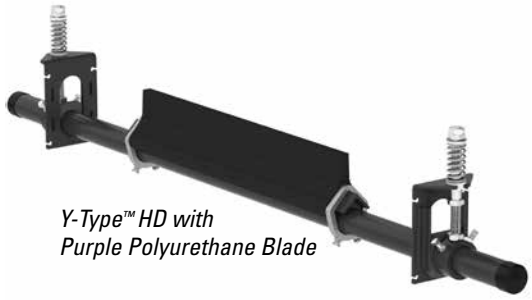
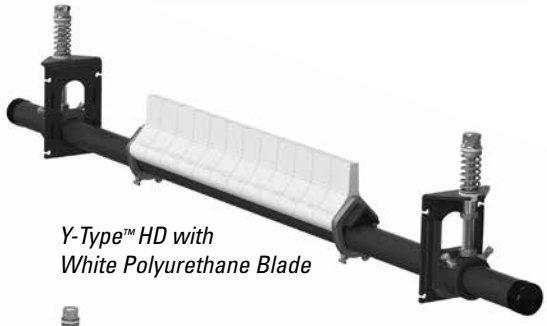
Y-Type™ Heavy-Duty Secondary Belt Cleaner

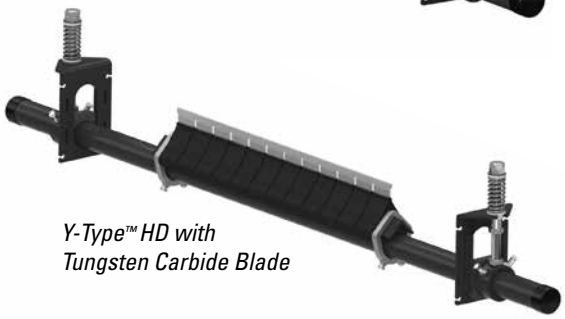
Installation, Operation and Maintenance Manual



Y-Type™ HD with Purple Polyurethane Blade



Y-Type™ HD with White Polyurethane Blade



Y-Type™ HD with Tungsten Carbide Blade

FLEXCO

Y-Type™ 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 a Y-Type™ Heavy-Duty 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: 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 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 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. 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

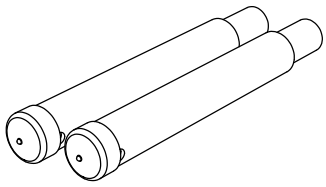
3.1 Checklist

- Check that cleaner size is correct for beltline width
- Check belt cleaner carton and make sure all parts are included
- Review "Tools Needed" list on top of installation instructions
- Check the conveyor site:
  - Will cleaner be installed on a chute
  - Is the install on an open head pulley requiring mounting structure

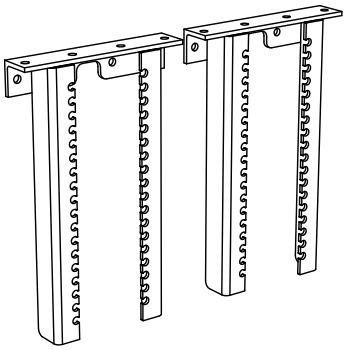
3.2 Optional Installation Accessories

Pole extenders are available for wide, non-standard conveyor structures.

76024
HD Pole Extender Kit
- Provides 30" (750mm) of extended pole length
- Includes 2 pole extenders



79850
YST HD Drop Bracket Kit
- Includes 2 drop brackets



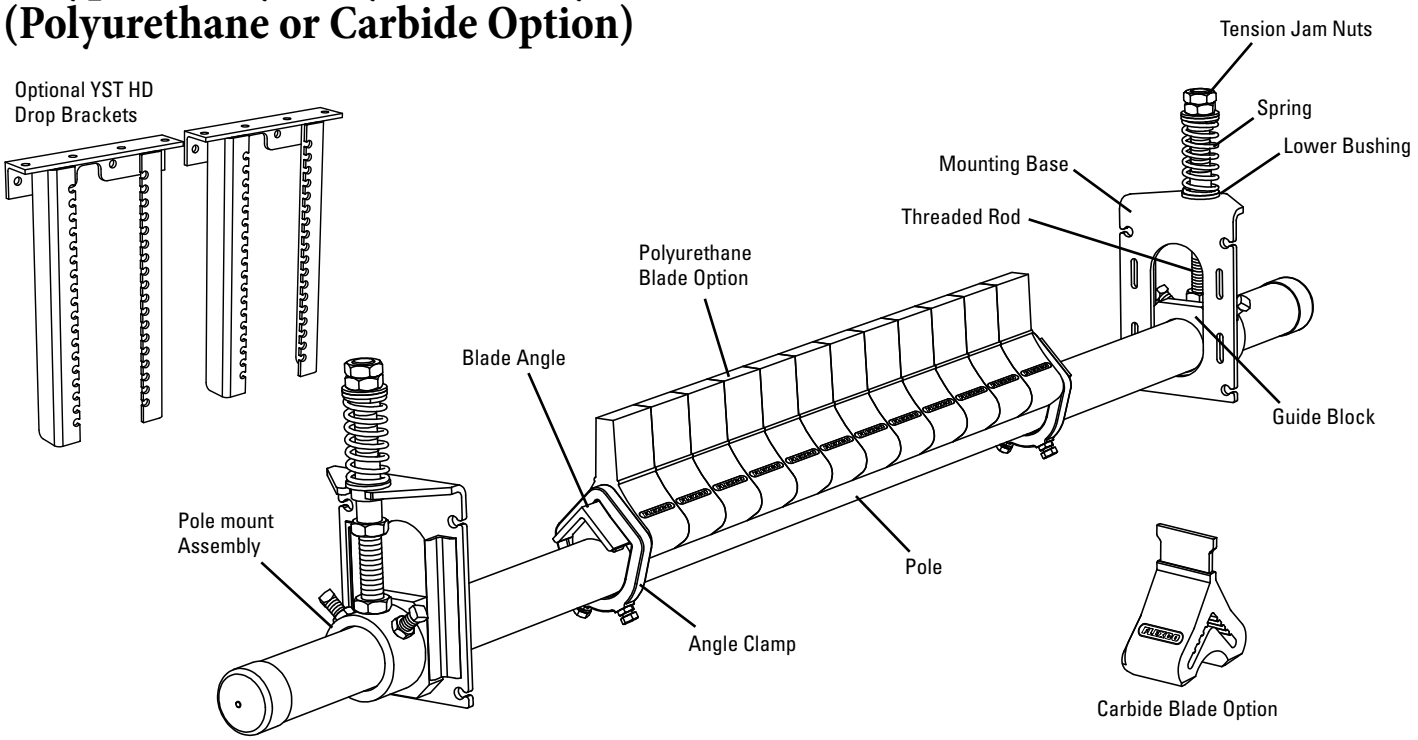
Optional Installation Accessories

Description	Ordering Number	Item Code	Wt. Lbs.
Pole Extender Kit	MAPEK	76024	21.9
YST HD Drop Bracket Kit	YSTHDDBK	79850	32.0

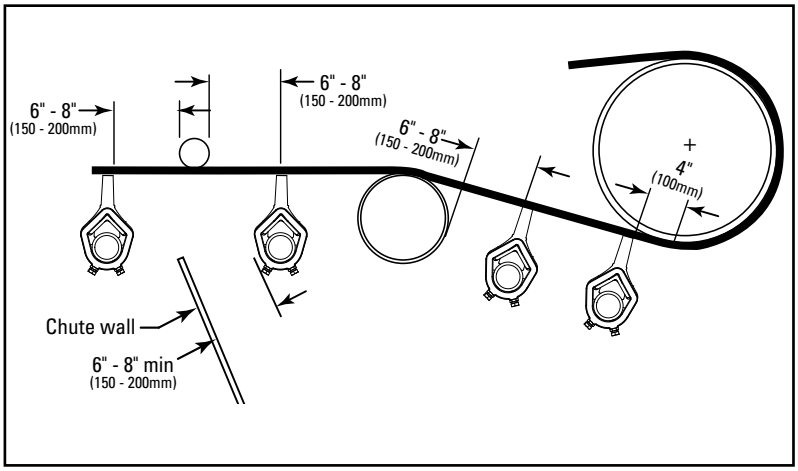
Lead time: 1 working day

Section 4 – Installation Instructions

Y-Type™ Heavy-Duty Secondary Belt Cleaner (Polyurethane or Carbide Option)



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



Tools Needed

- 15/16" (24mm) Wrench
- 3/4" (19mm) Wrench
- 1 1/2" (38mm) Wrench

OR Large Adjustable Wrench & Channel Locks

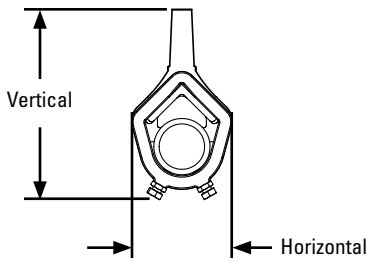
- Tape Measure
- Ratchet with 3/4" (19mm) Socket
- (2) 6" C-Clamps (for Temporary Positioning of Mounting Brackets)
- Cutting Torch and/or Welder
- Marking Pen

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.

Clearance Requirements for Installation

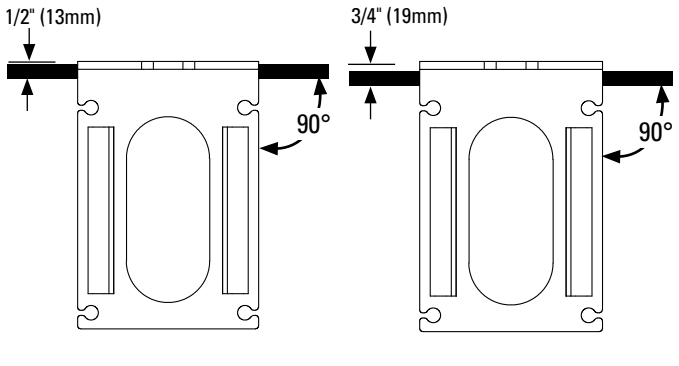
	Vertical	Horizontal
Y-Type Polyurethane	9-3/4" (248mm)	5-1/4" (133mm)
Y-Type Carbide	9-1/2" (241mm)	5-1/4" (133mm)



Section 4 – Installation Instructions (cont.)

Y-Type™ Heavy-Duty Secondary Belt Cleaner

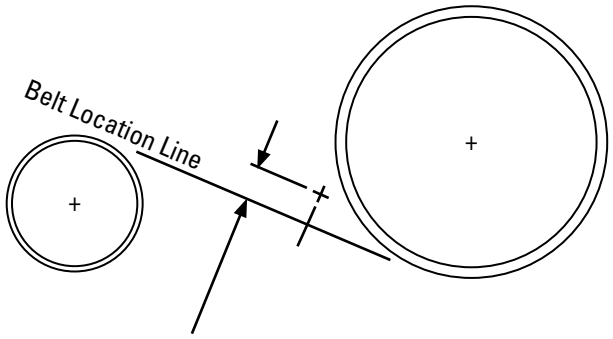
Fig. 1a



Polyurethane
Top of flange 1/2" (13mm) above bottom of belt

Carbide
Top of flange 3/4" (19mm) above bottom of belt

Fig. 1b (Chute Mounting)



Polyurethane: Top of flange 1/2" (13mm) above bottom of belt
Carbide: Top of flange 3/4" (19mm) above bottom of belt

1. **Install spring tensioner mounting bases.**

   Clamp the mounting base into position so top flange of base is located the proper distance above bottom of belt (Fig. 1a). 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 the 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 the belt line. Make a mark at the proper distance above bottom of belt (Fig. 1b).

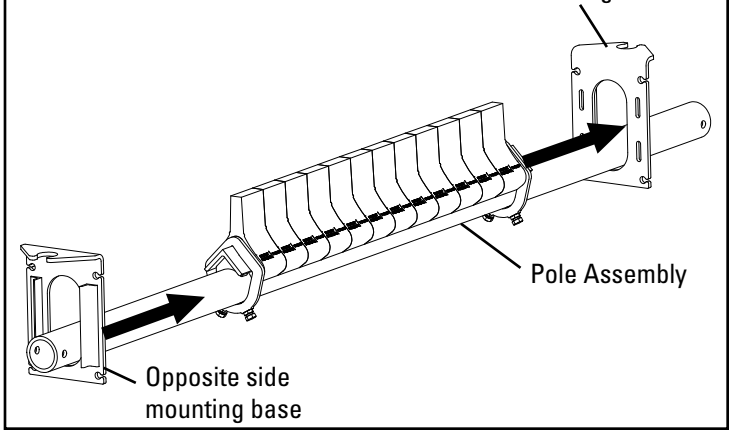
   Locate a mounting bracket perpendicular to belt location line (Fig. 1b), aligning top mounting bracket flange with mark made in previous step. Bolt bracket in place. Repeat this step on opposite side. Cut access holes using provided mounting template.

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

2. **Install 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).

Fig. 2



Y-Type™ Heavy-Duty Secondary Belt Cleaner

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

Fig. 3a

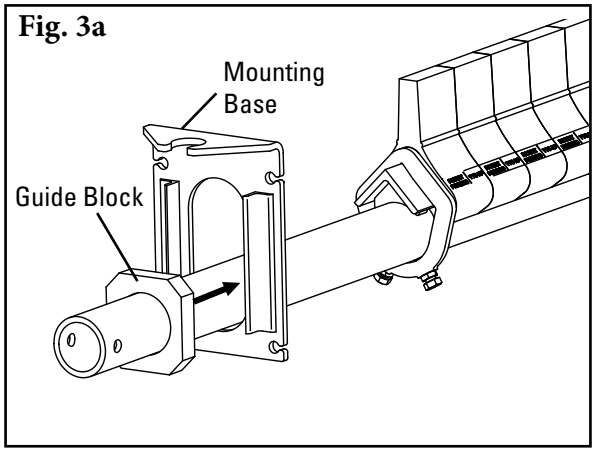
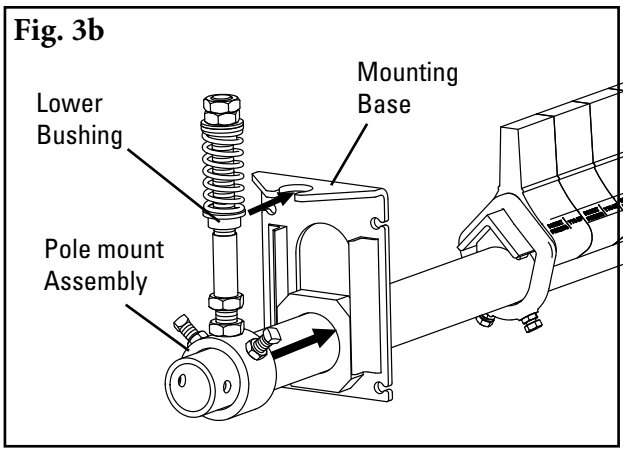


Fig. 3b



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

5. **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.

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

Fig. 4

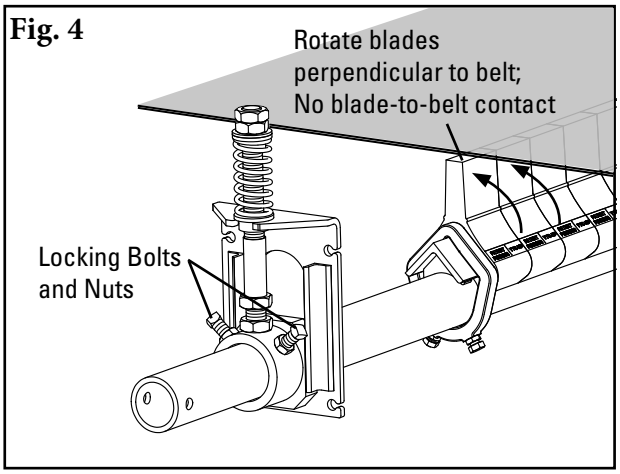
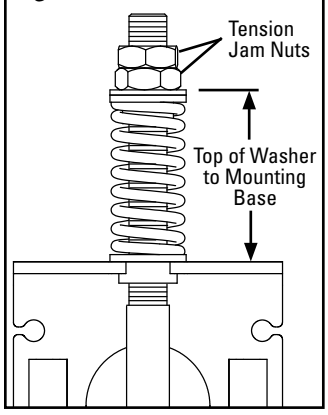


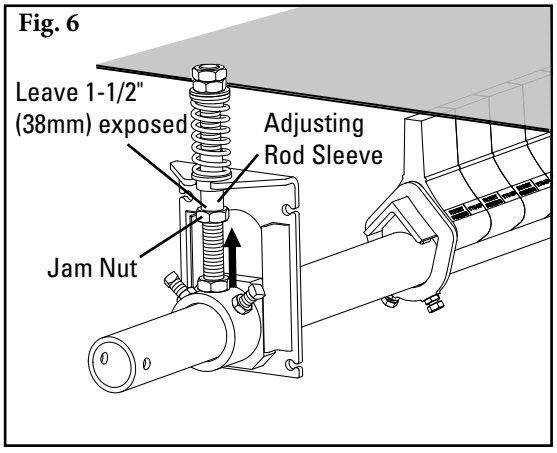
Fig. 5



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

Shading indicates preferred spring option.

Fig. 6



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 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 the cleaning performance.
- If vibration occurs or more cleaning efficiency is desired, increase blade tension by making 1/8" (3mm) 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

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 the 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 the cleaner or in the 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 the 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 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 7.
- When maintenance tasks are completed, test run the conveyor to ensure the cleaner is performing properly.

6.4 Blade Replacement Instructions (Polyurethane or Carbide)

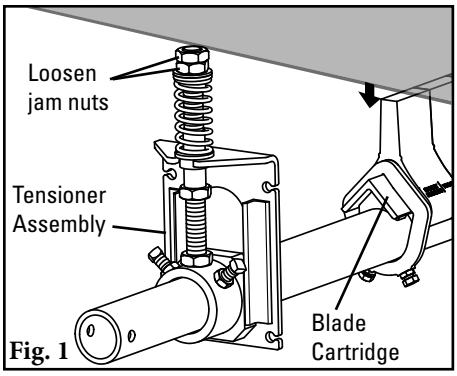


Fig. 1

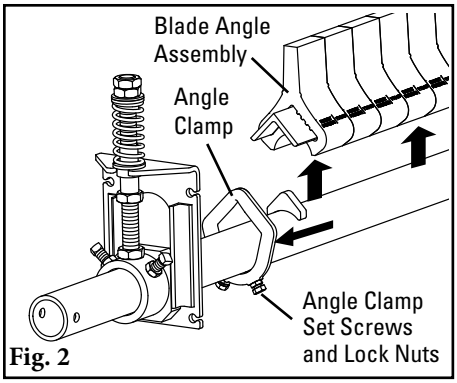


Fig. 2

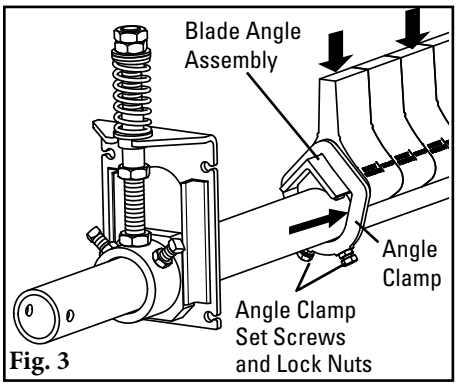


Fig. 3

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. If mounted on a chute, remove near side tensioner assembly to access blade cartridge (Fig. 1).

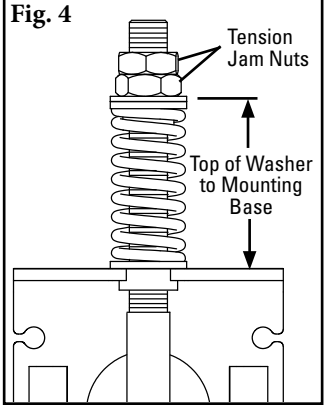
2. **Remove blade angle from pole.**
   Loosen angle clamp lock nuts and set screws on both sides of cleaner (Fig. 2). Slide angle clamps off each end of the angle and remove blade angle assembly from pole.

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.

Fig. 4



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

Shading indicates preferred spring option.

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

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:** _____

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

Beltline Information:

Beltline Number: _____ Belt Condition: _____

Belt Width: ☐ 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

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 precleaner
	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 precleaner
	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 center 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

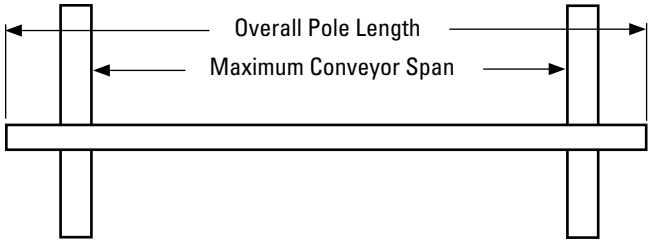
Section 8 – Specifications and CAD Drawings

8.1 Specifications and Guidelines

Pole Length Specifications

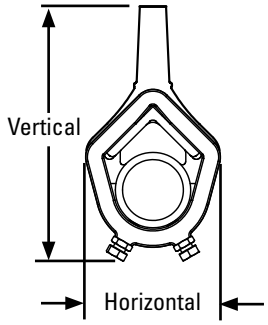
Cleaner Size		Pole Length		Maximum Conveyor Span	
in.	mm	in.	mm	in.	mm
36	900	90	2286	82	2083
42	1050	96	2438	88	2235
48	1200	102	2590	94	2388
54	1350	108	2743	100	2540
60	1500	114	2895	106	2692
72	1800	126	3200	118	2997

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



Clearance Guidelines for Installation

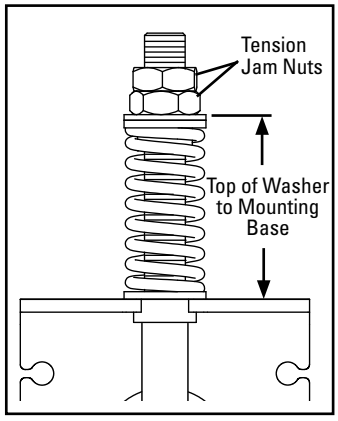
Cleaner Type	Belt Width/ Cleaner Size		Horizontal Clearance Required		Vertical Clearance Required	
	in.	mm	in.	mm	in.	mm
Y-Type® HD Polyurethane	36 - 72	900 - 1800	5-1/4	133	9-1/2	241
Y-Type HD Carbide	36 - 72	900 - 1800	5-1/4	133	9-3/4	248



Y-Type Blade Specifications

Cushion	Durometer	Temperature Range
Purple (Standard)	86A	-30° to 180°F -35° to 82° C
White (Food Grade) ‡	83A	-30° to 180°F -35° to 82° C
Carbide	n/a	-30° to 180°F -35° to 82° C

‡ 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



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

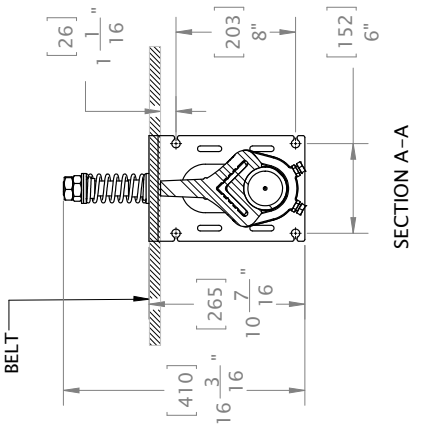
Shading indicates preferred spring option.

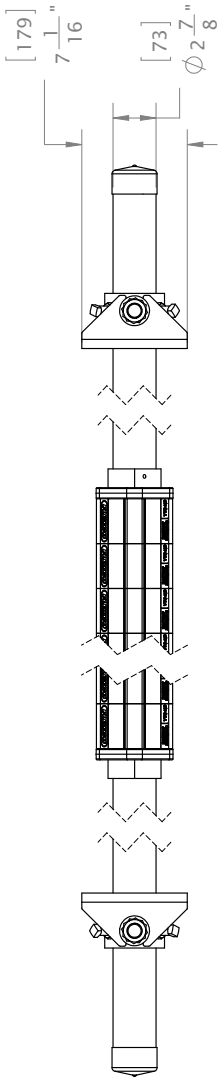
Specifications:

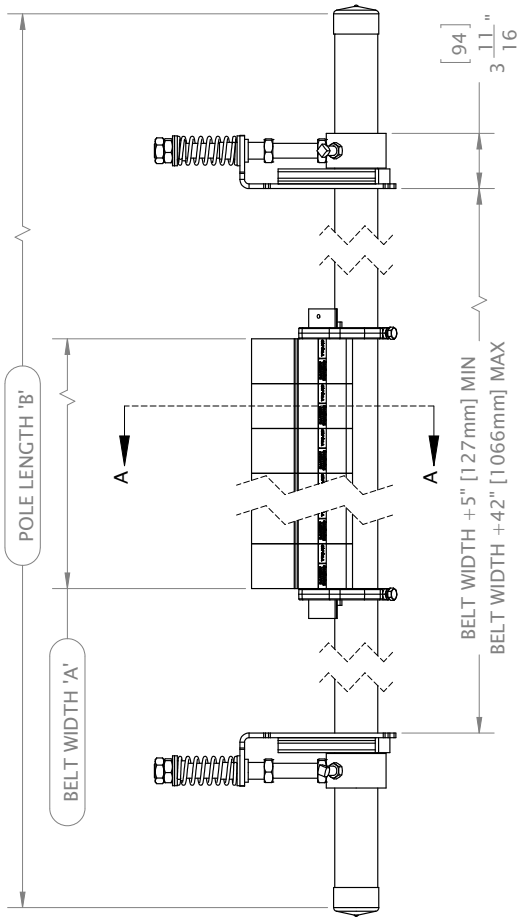
- Maximum Belt Speed.....750 FPM (3.8M/sec)
- Temperature Rating.....-30°F to 180°F (-35°C to 82°C)
- Usable Blade Wear Length.....3" (75mm) (Polyurethane)
  3/8" (10mm) (Carbide)
- Blade Materials .....**Purple:** Polyurethane (proprietary blend for abrasion resistance and long wear)
  White: Polyurethane (chemical resistant/food grade)
  Carbide: Tungsten Carbide
- Available for Belt Widths.....36" to 72" (900 to 1800mm). Other sizes available upon request.

8.2 CAD Drawing – Y-Type™ HD Polyurethane

SPECIFICATIONS				BLADE TYPE	ORDER NUMBER	ITEM CODE
BELT WIDTH 'A'		POLE LENGTH 'B'				
(IN)	(mm)	(IN)	(mm)			
36	900	90	2286	PURPLE	YTHD-36S	79783
				WHITE	YTHDW-36S	79789
42	1050	96	2438	PURPLE	YTHD-42S	79784
				WHITE	YTW-24S	79790
48	1200	102	2590	PURPLE	YTHDW-42S	79785
				WHITE	YTHDW-48S	79791
54	1350	108	2743	PURPLE	YTHD-54S	79786
				WHITE	YTHDW-54S	79792
60	1500	114	2895	PURPLE	YTHD-60S	79787
				WHITE	YTHDW-60S	79793
72	1800	126	3200	PURPLE	YTHD-72S	79788
				WHITE	YTHDW-72S	79794

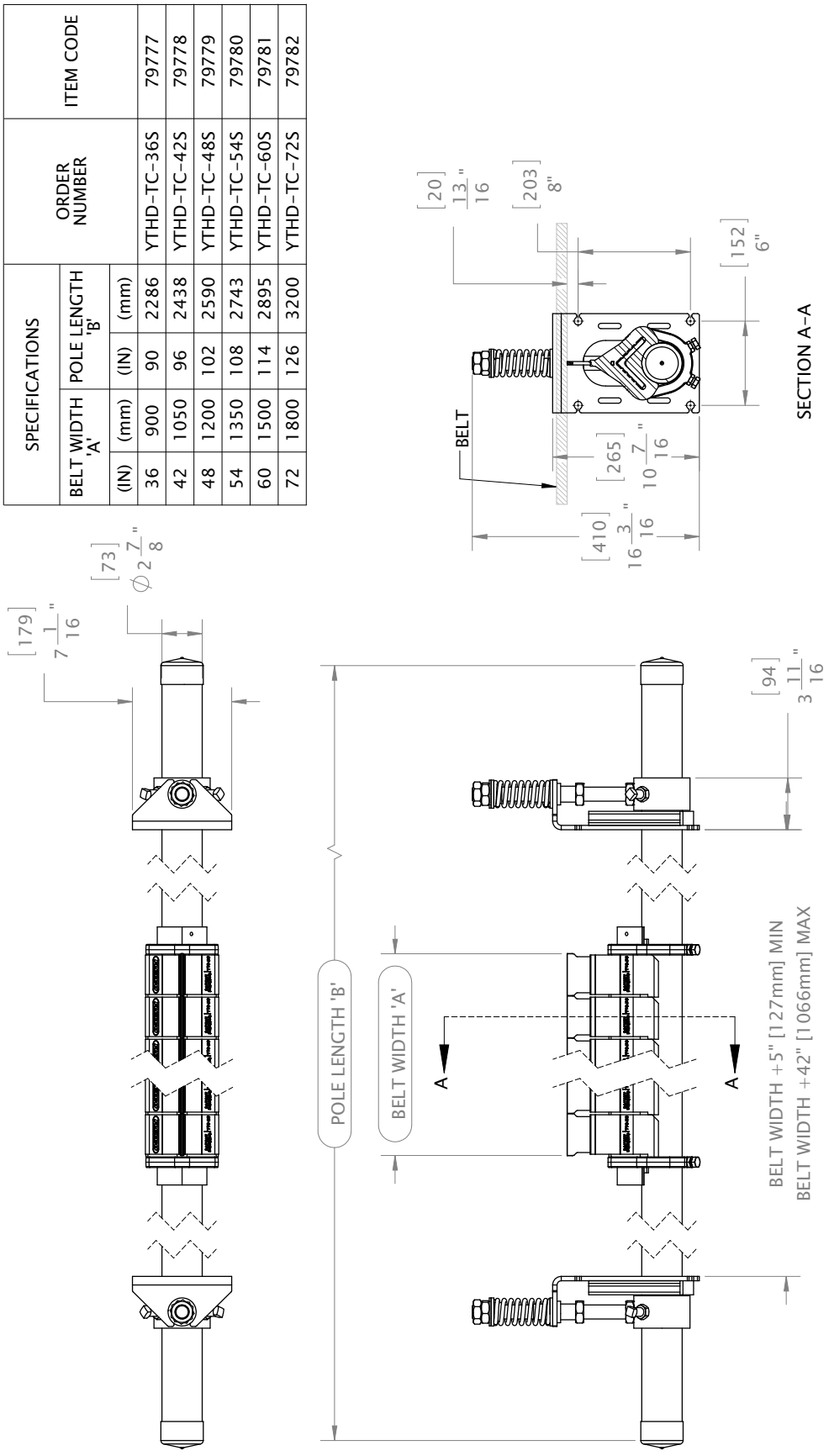






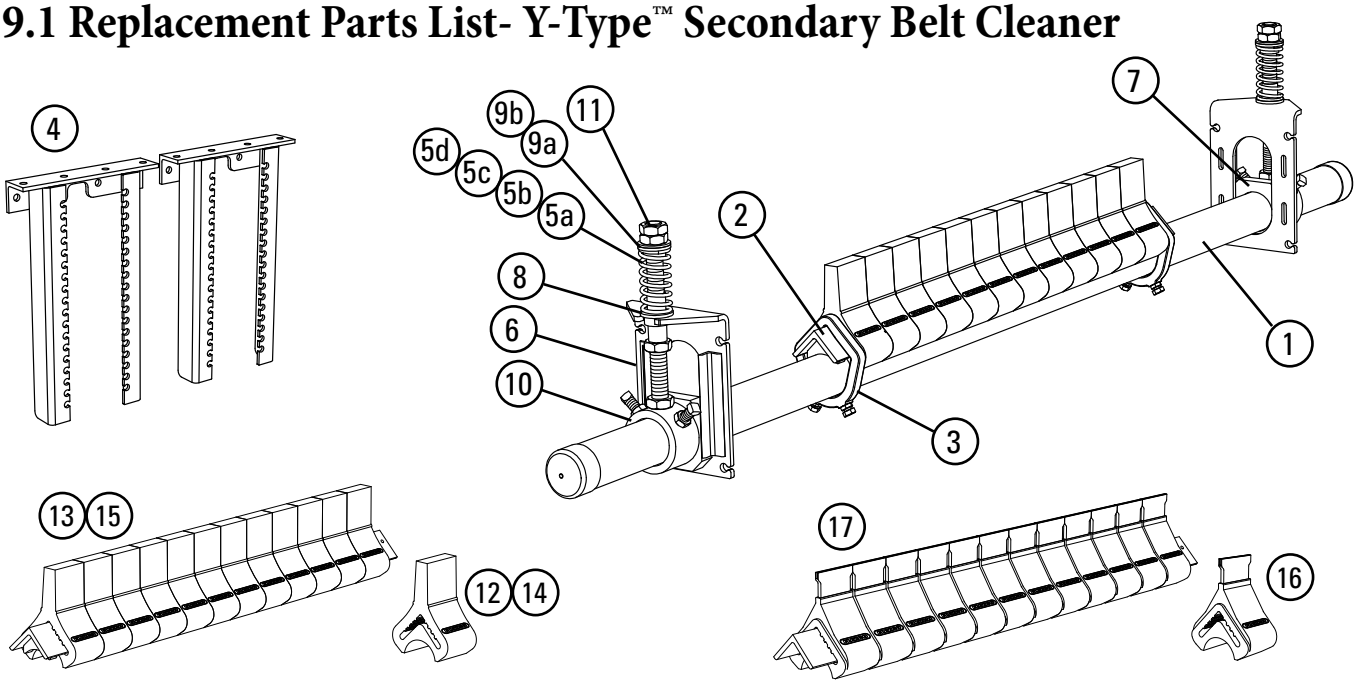
8.3 CAD Drawing – Y-Type™ HD Carbide

SPECIFICATIONS				ORDER NUMBER	ITEM CODE
BELT WIDTH 'A'		POLE LENGTH 'B'			
(IN)	(mm)	(IN)	(mm)		
36	900	90	2286	YTHD-TC-36S	79777
42	1050	96	2438	YTHD-TC-42S	79778
48	1200	102	2590	YTHD-TC-48S	79779
54	1350	108	2743	YTHD-TC-54S	79780
60	1500	114	2895	YTHD-TC-60S	79781
72	1800	126	3200	YTHD-TC-72S	79782



Section 9 – Replacement Parts List

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



Replacement Parts

REF	DESCRIPTION	ORDERING NUMBER	ITEM CODE	WT. LBS.
1	36" (900mm) Y-Type HD Pole	YTPHD-36/900	79799	60.3
	42" (1050mm) Y-Type HD Pole	YTPHD-42/1050	79800	64.1
	48" (1200mm) Y-Type HD Pole	YTPHD-48/1200	79801	67.9
	54" (1350mm) Y-Type HD Pole	YTPHD-54/1350	79802	71.7
	60" (1500mm) Y-Type HD Pole	YTPHD-60/1500	79803	75.6
	72" (1800mm) Y-Type HD Pole	YTPHD-72/1800	79804	83.1
2	36" (900mm) Y-Type HD Cushion Angle	YTAHD-36/900	79805	16.5
	42" (1050mm) Y-Type HD Cushion Angle	YTAHD-42/1050	79806	18.9
	48" (1200mm) Y-Type HD Cushion Angle	YTAHD-48/1200	79807	21.4
	54" (1350mm) Y-Type HD Cushion Angle	YTAHD-54/1350	79808	23.9
	60" (1500mm) Y-Type HD Cushion Angle	YTAHD-60/1500	79809	26.3
	72" (1800mm) Y-Type HD Cushion Angle	YTAHD-72/1800	79810	31.3
3	Y-Type HD Angle Clamp* (2 Clamps)	YTACHD	79835	4.8
4	YST HD Drop Bracket Kit (2 Brackets)	YSTHDDBK	79850	32.1
5a	SST Spring, Silver (for Y-Type HD Carbide Cleaners)	STS-S	75843	0.5
5b	SST Spring, Black (for Y-Type HD Carbide Cleaners)	STS-B	75844	0.8
5c	YST HD Spring, Green (for Y-Type HD Polyurethane Cleaners)	YSTHDS-GR	79797	0.6
5d	YST HD Spring, Blue (for Y-Type HD Polyurethane Cleaners)	YSTHDS-BL	79798	1.1
6	YST HD Mounting Bracket	YSTHDMB	79849	6.7
7	YST HD Guide Block Kit (Pair)	YSTHDGBK	79851	1.0
8	YST HD Lower Bushing Kit (Pair)	YSTHDLBK	79852	0.1
9a	YST HD Top Bushing Kit White (Pair)	YSTHDBK-W	79853	0.1
9b	YST HD Top Bushing Kit Black (Pair)	YSTHDBK-B	79856	0.1
10	YST HD Pole mount Kit*	YSTPHDMK	79854	7.8
11	YST HD Adjusting Rod Nut Kit	YSTANKHD	79858	0.6
-	YST Tensioner w/Silver Spring (Pair) (incl. 2 ea. item 5a, 6, 10, 11; 1 ea. items 7, 8, 9a) for belts 36-54" (900-1350mm), carbide tips	YSTHD-S	79840	33.4
-	YST Tensioner w/Black Spring (Pair) (incl. 2 ea. item 5b, 6, 10, 11; 1 ea. items 7, 8, 9b) for belts 60-72" (1500-1800mm), carbide tips	YSTHD-BK	79842	34.1
-	YST Tensioner w/Green Spring (Pair) (incl. 2 ea. item 5c, 6, 10, 11; 1 ea. items 7, 8, 9a) for belts 36-48" (900-1200mm), polyurethane tips	YSTHD-GR	79839	32.8
-	YST Tensioner w/Blue Spring (Pair) (incl. 2 ea. item 5d, 6, 10, 11; 1 ea. items 7, 8, 9b) for belts 54-72" (1350-1800mm), polyurethane tips	YSTHD-BL	79841	33.1

*Hardware included
Lead time: 1 working day

Replacement Blades/Blade Cartridges

REF	DESCRIPTION	ORDERING NUMBER	ITEM CODE	WT. LBS.
12	Y-Type HD Purple Polyurethane Blade (single)	YT-HDP	79677	1.7
13	36" (900mm) Y-Type HD Purple Blade Cartridge	YCART-36/900-HDP	79817	36.5
	42" (1050mm) Y-Type HD Purple Blade Cartridge	YCART-42/1050-HDP	79818	42.3
	48" (1200mm) Y-Type HD Purple Blade Cartridge	YCART-48/1200-HDP	79819	48.1
	54" (1350mm) Y-Type HD Purple Blade Cartridge	YCART-54/1350-HDP	79820	53.9
	60" (1500mm) Y-Type HD Purple Blade Cartridge	YCART-60/1500-HDP	79821	59.8
	72" (1800mm) Y-Type HD Purple Blade Cartridge	YCART-72/1800-HDP	79822	71.4
14	Y-Type HD White Polyurethane Blade (single)	YT-HDW	79676	1.7
15	36" (900mm) Y-Type HD White Blade Cartridge	YCART-36/900-HDW	79823	36.5
	42" (1050mm) Y-Type HD White Blade Cartridge	YCART-42/1050-HDW	79824	42.3
	48" (1200mm) Y-Type HD White Blade Cartridge	YCART-48/1200-HDW	79825	48.1
	54" (1350mm) Y-Type HD White Blade Cartridge	YCART-54/1350-HDW	79826	53.9
	60" (1500mm) Y-Type HD White Blade Cartridge	YCART-60/1500-HDW	79827	59.8
	72" (1800mm) Y-Type HD White Blade Cartridge	YCART-72/1800-HDW	79828	71.4
16	Y-Type HD Carbide Blade (single)	YT-HDC	79728	1.8
17	36" (900mm) Y-Type HD Carbide Blade Cartridge	YCART-36/900-HDTC	79829	38.4
	42" (1050mm) Y-Type HD Carbide Blade Cartridge	YCART-42/1050-HDTC	79830	44.5
	48" (1200mm) Y-Type HD Carbide Blade Cartridge	YCART-48/1200-HDTC	79831	50.6
	54" (1350mm) Y-Type HD Carbide Blade Cartridge	YCART-54/1350-HDTC	79832	56.8
	60" (1500mm) Y-Type HD Carbide Blade Cartridge	YCART-60/1500-HDTC	79833	62.9
	72" (1800mm) Y-Type HD Carbide Blade Cartridge	YCART-72/1800-HDTC	79834	75.2

Lead time: 1 working day

Blades Required per Cleaner Size

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

Spring Tensioner Selection Chart

Cleaner Blade Width	79840 YSTHD-S	79842 YSTHD-BK	79839 YSTHD-GR	79841 YSTHD-BL
Carbide 36" - 54" (900 - 1350mm)	X			
Carbide 60" - 72" (1500 - 1800mm)		X		
Polyurethane 36" - 48" (900 - 1200mm)			X	
Polyurethane 54" - 72" (1350 - 1800mm)				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:

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

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 authorized workers to access the chute.

PT Smart™ 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 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 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.

2525 Wisconsin Avenue • Downers Grove, IL 60515-4200 • USA
Tel: (630) 971-0150 • Fax: (630) 971-1180 • E-mail: info@flexco.com

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