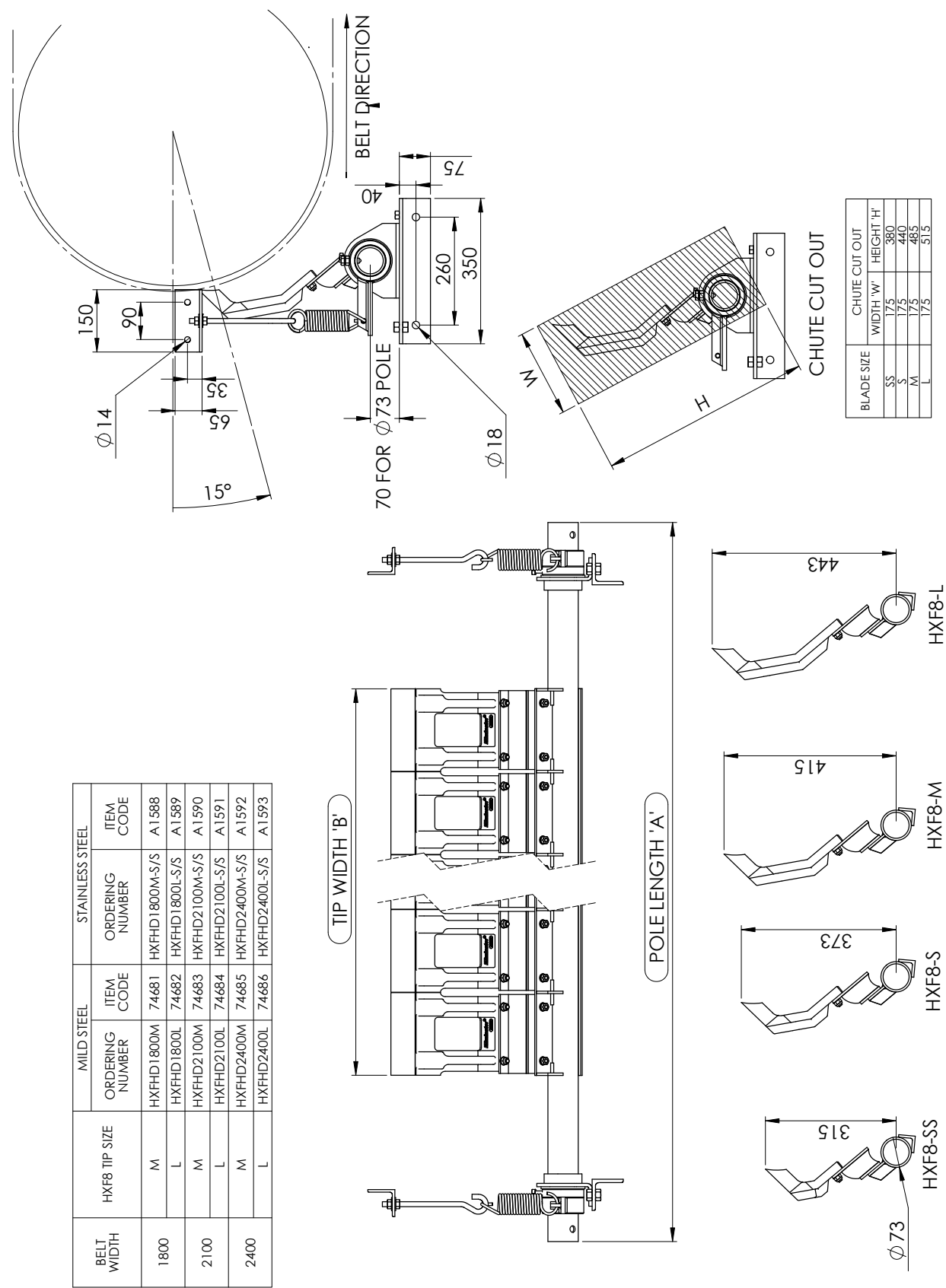
## Section 9 – Specs and CAD Drawings

### 9.2 CAD Drawing - H-Type® with XF Tips



Section 9 – Specs and CAD Drawings

9.3 CAD Drawing - H-Type® HD with XF Tips

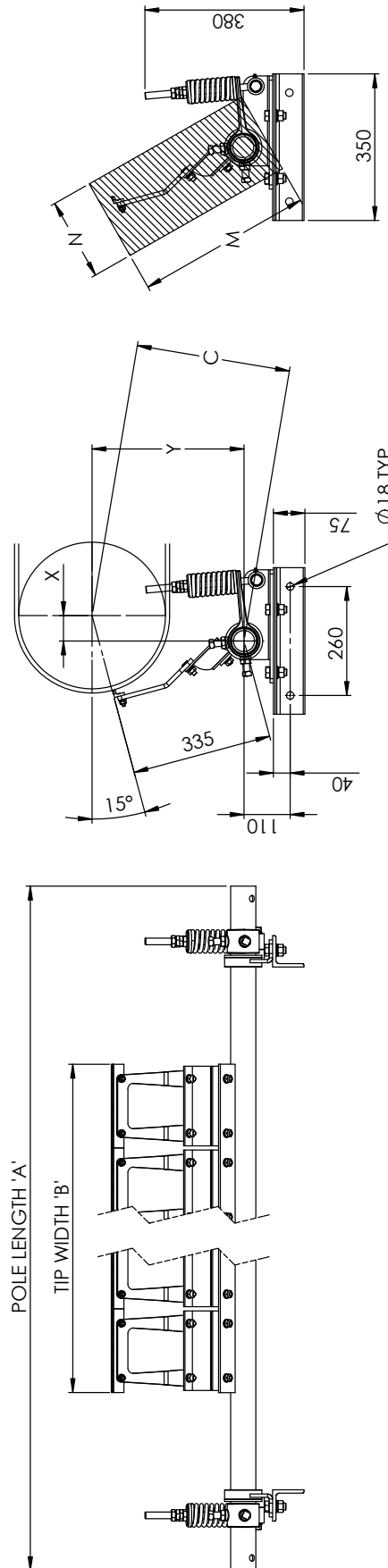
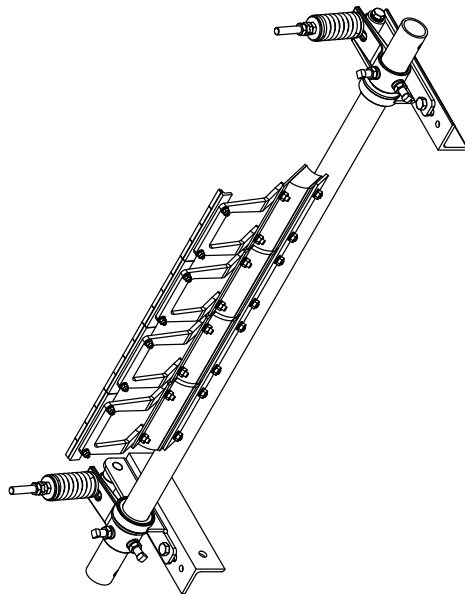


## Section 9 – Specs and CAD Drawings

### 9.4 CAD Drawing - H-Type® with PCST Tensioner

| BELT WIDTH | AR M SIZE | MILD STEEL    |           | STAINLESS STEEL   |           |
|------------|-----------|---------------|-----------|-------------------|-----------|
|            |           | ORDER NO.     | ITEM CODE | ORDER NO.         | ITEM CODE |
| 450        | SS        | HV450SS-PCST  | 63936     | HV450SS-PCST-S/S  | 63978     |
|            | S         | HV450S-PCST   | 63937     | HV450S-PCST-S/S   | 63979     |
|            | M         | HV450M-PCST   | 63938     | HV450M-PCST-S/S   | 63980     |
|            | LL        | HV450LL-PCST  | 63939     | HV450LL-PCST-S/S  | 63981     |
| 600        | SS        | HV600SS-PCST  | 63940     | HV600SS-PCST-S/S  | 63982     |
|            | S         | HV600S-PCST   | 63941     | HV600S-PCST-S/S   | 63983     |
|            | M         | HV600M-PCST   | 63942     | HV600M-PCST-S/S   | 63984     |
|            | LL        | HV600LL-PCST  | 63943     | HV600LL-PCST-S/S  | 63985     |
| 750        | SS        | HV750SS-PCST  | 63944     | HV750SS-PCST-S/S  | 63986     |
|            | S         | HV750S-PCST   | 63945     | HV750S-PCST-S/S   | 63987     |
|            | M         | HV750M-PCST   | 63946     | HV750M-PCST-S/S   | 63988     |
|            | LL        | HV750LL-PCST  | 63947     | HV750LL-PCST-S/S  | 63989     |
| 900        | SS        | HV900SS-PCST  | 63948     | HV900SS-PCST-S/S  | 63990     |
|            | S         | HV900S-PCST   | 64045     | HV900S-PCST-S/S   | 63991     |
|            | M         | HV900M-PCST   | 63950     | HV900M-PCST-S/S   | 63992     |
|            | LL        | HV900LL-PCST  | 63951     | HV900LL-PCST-S/S  | 63993     |
| 1050       | SS        | HV1050SS-PCST | 63952     | HV1050SS-PCST-S/S | 63994     |
|            | S         | HV1050S-PCST  | 63953     | HV1050S-PCST-S/S  | 63995     |
|            | M         | HV1050M-PCST  | 63954     | HV1050M-PCST-S/S  | 63996     |
|            | LL        | HV1050LL-PCST | 63955     | HV1050LL-PCST-S/S | 63997     |
| 1200       | SS        | HV1200SS-PCST | 63956     | HV1200SS-PCST-S/S | 63998     |
|            | S         | HV1200S-PCST  | 63957     | HV1200S-PCST-S/S  | 63999     |
|            | M         | HV1200M-PCST  | 63958     | HV1200M-PCST-S/S  | 64000     |
|            | LL        | HV1200LL-PCST | 63959     | HV1200LL-PCST-S/S | 64001     |
| 1500       | SS        | HV1500SS-PCST | 63960     | HV1500SS-PCST-S/S | 64002     |
|            | S         | HV1500S-PCST  | 63961     | HV1500S-PCST-S/S  | 64003     |
|            | M         | HV1500M-PCST  | 63962     | HV1500M-PCST-S/S  | 64004     |
|            | LL        | HV1500LL-PCST | 63963     | HV1500LL-PCST-S/S | 64005     |

\*\*FOR LARGER SIZES PLEASE CONTACT FLEXCO

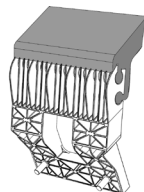


## Section 10 – Replacement Parts List

### 10.1 Replacement Parts List - XF Tips

#### XF2-Non-FRAS Tips

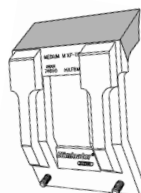
| SIZE | ORDERING NUMBER | COLOUR | ITEM CODE | WT. KG |
|------|-----------------|--------|-----------|--------|
| SS   | HXF2-SS         | Purple | 75979     | 1.5    |
| S    | HXF2-S          | Purple | 75980     | 1.5    |
| M    | HXF2-M          | Purple | 75981     | 1.5    |
| L    | HXF2-L          | Purple | 75982     | 2.0    |



Specially formulated, long-wearing urethane blade tip. Impact resistant, reinforced nylon base for rigidity and minimal deflection.

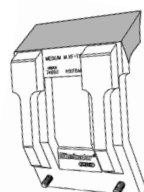
#### XF8-FRAS Tips

| SIZE | ORDERING NUMBER | COLOUR       | ITEM CODE | WT. KG |
|------|-----------------|--------------|-----------|--------|
| SS   | HXF8SS-Blue     | Blue & Black | 77518     | 2.0    |
| S    | HXF8S-Blue      | Blue & Black | 77519     | 2.0    |
| M    | HXF8M-Blue      | Blue & Black | 77520     | 2.0    |
| L    | HXF8L-Blue      | Blue & Black | 77521     | 2.5    |



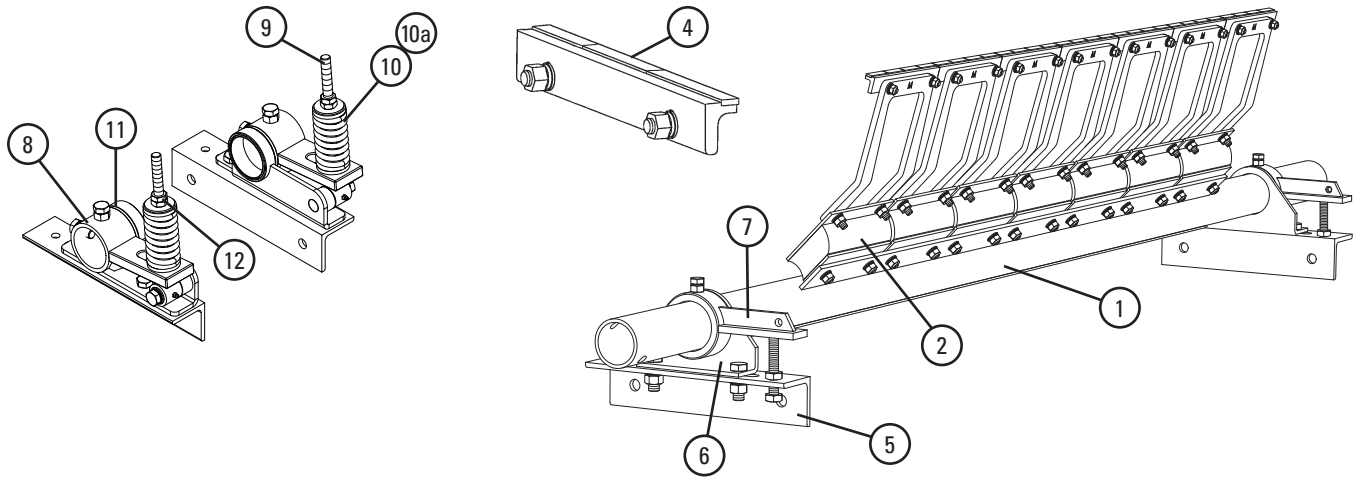
#### XF8-Non-FRAS Tips

| SIZE | ORDERING NUMBER | COLOUR | ITEM CODE | WT. KG |
|------|-----------------|--------|-----------|--------|
| SS   | HXF8SS          | Purple | 74307     | 1.5    |
| S    | HXF8S           | Purple | 74689     | 1.7    |
| M    | HXF8M           | Purple | 74690     | 1.8    |
| L    | HXF8L           | Purple | 74691     | 2.0    |



# Section 10 – Replacement Parts List

## 10.2 Replacement Parts List - H-Type®



### Replacement Parts

| REF  | DESCRIPTION   | BELT WIDTH |     | POLE LENGTH |     | POWDER COATED   |           |        | STAINLESS STEEL |           |
|--|---|------------|-----|-------------|-----|-----------------|-----------|--------|-----------------|-----------|
|  |   | mm         | in. | mm          | in. | ORDERING NUMBER | ITEM CODE | WT. KG | ORDERING NUMBER | ITEM CODE |
| 1  | H-Type Pole Standard - 60 mm (2-3/8") Pole Diameter                         | 450        | 18  | 1250        | 50  | HP450           | 73027     | 10.0   | HP450-S/S       | 75373     |
|  |   | 600        | 24  | 1350        | 54  | HP600           | 73029     | 11.0   | HP600-S/S       | 75374     |
|  |   | 750        | 30  | 1500        | 60  | HP750           | 73031     | 13.0   | HP750-S/S       | 75375     |
|  |   | 900        | 36  | 1650        | 66  | HP900           | 73033     | 15.0   | HP900-S/S       | 75376     |
|  |   | 1050       | 42  | 1800        | 72  | HP1050          | 73035     | 20.0   | HP1050-S/S      | 75377     |
|  |   | 1200       | 48  | 1950        | 78  | HP1200          | 73037     | 22.0   | HP1200-S/S      | 75378     |
|  | H-Type Pole Standard - 73 mm (2-7/8") Pole Diameter                         | 1500       | 60  | 2350        | 94  | HP1500          | 73066     | 24.0   | HP1500-S/S      | 75379     |
|  |   | 1600       | 64  | 2450        | 98  | HP1600          | 73739     | 27.0   | HP1600-S/S      | 75380     |
|  | H-Type Pole Heavy-Duty - 73 mm (2-7/8") Pole Diameter (braced and gusseted) | 1800       | 72  | 2650        | 106 | HPHD1800        | 74601     | 34.0   | HPHD1800-S/S    | A2063     |
|  |   | 2100       | 84  | 2950        | 118 | HPHD2100        | 74547     | 39.0   | HPHD2100-S/S    | A1783     |
|  |   | 2400       | 96  | 3250        | 130 | HPHD2400        | 74548     | 43.5   | HPHD2400-S/S    | A2958     |
| 2  | Cushion   |            |     |             |     | HSA             | 73486     | 2.0    | HVC-S/S         | 73494     |
|  | Heavy-Duty Cushion  |            |     |             |     | HSKD            | 73483     | 2.0    | HSKS-S/S        | 76467     |
| 3  | H Polyshield (Not shown)  |            |     |             |     | HPS8            | 73050     | 1.0    | HSTSS           | 74771     |
| 4  | V-Tip   |            |     |             |     | HSA200          | 73489     | 0.5    | HVT8-S/S        | 75419     |
|  |   |            |     |             |     |                 |           |        | HVPT-S/S        | 73631     |
| SIDE MOUNTING ASSEMBLY COMPONENTS - TO SUIT 60 mm (2-3/8") |   |            |     |             |     |                 |           |        |                 |           |
| 5  | H Mounting Bracket  |            |     |             |     | HDMRK           | 74582     | 2.0    | HDMRK-S/S       | 76245     |
| 6  | H Bearing   |            |     |             |     | HBRK            | 73068     | 1.5    | HBRK-S/S        | 75422     |
| 7  | H Adjusting Arm   |            |     |             |     | HARK            | 73069     | 1.5    | HARK-S/S        | 75423     |
| 8  | Torque Arm Kit  |            |     |             |     | ESTAK-EST       | 76406     | 2.0    | ESTAK-EST-S/S   | 78849     |
| 9  | Acme Pivot Rod Kit  |            |     |             |     | ACME-PRK        | 62496     | 1.5    | ACME-PRK        | 62496     |
| 10   | Spring Bush Kit - Black and Gold  |            |     |             |     | HCSSB-B/G       | 62589     | 0.1    | HCSSB-B/G       | 62589     |
| 11   | Pole Bearing Bush   |            |     |             |     | HCBB-60         | 62513     | 0.1    | HCBB-60         | 62513     |
| 12   | Acme Nut  |            |     |             |     | ACME-N          | 62591     | 0.1    | ACME-N          | 62591     |
| SIDE MOUNTING ASSEMBLY COMPONENTS - TO SUIT 73 mm (2-7/8") |   |            |     |             |     |                 |           |        |                 |           |
| 5  | H Mounting Bracket  |            |     |             |     | HDMRK           | 74582     | 3.0    | HDMRK-S/S       | 76245     |
| 6  | H Bearing   |            |     |             |     | HBRKX           | 74549     | 2.0    | HBRKX-S/S       | 76246     |
| 7  | H Adjusting Arm   |            |     |             |     | HDARK           | 74550     | 2.0    | HDARK-S/S       | 76247     |
| 8  | Torque Arm Kit  |            |     |             |     | HCSTAK          | 62494     | 2.0    | HCSTAK-S/S      | 62495     |
| 9  | Acme Pivot Rod Kit  |            |     |             |     | ACME-PRK        | 62496     | 1.5    | ACME-PRK        | 62496     |
| 10   | Spring Bush Kit - Black and Gold  |            |     |             |     | HCSSB-B/G       | 62589     | 0.1    | HCSSB-B/G       | 62589     |
| 10a  | Spring Bush Kit - Silver  |            |     |             |     | HCSSB-S         | 62590     | 0.1    | HCSSB-S         | 62590     |
| 11   | Pole Bearing Bush   |            |     |             |     | HCBB-73         | 62514     | 0.1    | HCBB-73         | 62514     |
| 12   | Acme Nut  |            |     |             |     | ACME-N          | 62591     | 0.1    | ACME-N          | 62591     |

Shaded items are made to order.  
Contact for lead time.

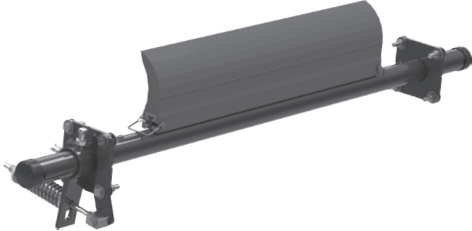


## Section 11 – Other Flexco Conveyor Products

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Flexco provides many conveyor products that help your conveyors to run more efficiently and safely. These components solve typical conveyor problems and improve productivity. Here is a quick overview on just a few of them:

### EZP1 Primary Cleaner



- Patented ConShear™ blade renews its cleaning edge as it wears
- Visual Tension Check™ for optimal blade tensioning and simple retensioning.
- Quick and easy one-pin blade replacement Material Path Option™ for optimal cleaning and reduced maintenance.

### Flexco Slider/Impact Beds



- Adjusting troughing angles for easy installation and adjustability.
- Long-wearing UHMW for sealing the load zone.
- Offered in both Light & Medium duty designs to affordably fit your application.

### MHS Secondary Cleaner



- Long-wearing tungsten carbide blades for superior cleaning efficiency.
- Patented FormFlex™ cushions independently tension each blade to the belt for consistent, constant cleaning power.
- Easy to install, simple to service.
- Works with Flexco mechanical belt splices.

### PT Max™ Belt Trainer



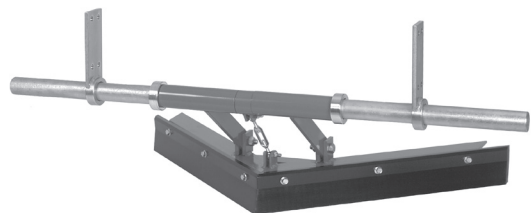
- Patented “pivot & tilt” design for superior training action.
- Dual sensor rollers on each side to minimise belt damage.
- Pivot point guaranteed not to freeze or seize up.
- Available for topside and return side belts.

### Flexco Specialty Belt Cleaners



- “Limited space” cleaners for tight conveyor applications.
- Cleaners for severe, high heat applications.
- A rubber fingered cleaner for chevron and raised rib belts.
- Multiple cleaner styles in stainless steel for corrosive applications.

### Belt Ploughs



- A belt cleaner for the tail pulley.
- Exclusive blade design quickly spirals debris off the belt.
- Economical and easy to service.
- Available in vee or diagonal models.

Visit [www.flexco.com](http://www.flexco.com) for other Flexco locations and products, or to find an authorised distributor.

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