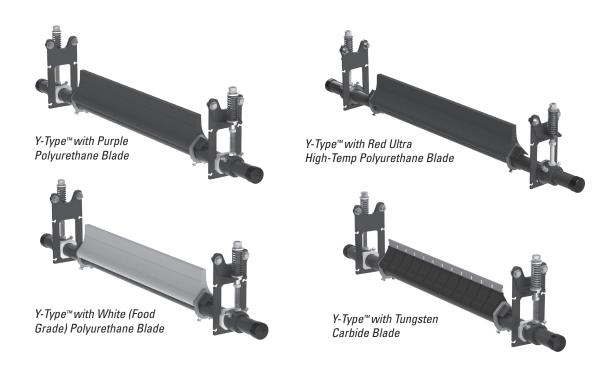
Y-Type™ Standard-Duty Secondary Belt Cleaner

Installation, Operation and Maintenance Manual





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	4
1.1 General Introduction	4
1.2 User Benefits	4
1.3 Service Option	4
Section 2 – Safety Considerations and Precautions	5
2.1 Stationary Conveyors	5
2.2 Operating Conveyors	5
Section 3 – Pre-Installation Checks and Options	
3.1 Checklist	6
3.2 Optional Installation Accessories	6
Section 4 – Y-Type™ Belt Cleaner Installation Instructions	7
4.1 Y-Type™ - Pull-up Tensioning	7
4.2 Y-Type [™] - Push-up Tensioning	10
Section 5 - Pre-Operation Checklist and Testing	
5.1 Pre-Op Checklist	11
5.2 Test Run the Conveyor	11
Section 6 – Maintenance	
6.1 New Installation Inspection	
6.2 Routine Visual Inspection	12
6.3 Routine Physical Inspection	
6.4 Blade Replacement Instructions	
6.5 Maintenance Log	
6.6 Cleaner Maintenance Checklist	
Section 7 – Troubleshooting	16
Section 8 - Specs and CAD Drawings	16
8.1 Specs and Guidelines	
8.2 CAD Drawing - Y-Type™ - Polyurethane	
8.3 CAD Drawing - Y-Type™ - UHT Polyurethane	19
8.4 CAD Drawing - Y-Type™ - Carbide	
Section 9 – Replacement Parts	21
Section 10 – Other Flexco Conveyor Products	23



Section 1 – Important Information

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.

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 onsite 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

A 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

A 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

A DANGER

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

A 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.

A WARNING

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



Section 3 – Pre-installation Checks and Options

3.1 Checklist

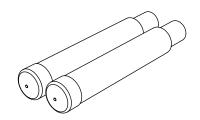
- Check that the cleaner size is correct for the beltline width.
- Check the belt cleaner carton and make sure all the parts are included.
- Review the "Tools Needed" list on the top of the installation instructions.
- Check the conveyor site:
 - Will the cleaner be installed on a chute?
 - Is the install on an open head pulley requiring mounting structure? (see 3.2 Optional Installation Accessories)

3.2 Optional Installation Accessories

Versatile, adjustable brackets that can be mounted on the conveyor structure so the Y-Type™ Secondary Belt Cleaner can be quickly and easily bolted into place. Pole extenders are also available for wide, non-standard conveyor structures.



YST SD Drop Bracket Kit (incl. 2 brackets) (Item Code: 113390)



Pole Extender Kit (incl. 2 pole extenders) (Item Code: 76024)

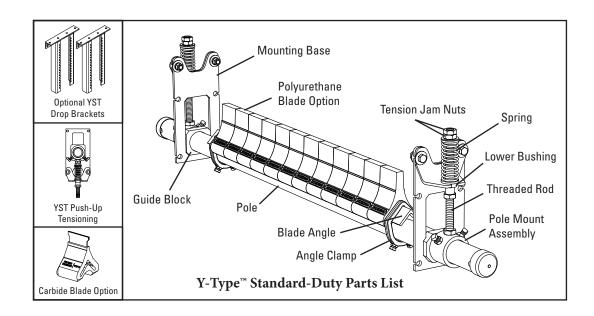
- For cleaner sizes 1800 mm (72") and larger
- Provides 750 mm (30") of extended pole length

Optional Mounting Kits (includes 2 brackets/bars)

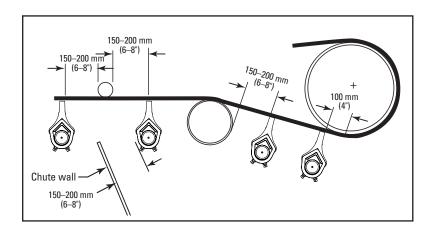
DESCRIPTION	ORDERING NUMBER	ITEM CODE	WT. KG
Pole Extender Kit	MAPEK	76024	8.2
YST SD Drop Bracket Kit	YSTDBK2	113390	14.5

Lead time: 1 working day

4.1 Y-Type[™] - Pull-Up Tensioning



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



Before You Begin:

- For chute mounting it may be necessary to cut an access hole to allow for installation and inspections (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.

Tools Needed

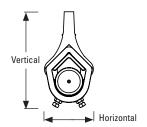
- 16mm (5/8") Wrench
- 13mm (1/2") Wrench
- 19mm (3/4") Wrench
- 29mm (1-1/8") Wrench

OR Large Adjustable/ Crescent Wrench & Channel Locks

- Tape Measure
- Ratchet with 19mm (3/4") Socket
- (x2) 150mm (6") C-Clamps (for Temporary Positioning of Mounting Brackets)
- Cutting Torch and/or Welder (as needed)
- Marking Pen or Soapstone

Clearance Requirements for Installation

	Vertical	Horizontal
Y-Type Polyurethane	210mm (8-1/4")	108mm (4-1/4")
Y-Type Carbide	184mm (7-3/4")	108mm (4-1/4")





4.1 Y-Type[™] - Pull-Up Tensioning

1. Install spring tensioner mounting bases. Clamp mounting base into position so top holes of mounting bracket are located the proper distance below bottom of belt (Fig. 1). With flippable bracket positioned for pull-up tensioning, bolt the mounting base in place first (Fig. 1). Locate and mark mounting base position on other side but do not install at this time.

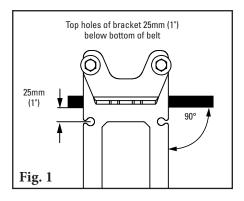
For chute mounting: A belt location line must first be established. Draw a line on chute replicating this location. If the head pulley and snub pulley are close, it may be necessary to assume an approximate belt line between the two. In the determined location draw a line perpendicular to belt line.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

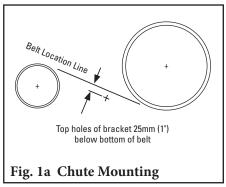
Locate a mounting bracket perpendicular to belt location line (Fig. 1a), aligning top holes of mounting bracket with mark made in previous step. Bolt bracket in place. Repeat this step on opposite side. Cut access holes using provided mounting template.

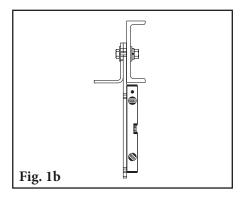
NOTE: The mounting brackets must be aligned perpendicular to the belt.

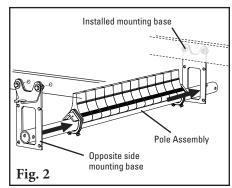
NOTE: If structure or chute is angled or out of alignment, ensure the tensioner or mounting brackets are plumb (Fig. 1b).

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).





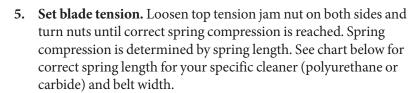


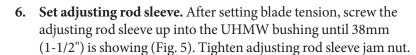


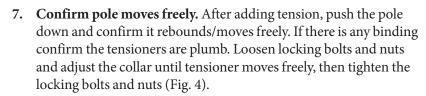
4.1 Y-Type[™] - Pull-Up Tensioning

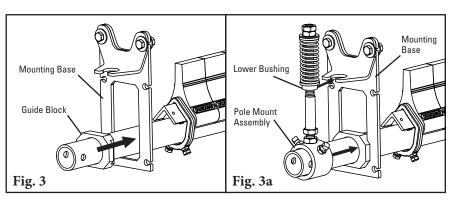
- 3. Assemble tensioners. Slide guide blocks over each end of pole and position in mounting base as shown (Fig. 3). Slide tensioner assembly over each end of pole and position lower bushing into mounting base (Fig. 3a).
- **4. Secure pole.** Center pole/blades on belt and rotate pole until blades are perpendicular to belt.

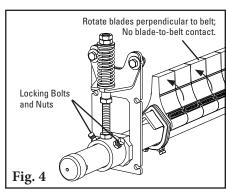
Tighten the two locking bolts and nuts on each tensioner assembly to lock pole in place (Fig. 4).

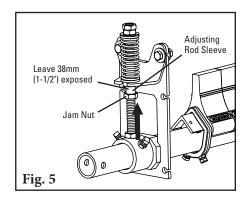


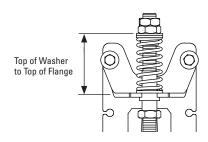












YST SD Spring Length Chart

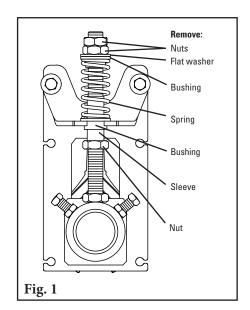
Blade		Carbi	de Tip	Purple/White Polyurethane Tip				Red UHT Polyurethane Tip			
Wi	Width Silver Springs		Yellow Springs		Purple Springs		Yellow Springs		Purple Springs		
mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
450	18	105	4 1/8	83	3 1/4	92	3 5/8	79	3 1/8	92	3 5/8
600	24	102	4	73	2 7/8	86	3 3/8	70	2 3/4	86	3 3/8
750	30	98	3 7/8	67	2 5/8	79	3 1/8	64	2 1/2	79	3 1/8
900	36	95	3 3/4	57	2 1/4	73	2 7/8	57	2 1/4	73	2 7/8
1050	42	92	3 5/8	NA	NA	67	2 5/8	NA	NA	67	2 5/8
1200	48	89	3 1/2	NA	NA	60	2 3/8	NA	NA	60	2 3/8

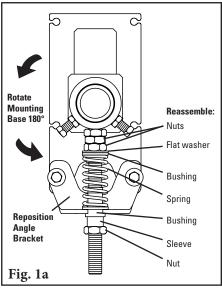
Shading indicates preferred spring option.



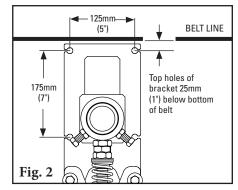
4.2 Y-Type[™] - Push-Up Tensioning

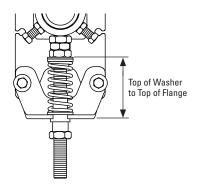
- 1. Reconfigure the standard pull-up tensioner to the push-up style. Remove the 3 nuts, flat washer, 2 bushings, spring, and sleeve (Fig. 1). Rotate the mounting base so the two flanges point downward and reposition the angle bracket. Reassemble the components on the threaded rod in the order shown (Fig. 1a).
- 2. Install the tensioner mounting bases. Mount the bases to the structure or chute so that the top holes in the brackets are 25mm (1") below the bottom of the belt (Fig. 2).





- **3. Install the cleaner pole and set the blade angle.** Follow the installation Steps 2–4 from the cleaner instructions on Pages 8 and 9.
 - **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 chart. Tighten the 2 tension nuts together to prevent loosening.
- 5. Confirm that the pole moves freely. After adding tension, push the pole down and confirm that it rebounds/moves freely. If there is any binding, confirm that the tensioners are plumb. Loosen the locking bolts and nuts and adjust the collar until the tensioner moves freely, then tighten the locking bolts and nuts.





YST SD Spring Length Chart

Blade		de Tip		Purple olyuret			Red UHT Polyurethane Tip				
Wi	Width Silver Springs		Yellow Springs		Purple Springs		Yellow Springs		Purple Springs		
mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
450	18	105	4 1/8	83	3 1/4	92	3 5/8	79	3 1/8	92	3 5/8
600	24	102	4	73	2 7/8	86	3 3/8	70	2 3/4	86	3 3/8
750	30	98	3 7/8	67	2 5/8	79	3 1/8	64	2 1/2	79	3 1/8
900	36	95	3 3/4	57	2 1/4	73	2 7/8	57	2 1/4	73	2 7/8
1050	42	92	3 5/8	NA	NA	67	2 5/8	NA	NA	67	2 5/8
1200	48	89	3 1/2	NA	NA	60	2 3/8	NA	NA	60	2 3/8

Shading indicates preferred spring option.

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

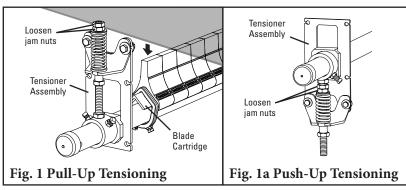
When the conveyor is not in operation and properly locked and tagged out, perform a physical inspection of the cleaner through the following tasks:

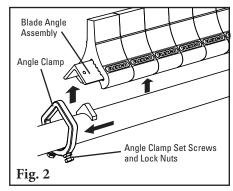
- Clean material buildup from cleaner blade and pole.
- Verify pole can move smoothly up and down.
- Closely inspect blade for wear and any damage. Replace if needed.
- Ensure full blade to belt contact.
- Inspect cleaner pole for damage.
- Inspect all fasteners for tightness and wear. Tighten or replace as needed.
- Replace any worn or damaged components.
- Check tension of cleaner blade to belt. Adjust tension if necessary using the steps on Pages 9 and 10.
- When maintenance tasks are completed, test run conveyor to ensure cleaner is performing properly.

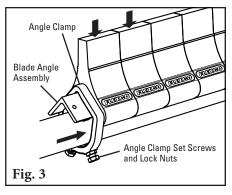
6.4 Blade Replacement Instructions (Carbide or Polyurethane)

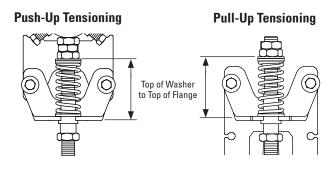
Physically lock out and tag the conveyor at the power source before you begin cleaner installation.

- 1. Lower the cleaner away from the belt. Loosen the jam nuts on the threaded rods to remove the tension and lower the cleaner (Fig. 1 & 1a). If mounted on a chute, remove the near side tensioner assembly to access the blade cartridge.
- 2. Remove the blade angle from pole.
 Loosen the angle clamp lock nuts and the set screws on both sides of the cleaner (Fig. 2). Slide the angle clamps off of each end of angle and remove the blade angle assembly from the pole.
- **3. Replace the cushions.** Cushions may be removed from the angle by sliding them off each end, or the entire angle with all cushions may be replaced at once.
- 4. Reinstall the blade angle. Set the new cushions and the angle back on the pole and slide the angle clamps back onto the angle (Fig. 3). Tighten the angle clamp set screws and lock nuts on both sides. Verify that the blades are centered and perpendicular to the belt.
- 5. Set the blade tension. Turn the adjustment nuts until the correct spring compression is reached. Spring compression is determined by spring length. See the chart below for correct spring length for your belt width.
- 6. Test run the cleaner and inspect cleaning performance. If vibration occurs or more cleaning efficiency is desired, increase the blade tension by making 3mm (1/8") compression adjustments on tension springs.









YST SD Spring Length Chart

Blade Carbide		de Tip	Purple/White Polyurethane Tip				Red UHT Polyurethane Tip				
		ver ings		low ings		ple ings		low ings		ple ings	
mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
450	18	105	4 1/8	83	3 1/4	92	3 5/8	79	3 1/8	92	3 5/8
600	24	102	4	73	2 7/8	86	3 3/8	70	2 3/4	86	3 3/8
750	30	98	3 7/8	67	2 5/8	79	3 1/8	64	2 1/2	79	3 1/8
900	36	95	3 3/4	57	2 1/4	73	2 7/8	57	2 1/4	73	2 7/8
1050	42	92	3 5/8	NA	NA	67	2 5/8	NA	NA	67	2 5/8
1200	48	89	3 1/2	NA	NA	60	2 3/8	NA	NA	60	2 3/8

Shading indicates preferred spring option.



Section 6 – Maintenance

6.5 Maintenance Log

Conveyor Name/No.		
Date:	Work done by:	Service Quote #:
Activity:		
Date:	Work done by:	Service Quote #:
<u> </u>		
Date:	Work done by:	Service Quote #:
Date:	Work done by:	Service Quote #:
		Service Quote #:
Tellvity.		
Date:	Work done by:	Service Quote #:
Activity.		
Date:	Work done by:	Service Quote #:
		Service Quote #:
Activity.		
Data:	Work done by	Sarvica Quoto #-
		Service Quote #:
Activity:		

Section 6 – Maintenance

6.6 Cleaner Maintenance Checklist

Site:	Inspected by:	Date:	
Belt Cleaner:	Se	rial Number:	
Beltline Information: Beltline Number:	Belt Condition:		
	n □ 900mm □ 1050mm □ 120 (36") (42") (48	0mm	
Head Pulley Diameter (Belt & Lagging):	Belt Speed:	fpm Belt Thickness:	
Belt Splice: Condition of Splice	e: Number of Splic	ces: □ Skived □ Unskived	
Material conveyed:			
Days per week run: Ho	urs per day run:		
Blade Life:			
Date blade installed: Date b	ade inspected:	Estimated blade life:	
Is blade making complete contact with belt	P □ Yes □ No	D	
Blade wear: Left	Middle	Right	
Blade condition:	☐ Grooved ☐ Smiled	☐ Not contacting belt ☐ Damaged	
Measurement of spring: Require	ed Currently _		
Was Cleaner Adjusted: ☐ Yes	□No		
Pole Condition:	□ Bent □ Worn		
Lagging: □ Side Lag □ 0	Ceramic 🗆 Rubber	□ Other □ None	
Condition of lagging:	□ Bad □ Other		
Cleaner's Overall Performance:	(Rate the following 1 - 5, 1= ver	y poor - 5 = very good)	
Appearance: Comments:			
Location: Comments:			
Maintenance: Comments:			
Performance: Comments:			
Other comments:			

Section 7 – Troubleshooting

Problem Possible Cause **Possible Solutions** 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) Ensure cleaner can conform to belt, or replace with alternate Flexco Belt tension too high Vibration secondary cleaner Introduce hold-down roller to flatten belt Belt flap Cleaner over-tensioned Ensure cleaner is correctly tensioned Cleaner under-tensioned Ensure cleaner is correctly tensioned 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 Material buildup on cleaner Cleaner being overburdened Introduce Flexco precleaner Excessive sticky material Frequently clean unit of buildup Cleaner not set up correctly Ensure cleaner set up properly (check tip angle) Ensure cleaner can conform to belt, introduce hold-down roller, or replace Belt tension too high with alternate Flexco secondary cleaner Cleaner not conforming to belt Introduce hold-down roller to flatten belt Belt flap Ensure cleaner can conform to belt, introduce hold-down roller, or replace Cleaner cannot conform with alternate Flexco secondary cleaner Cleaner not set up correctly Ensure cleaner set up properly (check tip angle) Cleaner tension too low Ensure cleaner is correctly tensioned Check blade for wear, damage and chips, replace where necessary Cleaner blade worn/damaged Material passing Cleaner being overburdened Introduce Flexco precleaner cleaner Introduce hold-down roller to flatten belt Belt flap Belt worn or grooved Introduce water spray pole Ensure cleaner can conform to belt, introduce hold-down roller, or replace Cleaner cannot conform with alternate Flexco secondary cleaner Cupped Belt Install hold-down roller and reset blade angle Missing material in belt center only Cleaner blade worn/damaged Check blade for wear, damage and chips, replace where necessary Cupped Belt Install hold-down roller and reset blade angle Missing material on outer edges only Cleaner blade worn/damaged Check blade for wear, damage and chips, replace where necessary Adjust mounting bases until tensioners travel without binding. Refer to Tensioners not aligned properly Tensioners binding instructions for alignment requirements

8.1 Specifications and Guidelines

Pole Length Specifications

CLEAN	ER SIZE	POLE L	ENGTH	MAXIMUM CONVEYOR SPAN		
mm	in.	mm	in.	mm	in.	
450	18	1200	48	1025	40	
600	24	1350 54		1175	46	
750	30	1500	60	1325	52	
900	36	1650	66	1475	58	
1050	42	1800	72	1625	64	
1200	48	1950	78	1775	70	

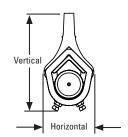
Overall Pole Length

Maximum Conveyor Span

Pole Length - Belt + 750mm (30") Pole Diameter - 60mm (2-3/8")

Clearance Guidelines for Installation

CLEANED		VIDTH/ Er size		ONTAL RANCE JIRED	VERTICAL CLEARANCE REQUIRED		
	mm in.		mm	mm in.		in.	
Y-Type Polyurethane	450-1200	18–48	110	4-1/4	210	8-1/4	
Y-Type Carbide	'-Type Carbide 450–1200		110	4-1/4	184	7-3/4	



YST SD Spring Length Chart

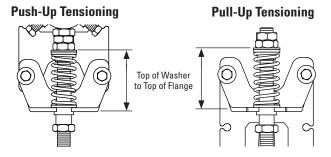
101 02 opring Longin Chart												
Blade		Carbi	de Tip	ı	Purple, olyuret	-		Red UHT Polyurethane Tip				
Width		Silver Springs		Yellow Springs		l	ple ings		low ings		ple ings	
mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	
450	18	105	4 1/8	83	3 1/4	92	3 5/8	79	3 1/8	92	3 5/8	
600	24	102	4	73	2 7/8	86	3 3/8	70	2 3/4	86	3 3/8	
750	30	98	3 7/8	67	2 5/8	79	3 1/8	64	2 1/2	79	3 1/8	
900	36	95	3 3/4	57	2 1/4	73	2 7/8	57	2 1/4	73	2 7/8	
1050	42	92	3 5/8	NA	NA	67	2 5/8	NA	NA	67	2 5/8	
1200	48	89	3 1/2	NA	NA	60	2 3/8	NA	NA	60	2 3/8	

Shading indicates preferred spring option.

Y-Type Blade Specifications

Cushion	Durometer	Temperature Range
Purple (Standard)	86A	-35 to 82°C -30 to 180°F
White (Food Grade) ‡	83A	-35 to 82°C -30 to 180°F
Red (Ultra High-Temp)	90A	Up to 200°C (400°F) Spikes to 232°C (450°F)
Carbide	86A	-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



Specifications:

Maximum Belt Speed3M/sec (600 FPM)

• Usable Blade Wear Length......50mm (2") (Polyurethane)

6mm (1/4") (Carbide)

Blade Materials......Purple: Polyurethane (proprietary blend for abrasion resistance and long wear)

White: Polyurethane (chemical resistant/food grade)

Red: Polyurethane (ultra high-temp)

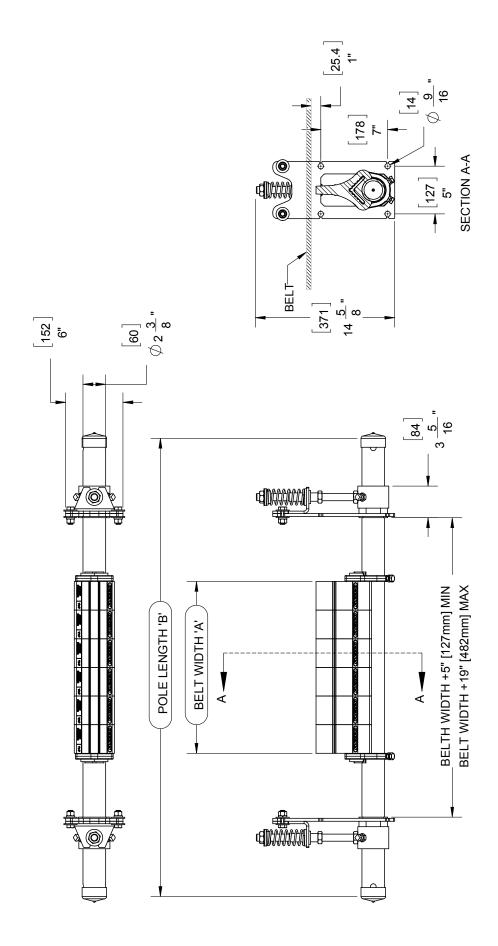
Carbide: Tungsten Carbide

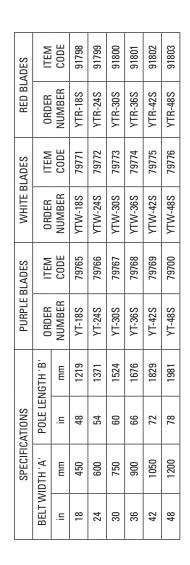
CEMA Cleaner RatingClass 2 (Standard-duty with polyurethane blades)

Class 3 (Standard-duty with Carbide blades)

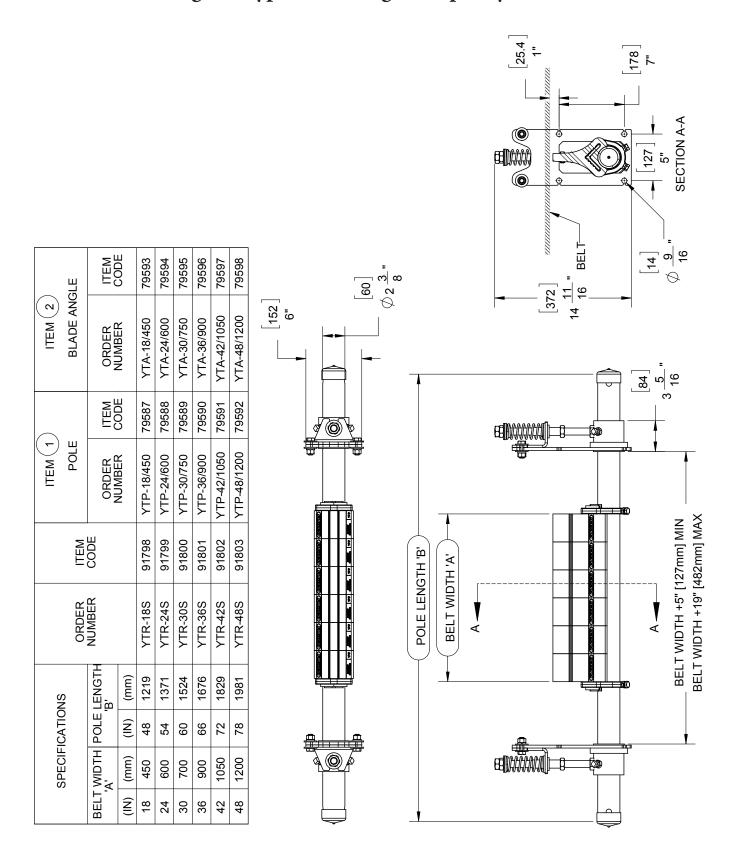


8.2 CAD Drawing – Y-Type[™] Polyurethane

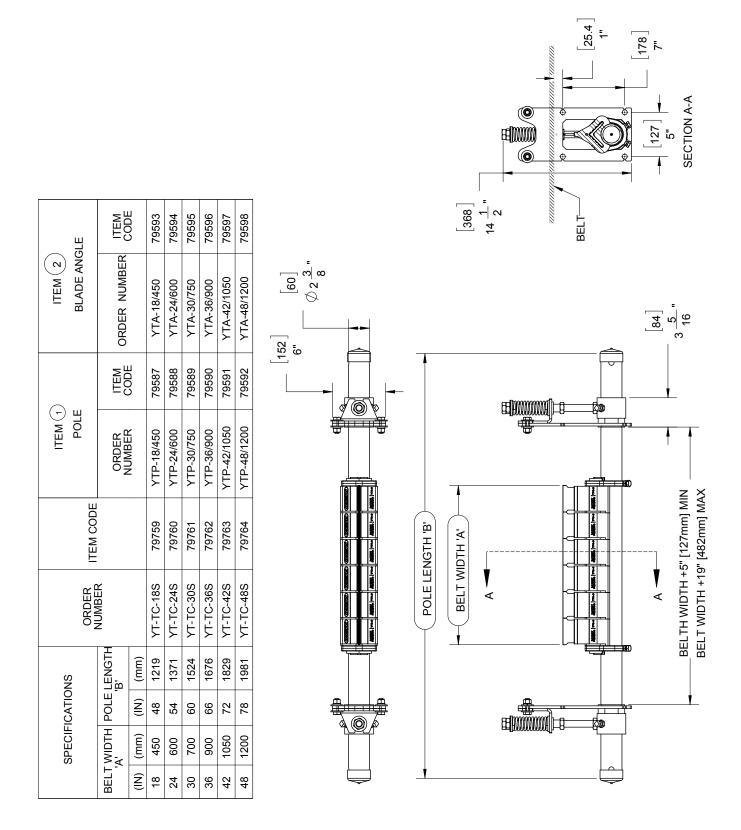




8.3 CAD Drawing – Y-Type[™] Ultra High Temp Polyurethane

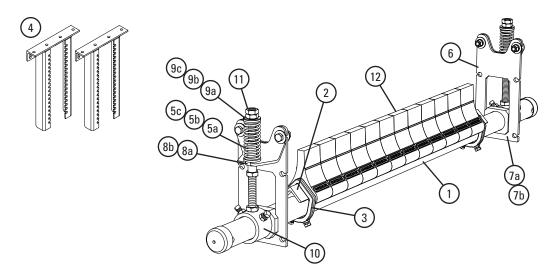


8.4 CAD Drawing – Y-Type[™] Carbide



Section 9 – Replacement Parts List

9.1 Replacement Parts List- Y-Type™



Replacement Parts

REF	DESCRIPTION	ORDERING NUMBER	ITEM CODE	WT. KG.
	450mm (18") Y-Type [™] Pole	YTP-18/450	79587	9.2
	600mm (24") Y-Type Pole	YTP-24/600	79588	10.3
1	750mm (30") Y-Type Pole	YTP-30/750	79589	11.4
'	900mm (36") Y-Type Pole	YTP-36/900	79590	12.6
	1050mm (42") Y-Type Pole	YTP-42/1050	79591	13.7
	1200mm (48") Y-Type Pole	YTP-48/1200	79592	14.8
	450mm (18") Y-Type Cushion Angle	YTA-18/450	79593	2.6
	600mm (24") Y-Type Cushion Angle	YTA-24/600	79594	3.3
١,	750mm (30") Y-Type Cushion Angle	YTA-30/750	79595	4.0
2	900mm (36") Y-Type Cushion Angle		79596	4.7
1050mm (42") Y-Type Cushion Angle		YTA-42/1050	79597	5.4
	1200mm (48") Y-Type Cushion Angle	YTA-48/1200	79598	6.2
3	Y-Type Angle Clamp* (2 Clamps)	YTAC	79623	1.0
4	YST Drop Bracket Kit (2 Brackets)	YSTDBK2	113390	14.5
5a	YST Spring Yellow	YSTS-Y	79795	0.1
5b	YST Spring Purple	YSTS-P	79796	0.2
5c	YST Spring Silver (Y-Type Carbide Cleaners)	CTS-S	77743	0.2
6	YST Mounting Bracket (incl. Angle Bracket)	YSTMB	79843	1.5
7a	YST Guide Block Kit (Pair)	YSTGBK	79845	0.2
7b	YST Guide Block Kit UHT (Pair)	YSTGBK-R	91811	0.2
8a	YST Lower Bushing Kit (Pair)	YSTLBK	79846	0.05
8b	YST Lower Bushing Kit UHT (Pair)	YSTLBK-R	91812	0.05
9a	YST Top Bushing Kit White (Pair)	YSTTBK-W	79847	0.05
9b	YST Top Bushing Kit Black (Pair)	YSTTBK-B	79855	0.05
9с	YST Top Bushing Kit UHT (Pair)	YSTBKPU-R	91813	0.05
10	YST Pole Mount Kit*	YSTPMK	79848	2.0
11	YST Adjusting Rod Nut Kit	YSTANK	79857	0.1
-	YST Tensioner w/Yellow Spring (Pair) (incl. 2 ea. item 5a, 6, 10, 11; 1 ea. items 7a, 8a, 9a)	YST-Y	79836	8.3
-	YST Tensioner w/Purple Spring (Pair) (incl. 2 ea. item 5b, 6, 10, 11; 1 ea. items 7a, 8a, 9a)	YST-P	79837	8.4
-	YST Tensioner w/Silver Spring (Pair) (incl. 2 ea. item 5c, 6, 10, 11; 1 ea. items 7a, 8a, 9b)	YST-S	79838	8.5
-	YST Tensioner w/Yellow Spring UHT (Pair) (incl. 2 ea. item 5a, 6, 10, 11; 1 ea. items 7b, 8b, 9c)	YST-Y-R	91814	8.3
-	YST Tensioner w/Purple Spring UHT (Pair) (incl. 2 ea. item 5b, 6, 10, 11; 1 ea. items 7b, 8b, 9c)	YST-P-R	91815	8.4

*Hardware included Lead time: 1 working day

Blades Required per Cleaner Size

mm	450	600	750	900	1050	1200
in.	18	24	30	36	42	48
No. Blades Required	6	8	10	12	14	16

Replacement Blades/Blade Cartridges

REF	DESCRIPTION	ORDERING NUMBER	ITEM CODE	WT. KG.
12	Y-Type Carbide Blade (single)	YT-C	79574	0.5
	450mm (18") Y-Type Carbide Blade Cartridge	YCART-18/450-TC	79811	5.7
	600mm (24") Y-Type Carbide Blade Cartridge	YCART-24/600-TC	79812	7.5
	750mm (30") Y-Type Carbide Blade Cartridge	YCART-30/750-TC	79813	9.3
-	900mm (36")Y-Type Carbide Blade Cartridge	YCART-36/900-TC	79814	11.0
	1050mm (42") Y-Type Carbide Blade Cartridge	YCART-42/1050-TC	79815	12.7
	1200mm (48") Y-Type Carbide Blade Cartridge	YCART-48/1200-TC	79816	14.5
-	Y-Type Purple Polyurethane Blade (single)	YT-P	79573	0.5
	450mm (18") Y-Type Purple Blade Cartridge	YCART-18/450-P	79617	5.9
	600mm (24") Y-Type Purple Blade Cartridge	YCART-24/600-P	79618	7.8
	750mm (30") Y-Type Purple Blade Cartridge	YCART-30/750-P	79619	9.6
-	900mm (36")Y-Type Purple Blade Cartridge	YCART-36/900-P	79620	11.4
	1050mm (42") Y-Type Purple Blade Cartridge	YCART-42/1050-P	79621	13.2
	1200mm (48") Y-Type Purple Blade Cartridge	YCART-48/1200-P	79622	15.0
-	Y-Type White Polyurethane Blade (single)	YT-W	79572	0.5
	450mm (18") Y-Type White Blade Cartridge	YCART-18/450-W	79611	5.9
	600mm (24") Y-Type White Blade Cartridge	YCART-24/600-W	79612	7.8
	750mm (30") Y-Type White Blade Cartridge	YCART-30/750-W	79613	9.6
-	900mm (36")Y-Type White Blade Cartridge	YCART-36/900-W	79614	11.4
	1050mm (42") Y-Type White Blade Cartridge	YCART-42/1050-W	79615	13.2
	1200mm (48") Y-Type White Blade Cartridge	YCART-48/1200-W	79616	15.0
-	Y-Type Red Polyurethane Blade (single)	YT-R	91804	0.5
	18" (450mm) Y-Type Red Blade Cartridge	YCART-18/450-R	91805	5.9
	24" (600mm) Y-Type Red Blade Cartridge	YCART-24/600-R	91806	7.8
	30" (750mm) Y-Type Red Blade Cartridge	YCART-30/750-R	91807	9.6
-	36" (900mm) Y-Type Red Blade Cartridge	YCART-36/900-R	91808	11.4
	42" (1050mm) Y-Type Red Blade Cartridge	YCART-42/1050-R	91809	13.2
	48" (1200mm) Y-Type Red Blade Cartridge	YCART-48/1200-R	91810	15.0

Lead time: 1 working day

Spring Tensioner Selection Chart

Cleaner Blade Width	79838 YST-S	79836 YST-Y	79837 YST-P	91814 YST-Y-R	91815 YST-P-R
Carbide 450-1200mm (18-48")	Χ				
Polyurethane 450-750mm (18-30")		Х			
Polyurethane 900-1200mm (36-48")			Χ		
Red UHT PU 450-750mm (18-30")				Х	
Red UHT PU 900-1200mm (36-48")					Х



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:



- 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



