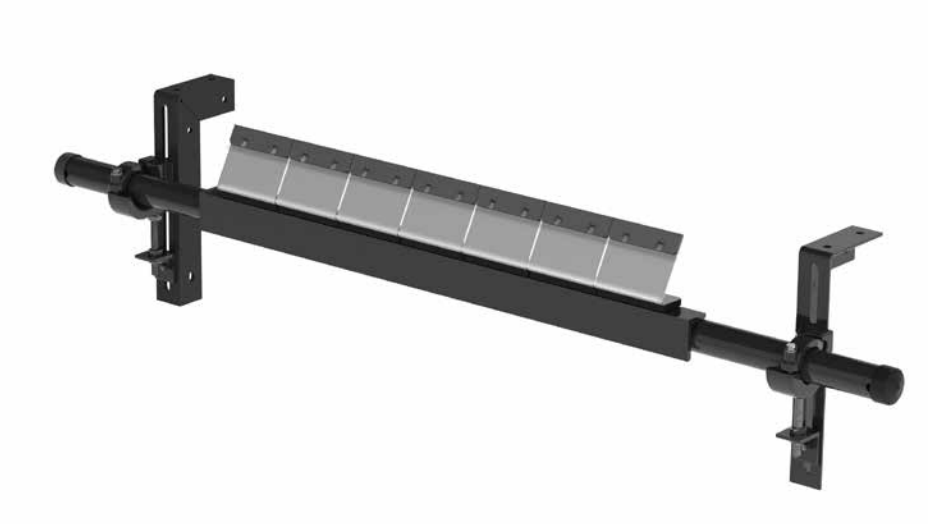
# EZS2 Secondary Belt Cleaner

## Installation, Operation and Maintenance Manual





FLEXCO

# Rockline® EZS2 Secondary Belt Cleaner

Serial Number: _____

Purchase Date:_____

Purchased From: _____

Installation Date: _____

Serial number information can be found on the Serial Number Label included in the Information Packet found in the cleaner carton.

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

# Table of Contents

# Section 1 – Important Information

## 1.1 General Introduction

We at Flexco are very pleased that you have selected an EZS2 Secondary Belt Cleaner 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:

**Web site: Flexco.com**

**Customer Service: USA: 1-800-541-8028**

**Visit 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 labor
- Lower maintenance budget costs
- Increased service life for the belt cleaner and other conveyor components

## 1.3 Service Option

The EZS2 Secondary Belt Cleaner 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 EZS2 Secondary Belt Cleaner, 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 OSHA/MSHA Lockout/Tagout (LOTO) regulations, 9 CFR 1910.147, be followed before undertaking the preceding activities. Failure to use LOTO exposes workers to uncontrolled behavior 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
- Disengage any takeups
- 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 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. Unforseeable belt projections and tears can catch on cleaners and cause violent movements of the cleaner structure. Flailing hardware can cause serious injury or death.

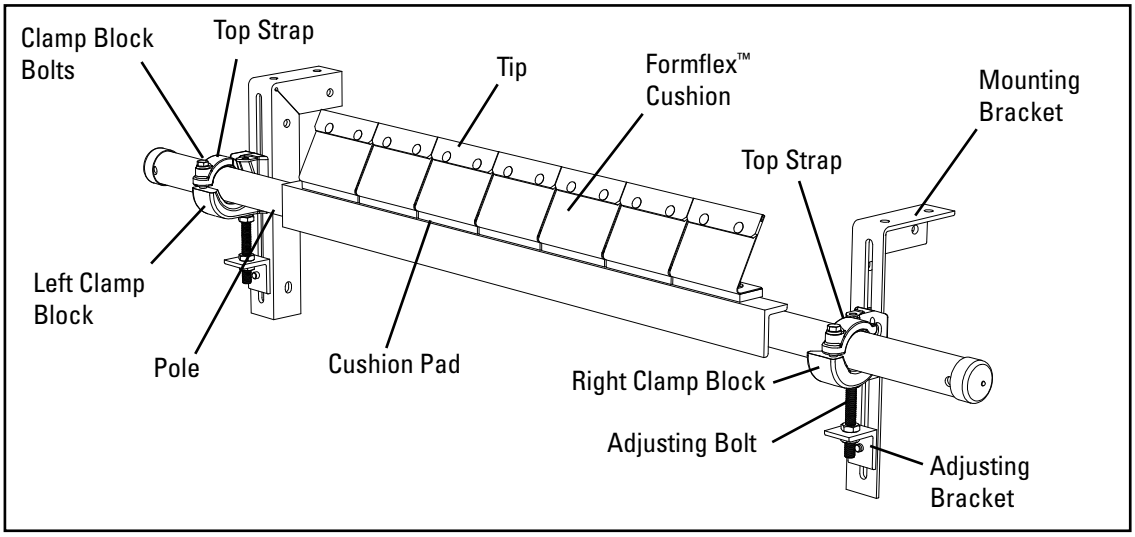
# Section 3 – Pre-installation Checks and Options

## 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

# Section 4 – Installation Instructions

## 4.1 EZS2 Secondary Belt Cleaner




***Physically lock out and tag the conveyor at the power source before you begin cleaner installation.***

### Tools Needed:

- Tape measure
- (2) 3/4"(19mm) wrench or crescent wrench

1. **Install the mounting brackets.** Determine the correct clamp block (left or right) and bracket needed for each side of the conveyor. The top strap should be offset away from the belt (you should be able to see the notch for the top strap from the outside of the conveyor). (Fig. 1a). Position the mounting bracket to locate the cleaner pole centerline 7" (175mm) below the beltline. The pole must be installed so the blades do not touch the belt. Positioning the brackets perpendicular to the belt is recommended (Fig.1b).

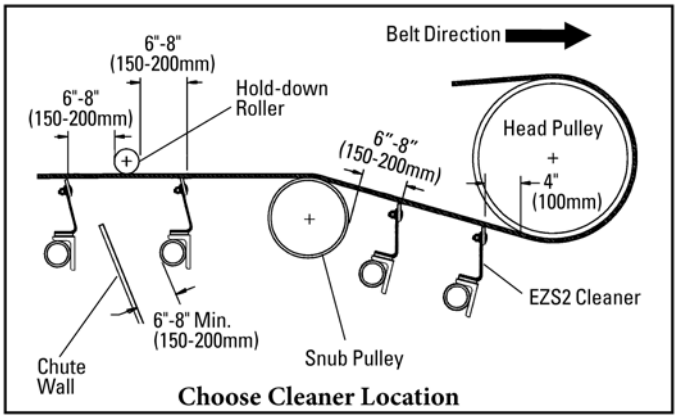



**Fig. 1a**

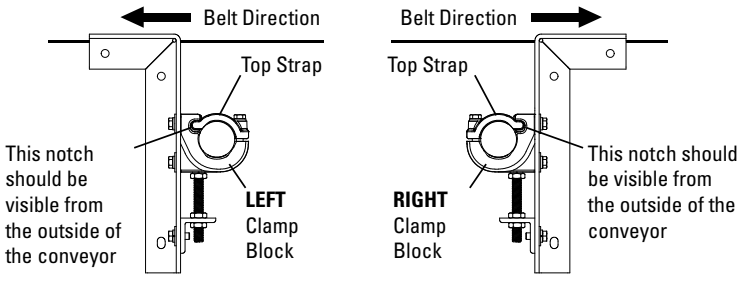
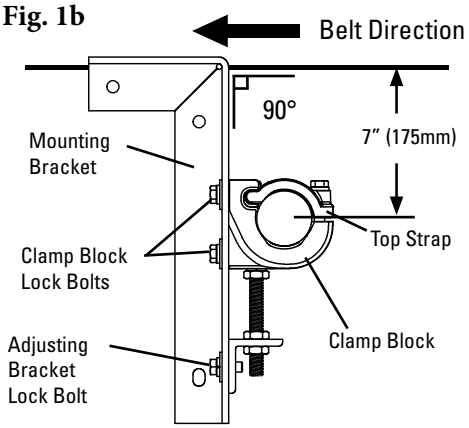



**Fig. 1b**



# Section 4 – Installation Instructions

## 4.1 EZS2 Secondary Belt Cleaner (cont.)

**Fig. 2**

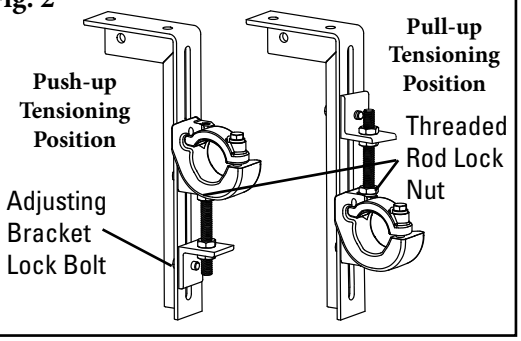



**Fig. 3**

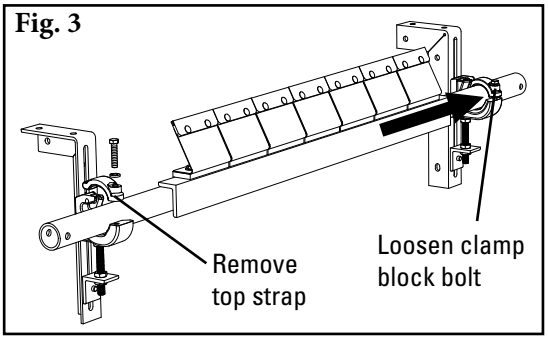



**Fig. 4**

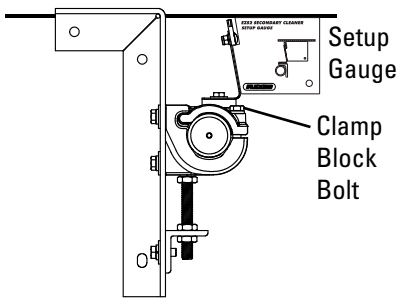



**Fig. 5**

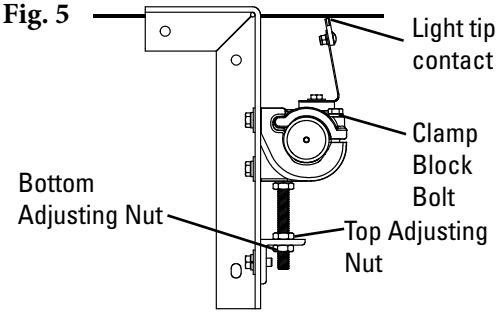
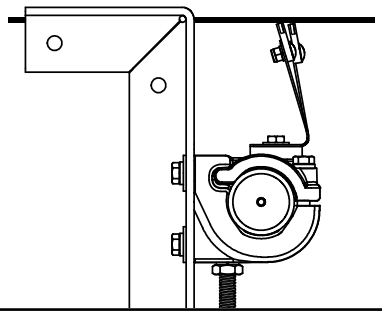



**Fig. 6**



2. **Choose the tensioner position.** The tensioner is shipped mounted in the push-up position. Depending upon the space constraints of the installation, the tensioner can be optionally mounted in a pull-up position. To do this, loosen the threaded rod lock nut, unscrew the threaded rod and remove adjusting bracket lock bolt. Then move the adjusting bracket and threaded rod to the top of the clamp blocks (Fig. 2) and tighten threaded rod lock nut.

3. **Install the pole.** Remove the clamp block top strap on one side, and on the opposite side loosen the clamp block bolt. Slide the pole across and into the loosened clamp block, replace the top strap on the clamp block, center the blades on the belt and tighten both clamp block bolts finger tight.

4. **Set the blade angle.** With the gauge provided, rotate the pole so the blades are set at the correct angle. Lock the pole in place by tightening the clamp block bolts (Fig. 4).

5. **Set the blade tension.** Loosen the 4 clamp block lock bolts (on the back of the mounting brackets) and turn the top adjusting jam nut on each side until the blades make light contact across the entire width of the belt. Make an additional 1 full turn on the adjusting nuts to tension the blades. Tighten the bottom adjusting nuts and the clamp block bolts (Fig. 5).

6. **Check the blade tension.** Pull back on the outside blade until it breaks contact with the belt and release (Fig.6). If the blades are correctly tensioned, the complete tip of the adjacent blade will be visible. If it is not, make a tension adjustment as instructed in Step 5.

**Test run the cleaner and inspect the performance.** If vibration occurs, the pole can be rotated to lay the cushion/blade back another 5° to 10° and then the blades must be retensioned. If more cleaning efficiency is desired, the blade tension can be increased in 1/4 turns on the adjusting nuts (see Step 5).

# Section 5 – Pre-Operation Checklist and Testing

## 5.1 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

## 5.2 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 6 – Maintenance

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 EZS2 Secondary Belt 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.

## 6.1 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.

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

A visual inspection of the cleaner and belt can determine:

- If adjusting brackets are set for optimal tensioning.
- 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.
- Significant signs of carryback.

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

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

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

- Clean material buildup off of 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 using the steps on page 6
- When maintenance tasks are completed, test run the conveyor to ensure the cleaner is performing properly.

## 6.4 Blade Replacement Instructions

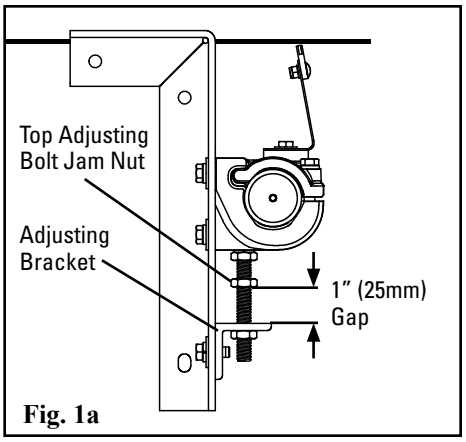


**Fig. 1a**

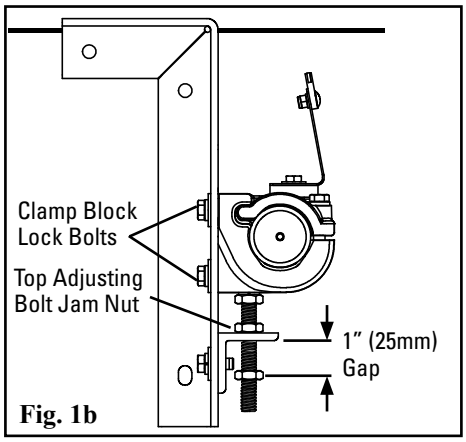


**Fig. 1b**

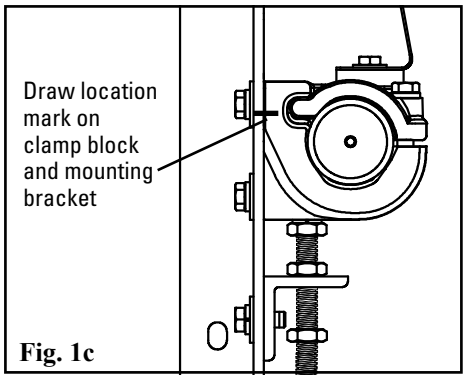


**Fig. 1c**

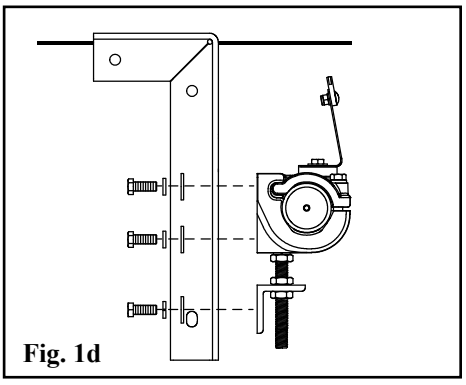


**Fig. 1d**

### BEFORE YOU BEGIN:

**PHYSICALLY LOCK OUT AND TAG THE CONVEYOR AT THE POWER SOURCE.**

**1. Release the blade tension and remove worn blade tips.**

a. Loosen and turn the top adjusting bolt jam nuts 1" (25mm) above the tops of the adjusting brackets (Fig. 1a).

b. Loosen the clamp block lock bolts on both sides and allow the pole to move down and rest on the raised top adjusting bolt jam nuts (Fig. 1b).

c. Place location marks across the mounting bracket and the clamp block for quick repositioning after blade replacement (Fig. 1c).

d. Remove the clamp block lock bolts and adjusting bracket lock bolts on each side and remove the pole with the clamp blocks and adjusting brackets attached (Fig. 1d).

e. Remove the nuts, flat washers and lock washers from the tips and remove the worn tips (Fig. 1e).

f. Insert new blade tips and install flat washers, lock washers and nuts finger tight. Buff the outside corners of the last tip on each side of the cleaner (Fig. 1f).

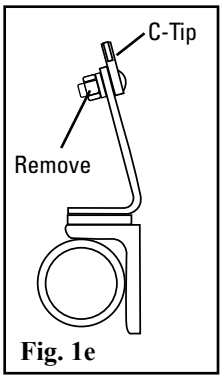


**Fig. 1e**

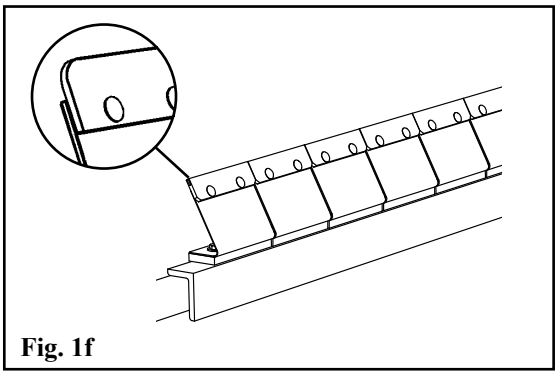


**Fig. 1f**

## 6.4 Blade Replacement Instructions (C-Tips) (cont.)

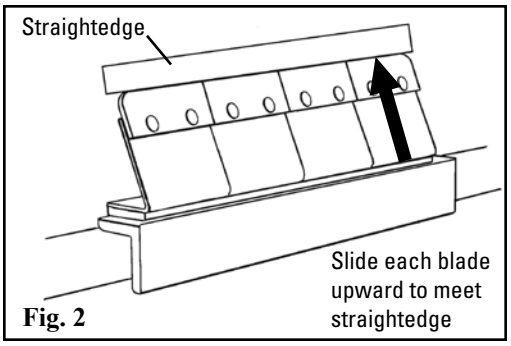


Fig. 2

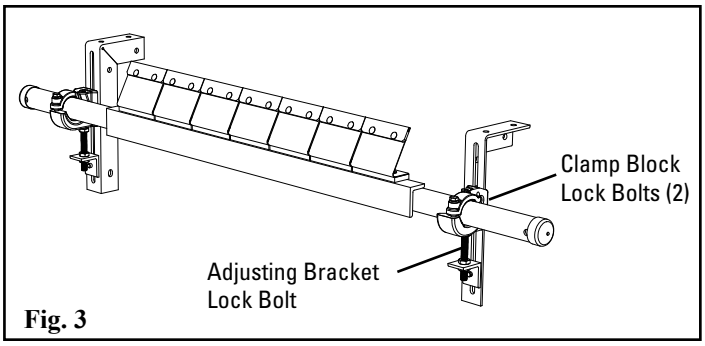


Fig. 3

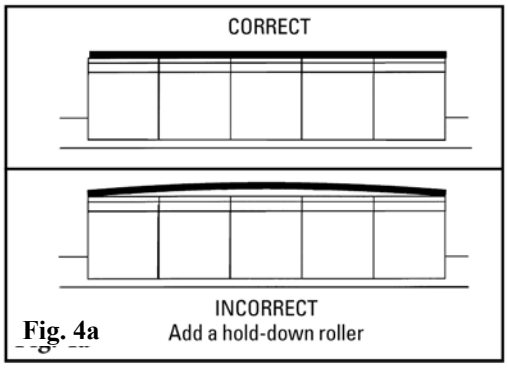


Fig. 4a

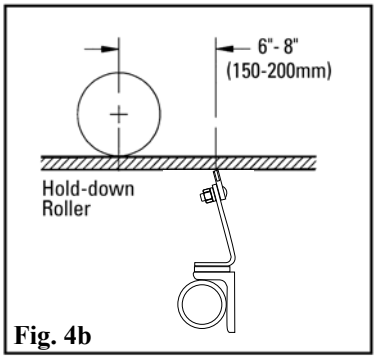


Fig. 4b

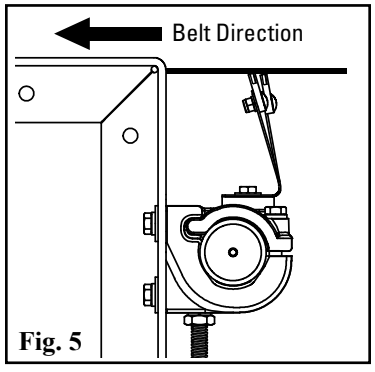


Fig. 5

2. **Align the blade tips.** Push tips together so there is no more than a .010" to .015" gap between them. Position a straightedge along the top surface of new blade tips. Pull upward on each blade to align with the bottom of the straightedge and tighten the nuts (Fig. 2).

3. **Reinstall the pole.** Slide the pole back into position on the mounting brackets, aligning the marks made on the bracket and clamp block. Install the two adjusting bracket lock bolts and tighten. Install the four clamp block lock bolts finger tight (Fig. 3).

4. **Set the blade tension.** Turn the top adjusting bolt jam nuts down until light tip to belt contact is made across the entire width of the cleaner. Add an additional 1½ turns on the top adjusting bolt jam nuts and lock the bottom adjusting bolt jam nuts. Tighten all clamp block lock bolts.

   **NOTE:** If the belt is cupped, do not overtension the blades to contact the belt. A hold-down roller should be installed to flatten the belt (Fig. 4a and 4b). (Try the Stabilizing Return Roller or Stabilizing Roller Bracket Kit).

5. **Check the blade tip tension.** Pull back on the outer blade in the direction of belt travel until the blade breaks contact with the belt. Let go of the blade. With correct tension the full thickness of the adjacent blade tip should be visible in front of the outer blade (Fig. 5). Also check the center blade in same manner. Add tension in 1/2-turn increments on the top adjusting bolt jam nuts until view of full thickness of the adjacent blade tip is achieved.

6. **Test run cleaner and inspect operation.** If vibration occurs, increase tip tension by making 1/2-turn adjustments.

## 6.5 Maintenance Log

Conveyor Name/No. _____

Date: _____ Work done by: _____ Service Quote # _____

Activity: _____

---

Date: _____ Work done by: _____ Service Quote # _____

Activity: _____

---

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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# Section 6 – Maintenance

## 6.6 Cleaner Maintenance Checklist

**Site:** _____ **Inspected by:** _____ **Date:** _____

**Belt Cleaner:** _____ **Serial Number:** _____

**Beltline Information:**
Beltline Number: _____ Belt Condition: _____

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

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 ☐ Not contacting belt ☐ Damaged

Measurement of spring: Required _____ Currently _____

**Was Cleaner Adjusted:** ☐ Yes ☐ No

**Pole Condition:** ☐ Good ☐ Bent ☐ Worn

**Lagging:** ☐ Slide 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:** _____

_____

_____

_____

_____

# Section 7 – Troubleshooting

| Problem | Possible Cause | Possible Solutions |
|---|---|---|
| Vibration | Cleaner secure bolts not set | Ensure all locking nuts are tight (Loctite) |
| | Cleaner not set up correctly | Ensure cleaner set up properly (1°-3° into belt) |
| | Belt tension too high | Ensure cleaner can conform to belt, or replace with alternate Flexco secondary cleaner |
| | Belt flap | Introduce hold-down roller to flatten belt |
| | Cleaner over-tensioned | Ensure cleaner is correctly tensioned |
| | Cleaner under-tensioned | Ensure cleaner is correctly tensioned |
| Material buildup on cleaner | Cleaner not set up correctly | Ensure cleaner set up properly (1°-3° into belt) |
| | Buildup on chute | Ensure cleaner is not located too close to back of chute, allowing buildup |
| | Cleaner being overburdened | Introduce Flexco precleaner |
| | Excessive sticky material | Frequently clean unit of buildup |
| Damaged belt cover | Cleaner over-tensioned | Ensure cleaner is correctly tensioned |
| | Cleaner blade damage | Check blade for wear, damage and chips, replace where necessary |
| | Attack angle not correct | Ensure cleaner set up properly (1°-3° into belt) |
| | Material buildup in chute | Frequently clean unit of buildup |
| Cleaner not conforming to belt | Cleaner not set up correctly | Ensure cleaner set up properly (1°-3° into belt) |
| | Belt tension too high | Ensure cleaner can conform to belt, or replace with alternate Flexco secondary cleaner |
| | Belt flap | Introduce hold-down roller to flatten belt |
| | Cleaner cannot conform | Ensure cleaner can conform to belt, or replace with alternate Flexco secondary cleaner |
| Material passing cleaner | Cleaner not set up correctly | Ensure cleaner set up properly (1°-3° into belt) |
| | Cleaner tension too low | Ensure cleaner is correctly tensioned |
| | Cleaner blade worn/damaged | Check blade for wear, damage and chips, replace where necessary |
| | Cleaner being overburdened | Introduce Flexco precleaner |
| | Belt flap | Introduce hold-down roller to flatten belt |
| | Belt wear | |
| | Cleaner cannot conform | Ensure cleaner can conform to belt, or replace with alternate Flexco secondary cleaner |
| | Blade in backwards | Install blade correctly and set correct tension |
| Damage to mechanical fastener | Incorrect cleaner blade selection | Change blade type to accomodate fastener style (C or V) |
| | Belt not skived correctly | Spot and redo splice correctly, lowering the profile flush or below belt surface |
| Missing material in belt center only | Cleaner pole located too high | Ensure cleaner set up properly (1°-3° into belt) |
| | Cleaner blade worn/damaged | Check blade for wear, damage and chips, replace where necessary |
| Missing material on outer edges only | Cleaner pole located too low | Ensure cleaner set up properly (1°-3° into belt) |
| | Cleaner blade worn/damaged | Check blade for wear, damage and chips, replace where necessary |

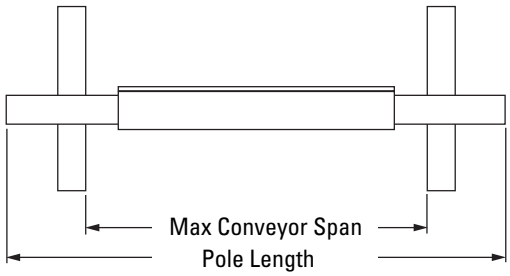
# Section 8 – Specs and CAD Drawings

## 8.1 Specifications and Guidelines

**Pole Length Specifications**

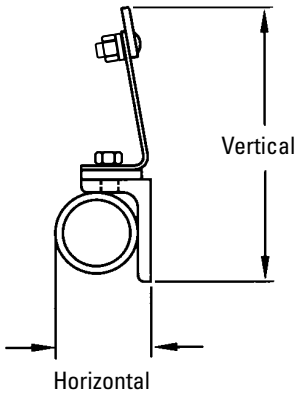
| Belt Width | | Blade Width | | Pole Length | | Maximum Conveyor Span | |
|---|---|---|---|---|---|---|---|
| in. | mm | in. | mm | in. | mm | in. | mm |
| 18 | 450 | 18 | 450 | 52 | 1300 | 47 | 1175 |
| 24 | 600 | 24 | 600 | 58 | 1450 | 53 | 1325 |
| 30 | 750 | 30 | 750 | 64 | 1600 | 59 | 1475 |
| 36 | 900 | 36 | 900 | 70 | 1750 | 65 | 1625 |
| 42 | 1050 | 42 | 1050 | 76 | 1900 | 71 | 1775 |
| 48 | 1200 | 48 | 1200 | 82 | 2050 | 77 | 1925 |
| 54 | 1350 | 54 | 1350 | 88 | 2200 | 83 | 2075 |
| 60 | 1500 | 60 | 1500 | 94 | 2350 | 89 | 2225 |
| 72 | 1800 | 72 | 1800 | 106 | 2650 | 101 | 2525 |

Pole Diameter - 2 3/8" (60mm)




**Clearance Guidelines for Installation**

| Horizontal Clearance Required | | Vertical Clearance Required | |
|---|---|---|---|
| in. | mm | in. | mm |
| 4 | 100 | 8 1/2 for 18"-54" | 213 |
| | | 9 1/2 for 60"-72" | 238 |

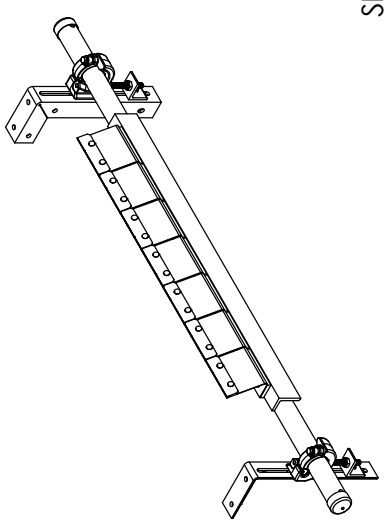


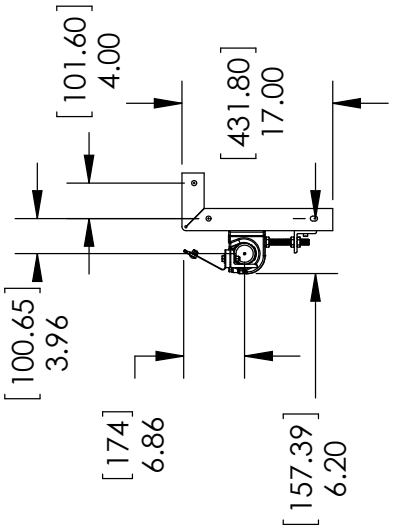

Specifications:

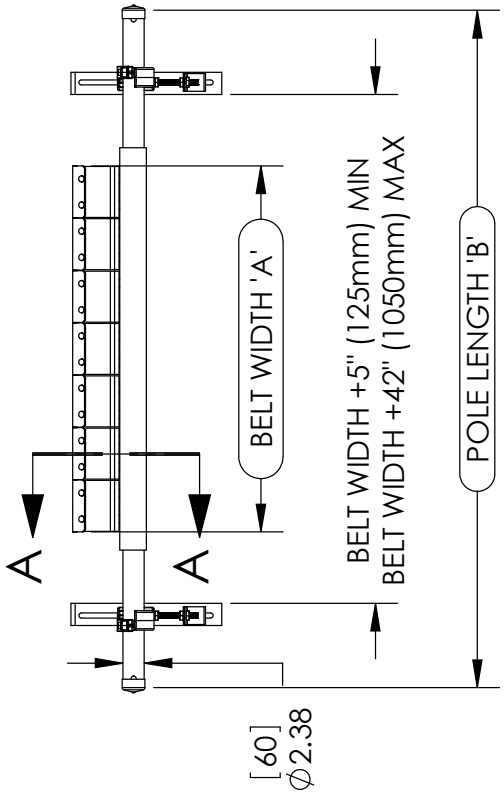
- Maximum Belt Speed.....700 FPM (3.5M/sec)
- Temperature Rating.....-30°F to 200°F (-35°C to 93°C)
  HT.....-30°F to 400°F (-35°C to 205°C)
- Usable Blade Wear Length.....3/8" (9mm)
- Blade Material.....Impact Resistant Tungsten Carbide (works with mechanical fasteners)
- Available for Belt Widths.....18" to 72" (450 to 1800mm)
- CEMA Cleaner Rating.....Class 3

*U.S. Patent No. 6,823,983*

## 8.2 CAD Drawing – EZS2 with C-Tips

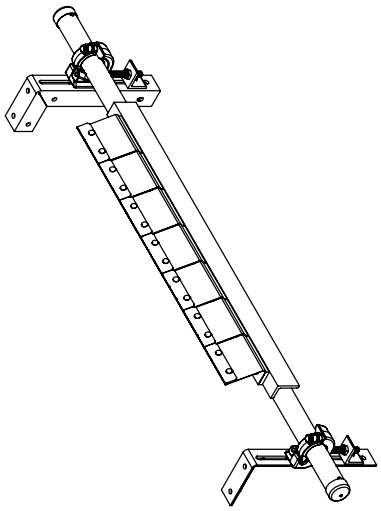


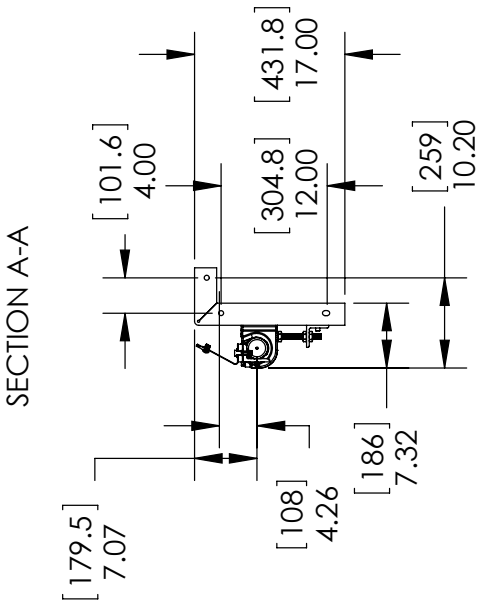


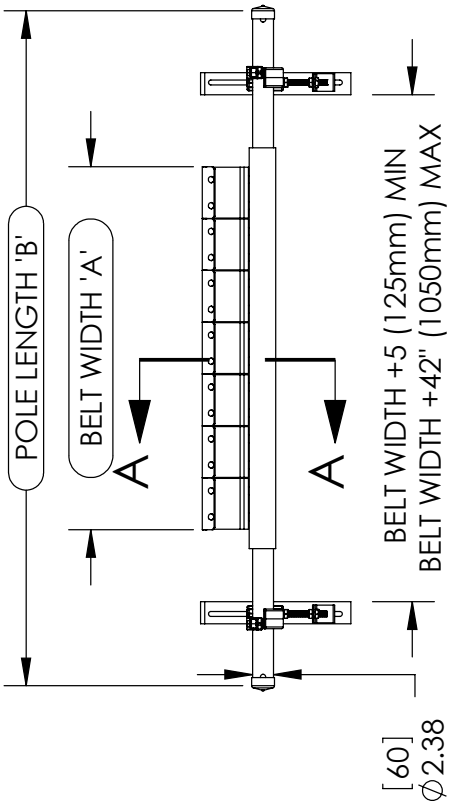

| SPECIFICATIONS | | | EZS2 SECONDARY CLEANER | | |
|---|---|---|---|---|---|
| BELT WIDTH 'A' (in) | (mm) | POLE LENGTH 'B' (in) | (mm) | NUMBER OF TIPS | ORDER NUMBER | ITEM CODE |
| 18 | 450 | 52 | 1300 | 3 | EZS2-18 | 75643 |
| 24 | 600 | 58 | 1450 | 4 | EZS2-24 | 75644 |
| 30 | 750 | 64 | 1600 | 5 | EZS2-30 | 75645 |
| 36 | 900 | 70 | 1750 | 6 | EZS2-36 | 75646 |
| 42 | 1050 | 76 | 1900 | 7 | EZS2-42 | 75647 |
| 48 | 1200 | 82 | 2050 | 8 | EZS2-48 | 75648 |
| 54 | 1350 | 88 | 2200 | 9 | EZS2-54 | 75649 |
| 60 | 1500 | 94 | 2350 | 10 | EZS2-60 | 75650 |
| 72 | 1800 | 106 | 2650 | 12 | EZS2-72 | 75651 |

## 8.2 CAD Drawing – EZS2 Hi Temp

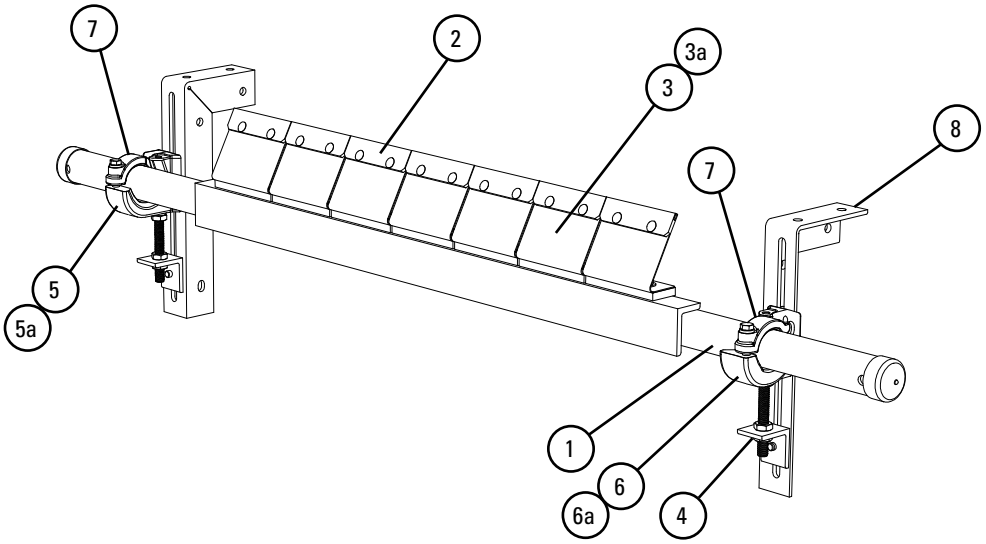





| SPECIFICATIONS | | | | EZS2 SECONDARY CLEANER | |
|---|---|---|---|---|---|
| BELT WIDTH 'A' (in) | (mm) | POLE LENGTH 'B' (in) | (mm) | NUMBER OF TIPS | ORDER NUMBER | ITEM CODE |
| 18 | 450 | 52 | 1300 | 3 | HTS18 | 76085 |
| 24 | 600 | 58 | 1450 | 4 | HTS24 | 76086 |
| 30 | 750 | 64 | 1600 | 5 | HTS30 | 76087 |
| 36 | 900 | 70 | 1750 | 6 | HTS36 | 76088 |
| 42 | 1050 | 76 | 1900 | 7 | HTS42 | 76089 |
| 48 | 1200 | 82 | 2050 | 8 | HTS48 | 76090 |
| 54 | 1350 | 88 | 2200 | 9 | HTS54 | 76091 |
| 60 | 1500 | 94 | 2350 | 10 | HTS60 | 76092 |
| 72 | 1800 | 106 | 2650 | 12 | HTS72 | 76093 |



# Section 9 – Replacement Parts




## Replacement Parts

| Ref | Description | Ordering Number | Item Code | Wt. Lbs. |
|---|---|---|---|---|
| 1 | 18" (450mm) Pole | EZS2P18 | 75652 | 25.0 |
| | 24" (600mm) Pole | EZS2P24 | 75653 | 28.0 |
| | 30" (750mm) Pole | EZS2P30 | 75654 | 30.0 |
| | 36" (900mm) Pole | EZS2P36 | 75655 | 34.0 |
| | 42" (1050mm) Pole | EZS2P42 | 75656 | 36.0 |
| | 48" (1200mm) Pole | EZS2P48 | 75657 | 39.0 |
| | 54" (1350mm) Pole | EZS2P54 | 75658 | 42.0 |
| | 60" (1500mm) Pole | EZS2P60 | 75659 | 77.0 |
| | 72" (1800mm) Pole | EZS2P72 | 75660 | 89.0 |
| 2 | C-Tip Kit* (1 ea.) | ICT6 | 74535 | 0.7 |
| 3 | FormFlex™ Cushion Kit* (incl. 1 cushion & 1 pad) | FFCK | 75661 | 1.5 |
| 3a | High Temp Replacement Cushion Kit (incl. 1 cushion & 1 pad) | HTSCK | 76094 | 1.5 |
| 4 | Adjusting Bracket Kit* (1 ea.) | PAB | 75513 | 1.5 |
| 5 | Pole Clamp Kit LEFT* (1 ea.) (incl. item 7) for sizes 18"-54" (450-1350mm) | CCKL | 79224 | 6.8 |
| 5a | HD Pole Clamp Kit LEFT* (1 ea.) (incl. item 7a) for sizes 60"-72" (1500-1800mm) | CCKHDL | 79225 | 8.7 |
| 6 | Pole Clamp Kit RIGHT* (1 ea.) (incl. item 7) for sizes 18"-54" (450-1350mm) | CCKR | 79228 | 6.8 |
| 6a | HD Pole Clamp Kit RIGHT* (1 ea.) (incl. item 7a) for sizes 60"-72" (1500-1800mm) | CCKHDR | 79229 | 8.7 |
| 7 | Cradle Clamp Top Strap (1 ea.) for use on L or R Pole Clamp Kit | CCKTS | 79232 | 1.1 |
| 7a | HD Cradle Clamp Top Strap (1 ea.) for use on L or R HD Pole Clamp Kit | CCKHDTS | 79233 | 1.7 |
| 8 | Mounting Bracket Kit (1 Right and 1 Left) | EZS2MBK | 75666 | 13.0 |
| – | Cradle Clamp Mounting Kit* for sizes 18"-54" (450-1350mm) (incl. 2 ea. Items 4 and 1 ea. Items 5, 6 & 8) | CCMK | 78919 | 33.0 |
| – | HD Cradle Clamp Mounting Kit* for sizes 60"-72" (1500-1800mm) (incl. 2 ea. Items 4 and 1 ea. Items 5a, 6a & 8) | CCMKHD | 78920 | 36.7 |

*Hardware Included  Lead time: 1 working day

### Mounting Kit Selection Chart

| Cleaner Width | 78919 CCMK | 78920 CCMKHD |
|---|---|---|
| EZS2 18" - 54" (450 - 1350mm) | X | |
| EZS2 60" - 72" (1500 - 1800mm) | | X |

### Cleaner Tips and Cushions Required Per Cleaner Size

| in. | mm | Tips Required |
|---|---|---|
| 18 | 450 | 3 |
| 24 | 600 | 4 |
| 30 | 750 | 5 |
| 36 | 900 | 6 |
| 42 | 1050 | 7 |
| 48 | 1200 | 8 |
| 54 | 1350 | 9 |
| 60 | 1500 | 10 |
| 72 | 1800 | 12 |

*U.S. Patent No. 6,823,983*

# Section 10 – Other Flexco Conveyor Products

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:

## Rockline® EZP1 Precleaner

- 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

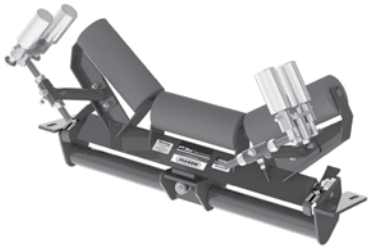
## DRX Impact Beds

- Exclusive Velocity Reduction Technology™ to better protect the belt
- Slide-Out Service™ gives direct access to all impact bars for change-out
- Impact bar supports for longer bar life
- 4 models to custom fit to the application

## Flexco Secondary Belt Cleaners

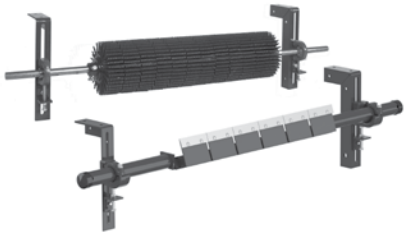
- Long-wearing metal blades for superior cleaning efficiency
- Individually mounted blades for consistent cleaning power
- Easy to install, simple to service
- Works with Flexco mechanical belt splices

## PT Max™ Belt Trainer



- Patented "pivot & tilt" design for superior training action
- Dual sensor rollers on each side to minimize 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
- High Temp 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 Plows

- 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

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