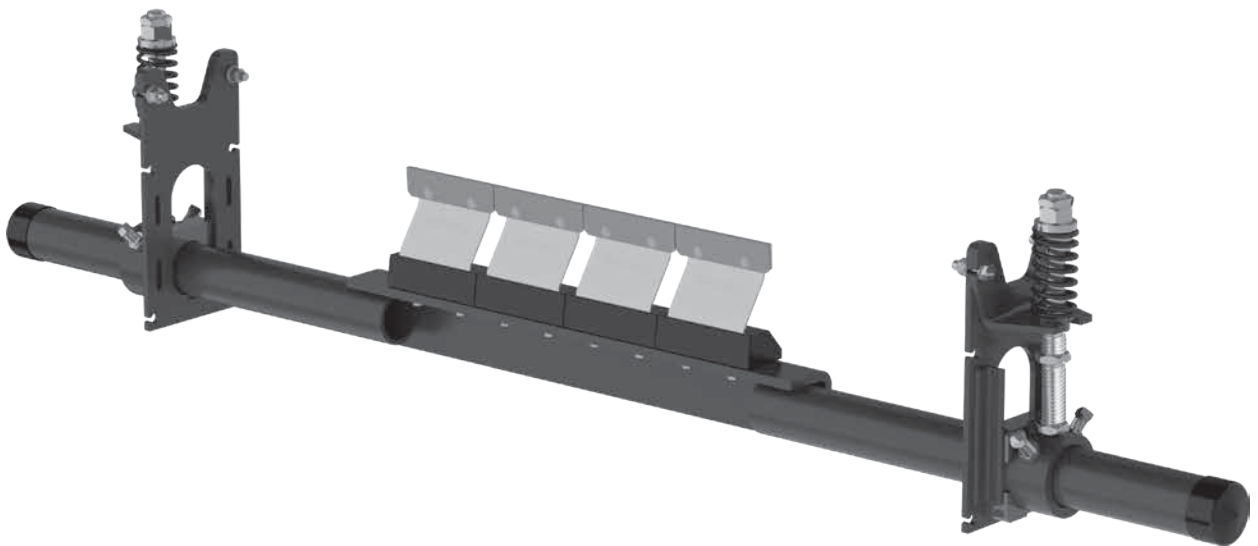


FMS Secondary Cleaner with YST Tensioners

Installation, Operation and Maintenance Manual



FMS Secondary Cleaner with YST Tensioners

Serial Number: _____

Purchase Date: _____

Purchased From: _____

Installation Date: _____

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

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

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Section 1 - Important Information

1.1 General Introduction

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

Customer Service: +65-6484-1533

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 FMS Secondary 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 FMS Secondary 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 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)

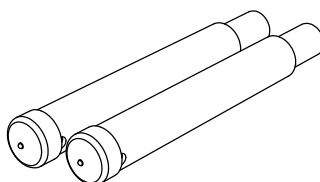
3.2 Optional Installation Accessories

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

76024

HD Pole Extender Kit

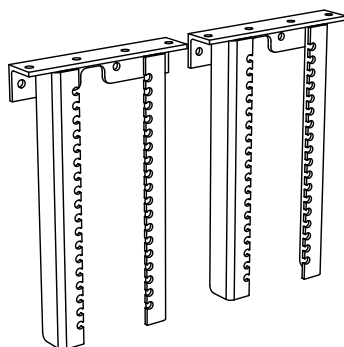
- Provides 750mm of extended pole length
- Includes 2 pole extenders



79850

YST HD Drop Bracket Kit

- Includes 2 drop brackets



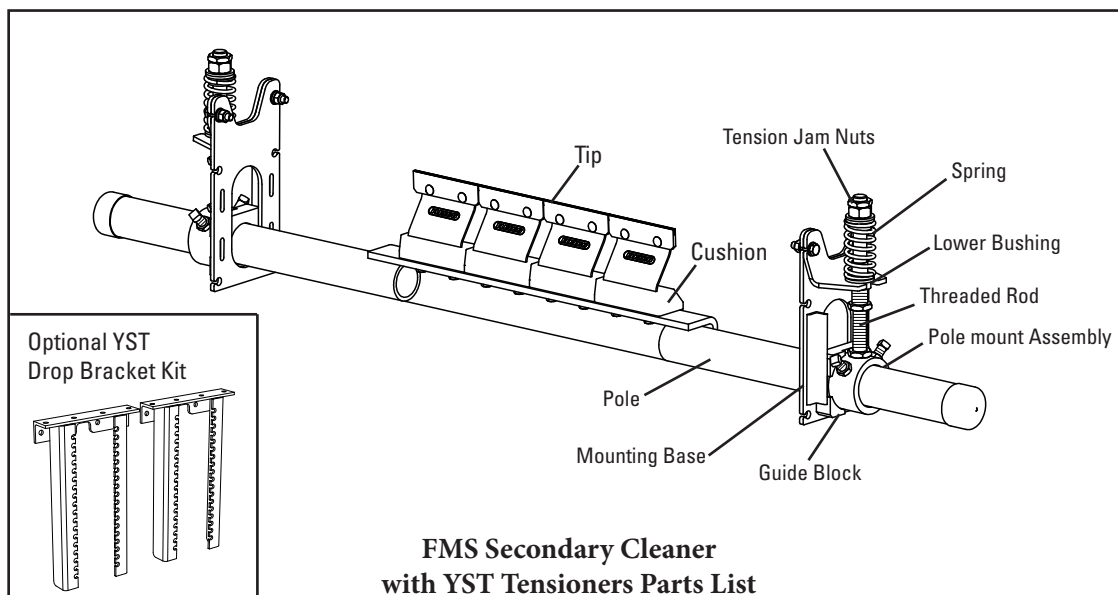
Optional Installation Accessories

Description	Ordering Number	Item Code	Wt. Kg
Pole Extender Kit	MAPEK	76024	9.9
YST HD Drop Bracket Kit	YSTDDBK	79850	14.5

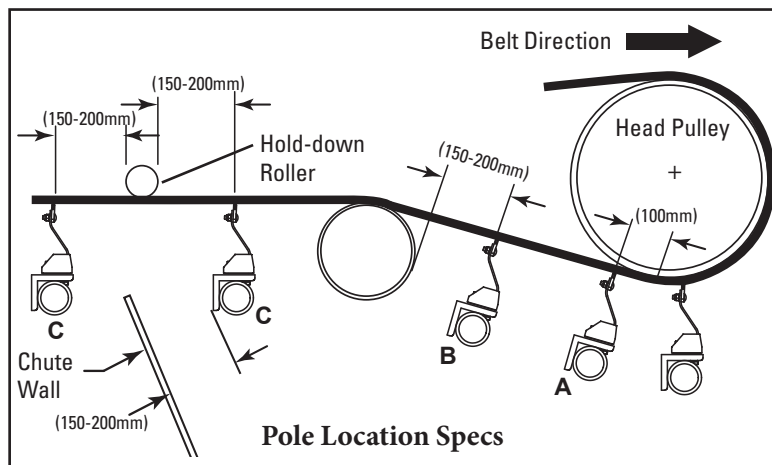
Lead time: 1 working day

Section 4 - Installation Instructions

4.1 FMS Secondary Cleaner with YST Tensioners for belts 450-1800mm



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



Tools Needed

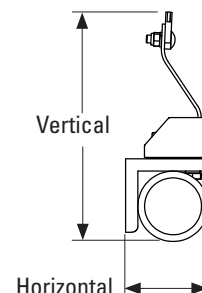
- Adjustable Wrench OR
- 10mm Wrench
- 14mm Wrench
- 19mm Wrench
- 25mm Wrench
- 29mm Wrench
- Tape Measure
- Marking Pen
- Ratchet With 19mm Socket
- (2) 150mm C-Clamps (for Temporary Positioning of Mounting Brackets)
- Cutting Torch and/or Welder
- Level
- Allen Key Set

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

HORIZONTAL	VERTICAL
89 mm	245 mm



Section 4 - Installation Instructions

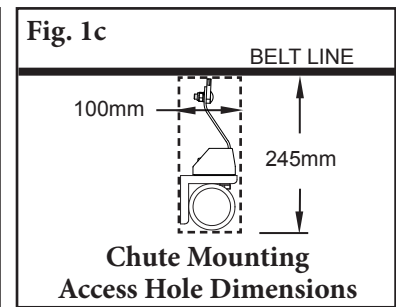
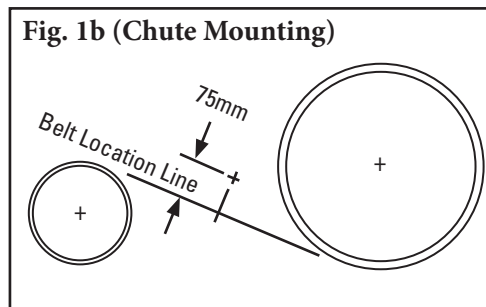
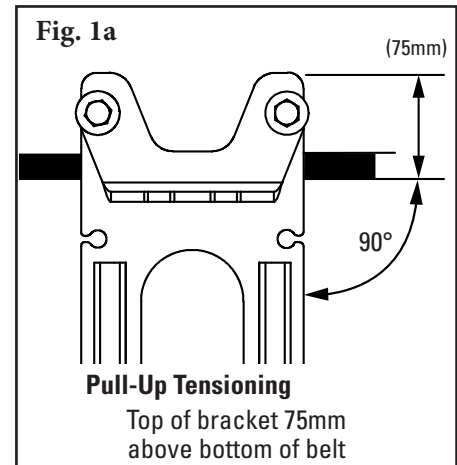
4.1 FMS Secondary Cleaner with YST Tensioners

1. **Install spring tensioner mounting bases.** (For push-up tensioning refer to additional instructions on Page 10.) Clamp mounting base into position so top flange of base is located the proper distance above 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.

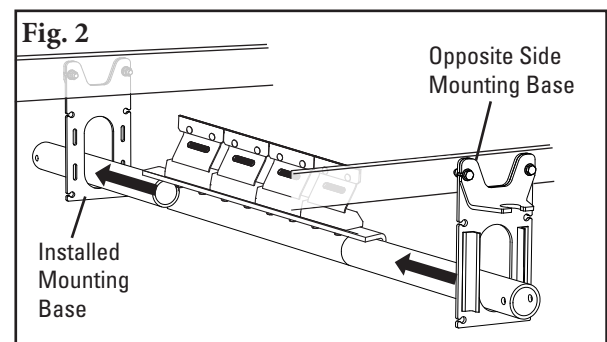
For chute mounting: For chute installation a belt location line must first be established. Draw a line on the chute replicating this location. If head pulley and snub pulley are close, it may be necessary to assume an approximate belt line between the two. In the determined location draw a line perpendicular 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.

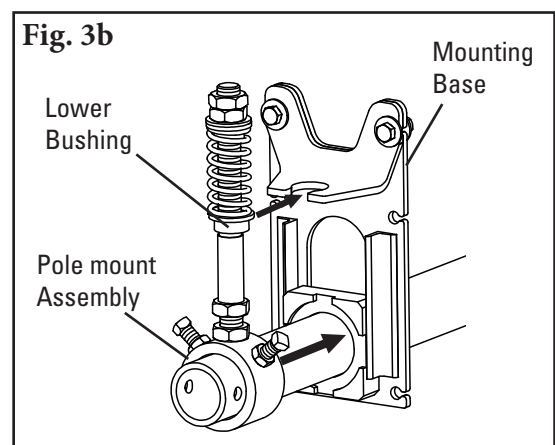
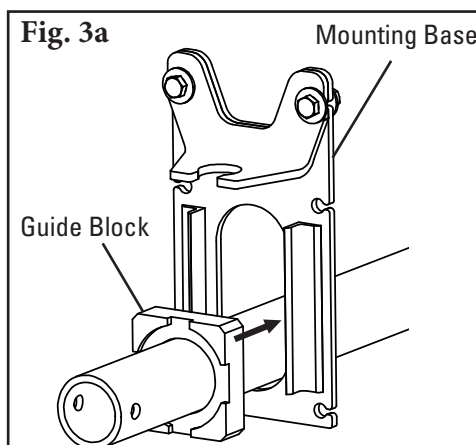
NOTE: The mounting brackets must be aligned perpendicular to the belt.



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).



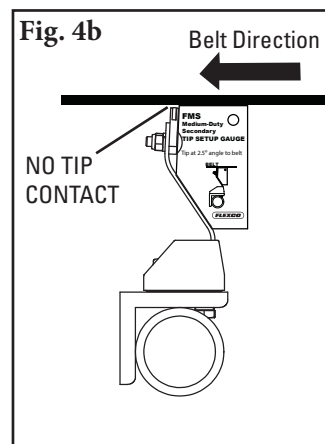
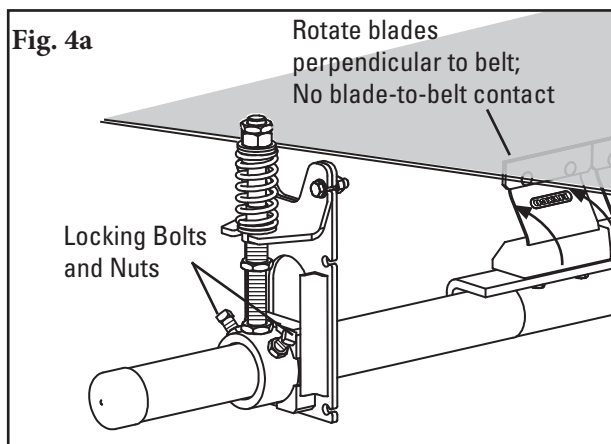
3. **Assemble tensioners.** Slide guide blocks over each end of pole (Fig. 3a) and position in mounting base as shown (Fig. 3b). Slide tensioner assembly over each end of pole and position lower bushing into mounting base (Fig. 3b).



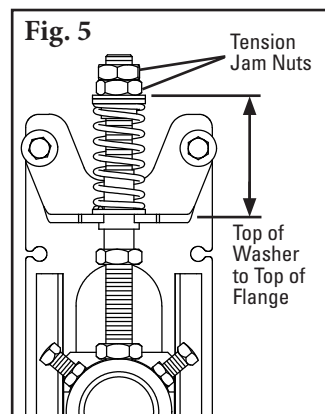
Section 4 - Installation Instructions

4.1 FMS Secondary Cleaner with YST Tensioners

4. **Secure pole.** Center pole/ blades on belt and rotate pole (Fig. 4a) until the tips align with the FMS tip setup gauge provided (Fig. 4b). Tighten the two locking bolts and nuts on each pole mount assembly to lock pole in place (Fig. 4a). Use allen key to lock in set screw. There should be no blade-to-belt contact while locking the pole in the correct position. If contact occurs, double check the dimension from Step 1.



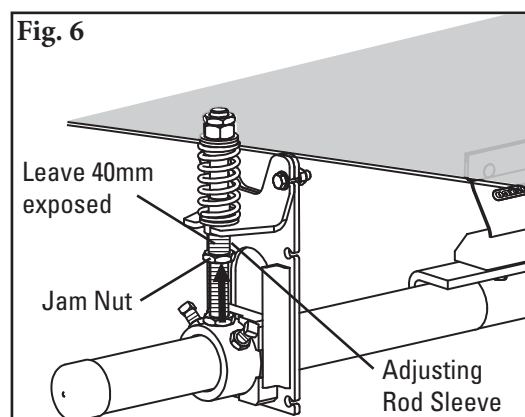
5. **Set blade tension.** Loosen top tension jam nut on both sides and turn nuts until correct spring compression is reached (Fig. 5). Spring compression is determined by spring length. See chart below for correct spring length for your belt width.
6. **Set adjusting rod sleeve.** After setting blade tension, screw adjusting rod sleeve up into UHMW bushing until 40mm is showing (Fig. 6). Tighten adjusting rod sleeve jam nut.
7. **Test run the cleaner and inspect the cleaning performance.** If vibration occurs or more cleaning efficiency is desired, increase the blade tension by making 3mm compression adjustments on the tension springs.



FMS with YST HD Spring Length Chart

Blade Width	Blue Springs	Silver Springs	Black Springs
450	88	N/A	N/A
600	82	95	N/A
750	76	92	95
900	69	92	95
1050	63	88	92
1200	N/A	85	88
1350	N/A	82	88
1500	N/A	79	85
1800	N/A	N/A	79

Shading indicates preferred spring option.



Section 4 – Installation Instructions (cont.)

4.2 FMS Secondary Belt Cleaner with YST Tensioners Push-Up Tensioning Option

Fig. 1a

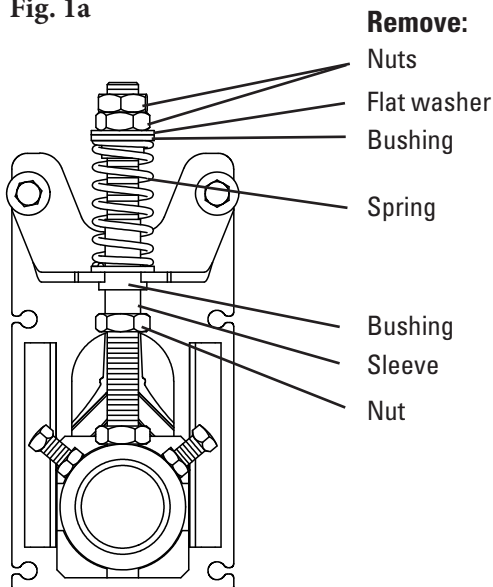
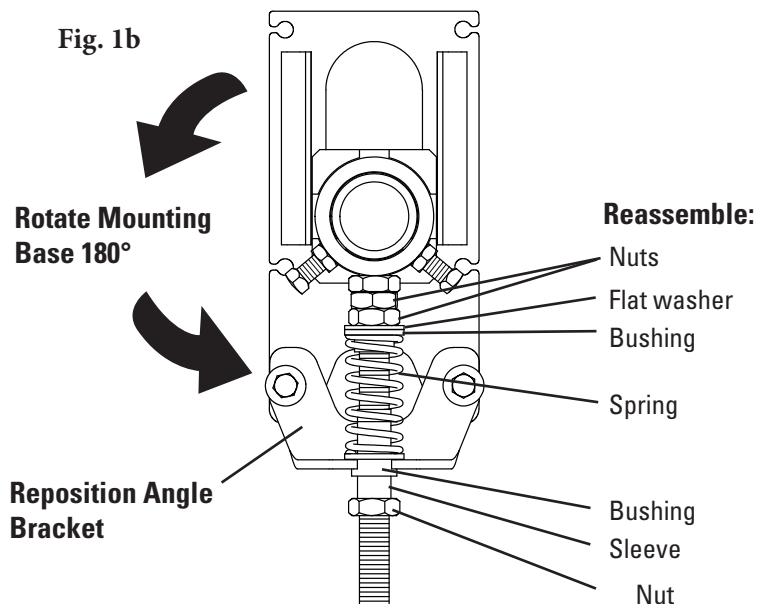


Fig. 1b



- 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 1-1/2" (40mm) below the bottom of the belt (Fig. 2).
- 3. Install the cleaner pole and set the blade angle.** Follow installation steps 2-4 from the cleaner instructions on Page 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 Spring Length Chart below. Tighten the 2 tension nuts together to prevent loosening.

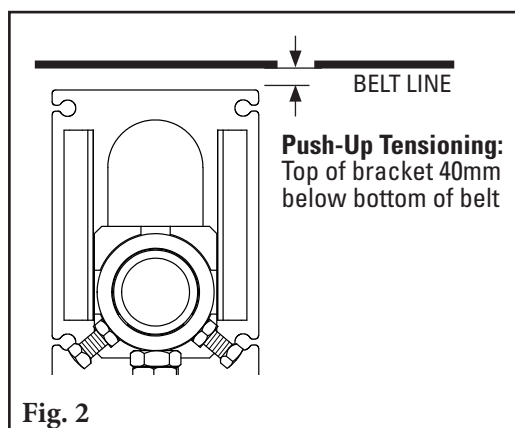
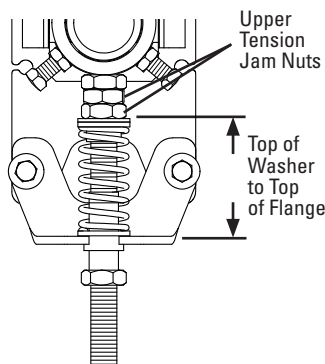


Fig. 2



FMS with YST HD Spring Length Chart

Blade Width	Blue Springs	Silver Springs	Black Springs
450	88	N/A	N/A
600	82	95	N/A
750	76	92	95
900	69	92	95
1050	63	88	92
1200	N/A	85	88
1350	N/A	82	88
1500	N/A	79	85
1800	N/A	N/A	79

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 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 or when adjustments are needed later.

Section 6 - Maintenance

Flexco belt cleaners are designed to operate with minimum maintenance. However, to maintain superior performance some service is required. When the cleaner is installed a regular maintenance program should be set up. This program will ensure that the cleaner operates at optimal efficiency and problems can be identified and fixed before the cleaner stops working.

All safety procedures for inspection of equipment (stationary or operating) must be observed. The FMS 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 should look for:

- If spring length is the correct length for optimal tensioning
- If belt looks clean or if there are areas that are dirty
- If blades are worn out and need to be replaced
- If there is damage to the blades or other cleaner components
- If fugitive material is built up on cleaner or in the transfer area
- If there is cover damage to the belt
- If there is vibration or bouncing of the cleaner on the belt
- If a snub pulley is used, a check should be made for material buildup on the pulley
- Significant signs of carryback

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

6.3 Routine Physical Inspection (every 6-8 weeks)

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

- Clean material buildup off of the cleaner blade and pole.
- Closely inspect the blades 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 chart on the cleaner or the one on Page 9.
- When maintenance tasks are completed, test run the conveyor to ensure the cleaner is performing properly.

Section 6 - Maintenance

6.4 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: _____

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

Activity: _____

Section 6 - Maintenance

6.5 Cleaner Maintenance Checklist

Site: _____ Inspected by: _____ Date: _____

Belt Cleaner: _____ Serial Number: _____

Beltline Information:

Beltline Number: _____ Belt Condition: _____

Belt Width: ☐ 450mm (18") ☐ 600mm (24") ☐ 750mm (30") ☐ 900mm (36") ☐ 1050mm (42") ☐ 1200mm (48") ☐ 1350mm (54") ☐ 1500mm (60") ☐ 1800mm (72") ☐ 2100mm (84") ☐ 2400mm (96")

Belt Speed: _____ fpm Belt Thickness: _____

Belt Splice: _____ Condition of Splice: _____ Number of Splices: _____ ☐ Skived ☐ Unskived

Material conveyed: _____

Days per week run: _____ Hours per day run: _____

Blade Life:

Date blade installed: _____ Date blade inspected: _____ Estimated blade life: _____

Is blade making complete contact with belt? ☐ Yes ☐ No

Distance from wear line: Left _____ Middle _____ Right _____

Blade condition: ☐ Good ☐ Grooved ☐ Smiled ☐ Not contacting belt ☐ Damaged

Measurement of spring: Required _____ Currently _____

For SAT2 Tensioner only: Air/Nitrogen Pressure Required _____ Currently _____
Inspect SAT2 bags and lines

Was Cleaner Adjusted: ☐ Yes ☐ No

Pole Condition: ☐ Good ☐ Bent ☐ Worn

Lagging: ☐ Side 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 with gauge)
	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
	UHMW bearing worn out or missing	Replace bearing
Material buildup on cleaner	Cleaner not set up correctly	Ensure cleaner set up properly
	Buildup on chute	Ensure cleaner is not located too close to back of chute, allowing buildup
	Cleaner being overburdened	Introduce Flexco precleaner
	Excessive sticky material	Frequently clean unit of buildup
Damaged belt cover	Cleaner over-tensioned	Ensure cleaner is correctly tensioned
	Cleaner blade damage	Check blade for wear, damage and chips, replace where necessary
	Attack angle not correct	Ensure cleaner set up properly (check tip angle with gauge)
	Material buildup in chute	Frequently clean unit of buildup
Cleaner not conforming to belt	Cleaner not set up correctly	Ensure cleaner set up properly (check tip angle with gauge)
	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 with gauge)
	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 or brush cleaner
	Cleaner cannot conform	Ensure cleaner can conform to belt (introduce hold-down roller), or replace with alternate Flexco secondary cleaner
	Blade in backwards	Install blade correctly and set correct tension
Damage to mechanical fastener	Incorrect cleaner blade selection	Change blade type to accommodate fastener style (C or V)
	Belt not skived correctly	Spot and redo splice correctly, lowering the profile flush or below belt surface
	Blade angle incorrect	Reset with gauge
Missing material in belt center only	Cupped Belt	Install hold-down roller and reset blade angle with gauge
	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 with gauge
	Cleaner blade worn/damaged	Check blade for wear, damage and chips, replace where necessary
MST Tensioners binding	Tensioners not aligned properly	Adjust mounting bases until tensioners travel without binding
	Material buildup on tensioner guide pole	Clean off guide pole

Section 8 - Specs and CAD Drawings

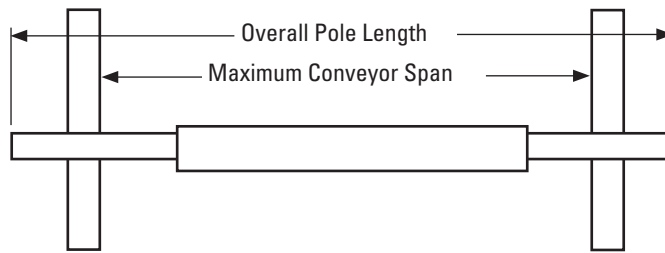
8.1 Specs and Guidelines

Pole Length Specifications*

CLEANER SIZE	BLADE WIDTH	POLE LENGTH	MAXIMUM CONVEYOR SPAN
450	450	1800	1550
600	600	1950	1700
750	750	2100	1850
900	900	2250	2000
1050	1050	2400	2150
1200	1200	2550	2300
1350	1350	2700	2450
1500	1500	2850	2600
1800	1800	3150	2900

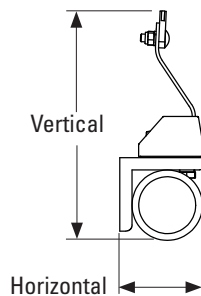
*For special extra long pole length requirements a Pole Extender Kit (#76024) is available that provides 750mm of extended pole length. See Page 6.

Pole Diameter 73mm



Clearance Requirements for Installation

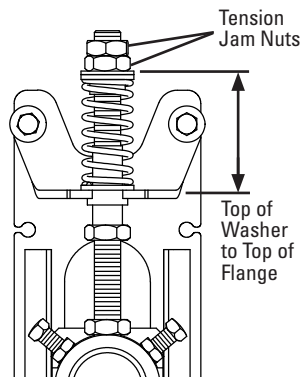
HORIZONTAL	VERTICAL
89 mm	245 mm



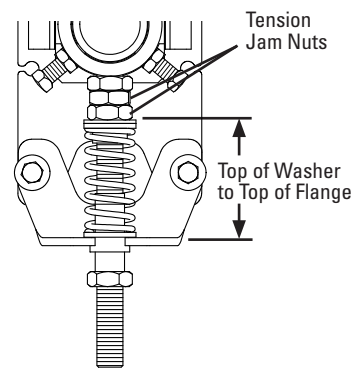
FMS with YST HD Spring Length Chart

Blade Width	Blue Springs	Silver Springs	Black Springs
450	88	N/A	N/A
600	82	95	N/A
750	76	92	95
900	69	92	95
1050	63	88	92
1200	N/A	85	88
1350	N/A	82	88
1500	N/A	79	85
1800	N/A	N/A	79

Shading indicates preferred spring option.



Pull-up Tensioning option



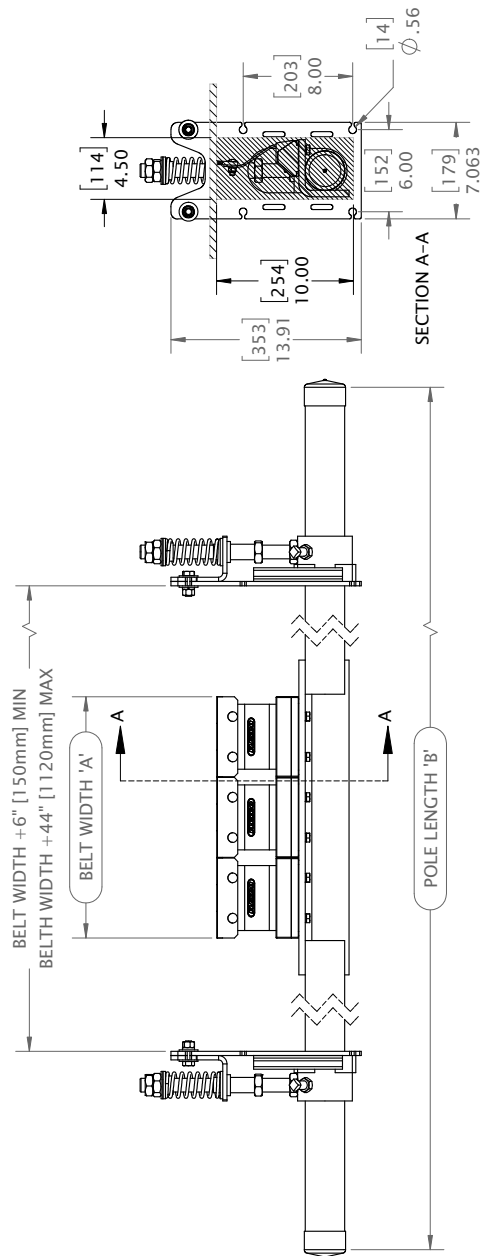
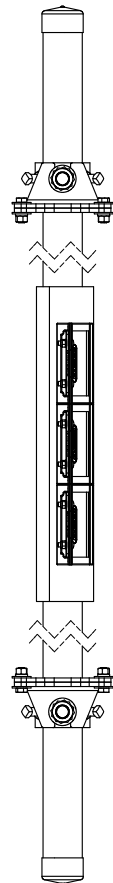
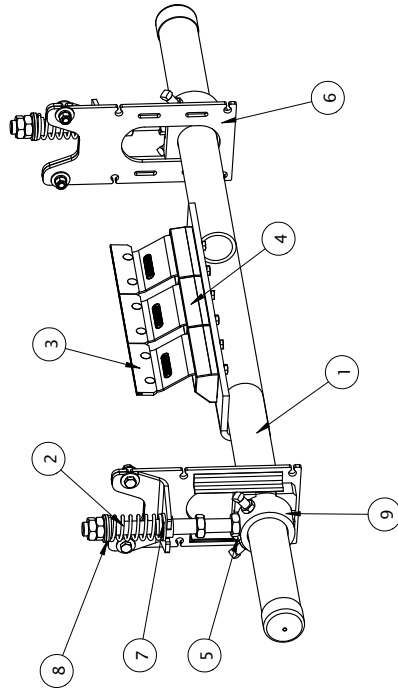
Push-up Tensioning option

- Maximum Belt Speed 5 m/s
- Temperature Rating -35°C to 82°C
- Usable Blade Wear Length 9mm
- Blade Materials C-Tip: Impact Resistant Tungsten Carbide (works with mechanical fasteners)
- Available for Belt Widths 450 to 1800mm. Other sizes available upon request.
- CEMA Cleaner Rating..... Class 3

Section 8 - Specs and CAD Drawings

8.2 CAD Drawing - FMS with YST HD Tensioners

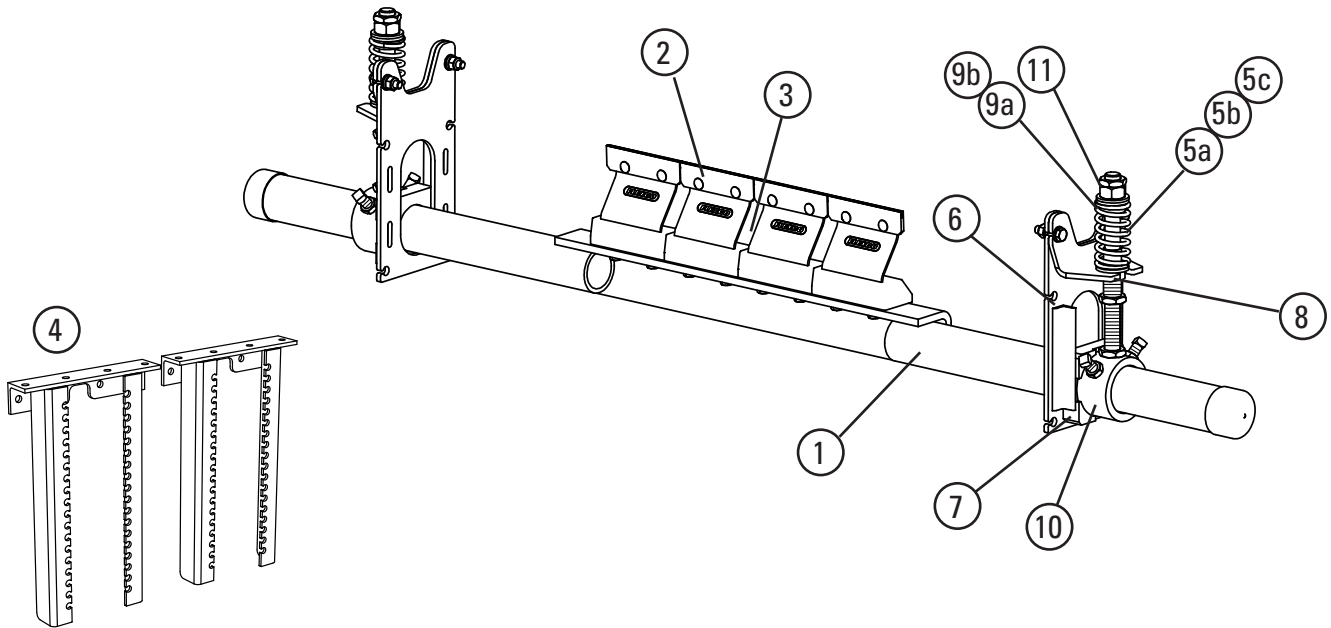
SPECIFICATIONS				FMS C CLEANER		ITEM (1) POLE	ITEM (2) SPRING			
BELT WIDTH 'A'		POLE LENGTH 'B'		# OF TIPS	ORDER NUMBER	ITEM CODE	ORDER NUMBER	ITEM CODE	P/N	COLOR
(in)	(mm)	(in)	(mm)							
18	450	72	1828	3	FMS-18-YST	90545	MHSP-18	76178	79797	GREEN
24	600	78	1981	4	FMS-24-YST	90546	MHSP-24	75918	79797	GREEN
30	750	84	2133	5	FMS-30-YST	90547	MHSP-30	75919	79797	GREEN
36	900	90	2286	6	FMS-36-YST	90548	MHSP-36	75920	79798	BLUE
42	1050	96	2438	7	FMS-42-YST	90549	MHSP-42	75921	79798	BLUE
48	1200	102	2590	8	FMS-48-YST	90550	MHSP-48	75922	75843	SILVER
54	1350	108	2743	9	FMS-54-YST	90551	MHSP-54	75923	75843	SILVER
60	1500	114	2895	10	FMS-60-YST	90552	MHSP-60	75924	75844	BLACK
72	1800	126	3200	12	FMS-72-YST	90553	MHSP-72	75925	75844	BLACK



ITEM NUMBER	DESCRIPTION	ORDER NUMBER	ITEM CODE
3	C-TIP	ICT6	74535
4	FMS-2.0 CUSHION	FMSC-2.0	91444
-	YST SPRING TENSIONER - GREEN	YSTHD-CR	79839
-	YST SPRING TENSIONER - BLUE	YSTHD-BL	79841
-	YST SPRING TENSIONER - SILVER	YSTHD-S	79840
-	YST SPRING TENSIONER - BLACK	YSTHD-BK	79842
5	YST GUIDE BLOCK	YSTHDCBK	79851
6	YST MOUNTING BRACKET	YSTHDMB	79849
7	YST HD LOWER BUSHING KIT	YSTHDLBK	79852
8a	YST HD TOP BUSHING KIT WHITE	YSTHDBK-W	79853
8b	YST HD TOP BUSHING KIT BLACK	YSTHDBK-B	79856
9	YST HD POLE MOUNT KIT	YSTPHDMK	79854
10	YST HD ADJUSTING ROD NUT KIT	YSTANKHD	79858

Section 9 - Replacement Parts

9.1 Replacement Parts List - FMS Secondary Cleaner



Replacement Parts

REF	DESCRIPTION	ORDERING NUMBER	ITEM CODE	WT. Kg
1	450mm Pole	MHSP-18	76178	21.0
	600mm Pole	MHSP-24	75918	23.5
	750mm Pole	MHSP-30	75919	26.0
	900mm Pole	MHSP-36	75920	28.5
	1050mm Pole	MHSP-42	75921	31.0
	1200mm Pole	MHSP-48	75922	33.5
	1350mm Pole	MHSP-54	75923	36.0
	1500mm Pole	MHSP-60	75924	38.6
	1800mm Pole	MHSP-72	75925	43.6
2a	C-Tip*	ICT6	74535	0.3
3	FMS Cushion Kit*	FMSC	79699	1.9
4	YST HD Drop Bracket Kit (2 Brackets)	YSTDDBK	79850	14.6
5a	YST HD Spring, Blue	YSTDHS-BL	79798	0.3
5b	SST Spring, Silver	STS-S	75843	0.4
5c	SST Spring, Black	STS-B	75844	0.5
6	YST HD Mounting Bracket (incl. Angle Bracket)	YSTDHMB	79849	3.0
7	YST HD Guide Block Kit (Pair)	YSTDHGBK	79851	0.5
8	YST HD Lower Bushing Kit (Pair)	YSTDHLBK	79852	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
10	YST HD Pole Mount Kit*	YSTPHDMK	79854	3.5
11	YST HD Adjusting Rod Nut Kit	YSTANKHD	79858	0.3
-	YST Tensioner w/Blue Spring (Pair) for belts 450-1050mm (incl. 2 ea. item 5a, 6, 10, 11; 1 ea. items 7, 8, 9a)	YSTDH-BL	79841	15.0
-	YST Tensioner w/Silver Spring (Pair) for belts 1200-1500mm (incl. 2 ea. item 5b, 6, 10, 11; 1 ea. items 7, 8, 9a)	YSTDH-S	79840	15.2
-	YST Tensioner w/Black Spring (Pair) for belts 1800mm (incl. 2 ea. item 5c, 6, 10, 11; 1 ea. items 7, 8, 9b)	YSTDH-BK	79842	15.5

*Hardware Included

Lead time: 1 working day

Spring Tensioner Selection Chart

Cleaner Blade Width	Blue YSTDH-BL	Silver YSTDH-S	Black YSTDH-BK
450 - 1050mm	X		
1200 - 1500mm		X	
1800mm			X

Blades Required per Cleaner Size

Cleaner Size	450	600	750	900	1050	1200	1350	1500	1800
Blades Required	3	4	5	6	7	8	9	10	12

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

Section 10 - Other Flexco Conveyor Products

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

MMP Precleaner



- Extra cleaning power right on the head pulley
- A 250mm TuffShear™ blade provides increased blade tension on the belt to peel off abrasive materials
- The unique Visual Tension Check™ ensures optimal blade tensioning and quick, accurate retensioning
- Easy to install and simple to service

DRX Impact Beds



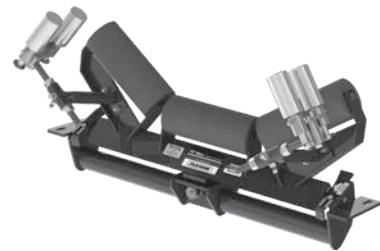
- Exclusive Velocity Reduction Technology™ to better protect the belt
- Slide-Out Service™ gives direct access to all impact bars for change-out
- Impact bar supports for longer bar life
- 4 models to custom fit to the application

MDWS DryWipe Secondary Cleaner



- Wipes the belt dry as final cleaner in system
- Automatic blade tensioning to the belt
- Easy, visual blade tension check
- Simple, one-pin blade replacement

PT Max™ Belt Trainer



- Patented “pivot & tilt” design for superior training action
- Dual sensor rollers on each side to minimize belt damage
- Pivot point guaranteed not to freeze up
- Available for topside and return side belts

Flexco Specialty Belt Cleaners



- “Limited space” cleaners for tight conveyor applications
- High Temp cleaners for severe, high heat applications
- A rubber fingered cleaner for chevron and raised rib belts
- Multiple cleaner styles in stainless steel for corrosive applications

Belt Plows



- A belt cleaner for the tail pulley
- Exclusive blade design quickly spirals debris off the belt
- Economical and easy to service
- Available in vee or diagonal models

240 Macpherson Road • #02-01 • Singapore 348574
Tel: +65-6484-1533 • Fax: +65-6484-1531 • E-mail: asiasales@flexco.com

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