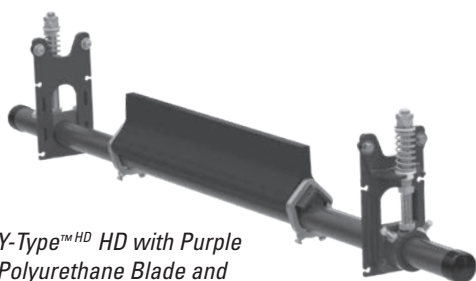


# Y-Type™ Heavy-Duty Secondary Belt Cleaner

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## Installation, Operation and Maintenance Manual

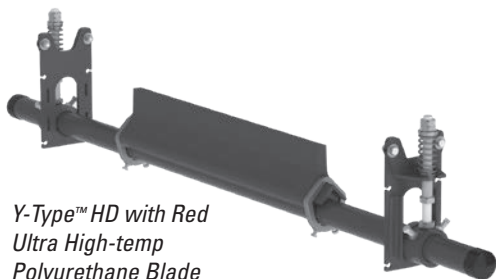
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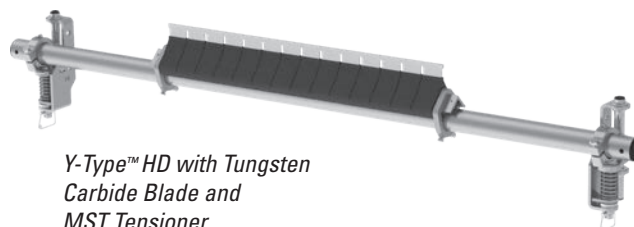
*Y-Type™<sup>HD</sup> HD with Purple  
Polyurethane Blade and  
YST Tensioner*



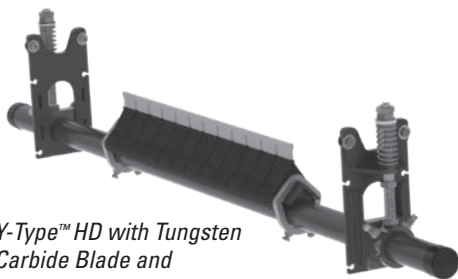
*Y-Type™<sup>HD</sup> HD with Purple  
Polyurethane Blade  
and MST Tensioner*



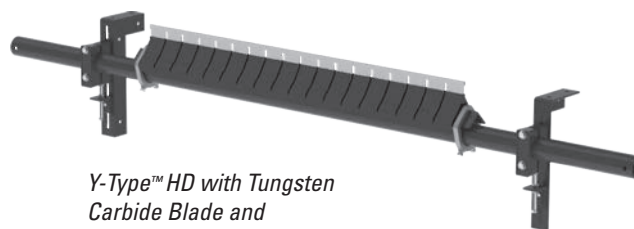
*Y-Type™ HD with Red  
Ultra High-temp  
Polyurethane Blade  
and YST Tensioner*



*Y-Type™ HD with Tungsten  
Carbide Blade and  
MST Tensioner*



*Y-Type™ HD with Tungsten  
Carbide Blade and  
YST Tensioner*



*Y-Type™ HD with Tungsten  
Carbide Blade and  
Bolt-Up Tensioner*

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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 a Y-Type™ 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:

**Customer Service: 612-8818-2000**

**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 Y-Type™ 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 Y-Type™ 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 Lockout/Tagout (LOTO) regulations 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

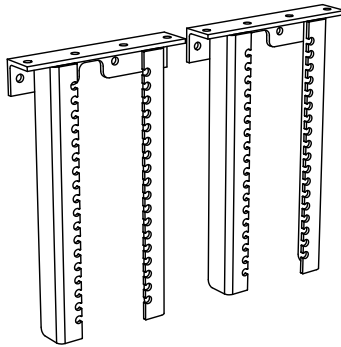
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### 3.1 Checklist

- Check that the cleaner size is correct for the beltline width
- Check belt cleaner carton and make sure all parts are included
- Review “Tools Needed” list on the top of 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

### 3.2 Optional Installation Accessories

- 79850**  
**YST HD Drop Bracket Kit**
- Includes 2 drop brackets

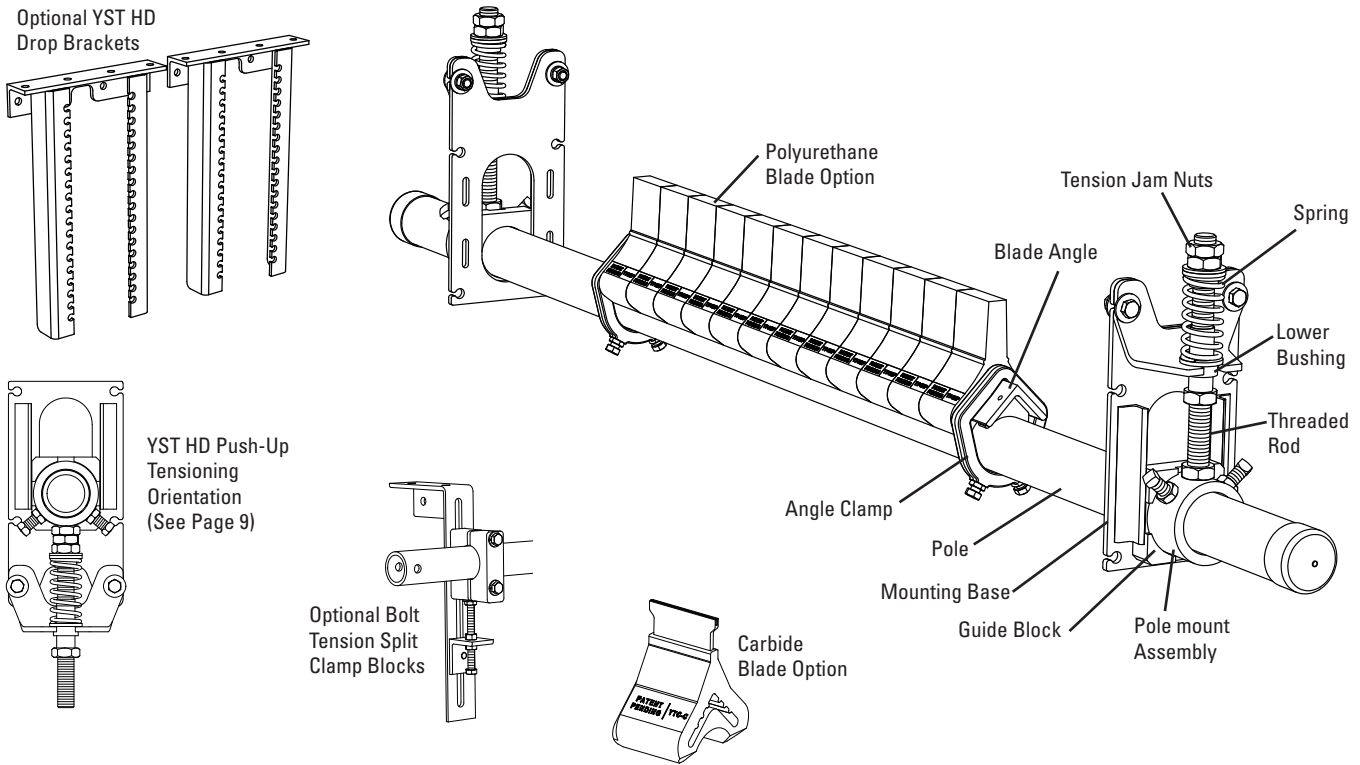


#### *Optional Installation Accessories*

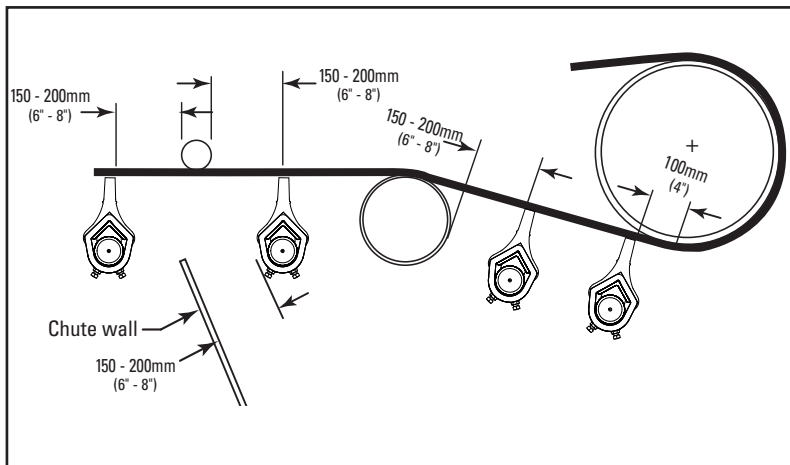
Description	Ordering Number	Item Code	Wt. Kg.
YST HD Drop Bracket Kit	YSTHDBK	79850	14.0

# Section 4 – Installation Instructions

## 4.1 Y-Type™ Heavy-Duty Secondary Belt Cleaner - Pull-Up Tensioning (Polyurethane or Carbide Option)



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

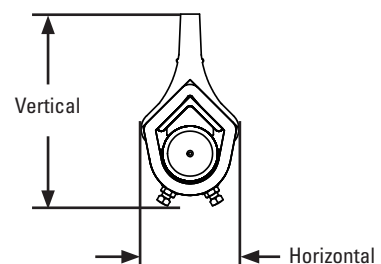


### Tools Needed

- 24mm (15/16") Wrench
- 19mm (3/4") Wrench
- 38mm (1 1/2") Wrench
- OR Large Adjustable Wrench & Channel Locks
- Tape Measure
- Ratchet with 19mm (3/4") Socket
- (2) 152mm (6") C-Clamps (for Temporary Positioning of Mounting Brackets)
- Cutting Torch and/or Welder
- Marking Pen

### Clearance Requirements for Installation

	Vertical	Horizontal
Y-Type Polyurethane	248mm (9-3/4")	133mm (5-1/4")
Y-Type Carbide	241mm (9-1/2")	133mm (5-1/4")

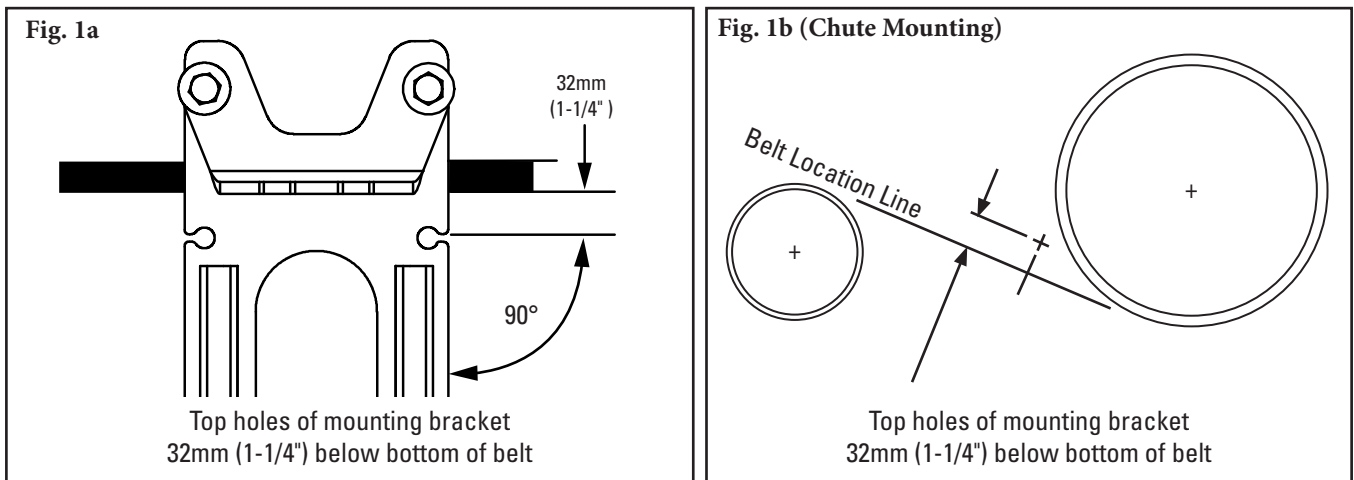


### Before You Begin:

- For chute mounting it may be necessary to cut an access hole to allow for installation and inspections. (See dimensions in Step 1.)
- Follow all safety precautions when using a cutting torch.
- If welding, protect all fastener threads from weld spatter.
- For cleaner clearance requirements see chart at right.

## Section 4 – Installation Instructions (cont.)

### 4.1 Y-Type™ Heavy-Duty Secondary Belt Cleaner - Pull-Up Tensioning



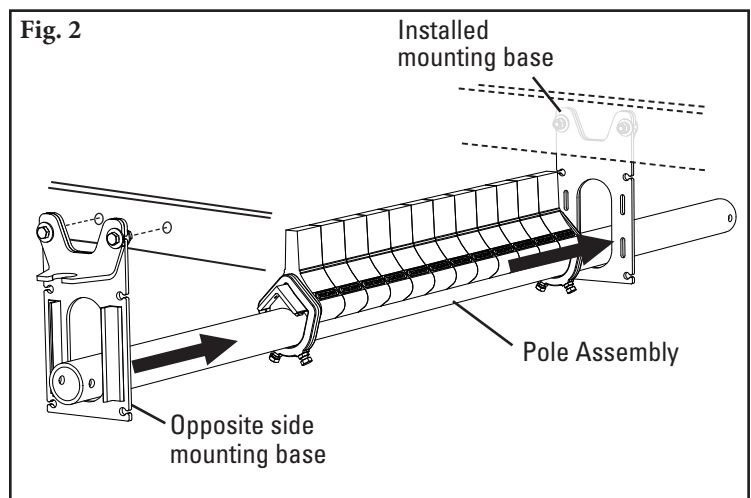
1. **Install spring tensioner mounting bases.** (For push-up tensioning refer to additional instructions on Page 8. Clamp mounting base into position so top flange of base is located the proper distance below bottom of belt (Fig. 1a). With angle bracket positioned as shown in Fig. 1a for pull-up tensioning, bolt first mounting base in place. Locate and mark mounting base position on other side but do not install at this time.

**For chute mounting:** For chute installation a belt location line must first be established. Draw a line on chute replicating this location. If head pulley and snub pulley are close, it may be necessary to assume an approximate belt line between the two. In the determined location draw a line perpendicular to belt line. Make a mark at the proper distance below bottom of belt (Fig. 1b).

Locate a mounting bracket perpendicular to belt location line (Fig. 1b), aligning top mounting bracket flange with mark made in previous step. Bolt bracket in place. Repeat this step on opposite side. Cut access holes using provided mounting template.

**NOTE: The mounting brackets must be aligned perpendicular to the belt.**

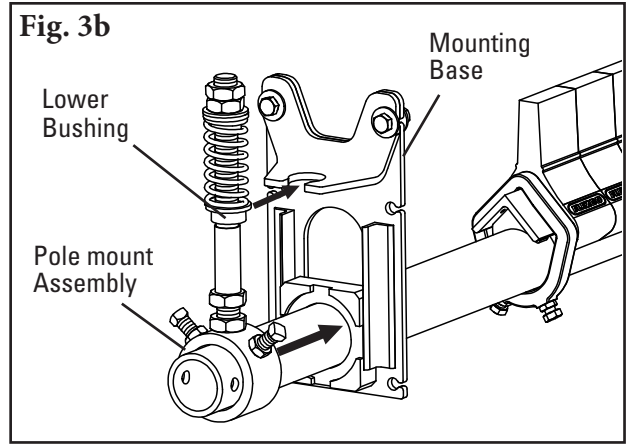
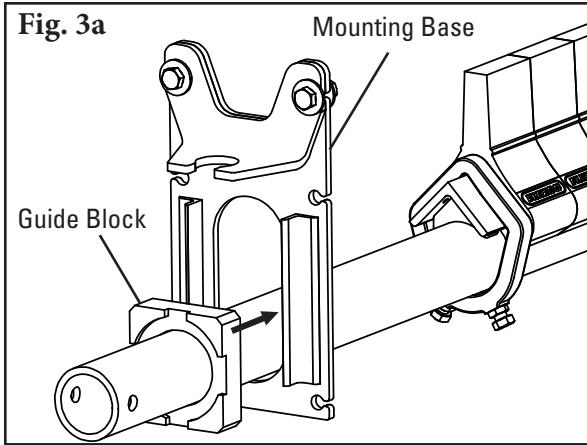
2. **Install the pole.** Insert pole assembly into installed mounting base from the inside. Then slide opposite side mounting base onto pole and bolt in place (Fig. 2).



## Section 4 – Installation Instructions (cont.)

### 4.1 Y-Type™ Heavy-Duty Secondary Belt Cleaner - Pull-Up Tensioning

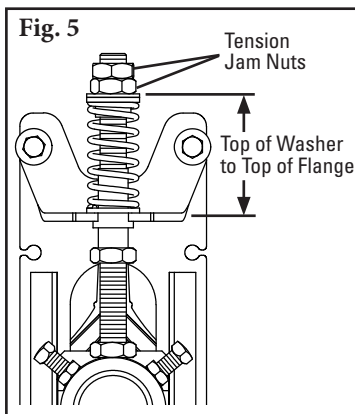
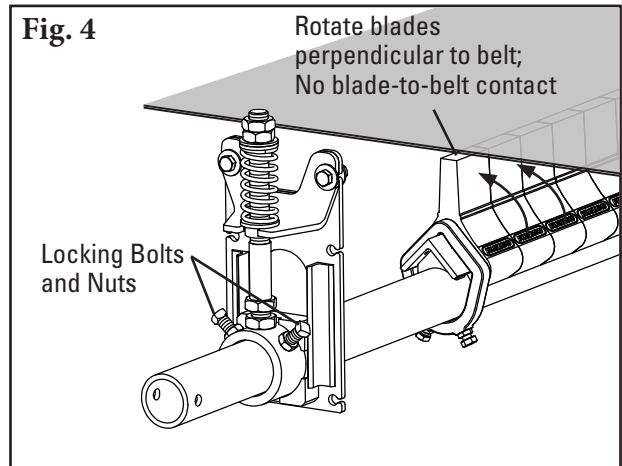
- Assemble tensioners.** Slide guide blocks over each end of pole and position in mounting base as shown (Fig. 3a). Slide tensioner assembly over each end of pole and position lower bushing into mounting base (Fig. 3b).



- Secure pole.** Centre pole/blades on belt and rotate pole until blades are perpendicular to belt. Tighten the two locking bolts and nuts on each tensioner assembly to lock pole in place (Fig. 4).

- Set blade tension.** Loosen top tension jam nuts on both sides and turn nuts until correct spring compression is reached (Fig. 5). Spring compression is determined by spring length. See chart below for correct spring length for your specific cleaner (polyurethane or carbide) and belt width.

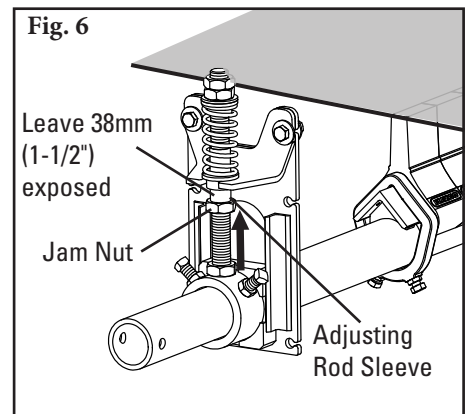
- Set adjusting rod sleeve.** After setting blade tension, screw adjusting rod sleeve up into the UHMW bushing until 38mm (1-1/2") is showing (Fig. 6). Tighten adjusting rod sleeve jam nut.



**YST HD Tensioner Spring Length Chart**

Blade Width	Carbide Tip				Polyurethane Tip			
	Silver Springs		Black Springs		Green Springs		Blue Springs	
mm in.	mm in.	mm in.	mm in.	mm in.	mm in.	mm in.	mm in.	
900 36	98 3 7/8	102 4	76 3	86 3 3/8				
1050 42	95 3 3/4	98 3 7/8	73 2 7/8	83 3 1/4				
1200 48	92 3 5/8	95 3 3/4	67 2 5/8	79 3 1/8				
1350 54	89 3 1/2	95 3 3/4	64 2 1/2	76 3				
1500 60	86 3 3/8	92 3 5/8	NA	73 2 7/8				
1800 72	83 3 1/4	89 3 1/2	NA	64 2 1/2				

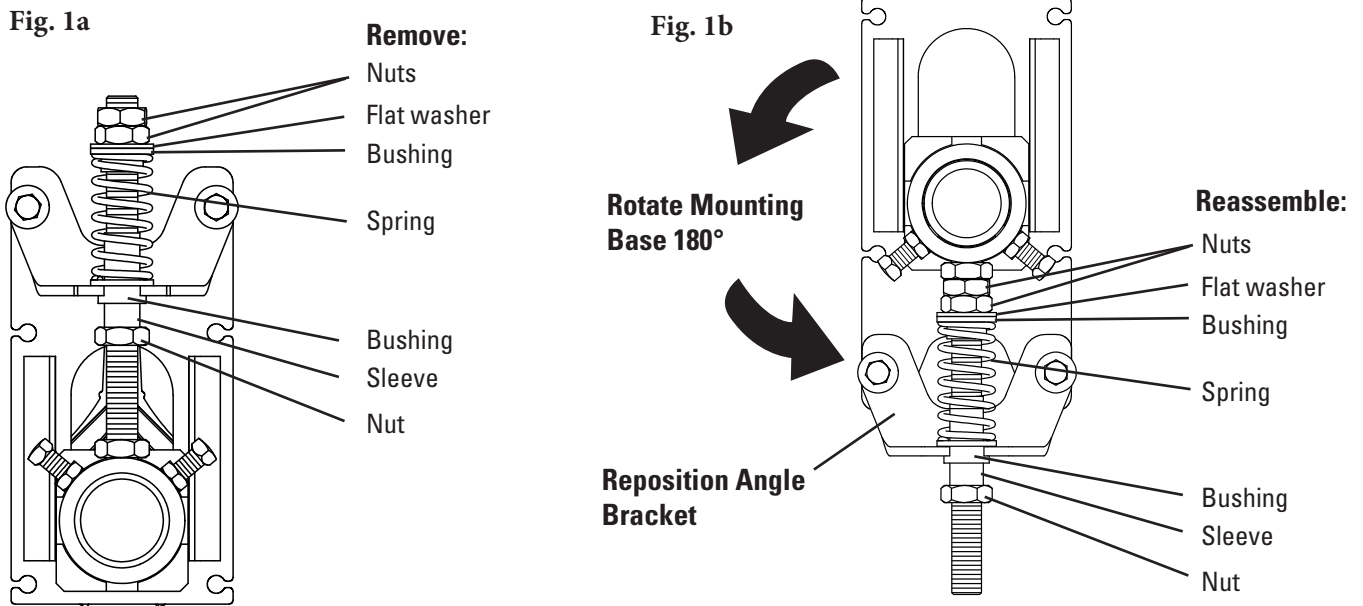
Shading indicates preferred spring option.



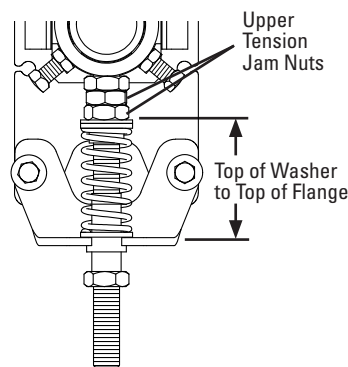
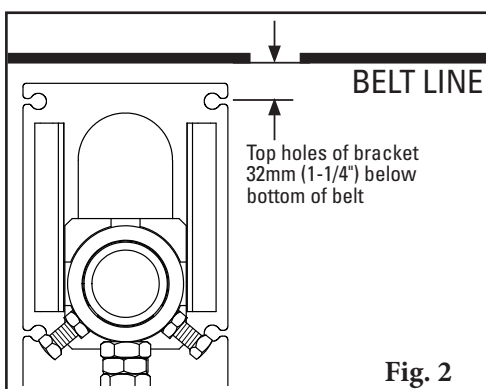


## Section 4 – Installation Instructions (cont.)

### 4.2 Y-Type™ Heavy-Duty Secondary Belt Cleaner - Push-Up Tensioning (Polyurethane or Carbide Option)



- 1. Reconfigure the standard pull-up tensioner to the push-up style.** Remove 3 nuts, flat washer, 2 bushings, spring, and sleeve (Fig. 1a). Rotate the mounting base so the two flanges point downward and reposition the angle bracket as shown in Fig. 1b. Reassemble components on threaded rod in the order shown (Fig. 1b).
- 2. Install the tensioner mounting bases.** Mount the bases to the structure or chute so that the tops of the bases are aligned with the bottom of the belt (urethane blades) or 14mm (9/16") above the bottom of the belt (carbide blades) (Fig. 2).
- 3. Install the cleaner pole and set the blade angle.** Follow installation steps 2-4 from the cleaner instructions on Page 6 and 7. **Note:** be sure the lock bolts on the torsion pole mount have been securely tightened to lock the pole in place before moving to Step 4.
- 4. Set the blade tension.** Turn the 2 upper tension nuts until the spring is compressed to the length shown on the Spring Length Chart below. Tighten the 2 tension nuts together to prevent loosening.



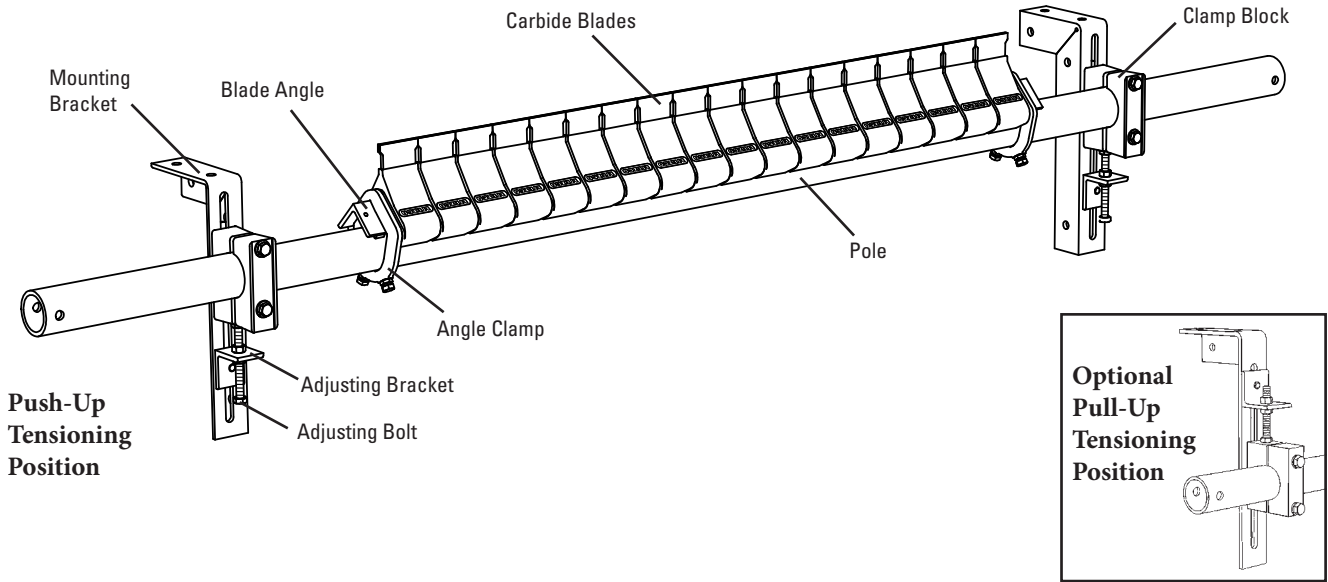
**YST HD Tensioner Spring Length Chart**

Blade Width	Carbide Tip				Polyurethane Tip				
	Silver Springs		Black Springs		Green Springs		Blue Springs		
mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
900	36	98	3 7/8	102	4	76	3	86	3 3/8
1050	42	95	3 3/4	98	3 7/8	73	2 7/8	83	3 1/4
1200	48	92	3 5/8	95	3 3/4	67	2 5/8	79	3 1/8
1350	54	89	3 1/2	95	3 3/4	64	2 1/2	76	3
1500	60	86	3 3/8	92	3 5/8	NA	NA	73	2 7/8
1800	72	83	3 1/4	89	3 1/2	NA	NA	64	2 1/2

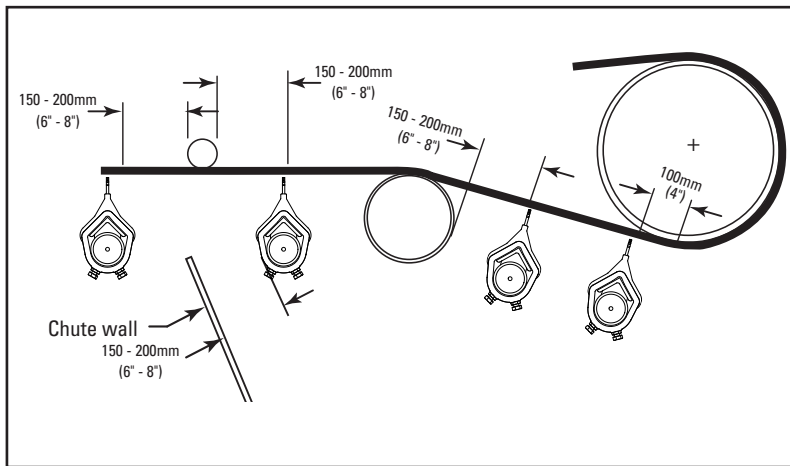
Shading indicates preferred spring option.

# Section 4 – Installation Instructions

## 4.3 Y-Type™ Heavy-Duty Secondary Belt Cleaner with Bolt-Up Tensioner (Carbide Blades)



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



### Tools Needed

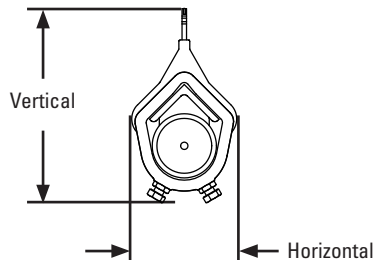
- 24mm (15/16") Wrench
- 19mm (3/4") Wrench
- 38mm (1 1/2") Wrench
- OR Large Adjustable Wrench & Channel Locks
- Tape Measure
- Ratchet with 19mm (3/4") Socket
- (2) 152mm (6") C-Clamps (for Temporary Positioning of Mounting Brackets)
- Cutting Torch and/or Welder
- Marking Pen

### Clearance Requirements for Installation

	Vertical	Horizontal
Y-Type Carbide	241mm (9-1/2")	133mm (5-1/4")

### Before You Begin:

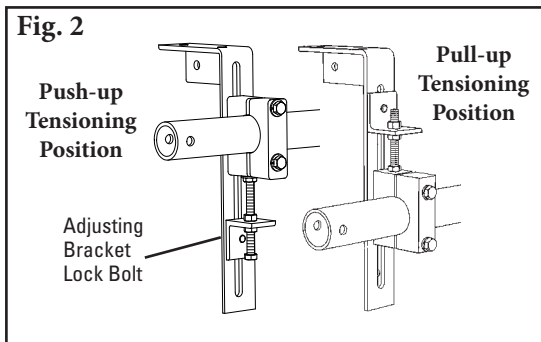
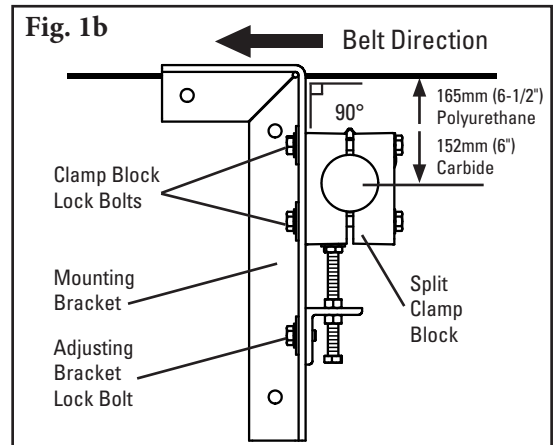
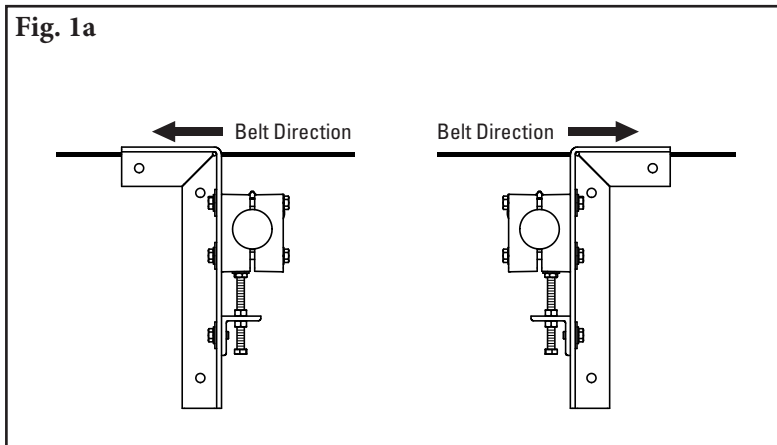
- For chute mounting it may be necessary to cut an access hole to allow for installation and inspections. (See dimensions in Step 1.)
- Follow all safety precautions when using a cutting torch.
- If welding, protect all fastener threads from weld spatter.
- For cleaner clearance requirements see chart at right.



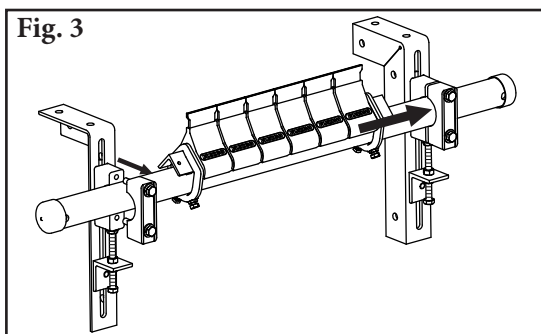
## Section 4 – Installation Instructions (cont.)

### 4.3 Y-Type™ Heavy-Duty Secondary Belt Cleaner with Bolt-Up Tensioner

- 1. Install the mounting brackets.** Position the mounting bracket to locate the cleaner pole centerline 165mm (6-1/2") below the beltline for polyurethane cleaners or 150mm (6") below the beltline for carbide cleaners. The pole must be installed so the blades do not touch the belt. Positioning the brackets perpendicular to the belt is recommended (Fig.1b).



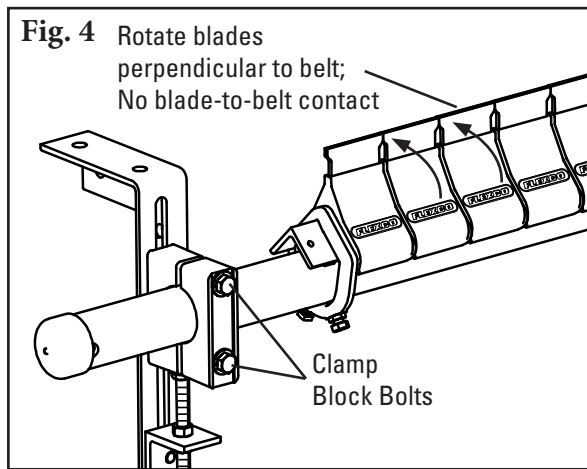
- 2. Choose the tensioner position.** The tensioner is shipped mounted in the push-up position. Depending upon the space constraints of the installation, the tensioner can be optionally mounted in a pull-up position. To do this, loosen the threaded rod lock nut, unscrew the threaded rod and remove adjusting 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 outer half of the clamp block on one side, and on the opposite side, loosen the two clamp block bolts. Slide the pole across and into the loosened clamp block, replace the outer clamp block, center the blades on the belt and tighten all four clamp block bolts finger tight.

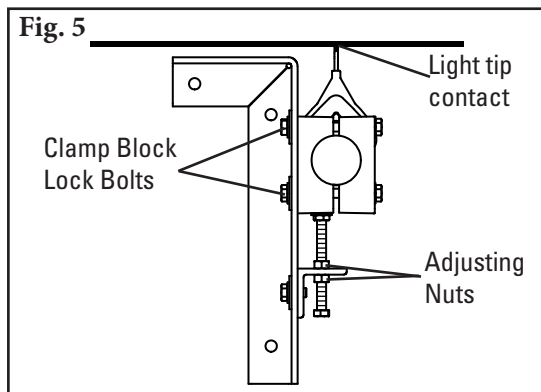
## Section 4 – Installation Instructions (cont.)

### 4.3 Y-Type™ Heavy-Duty Secondary Belt Cleaner with Bolt-Up Tensioner



4. **Secure pole.** Center pole/blades on belt and rotate pole until blades are perpendicular to belt. Tighten clamp block bolts equally on each tensioner assembly to lock pole in place (Fig. 4).

**Note:** make sure there is no tip-to-belt contact while making this alignment. If contact occurs, lower the pole by loosening the clamp block lock bolts and raising the top adjusting jam nut (fig.5). When tips are lowered and not touching the belt, repeat this step.

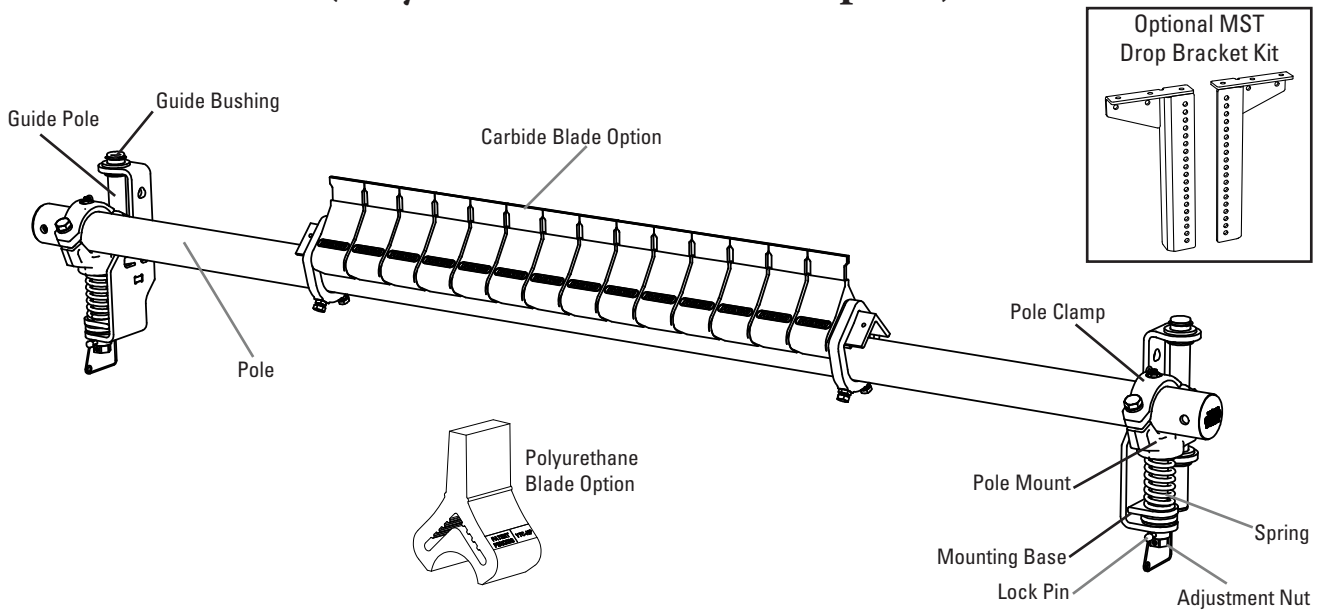


5. **Set the blade tension.** Loosen the 4 clamp block lock bolts (on the back of the mounting brackets) and turn the top adjusting jam nut on each side until the blades make light contact across the entire width of the belt. Make an additional 5 full turns on the adjusting nuts to tension the blades.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

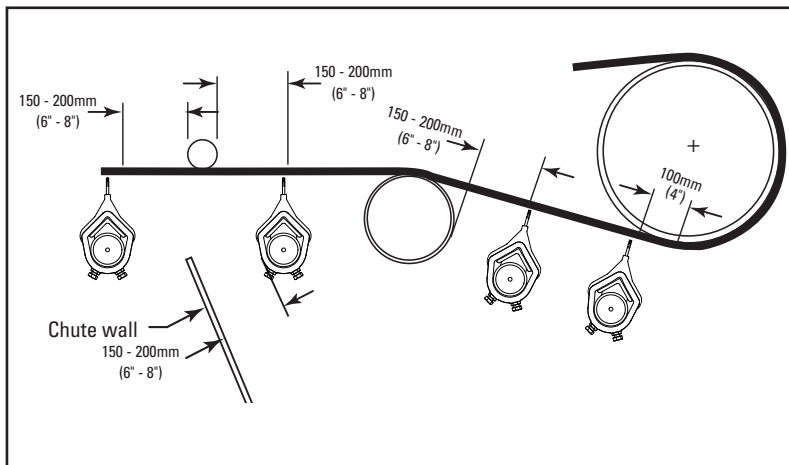
**Test run the cleaner and inspect the performance.** If more cleaning efficiency is desired, the blade tension can be increased in 1/2 turns on the adjusting nuts (see Step 5).

## Section 4 – Installation Instructions

### 4.4 Y-Type™ Heavy-Duty Secondary Belt Cleaner - MST Tensioning for belts 900-1800mm (Polyurethane or Carbide Blade Option)



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



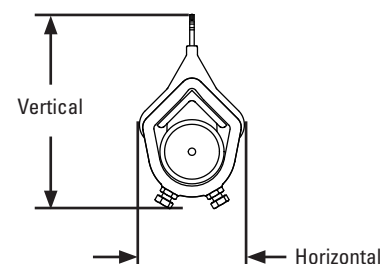
- #### Tools Needed
- Tape Measure
  - 19mm Spanner
  - Ratchet With 19mm (Socket)
  - (2) 150mm C-Clamps (for Temporary Positioning of Mounting Brackets)
  - Cutting Torch and/or Welder
  - Marking Pen

#### Clearance Requirements for Installation

	Vertical	Horizontal
HD Y-Type with MST	260 mm	140 mm

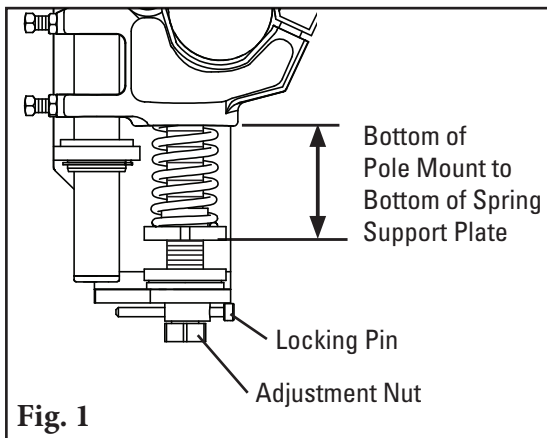
#### Before You Begin:

- Double check the tip style needed for your application:  
C-Tip - for mechanically spliced and vulcanized belts.  
V-Tip - for vulcanized belts only.
- For chute mounting it may be necessary to cut an access hole to allow for installation and inspections. (please see table to the right indicating clearance requirements.)
- Follow all safety precautions when using a cutting torch.
- If welding, protect all fastener threads from weld spatter.
- For cleaner clearance requirements see chart.



## Section 4 – Installation Instructions (cont.)

### 4.4 Y-Type™ Heavy-Duty Secondary Belt Cleaner - MST Tensioning

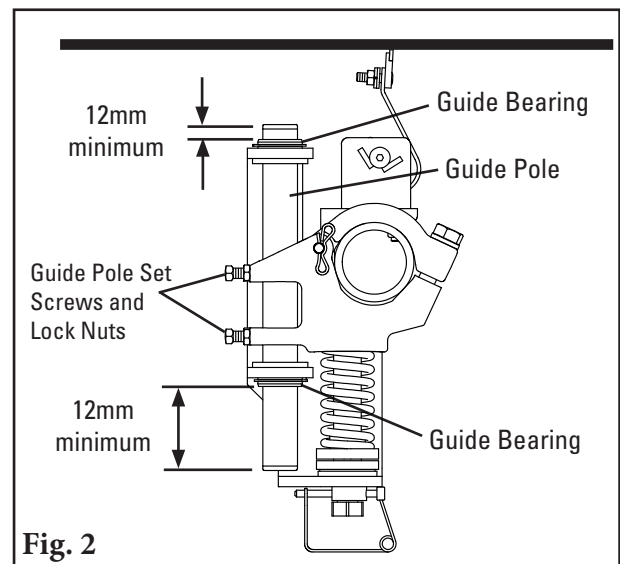


1. **Ensure the tensioner travels freely.** Pull up and push down on each pole end to ensure the pole mount travels freely on the guide pole. If there is any sign of binding, loosen the bolts on the mounting base and pivot until the tensioner moves freely. Retighten bolts.
2. **Set the plate tension.** Turn the adjustment nuts until the correct spring tension is reached (Fig. 1). Spring compression is determined by the spring length. See the chart below for the correct spring length for your belt width. Replace locking pins.

#### MST Tensioner Spring Length Chart

Blade Width mm	Preferred Spring	2 White Springs	2 Silver Springs	2 Black Springs	2 Gold Springs
		mm	mm	mm	mm
900	Silver	53	80	84	89
1050	Silver	N/A	78	81	88
1200	Silver	N/A	75	79	87
1350	Silver	N/A	72	77	85
1500	Black	N/A	70	75	84
1650	Black	N/A	67	73	83
1800	Black	N/A	N/A	71	81

3. **Secure guide poles.** Ensure the ends of the guide pole extend at least 12mm outside top and bottom guide bearings. If adjustment is necessary, loosen guide pole set screws and lock nuts, then tap guide pole up or down. Tighten guide pole set screws and lock nuts (Fig. 2).
4. **Check movement of each tensioner** to ensure they do not bind up. If there are binding concerns, refer to Step 1.
5. **Test run the cleaner and inspect the cleaning performance.** If vibration occurs or more cleaning efficiency is desired, increase the blade tension by making 3.18mm (1/8") compression adjustments on the tension springs.



## 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 belt and conveyor area.

### 5.2 Test Run the Conveyor

- Run conveyor for at least 15 minutes and inspect cleaning performance.
- If vibration occurs or more cleaning efficiency is desired, increase blade tension by making 3mm (1/8") compression adjustments on the tension springs.
- Check adjusting brackets and tips for proper tensioning.
- Make adjustments as necessary.

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

## Section 6 – 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 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 Y-Type™ 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:

- Spring length is correct length for optimal tensioning.
- Pole can move up and down with no binding of the tensioners.
- Belt looks clean or if there are areas that are dirty.
- Blade is worn out and needs to be replaced.
- There is damage to the blade or other cleaner components.
- Fugitive material is built up on cleaner or in transfer area.
- There is cover damage to the belt.
- There is vibration or bouncing of the cleaner on the belt.
- There is material buildup on snub pulley (if used).
- Significant signs of carryback exist.

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, perform a physical inspection of the cleaner through the following tasks:

- Clean material buildup from cleaner blade and pole.
- Verify pole can move smoothly up and down.
- Closely inspect blade for wear and any damage. Replace if needed.
- Ensure full blade to belt contact.
- Inspect cleaner pole for damage.
- Inspect all fasteners for tightness and wear. Tighten or replace as needed.
- Replace any worn or damaged components.
- Check tension of cleaner blade to belt. Adjust tension if necessary using the steps on page 8, 9 or 14.
- When maintenance tasks are completed, test run conveyor to ensure cleaner is performing properly.

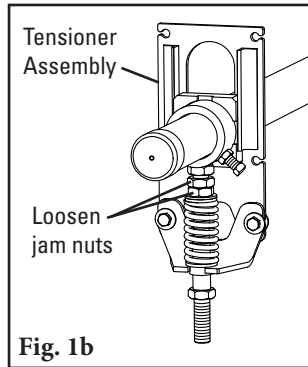
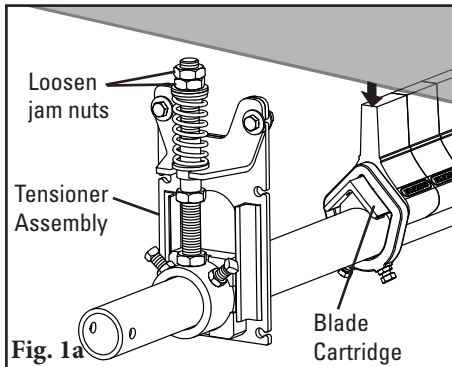


## Section 6 – Maintenance (cont.)

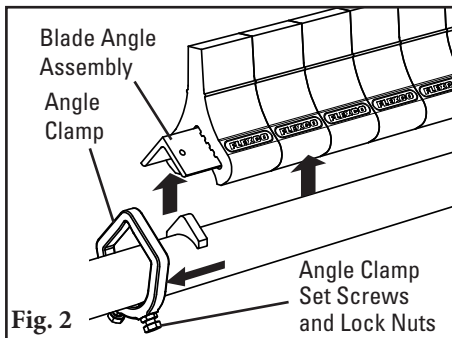
### 6.4 Blade Replacement Instructions with YST Tensioner (Carbide or Polyurethane)

#### BEFORE YOU BEGIN:

Physically Lock Out and Tag the Conveyor at the Power Source.



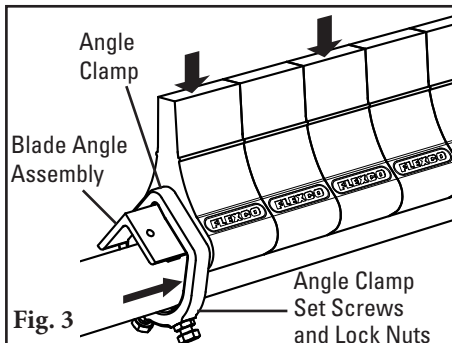
- 1. Lower cleaner away from belt.** Loosen jam nuts on threaded rods to remove tension and lower the cleaner. (Fig. 1a - Pull-up Tensioning; Fig. 1b - Push-up Tensioning). If mounted on a chute, remove near side tensioner assembly to access blade cartridge (Fig. 1).



- 2. Remove blade angle from pole.** Loosen angle clamp lock nuts and set screws on both sides of cleaner (Fig. 2). Slide angle clamps off each end of the angle and remove blade angle assembly from pole.

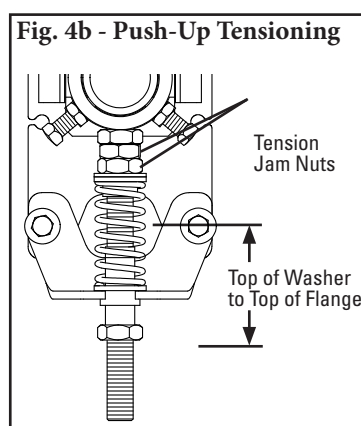
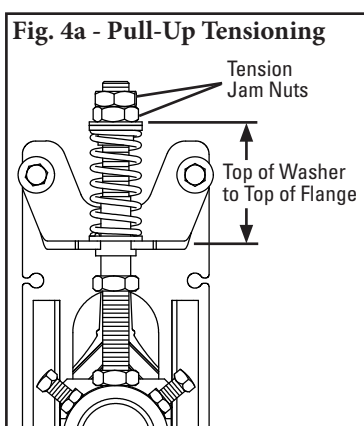
- 3. Replace cushions.** Cushions may be removed from angle by sliding them off each end, or entire angle with all cushions may be replaced at once.

- 4. Reinstall blade angle.** Set new cushions and angle back on pole and slide angle clamps back onto the angle (Fig. 3). Tighten angle clamp set screws and lock nuts on both sides. Verify blades are centered and perpendicular to belt.



- 5. Set blade tension.** Turn adjustment nuts until correct spring compression is reached (Fig 4). Spring compression is determined by spring length. See chart below for correct spring length for your belt width.

- 6. Test run cleaner and inspect cleaning performance.** If vibration occurs or more cleaning efficiency is desired, increase blade tension by making 3mm (1/8") compression adjustments on tension springs.



#### YST HD Tensioner Spring Length Chart

Blade Width	Carbide Tip				Polyurethane Tip				
	Silver Springs		Black Springs		Green Springs		Blue Springs		
mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
900	36	98	3 7/8	102	4	76	3	86	3 3/8
1050	42	95	3 3/4	98	3 7/8	73	2 7/8	83	3 1/4
1200	48	92	3 5/8	95	3 3/4	67	2 5/8	79	3 1/8
1350	54	89	3 1/2	95	3 3/4	64	2 1/2	76	3
1500	60	86	3 3/8	92	3 5/8	NA	NA	73	2 7/8
1800	72	83	3 1/4	89	3 1/2	NA	NA	64	2 1/2

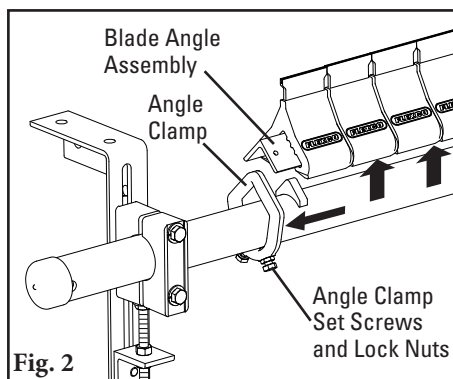
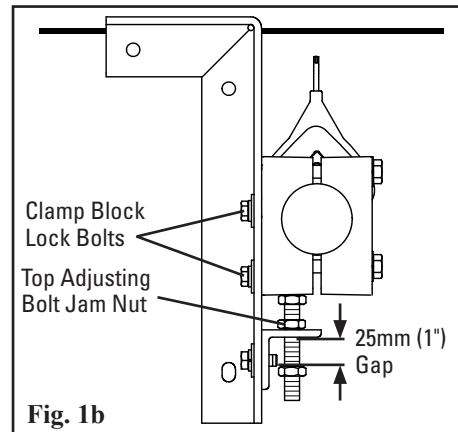
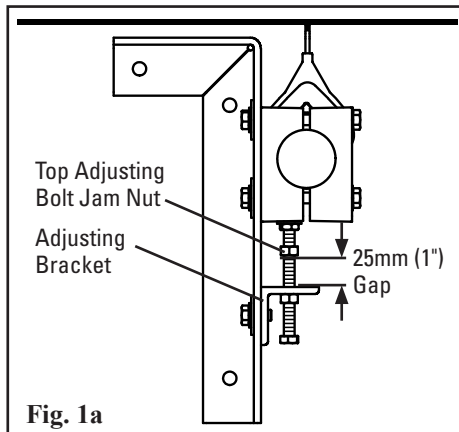
Shading indicates preferred spring option.

## Section 6 – Maintenance (cont.)

### 6.5 Blade Replacement Instructions

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

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

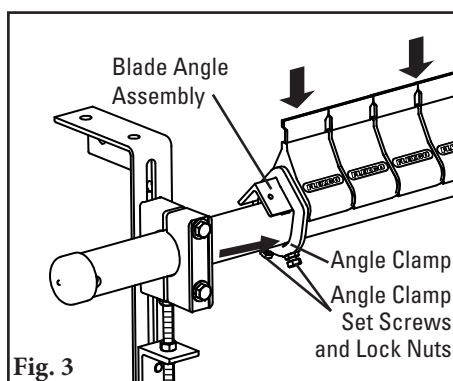


#### 2. Remove blade angle from pole.

Loosen angle clamp lock nuts and set screws on both sides of cleaner (Fig. 2). Slide angle clamps off each end of angle and remove blade angle assembly from pole.

#### 3. Replace the cushions.

Cushions may be removed from the angle by sliding them off each end, or entire angle with all cushions may be replaced at once.

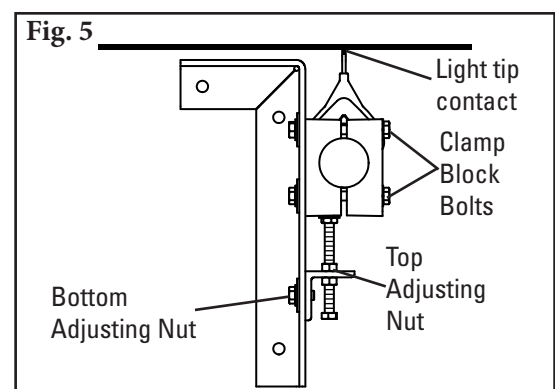


#### 4. Reinstall blade angle.

Set new cushions and angle back on pole and slide angle clamps back onto the angle (Fig. 3). Tighten angle clamp set screws and lock nuts on both sides. Verify blades are centered and perpendicular to belt.

- Set blade tension.** Refer to the previous instruction on how to correctly set the blade tension. For YST tensio, please refer to page 8. For bolt tension, please refer to page 12. For MST Tension, please refer to page 14.

**Test run cleaner and inspect cleaning performance.** If vibration occurs or more cleaning efficiency is desired, increase blade tension.



## Section 6 – Maintenance (cont.)

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### 6.6 Maintenance Log

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

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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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 (cont.)

### 6.7 Cleaner Maintenance Checklist

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

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

**Beltline Information:**

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

Belt Width:  900mm  1050mm  1200mm  1350mm  1500mm  1800mm  
(36") (42") (48") (54") (60") (72")

Head Pulley Diameter (Belt & Lagging): \_\_\_\_\_

Belt Speed: \_\_\_\_\_ m/s 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

Blade wear: 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
Vibration	Cleaner secure bolts not set	Ensure all locking nuts are tight (Loctite)
	Cleaner not set up correctly	Ensure cleaner set up properly (check tip angle)
	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 (check tip angle)
	Buildup on chute	Ensure cleaner is not located too close to back of chute, allowing buildup
	Cleaner being overburdened	Introduce Flexco Primary Cleaner
	Excessive sticky material	Frequently clean unit of buildup
Cleaner not conforming to belt	Cleaner not set up correctly	Ensure cleaner set up properly (check tip angle)
	Belt tension too high	Ensure cleaner can conform to belt, introduce hold-down roller, 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, introduce hold-down roller, or replace with alternate Flexco secondary cleaner
Material passing cleaner	Cleaner not set up correctly	Ensure cleaner set up properly (check tip angle)
	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 Primary Cleaner
	Belt flap	Introduce hold-down roller to flatten belt
	Belt worn or grooved	Introduce water spray pole
	Cleaner cannot conform	Ensure cleaner can conform to belt, introduce hold-down roller, or replace with alternate Flexco secondary cleaner
Missing material in belt centre only	Cupped Belt	Install hold-down roller and reset blade angle
	Cleaner blade worn/damaged	Check blade for wear, damage and chips, replace where necessary
Missing material on outer edges only	Cupped Belt	Install hold-down roller and reset blade angle
	Cleaner blade worn/damaged	Check blade for wear, damage and chips, replace where necessary
Tensioners binding	Tensioners not aligned properly	Adjust mounting bases until tensioners travel without binding

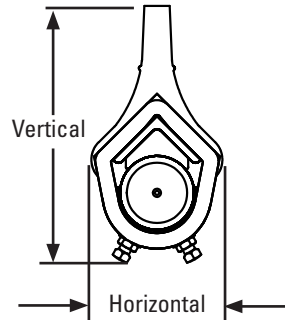
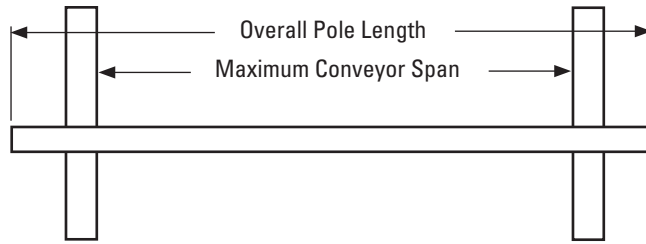
# Section 8 – Specifications and CAD Drawings

## 8.1 Specifications and Guidelines

### Pole Length Specifications

Cleaner Size		Pole Length		Maximum Conveyor Span	
mm	in.	mm	in.	mm	in.
900	36	2286	90	2083	82
1050	42	2438	96	2235	88
1200	48	2590	102	2388	94
1350	54	2743	108	2540	100
1500	60	2895	114	2692	106
1800	72	3200	126	2997	118

Pole Length - Belt +1350mm (54")  
 Pole Diameter - 73mm (2-7/8")

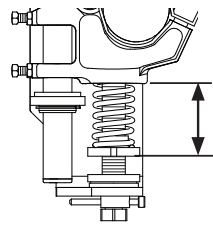


### Clearance Guidelines for Installation

Cleaner Type	Belt Width/ Cleaner Size		Horizontal Clearance Required		Vertical Clearance Required	
	mm	in.	mm	in.	mm	in.
Y-Type® HD Polyurethane	900 - 1800	36 - 72	133	5-1/4	241	9-1/2
Y-Type HD Carbide	900 - 1800	36 - 72	133	5-1/4	248	9-3/4

### MST Tensioner Spring Length Chart

Blade Width	Preferred Spring	2 White Springs	2 Silver Springs	2 Black Springs	2 Gold Springs
		mm	mm	mm	mm
900	Silver	53	80	84	89
1050	Silver	N/A	78	81	88
1200	Silver	N/A	75	79	87
1350	Silver	N/A	72	77	85
1500	Black	N/A	70	75	84
1650	Black	N/A	67	73	83
1800	Black	N/A	N/A	71	81



### Y-Type Blade Specifications

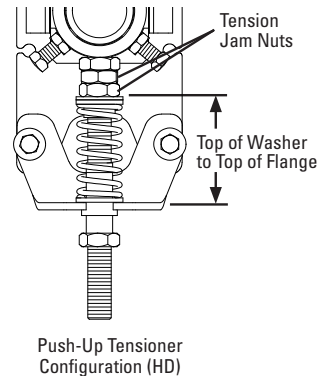
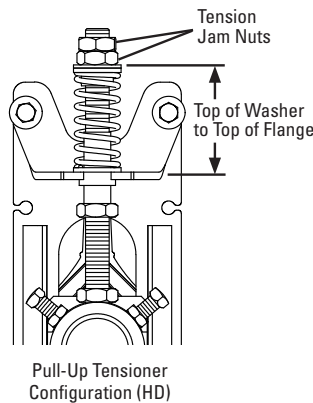
Cushion	Durometer	Temperature Range
Purple (Standard)	86A	-35° to 82° C -30° to 180° F
Red (Ultra High-Temp)	90A	Up to 400° F (200° C) Spikes to 450° F (232° C)
Carbide	n/a	-35° to 82° C -30° to 180° F

†All ingredients used in the polyurethane formulation of this blade comply with the relevant requirements of 21 CFR (FDA Code of Federal Regulations) for use in repeated bulk dry food applications

### YST HD Tensioner Spring Length Chart

Blade Width	Carbide Tip				Polyurethane Tip			
	Silver Springs		Black Springs		Green Springs		Blue Springs	
mm	in.	mm	in.	mm	in.	mm	in.	
900	36	98 3/8	102	4	76	3	86	3 3/8
1050	42	95 3/4	98 3/8	73	2 7/8	83	3 1/4	
1200	48	92 3/8	95 3/4	67	2 5/8	79	3 1/8	
1350	54	89 1/2	95 3/4	64	2 1/2	76	3	
1500	60	86 3/8	92 3/8	NA	NA	73	2 7/8	
1800	72	83 1/4	89 1/2	NA	NA	64	2 1/2	

Shading indicates preferred spring option.



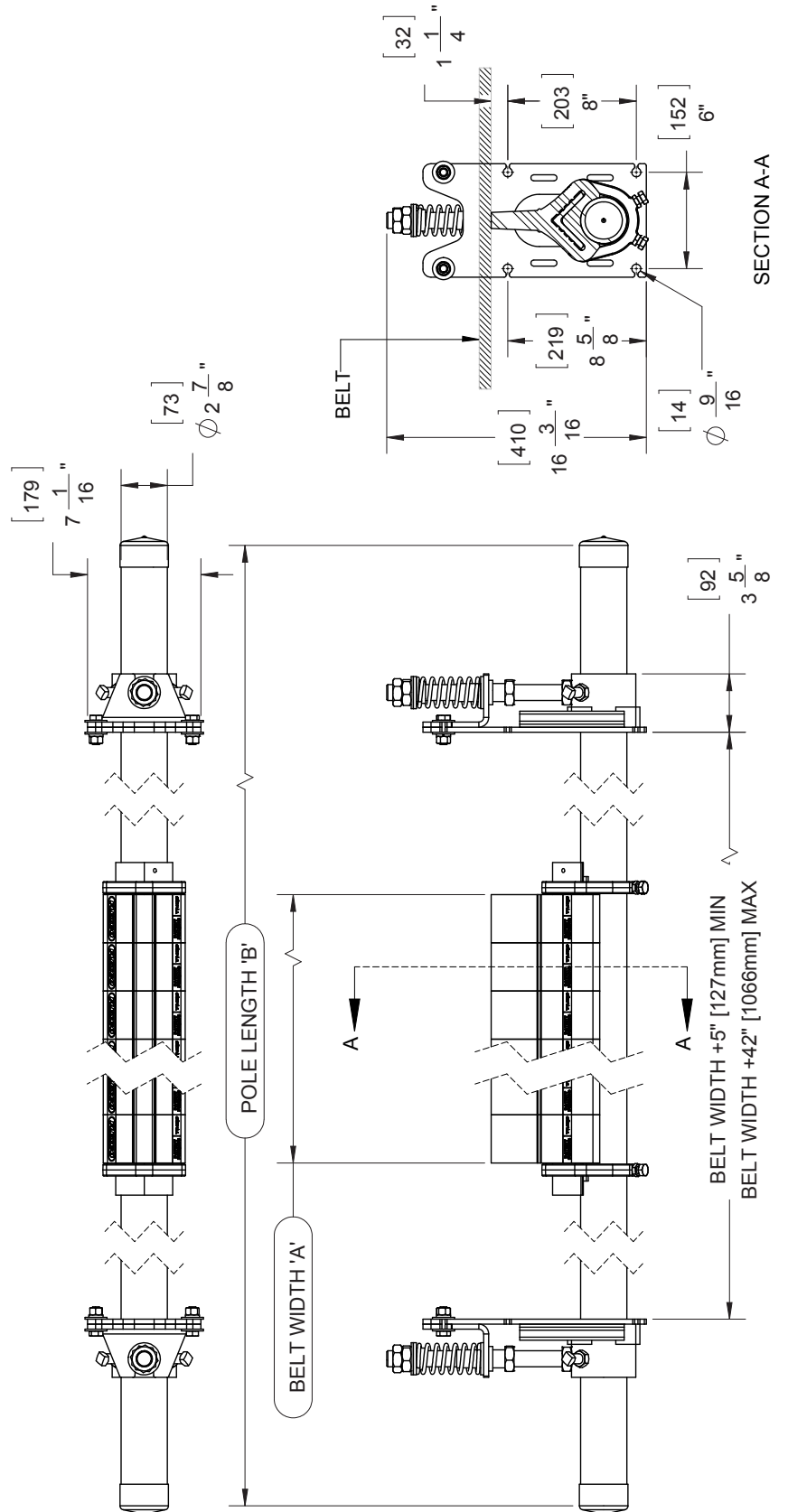
### Specifications:

- Maximum Belt Speed..... 3.8 m/s (750 FPM)
- Temperature Rating..... -35°C to 82°C (-30°F to 180°F)
- Usable Blade Wear Length..... 75mm (3") (Polyurethane)  
10mm (3/8") (Carbide)
- Blade Materials..... **Purple:** Polyurethane (proprietary blend for abrasion resistance and long wear)  
**Red:** Polyurethane (ultra high-temp)  
**Carbide:** Tungsten Carbide
- Available for Belt Widths..... 900 to 1800mm (36" to 72"). Other sizes available upon request.
- CEMA Cleaner Rating ..... Class 3 (Heavy-duty with polyurethane or carbide blades)

# Section 8 – Specifications and CAD Drawings (cont.)

## 8.2 CAD Drawing – Y-Type™ HD Polyurethane with YST Tensioner

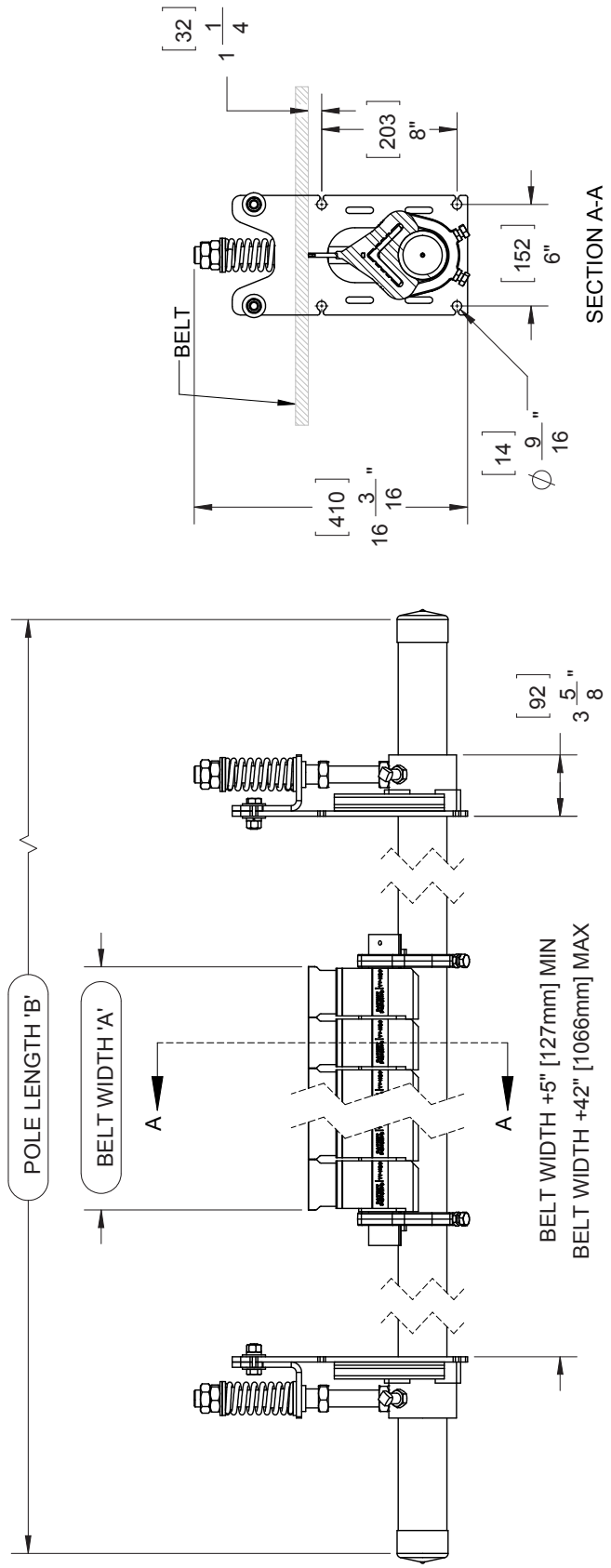
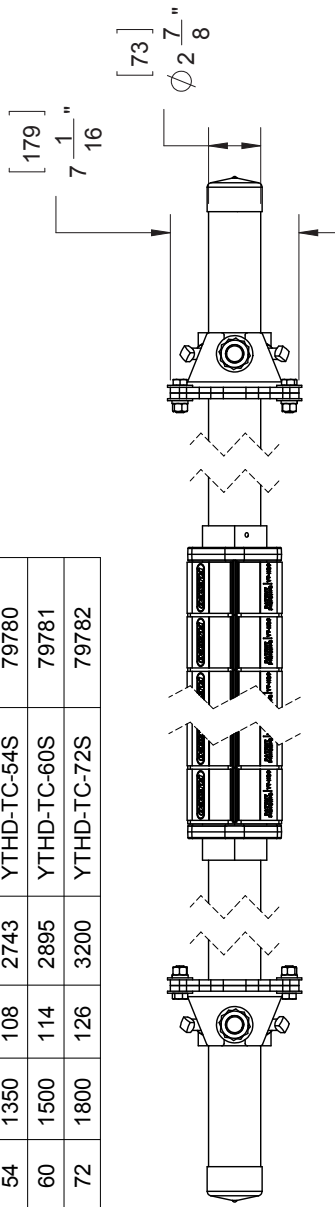
SPECIFICATIONS			PURPLE BLADES		RED BLADES	
BELT WIDTH 'A'		POLE LENGTH 'B'	ORDER NUMBER	ITEM CODE	ORDER NUMBER	ITEM CODE
in	mm	mm				
36	900	90	YTHD-36S	79783	YTHDR-36S	91816
42	1050	96	YTHD-42S	79784	YTHDR-42S	91817
48	1200	102	YTHD-48S	79785	YTHDR-48S	91818
54	1350	108	YTHD-54S	79786	YTHDR-54S	91819
60	1500	114	YTHD-60S	79787	YTHDR-60S	91820
72	1800	126	YTHD-72S	79788	YTHDR-72S	91821



# Section 8 – Specifications and CAD Drawings (cont.)

## 8.3 CAD Drawing – Y-Type™ HD Carbide with YST Tensioner

SPECIFICATIONS		ORDER NUMBER	ITEM CODE
BELT WIDTH 'A'	POLE LENGTH 'B'		
(IN)	(IN)		
(mm)	(mm)		
36	90	YTHD-TC-36S	79777
42	1050	YTHD-TC-42S	79778
48	1200	YTHD-TC-48S	79779
54	1350	YTHD-TC-54S	79780
60	1500	YTHD-TC-60S	79781
72	1800	YTHD-TC-72S	79782

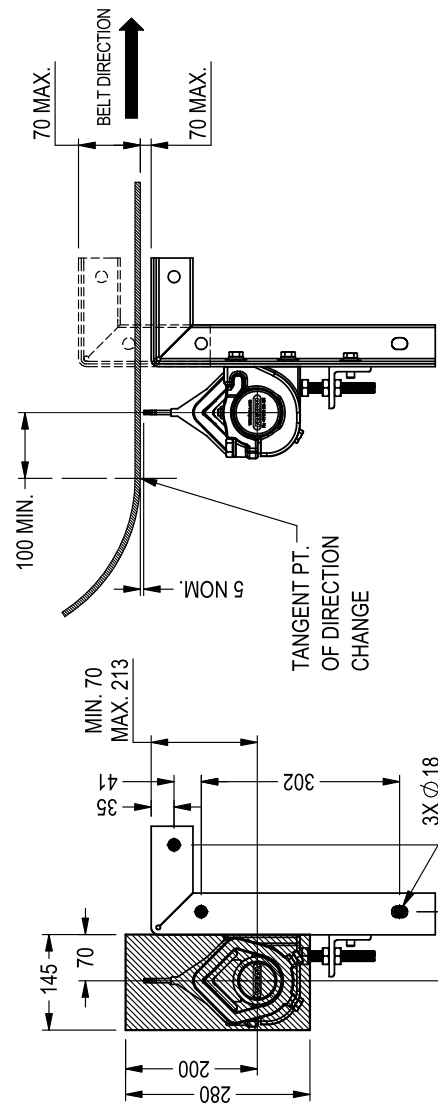
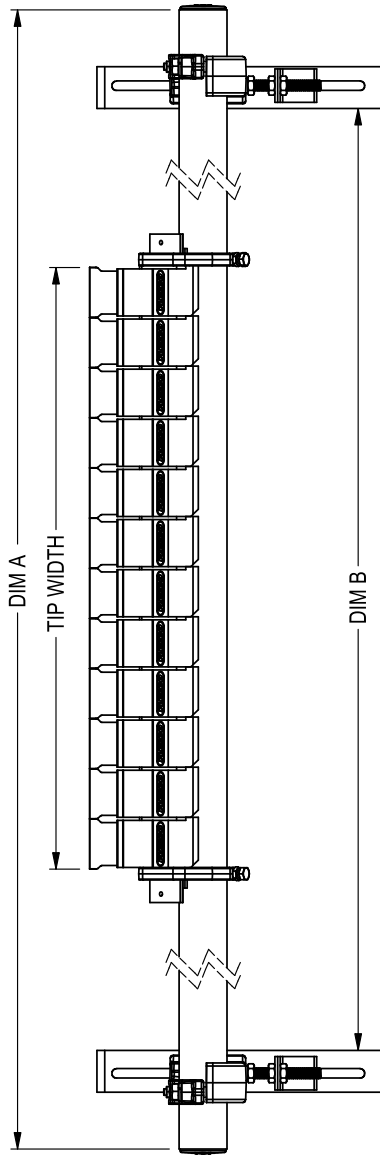




# Section 8 – Specifications and CAD Drawings (cont.)

## 8.4 CAD Drawing – Y-Type™ HD Carbide with Bolt-Up Tensioner

ORDERING INFORMATION & DIMENSIONS																	
Belt Width		Tip		Steel				Stainless Steel				Tip		DIM 'A'		DIM 'B'	
(mm)	(in)	Width		Order Code	Item Code	Mass	Order Code	Item Code	Mass	Count		Max	Min		Max	Min	
900	36	900		YTHDC-900-BT	83099	62.8	YTHDC-900-BT-S/S	67290	64.7	12		1900	1100	2200	1900	1100	
1050	42	1050		YTHDC-1050-BT	83100	67.4	YTHDC-1050-BT-S/S	67291	69.3	14		2050	1250	2350	2050	1250	
1200	48	1200		YTHDC-1200-BT	83101	73.6	YTHDC-1200-BT-S/S	67292	75.6	16		2350	1400	2650	2350	1400	
1350	54	1350		YTHDC-1350-BT	83102	77.0	YTHDC-1350-BT-S/S	67293	79.1	18		2400	1550	2700	2400	1550	
1500	60	1500		YTHDC-1500-BT	83103	82.7	YTHDC-1500-BT-S/S	67294	84.8	20		2650	1700	2950	2650	1700	
1650	66	1650		YTHDC-1650-BT	83104	87.3	YTHDC-1650-BT-S/S	68157	89.4	22		2800	1850	3100	2800	1850	
1800	72	1800		YTHDC-1800-BT	83105	89.0	YTHDC-1800-BT-S/S	67295	91.1	24		2700	2000	3000	2700	2000	



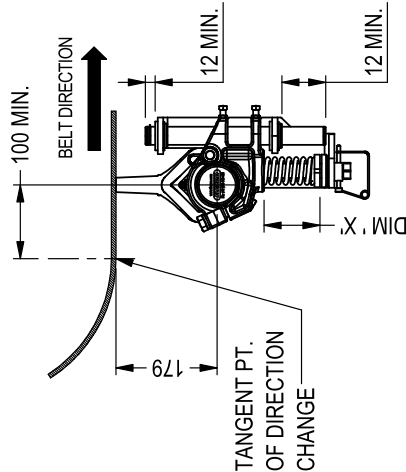
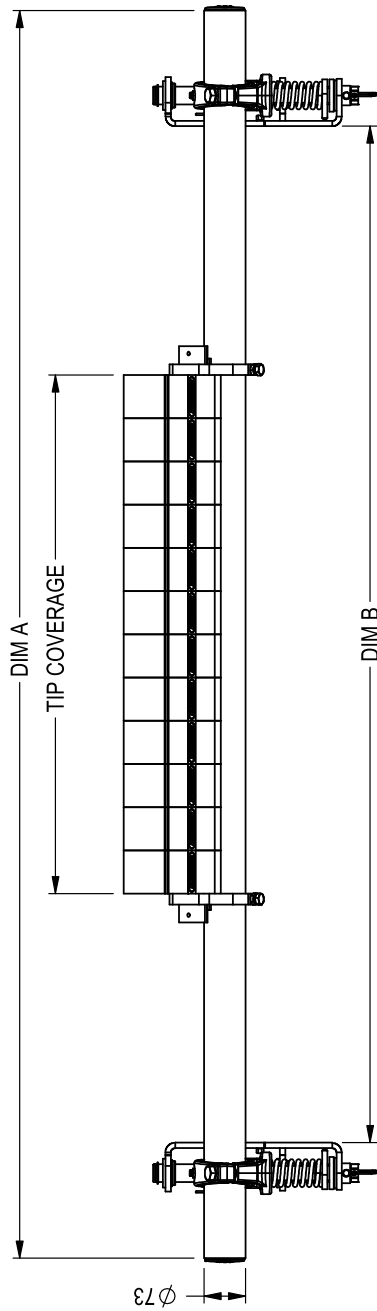
SETUP DETAILS

MOUNTING DETAILS

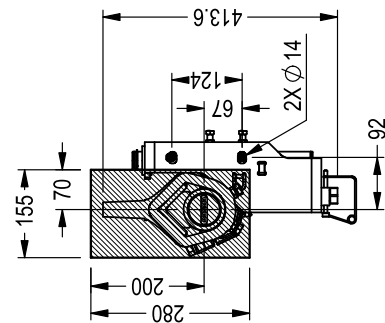
# Section 8 – Specifications and CAD Drawings (cont.)

## 8.5 CAD Drawing – Y-Type™ HD Polyurethane with MST Tensioner

ORDERING INFORMATION & DIMENSIONS															
BELT WIDTH (mm)		BELT WIDTH (in)		TIP COVERAGE	STEEL			STAINLESS STEEL			TIP COUNT	DIM 'A'		DIM 'B'	
					ORDER CODE	ITEM CODE	MASS	ORDER CODE	ITEM CODE	MASS		Max	Min		
600	36	600	600	YTHD-600S-MST	68085	45.6	68085	67320	47.7	8	1350	1050	800		
750	42	750	750	YTHD-750S-MST	68086	50.1	68086	67282	52.2	10	1500	1200	900		
900	48	900	900	YTHD-900S-MST	64985	60.7	64985	67314	90.6	12	2200	1900	1600		
1050	54	1050	1050	YTHD-1050S-MST	64986	65.1	64986	67315	67.5	14	2350	2050	1750		
1200	60	1200	1200	YTHD-1200S-MST	64987	71.2	64987	67316	73.7	16	2650	2350	2050		
1350	66	1350	1350	YTHD-1350S-MST	64988	74.5	64988	67317	77.0	18	2700	2400	2100		
1500	60	1500	1500	YTHD-1500B-MST	64989	80.3	64989	67318	80.2	20	2950	2650	2350		
1650	66	1650	1650	YTHD-1650B-MST	64990	84.7	64990	67056	87.4	22	3100	2800	2500		
1800	72	1800	1800	YTHD-1800B-MST	64991	86.3	64991	67319	88.9	24	3000	2700	2400		



SETUP DETAILS

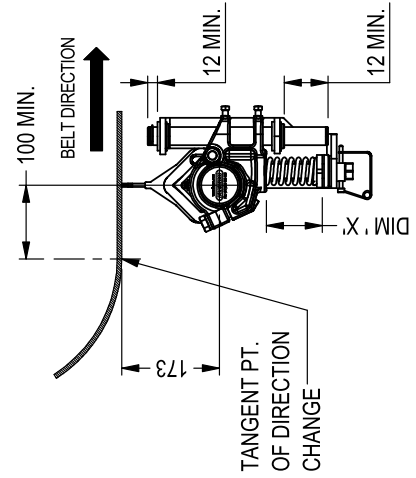
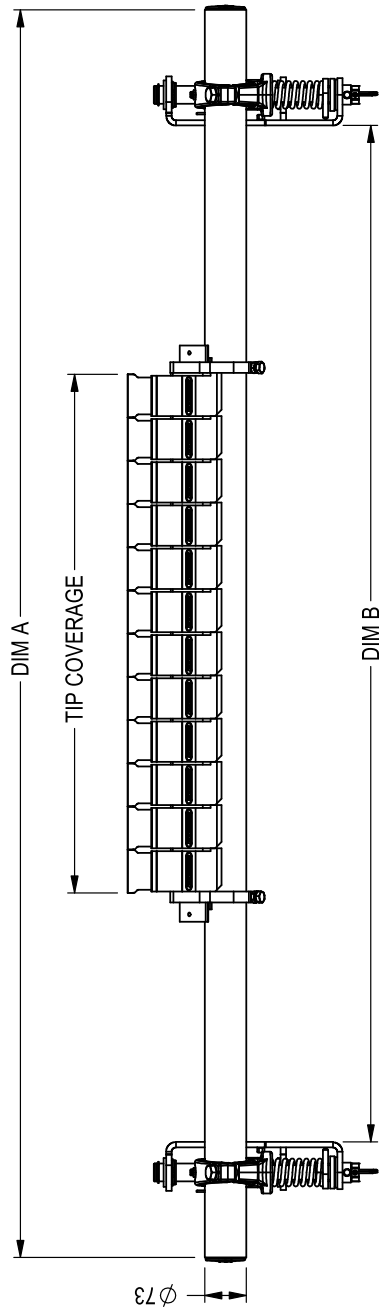


MOUNTING DETAILS

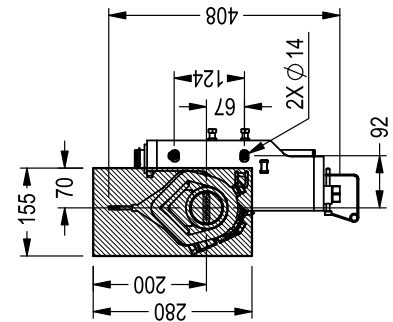
# Section 8 – Specifications and CAD Drawings (cont.)

## 8.6 CAD Drawing – Y-Type™ HD Carbide with MST Tensioner

ORDERING INFORMATION & DIMENSIONS																	
BELT WIDTH (mm)		TIP COVERAGE (in)		STEEL				STAINLESS STEEL				TIP COUNT		DIM 'A'		DIM 'B'	
				ORDER CODE	ITEM CODE	MASS	ORDER CODE	ITEM CODE	MASS								
600	36	600	600	YTCHD-600S-MST	68087	46.2	YTCHD-600S-MST-S/S	68082	48.3	8	1350	800					
750	42	750	750	YTCHD-750S-MST	68088	50.8	YTCHD-750S-MST-S/S	68083	52.9	10	1500	900					
900	48	900	900	YTCHD-900S-MST	68089	61.6	YTCHD-900S-MST-S/S	67308	63.9	12	2200	1600					
1050	54	1050	1050	YTCHD-1050S-MST	68090	66.1	YTCHD-1050S-MST-S/S	67309	68.5	14	2350	1750					
1200	60	1200	1200	YTCHD-1200S-MST	68091	72.4	YTCHD-1200S-MST-S/S	67310	74.8	16	2650	2050					
1350	66	1350	1350	YTCHD-1350S-MST	68092	75.8	YTCHD-1350S-MST-S/S	67311	78.3	18	2700	2100					
1500	60	1500	1500	YTCHD-1500B-MST	68093	81.8	YTCHD-1500B-MST-S/S	67312	84.3	20	2950	2350					
1650	66	1650	1650	YTCHD-1650B-MST	68094	86.3	YTCHD-1650B-MST-S/S	68084	88.9	22	3100	2500					
1800	72	1800	1800	YTCHD-1800B-MST	68095	88.0	YTCHD-1800B-MST-S/S	67313	90.6	24	3000	2400					



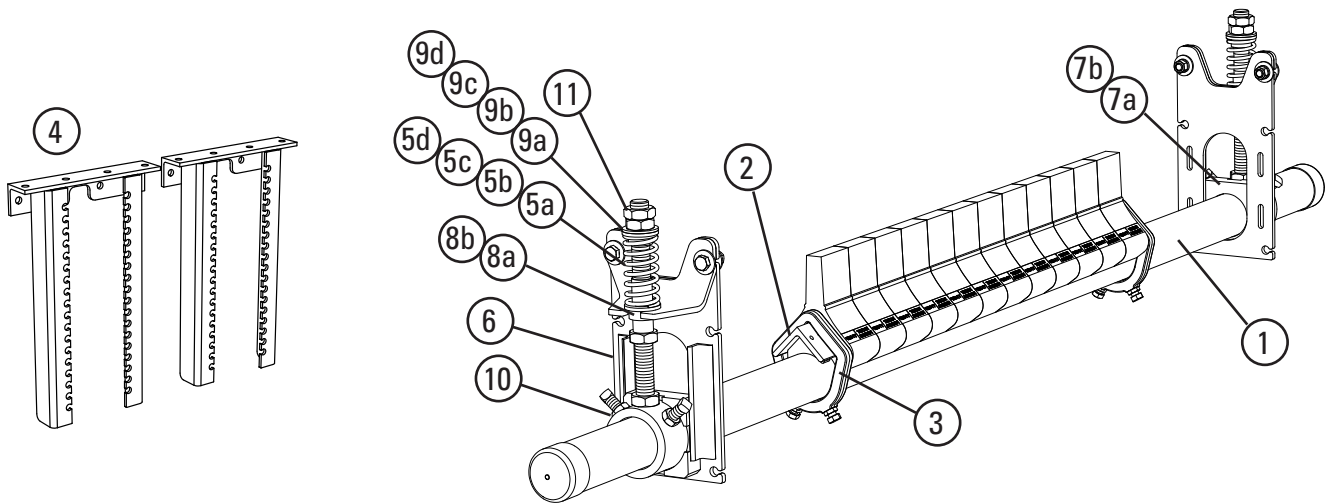
SETUP DETAILS



MOUNTING DETAILS

# Section 9 – Replacement Parts List

## 9.1 Replacement Parts List- Y-Type™ HD Secondary Belt Cleaner



### Replacement Parts

REF	DESCRIPTION	ORDERING NUMBER	ITEM CODE	WT. KG.
1	900mm (36") Y-Type™ HD Pole	YTPHD-36/900	83106	27.3
	1050mm (42") Y-Type HD Pole	YTPHD-42/1050	83107	28.8
	1200mm (48") Y-Type HD Pole	YTPHD-48/1200	83108	30.4
	1350mm (54") Y-Type HD Pole	YTPHD-54/1350	83109	31.9
	1500mm (60") Y-Type HD Pole	YTPHD-60/1500	83110	33.5
	1800mm (72") Y-Type HD Pole	YTPHD-72/1800	83112	35.0
2	900mm (36") Y-Type HD Cushion Angle	YTAHD-36/900	79805	7.5
	1050mm (42") Y-Type HD Cushion Angle	YTAHD-42/1050	79806	8.6
	1200mm (48") Y-Type HD Cushion Angle	YTAHD-48/1200	79807	9.7
	1350mm (54") Y-Type HD Cushion Angle	YTAHD-54/1350	79808	10.9
	1500mm (60") Y-Type HD Cushion Angle	YTAHD-60/1500	79809	12.0
	1800mm (72") Y-Type HD Cushion Angle	YTAHD-72/1800	79810	14.2
3	Y-Type HD Angle Clamp* (2 Clamps)	YTACHD	79835	2.2
4	YST HD Drop Bracket Kit (2 Brackets)	YSTDDBK	79850	14.6
5a	YST HD Spring, Green	YSTDHS-GR	79797	0.2
5b	SST Spring, Silver	STS-S	75843	0.4
5c	YST HD Spring, Blue (for Y-Type HD Carbide Cleaners)	YSTDHS-BL	79798	0.3
5d	SST Spring, Black (for Y-Type HD Carbide Cleaners)	STS-B	75844	0.5
6	YST HD Mounting Bracket	YSTDHMB	79849	3.0
7a	YST HD Guide Block Kit (Pair)	YSTDHGBK	79851	0.05
7b	YST HD Guide Block Kit UHT (Pair)	YSTDHGBK-R	91829	0.05
8a	YST HD Lower Bushing Kit (Pair)	YSTDHLBK	79852	0.05
8b	YST HD Lower Bushing Kit UHT (Pair)	YSTDHLBK-R	91830	0.05
9a	YST HD Top Bushing Kit White (Pair)	YSTDHBK-W	79853	0.05
9b	YST HD Top Bushing Kit Black (Pair)	YSTDHBK-B	79856	0.05
9c	YST HD Top Bushing Kit Green (Pair)	YSTDHBK-GR-R	91832	0.05
9d	YST HD Top Bushing Kit Blue (Pair)	YSTDHBK-BL-R	91831	0.05
10	YST HD Pole Mount Kit*	YSTPHDMK	79854	3.5
11	YST Adjusting Rod Nut Kit	YSTANK	79858	0.1

\*Hardware included

### Replacement Parts

REF	DESCRIPTION	ORDERING NUMBER	ITEM CODE	WT. KG.
-	YST Tensioner w/Silver Spring (Pair) (for belts 900 - 1350 mm w/carbide tips) (incl. 2 ea. item 5b, 6, 10, 11; 1 ea. items 7, 8, 9a)	YSTHD-S	79840	15.2
-	YST Tensioner w/Black Spring (Pair) (for belts 1500 - 1800 mm w/carbide tips) (incl. 2 ea. item 5d, 6, 10, 11; 1 ea. items 7, 8, 9b)	YSTHD-BK	79842	15.5
-	YST Tensioner w/Green Spring (Pair) (for belts 900 - 1200 mm w/Polyurethane tips) (incl. 2 ea. item 5a, 6, 10, 11; 1 ea. items 7, 8, 9a)	YSTHD-GR	79839	14.9
-	YST Tensioner w/Blue Spring (Pair) (for belts 1350 - 1800 mm w/Polyurethane tips) (incl. 2 ea. item 5c, 6, 10, 11; 1 ea. items 7, 8, 9b)	YSTHD-BL	79841	15.0
-	YST Tensioner w/Green Spring UHT (Pair) (for belts 900 - 1200mm w/ UHT Polyurethane tips) (incl. 2 ea. item 5a, 6, 10, 11; 1 ea. items 7b, 8b, 9c)	YSTHD-GR-R	91833	14.9
-	YST Tensioner w/Blue Spring UHT (Pair) (for belts 1350 - 1800mm w/UHT Polyurethane tips) (incl. 2 ea. item 5c, 6, 10, 11; 1 ea. items 7b, 8b, 9d)	YSTHD-BL-R	91834	15.0
-	P Adjusting Bracket	PAB	75513	1.0
-	P Pole Clamp	PHDCB	75510	4.0
-	P Mounting Bracket Repair Kit	PMBL (left)	75516	3.8
-	(includes left or right mounting bracket)	PMBR (right)	75519	3.8
-	P/R/I Mounting Kit (includes 2 each items PMB, PAB, PHDCB)	PIHMK	73160	14

### Blades Required per Cleaner Size

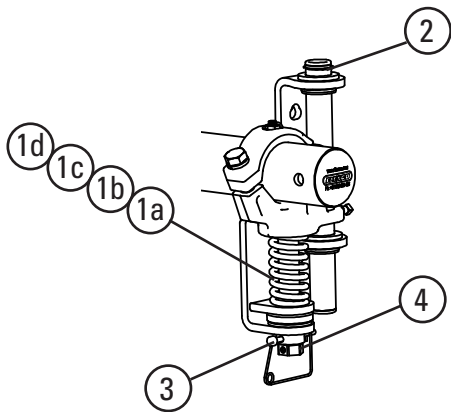
mm	900	1050	1200	1350	1500	1800
in.	36	42	48	54	60	72
<b>Blades Required</b>	12	14	16	18	20	24

### Spring Tensioner Selection Chart

Cleaner Blade Width	Silver YSTHD-S	Black YSTHD-BK	Green YSTHD-GR	Blue YSTHD-BL
Carbide 900 - 1350mm (36" - 54")	X			
Carbide 1500 - 1800mm (60" - 72")		X		
Polyurethane 900 - 1200mm (36" - 48")			X	
Polyurethane 1350 - 1800mm (54" - 72")				X

## Section 9 – Replacement Parts List

### 9.1 Replacement Parts List- Y-Type™ HD Secondary Belt Cleaner (cont.)



#### MST Replacement Parts

REF	DESCRIPTION	ORDERING NUMBER	ITEM CODE	WT. KG.	ORDERING NUMBER	ITEM CODE	WT. KG.
1a	Tension Spring - White (1 ea.) for belts 450-750mm	STS-W	75846	0.2	STS-W-S/S	77630	0.2
1b	Tension Spring - Silver (1 ea.) for belts 900-1350mm	STS-S	75843	0.4	STS-S-S/S	77631	0.4
1c	Tension Spring - Black (1 ea.) for belts 1500-1800mm	STS-B	75844	0.5	STS-B-S/S	77632	0.5
1d	Tension Spring - Gold (1 ea.) for belts over 2100mm	STS-G	78142	0.5	STS-G-S/S	79057	0.5
2	MST Bushing Kit (incl. 4 bushings)	MSTBBK	63067	0.1	MSTBBK	63067	0.1
3	MST Lock Pin	MSTLP	64930	0.1	MSTLP	64930	0.1
4	MST Adjusting Mechanism	MSTAM	79435	0.5	MSTAM-S/S	64931	0.5
-	MST HD Tensioner w/White Spring	MSTHD-W	79431	16.7	MSTHD-W-S/S	90181	16.7
-	MST HD Tensioner w/Silver Spring	MSTHD-S	79432	17.0	MSTHD-S-S/S	90182	17.0
-	MST HD Tensioner w/Black Spring	MSTHD-B	79433	17.3	MSTHD-B-S/S	90183	17.3
-	MST HD Tensioner w/Gold Spring	MSTHD-G	63020	17.3	MSTHD-G-S/S	90184	17.3



## Section 10 – Other Flexco Conveyor Products

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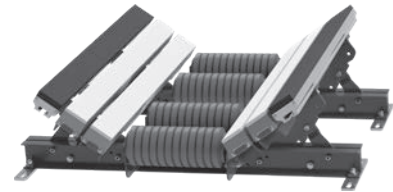
Flexco® provides many conveyor products that help your conveyors to run more efficiently and safely. These components solve typical conveyor problems and improve productivity. Here is a quick overview on just a few of them:

### 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 and 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

### Inspection Door



- Multiple door sizes available for a variety of applications.
- Dust-tight silicone seal between mounting plate and chute wall.
- Latch mechanism is designed to allow easy adjustability to tightness of door seal.
- Optional hinged, bolted screen allows safe visual inspection and does not require removal for authorised workers to access the chute.

### PT Smart™ 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 seize or freeze up
- Simple brackets and component construction ensure a quick and easy installation

### 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 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

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