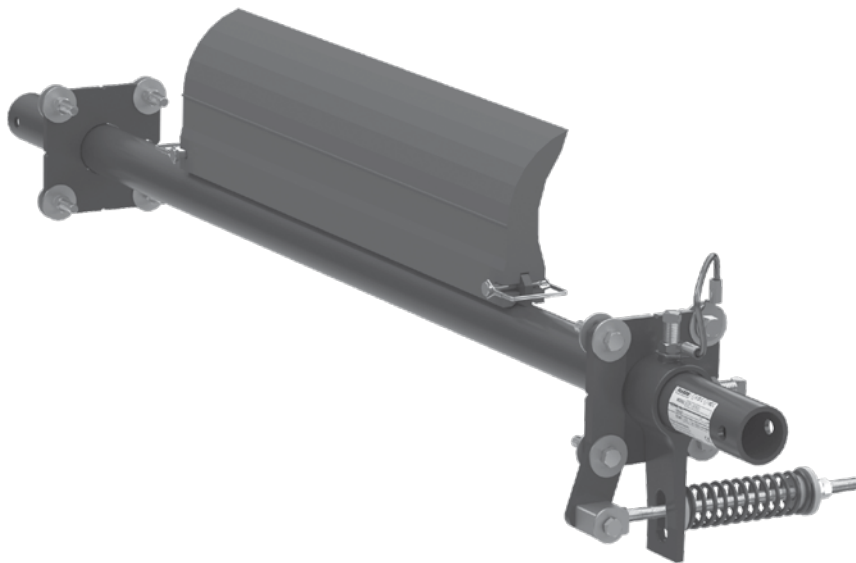


EZP1 Precleaner (ATEX)

Installation, Operation and Maintenance Manual



EZP1 Precleaner

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.

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Section 1 – Important Information

1.1 General Introduction

We at Flexco are very pleased that you have selected an EZP1 Precleaner 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 contact your field representative or our Customer Service Department:

Customer Service: 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 EZP1 Precleaner 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 EZP1 Precleaner, 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, 29 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

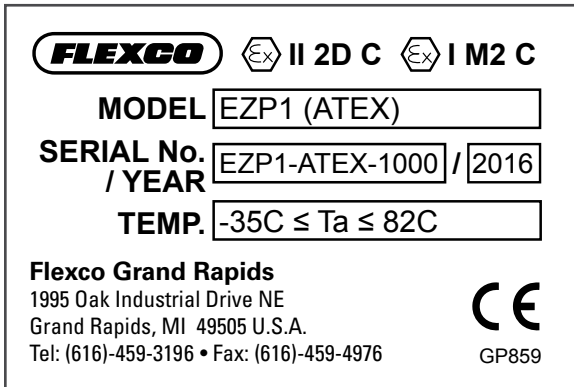
Never adjust anything on an operating cleaner. Unforeseeable belt projections and tears can catch on cleaners and cause violent movements of the cleaner structure. Flailing hardware can cause serious injury or death.

Section 2 – Safety Considerations and Precautions

2.3 ATEX Safety Info

The ATEX version of the EZP1 Belt Cleaner has been designed to conform to the safety standards per Directive 94/9/EC.

Marking example:



Safety Considerations:

- Welding and grinding that takes place during the installation or maintenance of the EZP1 should only be done when explosive atmospheres are not present. Follow mine/industrial site safety regulations when welding or grinding.
- Attach the EZP1 to a grounded conveyor structure. The product itself is made of conductive materials. To ensure a connection, attach grounding wire between torque arm casting and mounting plate. Use the provided lock washers to mount cleaner to the structure or weld mounting plate to structure. Testing to ensure the grounded connection is advised in applications with potential for static buildup on the cleaner.

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.

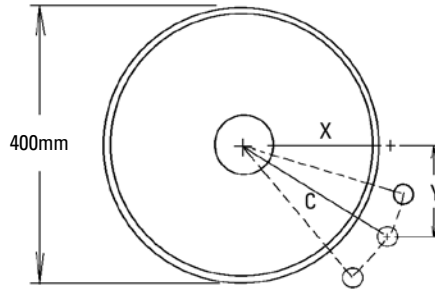
Conveyor situation:

Pulley Diameter: 400mm

X = 176mm

Y = 230mm

C = 290mm



- 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 50mm to clear the support structure).
- 2. Write down known dimensions.** We can now determine two of the three required dimensions 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 50mm, so we add 50mm to the given “Y” dimension.

$$X = ? \text{ mm}$$

$$Y = 230\text{mm} + 50\text{mm} = 280\text{mm}$$

$$C = 290\text{mm}$$

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).

$$X = 122\text{mm}$$

$$Y = 280\text{mm}$$

$$C = 252\text{mm}$$

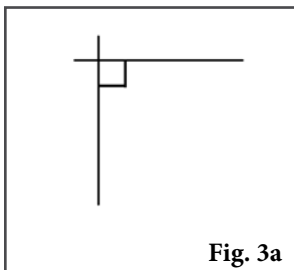


Fig. 3a

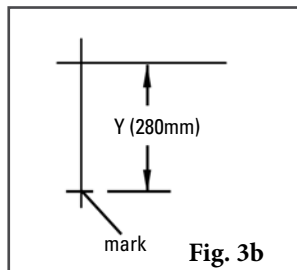


Fig. 3b

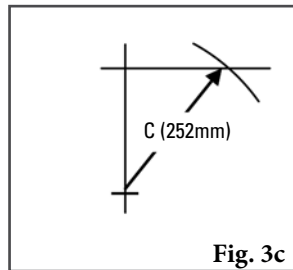


Fig. 3c

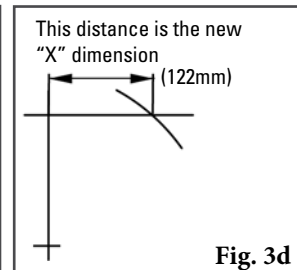
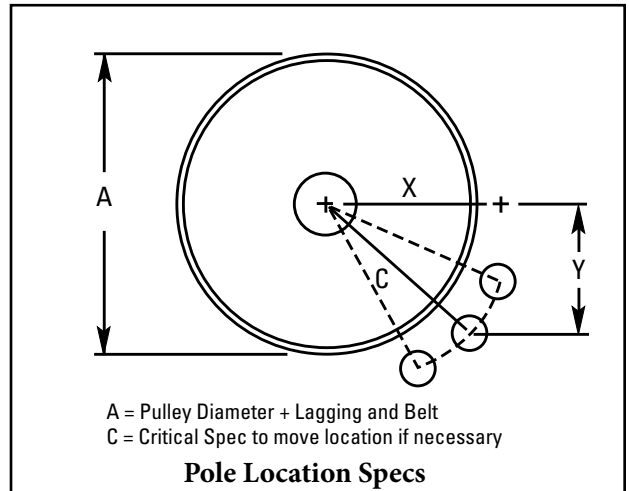
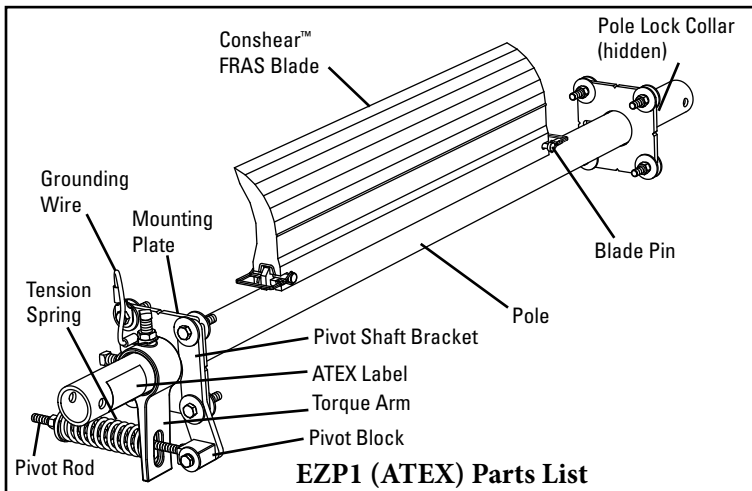


Fig. 3d

Section 4 – Installation Instructions



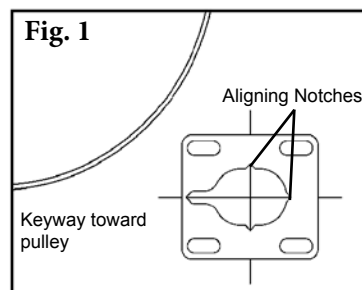
Physically lock out and tag the conveyor at the power source before you begin cleaner installation.

Before installation, place ATEX marking label (as shown on page 4) on cleaner pole.

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. Call the BCP Helpline 1-800-253-8132 if you need help on determining the proper coordinates.

- 1. Locate the correct pole position.** Measure and determine Dimension A (see instructions above). Find Dimension A on the Pole Location Chart at right and determine Dimensions X, Y and C. Measure out horizontally from the center of the pulley shaft Dim X and mark. From that mark, draw a long vertical line down, then measure and mark Dim Y. This indicates the location of the center of the cleaner pole. Measure and mark both sides. NOTE: If the location is obstructed, use Dim. C and move on an arc from the center of the pulley shaft to find an open position. Dim. C must remain constant to correctly locate the pole (see drawing above). NOTE: For open head installs, first add mounting support materials to the structure.
- 2. Mark and cut the mounting plate holes.** Using the mounting plate template provided in the instruction packet, position the large pole access hole on the chute, aligning the hole notches with the layout lines. Position the keyway toward the pulley. Trace the pole cutout and mounting holes (Fig. 1). Cut the holes on both sides of the chute.

NOTE: Hole cutouts are slotted for later adjustment if needed.



Pole Location Chart

A	X	Y	C
250	74	230	242
275	92	230	248
300	108	230	254
325	131	230	265
350	146	230	273
375	166	230	284
400	179	230	291
425	195	230	301
450	207	230	309
475	223	230	320
500	235	230	329
525	249	230	339
550	266	230	352
575	283	230	365
600	299	230	377
625	314	230	390
650	330	230	402
675	346	230	415
700	360	230	427
725	374	230	439
775	389	230	452
775	403	230	464
825	417	230	477
825	432	230	489
850	446	230	501
875	460	230	514
900	474	230	526

Section 4 – Installation Instructions (cont.)

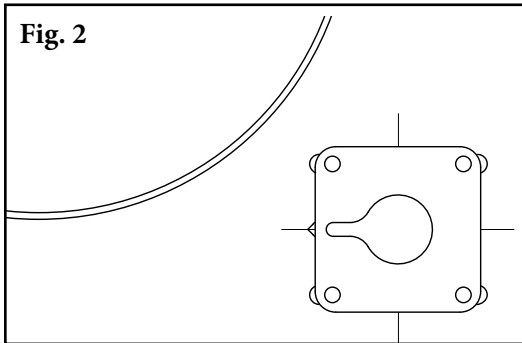


Fig. 2

3. **Install the mounting plates.** Bolt the mounting plates to the chute with bolts provided. Center plates on the slotted holes and tighten bolts (Fig. 2). Use included lock washers against the mounting plate surface to ensure a grounded connection.

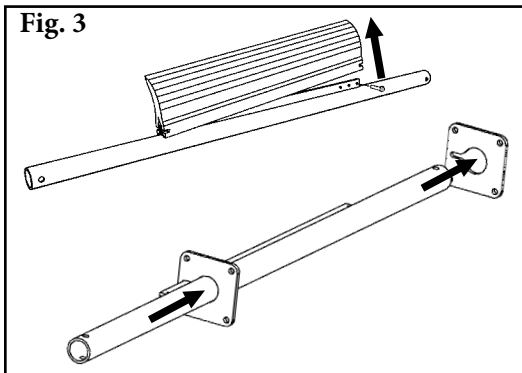


Fig. 3

4. **Install the pole.** Remove both blade pins and blade from the pole and insert the pole in through the mounting plates (Fig. 3).

5. **Center the cleaner on the belt and lock in place.** Reinstall the blade with both blade pins. Center the blade on the belt and install the pole lock collar onto the pole (on the end opposite the end to be used for the tensioner), snugly up to the mounting plate (Fig. 4a). Rotate the blade up to the belt and check to insure that the blade is square to the pulley face. If not, loosen a mounting plate on one side and adjust the plate forward or backward to square the blade to the pulley, and retighten the bolts (Fig. 4b).

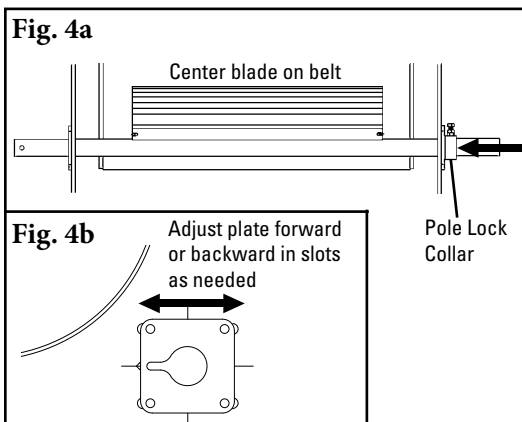


Fig. 4a

Center blade on belt

Fig. 4b

Adjust plate forward or backward in slots as needed

Pole Lock Collar

NOTE: The tensioner is assembled for installation on the left side (as you face the head pulley) of the cleaner. If right side installation is desired, some minor reassembly is required. For step-by-step instructions, see the EST Tensioner Card included with the tensioner parts.

6. **Install the tensioner.** Determine desired side and position (Fig. 5a) (the tensioner can be installed in any position 360° around the pole as shown in Fig. 5b) and remove the two mounting plate bolts needed to install the pivot shaft bracket. With the pivot rod inserted through the slotted hole of the torque arm, slide the two components onto the pole together. Using the long bolts provided, fasten the pivot shaft bracket to the mounting plate and tighten (Fig. 5c).

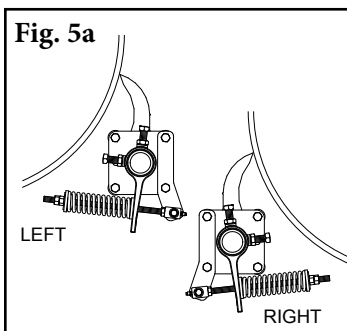


Fig. 5a

LEFT

RIGHT

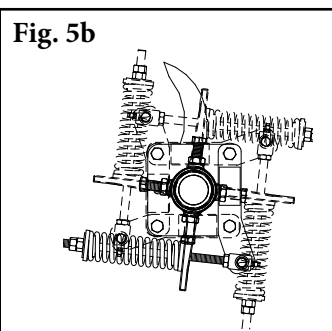


Fig. 5b

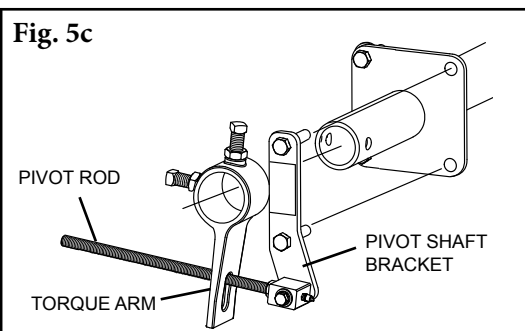


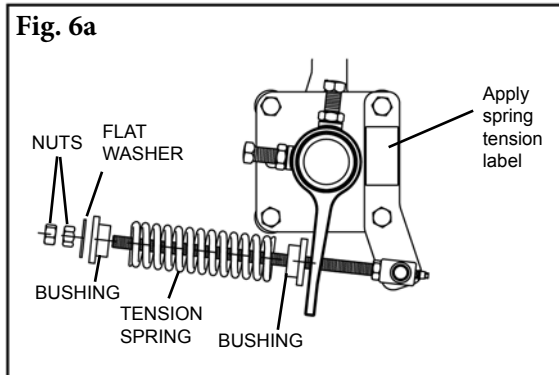
Fig. 5c

PIVOT ROD

TORQUE ARM

PIVOT SHAFT BRACKET

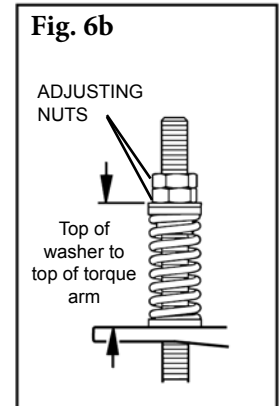
Section 4 – Installation Instructions (cont.)



Spring Length Chart

Blade Width	Purple Springs	Silver Springs	Black Springs
200	149	159	N/A
300	140	156	N/A
350	137	152	N/A
450	127	149	N/A
600	114	143	N/A
750	98	140	N/A
800	N/A	137	143
900	N/A	130	137
1000	N/A	130	137
1150	N/A	124	133
1200	N/A	121	130
1350	N/A	117	137
1400	N/A	N/A	124
1550	N/A	N/A	121

Shading Indicates Preferred Spring Option

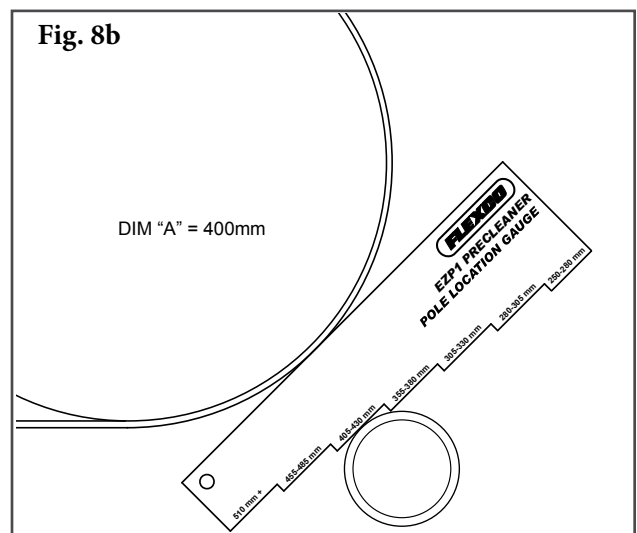
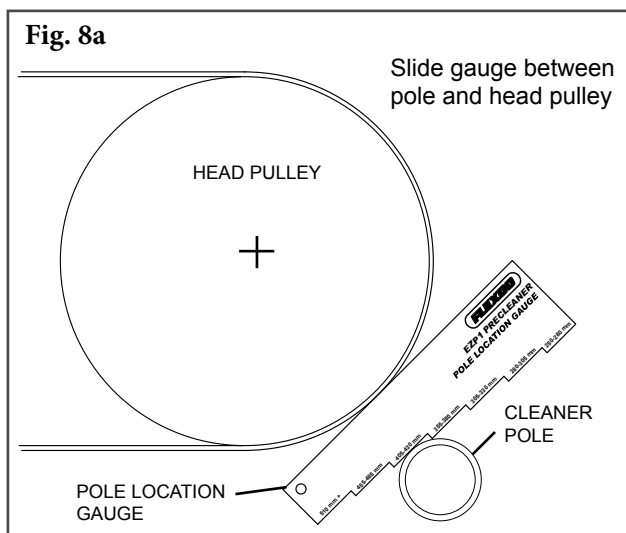
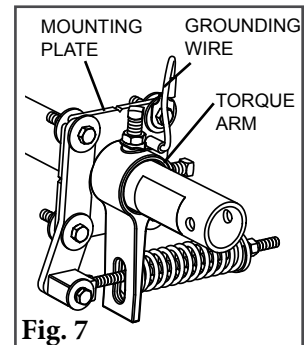


7. **Set the blade tension.** Assemble the tensioner by sliding the spring with bushings onto the pivot rod, followed by the large washer and two tension nuts (Fig. 6a). Thread nuts onto the pivot rod to expose 25mm of the end. Rotate the pole until the blade contacts the pulley. While pulling the torque arm up to the spring, tighten the torque arm to the pole. Set spring length to determined length (Fig. 6b.) Apply the spring tension label (provided in the instruction packet) to the pivot shaft bracket as shown.

8. **Add grounding wire.** To ensure a ground connection, attach ground wire between set screw on torque arm and a bolt on the mounting plate (Fig. 7)

9. **Confirm correct pole location.** After the cleaner is installed, slide the Pole Location Gauge (provided in the instruction packet) between the cleaner pole and the pulley, until it stops at a step (Fig. 8a). Read the flat area where the pole is resting (Fig. 8b). This diameter should be equal to Dim A used in Step 1.

NOTE: If the diameter reading on the Pole Location Gauge does not read the same as in Step 1, check the “C” dimension and correct accordingly.



Test run the cleaner and inspect the performance. If vibration occurs or more cleaning efficiency is desired, make the necessary tensioning adjustments.

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 EZP1 Precleaner 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 the spring length is the correct length 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.

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

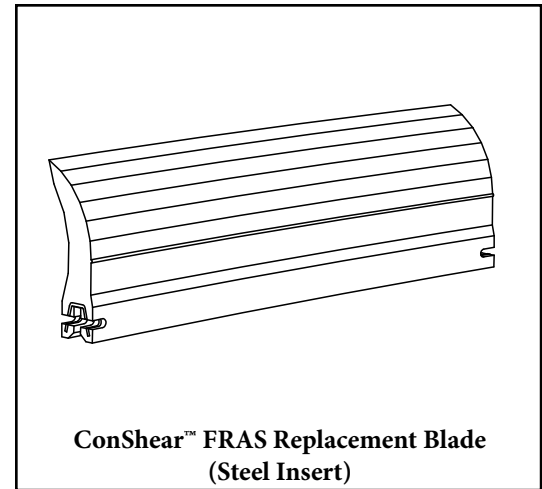
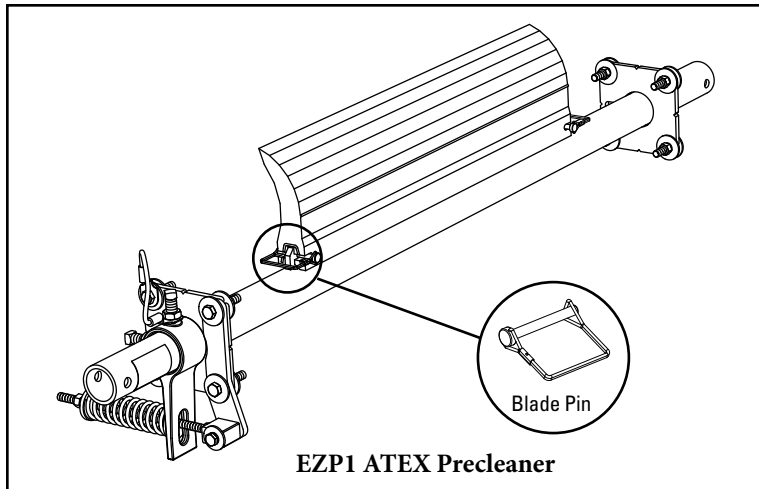
6.3 Routine Physical Inspection (every 6-8 weeks)

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.
- Check both blade pins for proper installation and condition. 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 chart on the cleaner or the one on Page 9.
- When maintenance tasks are completed, test run the conveyor to ensure the cleaner is performing properly.

Section 6 – Maintenance (cont.)

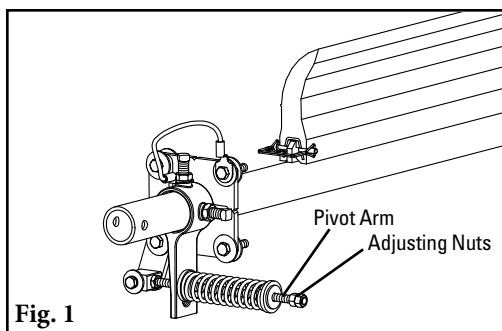
6.4 Blade Replacement Instructions



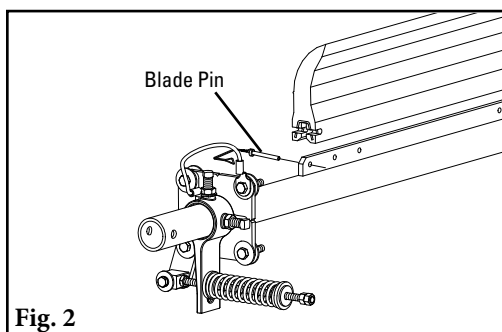
Physically lock out and tag the conveyor at the power source before you begin cleaner installation.

Tools Needed:

- Tape measure
- (2) 38mm wrenches or crescent wrenches
- Wire brush (for cleaning pole)
- Small putty knife (for cleaning pole)



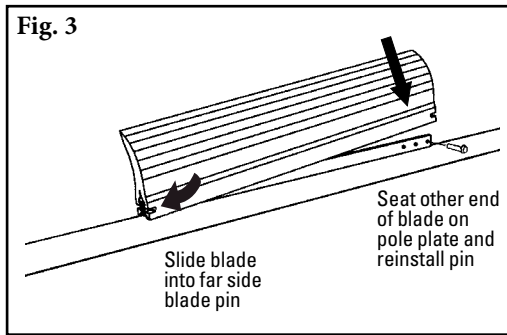
1. **Remove the tension.** Loosen the adjusting nuts on both sides and turn them out until they are flush with ends of the pivot arms (Fig. 1). This releases the tension of the blade on the belt.



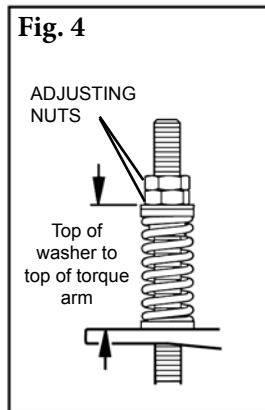
2. **Remove the worn blade.** Remove one blade pin and remove the blade from the pole (Fig. 2). Clean all fugitive material from the pole.

NOTE: If blade is hard to remove use a screwdriver or hammer to loosen it and then remove.

Section 6 – Maintenance (cont.)



- 3. Install the new blade.** Slide the new blade onto the pole, locking it into the far blade pin, then reinstall the removed blade pin, washer and clip (Fig. 3).



Spring Length Chart

Blade Width	Purple Springs	Silver Springs	Black Springs
200	149	159	N/A
300	140	156	N/A
350	137	152	N/A
450	127	149	N/A
600	114	143	N/A
750	98	140	N/A
800	N/A	137	143
900	N/A	130	137
1000	N/A	130	137
1150	N/A	124	133
1200	N/A	121	130
1350	N/A	117	137
1400	N/A	N/A	124
1550	N/A	N/A	121

Shading Indicates Preferred Spring Option

- 4. Reset the correct blade tension.** Refer to the chart 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).

NOTE: The chart is also on the cleaner's pivot shaft bracket for future reference for retensioning maintenance.

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 6 – Maintenance (cont.)

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: _____

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

Activity: _____

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

Activity: _____

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

Activity: _____

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

Activity: _____

Section 6 – Maintenance (cont.)

6.6 Cleaner Maintenance Checklist

Site: _____ Inspected by: _____ Date: _____

Mineline Belt Cleaner: _____ Serial Number: _____

Blade Width: Belt minus 50mm Belt minus 200mm Belt minus 350mm

Beltline Information:

Beltline Number: _____ Belt Condition: _____

Belt Width: 400mm 500mm 650mm 800mm 1000mm 1200mm 1400mm 1600mm

Head Pulley Diameter (Belt & Lagging): _____ Belt Speed: _____ M/sec 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: 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

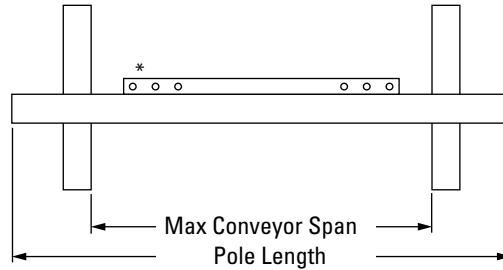
Problem	Possible Cause	Possible Solutions
Poor cleaning performance	Cleaner under-tensioned	Adjust to correct tension – see spring length chart
	Cleaner over-tensioned	Adjust to correct tension – see spring length chart
	Cleaner installed in wrong location	Verify "C" dimension, relocate to correct dimension
	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
Center 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 8 – Specifications and CAD Drawings

Pole Length Specifications

Cleaner Size	Pole Length	Maximum Conveyor Span
400	1220	1075
500	1370	1225
650	1525	1375
800	1675	1525
1000	1825	1675
1200	1985	1825
1400	2390	2225
1600	2690	2525

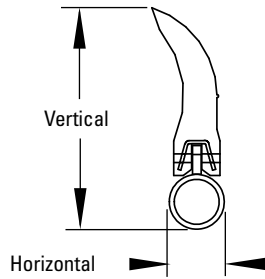
Pole Diameter - 60mm



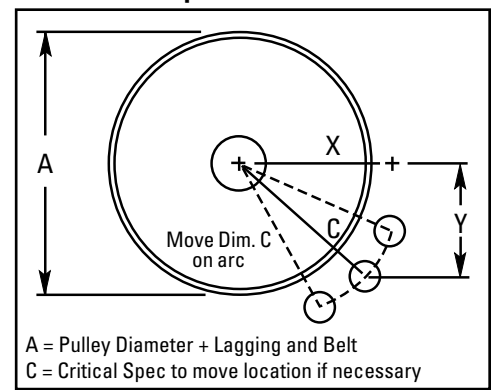
*Each pole size can be used with a blade size either belt width minus 50mm, belt width minus 200mm, or belt width minus 355mm.

Clearance Guidelines For Installation

Horizontal Clearance Required	Vertical Clearance Required
100mm	238mm



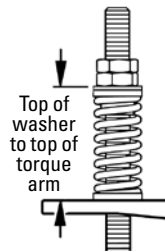
Pole Location Specs



Spring Length Chart

Blade Width	Purple Springs	Silver Springs	Black Springs
200	149	159	N/A
300	140	156	N/A
350	137	152	N/A
450	127	149	N/A
600	114	143	N/A
750	98	140	N/A
800	N/A	137	143
900	N/A	130	137
1000	N/A	130	137
1150	N/A	124	133
1200	N/A	121	130
1350	N/A	117	137
1400	N/A	N/A	124
1550	N/A	N/A	121

Shading Indicates Preferred Spring Option



Specifications:

- Maximum Belt Speed.....3.5M/sec
- Temperature Rating.....-35°C to 82°C
- Minimum Pulley Diameter.....250mm
- Blade Height.....185mm
- Usable Blade Wear Length.....100mm
- Blade Material.....Fire Resistant Anti-Static (FRAS)
Polyurethane (proprietary blend for abrasion resistance and long wear)
- Available for Belt Widths.....200 to 1550mm
- CEMA Cleaner Rating.....Class 3

U.S. Patent No. D482,508S

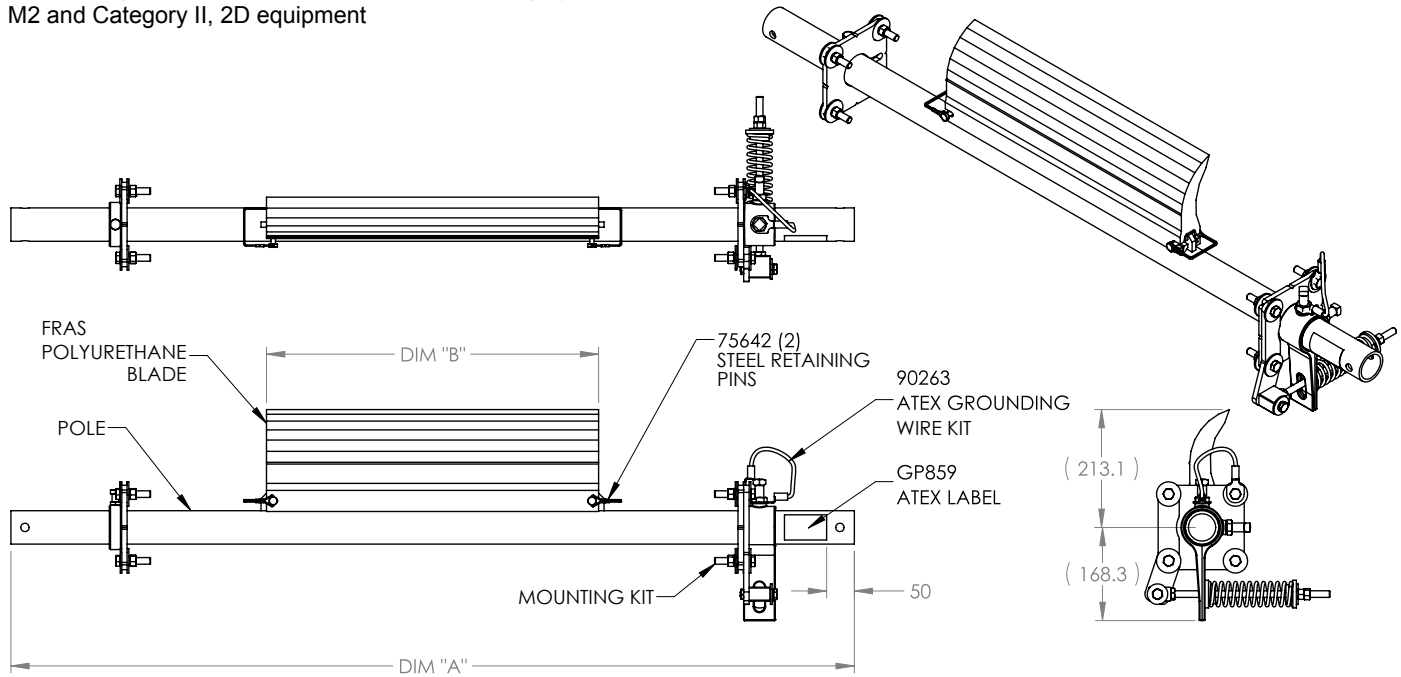
Pole Location Chart

A	X	Y	C
250	74	230	242
275	92	230	248
300	108	230	254
325	131	230	265
350	146	230	273
375	166	230	284
400	179	230	291
425	195	230	301
450	207	230	309
475	223	230	320
500	235	230	329
525	249	230	339
550	266	230	352
575	283	230	365
600	299	230	377
625	314	230	390
650	330	230	402
675	346	230	415
700	360	230	427
725	374	230	439
775	389	230	452
775	403	230	464
825	417	230	477
825	432	230	489
850	446	230	501
875	460	230	514
900	474	230	526

Section 8 – Specifications and CAD Drawings

8.1 EZP1 - Belt Width -50mm

Note: Designed per EU Directive 94/9/EC as Category I, M2 and Category II, 2D equipment

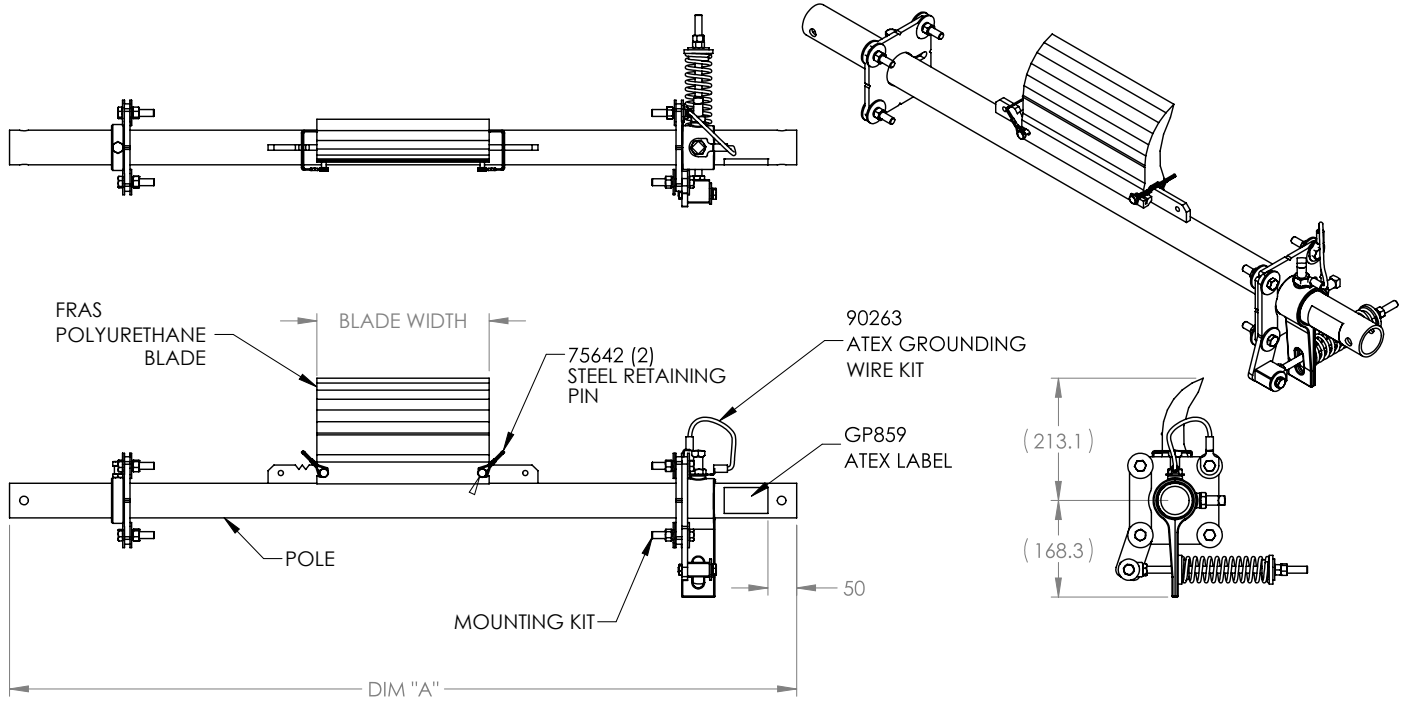


ASSEMBLY NUMBER	BELT WIDTH	BLADE WIDTH	POLE	DIM "A"	FRAS POLYURETHANE BLADE	MOUNTING KIT
90127	400	350	78275	1219.2	90114	81068
90128	500	450	78276	1371.6	90115	81068
90129	650	600	78277	1524	90116	81068
90130	800	750	78278	1676.4	90117	81068
90131	1000	950	78279	1828.8	90119	81069
90132	1200	1150	78280	1981.2	90121	81069
90133	1400	1350	78281	2387.6	90123	81069
90134	1600	1550	78282	2692.4	90125	81070

Section 8 – Specifications and CAD Drawings (cont.)

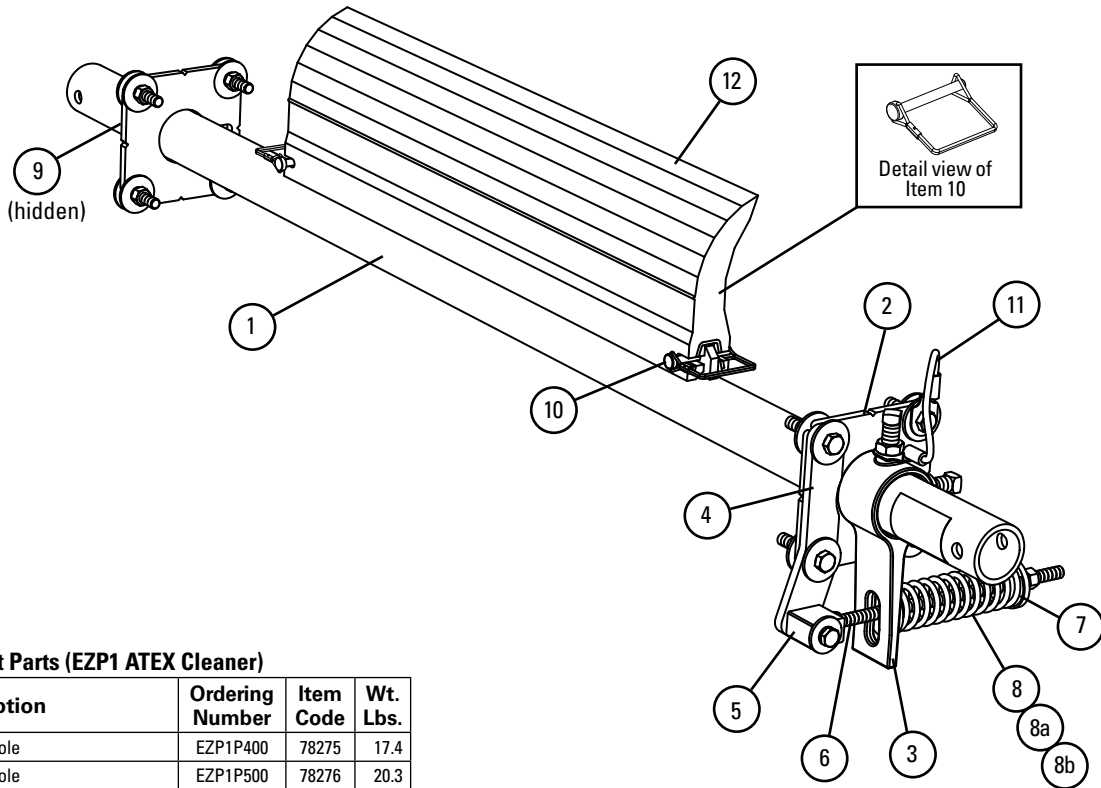
8.2 EZP1 - Belt Width -200mm

Note: Designed per EU Directive 94/9/EC as Category I, M2 and Category II, 2D equipment



ASSEMBLY NUMBER	BELT WIDTH	BLADE WIDTH	POLE	DIM "A"	POLYURETHANE FRAS BLADE	MOUNTING KIT
90135	400	200	78275	1219.2	90112	81068
90136	500	300	78276	1371.6	90113	81068
90137	650	450	78277	1524	90115	81068
90138	800	600	78278	1676.4	90116	81068
90139	1000	800	78279	1828.8	90118	81069
90140	1200	1000	78280	1981.2	90120	81069
90141	1400	1200	78281	2387.6	90122	81069
90142	1600	1400	78282	2692.4	90124	81070

Section 9 – Replacement Parts



Replacement Parts (EZP1 ATEX Cleaner)

Ref	Description	Ordering Number	Item Code	Wt. Lbs.
1	400mm Pole	EZP1P400	78275	17.4
	500mm Pole	EZP1P500	78276	20.3
	650mm Pole	EZP1P650	78277	22.7
	800mm Pole	EZP1P800	78278	26.5
	1000mm Pole	EZP1P1000	78279	30.4
	1200mm Pole	EZP1P1200	78280	32.7
	1400mm Pole	EZP1P1400	78281	35.3
	1600mm Pole	EZP1P1600	78282	39.2
2	Mounting Plate Kit* (2 ea.)	MEZP1MPK	81897	7.7
3	Torque Arm Kit* (1 ea.)	ESTAK	81033	3.6
4	Pivot Shaft Bracket Kit* (1 ea.)	MESPBK	82363	1.8
5	Pivot Block Kit*	MESPBL	81895	0.7
6	Pivot Rod Kit*	MESPRK	77441	1.2
7	Bushing Kit (includes 2 bushings)	ESBK-ATEX	90264	0.1
8	Tension Spring - Purple	QMTS-P	75845	1.0
8a	Tension Spring - Silver	ESS-S	76412	1.2
8b	Tension Spring - Black	ESS-B	76413	1.4
9	Pole Lock* (1 ea.)	STCK	74506	1.1
-	EST Tensioner Metric - Purple* for blade widths 200 - 750mm (includes 1 each items 3, 4, 5, 6, 7 & 8)	MEST-P	81068	16.9
-	EST Tensioner Metric - Silver* for blade widths 800 - 1350mm (includes 1 each items 3, 4, 5, 6, 7 & 8a)	MEST-S	81069	17.4
-	EST Tensioner Metric - Black* for blade widths 1400 - 1550mm (includes 1 each items 3, 4, 5, 6, 7a & 8b)	MEST-B	81070	17.4
10	Blade Pin (1 ea.)	EZP1BP	75642	0.1
11	ATEX Grounding Wire Kit	ATEX-GWK	90263	0.1

*Hardware Included
Lead time: 1 working day

Replacement Conshear™ FRAS Blades

Ref	Blade Width	Ordering Number	Item Code	Wt. Lbs.
12	200	CRB-200F	90112	3.6
	300	CRB-300F	90113	5.4
	350	CRB-350F	90114	6.3
	400	CRB-400F	90115	7.2
	600	CRB-600F	90116	10.8
	700	CRB-700F	90117	12.6
	800	CRB-800F	90118	14.4
	950	CRB-950F	90119	17.1
	1000	CRB-1000F	90120	18.0
	1150	CRB-1150F	90121	20.7
	1200	CRB-1200F	90122	21.6
	1350	CRB-1350F	90123	24.3
	1400	CRB-1400F	90124	25.2
	1550	CRB-1550F	90125	27.9

Order blade width for your belt width's material path:
Belt Width Minus 50mm or Belt Width Minus 200mm
Lead time: 1 working day

Spring Tensioner Selection Chart

Cleaner Blade Width	C4437 EST-P	C4438 EST-S	C4439 EST-B
ConShear™ 200 - 750mm	X		
ConShear 800 - 1350mm		X	
ConShear 1400 - 1550mm			X

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:

MSP 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

EZS2 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 minimize belt damage
- Pivot point guaranteed not to freeze 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

The Flexco Vision

To become the leader in maximising
belt conveyor productivity for our customers worldwide
through superior service and innovation.



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