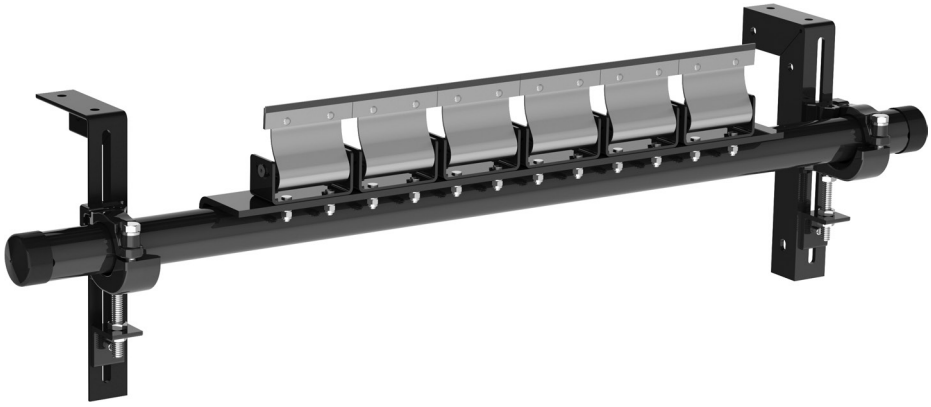
MHS HD Secondary Belt Cleaner

Installation, Operation and Maintenance Manual



FLEXCO

Purchase Date:_____

Purchased From: _____

Installation Date: _____

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 an MHS HD 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.

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 MHS HD 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 MHS HD 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
- Tension adjustments
- Blade replacement
- Cleaning
- Repairs

⚠ DANGER

It is imperative that Lockout/Tagout (LOTO) regulations, be followed before undertaking the preceding activities. Failure to use LOTO exposes workers to uncontrolled behavior of the belt cleaner caused by movement of the conveyor belt. Severe injury or death can result.

Before working:

- Lockout/Tagout the conveyor power source
- Disengage any takeups
- Clear the conveyor belt or clamp securely in place

⚠ WARNING

Use Personal Protective Equipment (PPE):

- Safety eyewear
- Hardhats
- Safety footwear

Close quarters, springs and heavy components create a worksite that compromises a worker's eyes, feet and skull.
PPE must be worn to control the foreseeable hazards associated with conveyor belt cleaners. Serious injuries can be avoided.

2.2 Operating Conveyors

There are two routine tasks that must be performed while the conveyor is running:

- Inspection of the cleaning performance
- Dynamic troubleshooting

⚠ DANGER

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

⚠ WARNING

Belt cleaners can become projectile hazards. Stay as far from the cleaner as practical and use safety eyewear and headgear. Missiles can inflict serious injury.

⚠ WARNING

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

Section 3 - Pre-installation Checks and Options

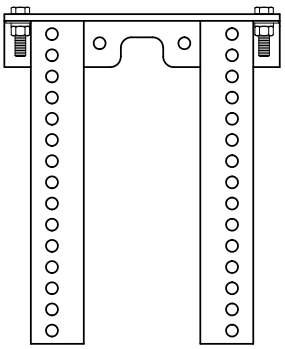
3.1 Checklist

- 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?

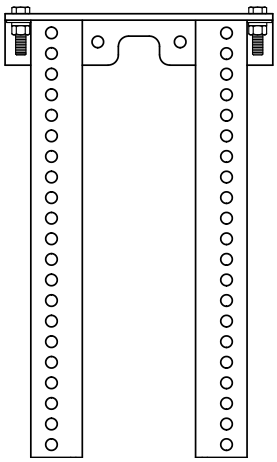
    (see 3.2 - Optional Installation Accessories)

3.2 Optional Installation Accessories

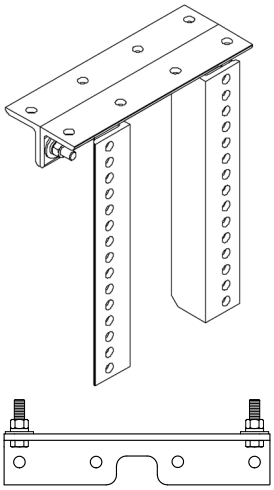
Versatile, adjustable brackets that can be mounted on the conveyor structure so the MHS HD Secondary Cleaner can be quickly and easily bolted into place. Pole extenders are also available for wide, non-standard conveyor structures.



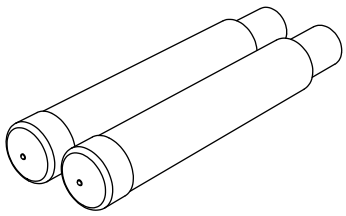
SST Standard Mounting Bracket Kit (for SST XD Tensioner)
(Item Code: 76071)
- For most secondary cleaner installs.
- 325 x 388 mm (13 x 15-1/2")



SST Long Mounting Bracket Kit (for SST XD Tensioner)
(Item Code: 76072)
- For installations that require extra length legs.
- 325 x 538 mm (13 x 21-1/2")



SST Optional Top Angle Kit (for SST XD Tensioner)
(Item Code: 76073)
- Used with both standard and long mounting bracket kits for additional mounting options.
- 325 mm (13")



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

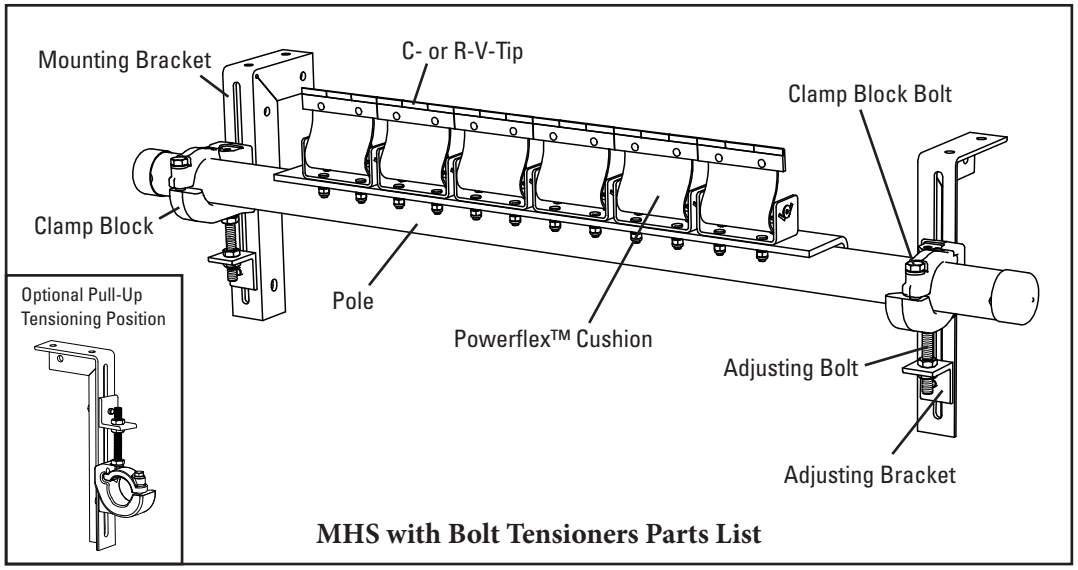
Optional Mounting Kits (includes 2 brackets/bars)

DESCRIPTION	ORDERING NUMBER	ITEM CODE	WT. KG
Standard Mounting Bracket Kit *	SSTSMB	76071	15.6
Long Mounting Bracket Kit *	SSTLMB	76072	19.7
Optional Top Angle Kit *	SSTOTA	76073	4.8
Pole Extender Kit	MAPEK	76024	9.9

*Hardware Included
Lead time: 1 working day

Section 4 - Installation Instructions

4.1 MHS HD

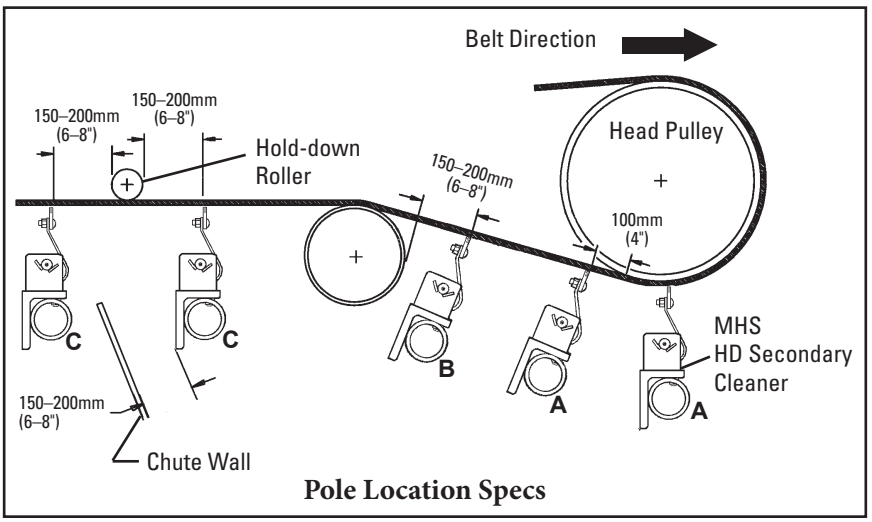


MHS with Bolt Tensioners Parts List

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

Tools Needed:

- 14 mm (9/16") Wrench
- 19 mm (3/4") Wrench
- 22 mm (7/8") Wrench
- 35 mm (1-3/8") Wrench **OR** Large Adjustable/ Crescent Wrenches (x2)
- Clamps (x2)
- Torch (as needed)
- Welder (as needed)
- Tape Measure
- Level
- Marking Pen or Soapstone



Pole Location Specs

Section 4 - Installation Instructions

4.1 MHS HD

1. **Install the mounting brackets.** Locate the mounting bracket perpendicular to the beltline so that the centre of the clamp block hole is 175mm (7") below the beltline (Fig. 1). To move the clamp block, if necessary, loosen the clamp block and adjusting bracket lock bolts and move the clamp block to the correct position. Cut access holes as needed. Bolt or weld in place. Locate and install the mounting bracket on the opposite side.

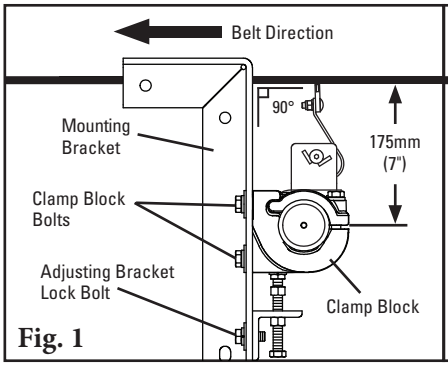


Fig. 1

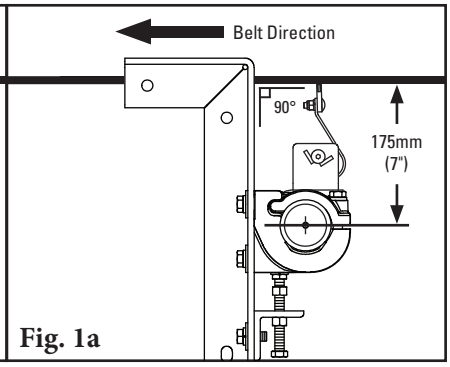


Fig. 1a

   NOTE: For chute mounting, a belt location line must be drawn on the chute wall so the mounting bracket can be positioned 175mm (7") below the belt (Fig. 1a).

2. **Install the pole.** Remove the two clamp block bolts from the access side and remove the outer half. On the opposite side, loosen the clamp block bolts. Next, slide the pole across the belt into the loosened clamp block, position the other end into the inner half clamp block, and reassemble the outer half (Fig. 2). Do not fully tighten the clamp block bolts on either side.

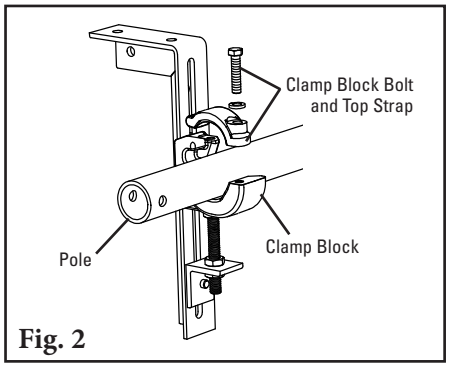


Fig. 2

3. **Set the tip angle.** With the angle setup gauge provided, rotate the tips to the preset angle (Fig. 3) and lock the pole in place by tightening the clamp block bolts equally.

   NOTE: Make sure there is NO tip-to-belt contact while making this alignment. If contact occurs, lower the pole by loosening the clamp block lock bolts and raising the top adjusting bolt jam nut (Fig. 3a). When the tips are lowered and not touching the belt, repeat this step on the opposite side.

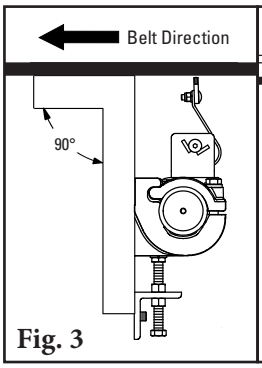


Fig. 3

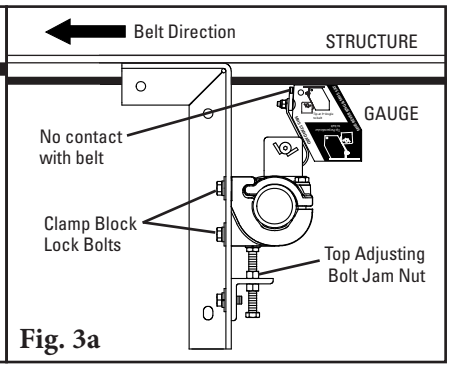


Fig. 3a

4. **Set the tip tension.** With all the clamp block lock bolts slightly loosened, back down the bottom adjusting bolt jam nut 4–5 turns on both sides (Fig. 4). Turn the top adjusting bolt jam nuts down until light contact is made between tips and belt across the entire width of the cleaner. Give an additional 1 full turn to both top and bottom bolt jam nuts. Tighten all clamp block lock bolts. Double check that all bolts and nuts on the cleaner are tight.

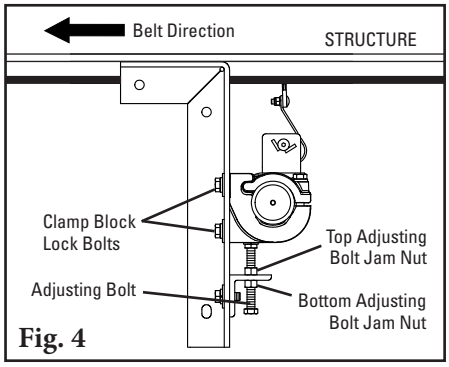


Fig. 4

5. **Check the tip tension.** Pull back on the outside tip until the belt to-tip contact is broken and releases. The total blade thickness of the adjacent tip must be visible (Fig. 5). Add or reduce the tension by 1/4 turn (see Step 4) until full thickness of the adjacent tip is visible.

6. **Test run the cleaner and inspect its performance.** If vibration occurs or more cleaning efficiency is desired, increase the tip tension by making a 1/4 turn on each adjusting bolt.

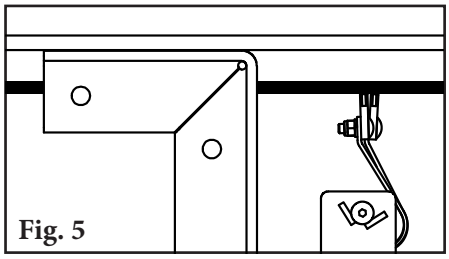


Fig. 5

Section 5 - Pre-Operation Checklist and Testing

5.1 Pre-Op Checklist

- Recheck that all fasteners are tightened properly.
- Add pole caps.
- Apply all supplied labels to the cleaner.
- Check the blade location on the belt.
- Be sure that all installation materials and tools have been removed from the belt and the conveyor area.

5.2 Test Run the Conveyor

- Run the conveyor for at least 15 minutes and inspect the cleaning performance.
- Check the tensioner 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.

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 MHS HD Secondary 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 belt looks clean or if there are areas that are dirty
- If blades are worn out and needs to be replaced
- If there is damage to the blade or other cleaner components
- If fugitive material is built up on 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 blades 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
- When maintenance tasks are completed, test run the conveyor to ensure the cleaner is performing properly

Section 6 - Maintenance

6.4 Blade Replacement Instructions

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

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

a. Loosen the top adjusting bolt jam nuts 25mm (1") on the top of the adjusting brackets (Fig. 1).

b. Loosen the clamp block lock bolts on both sides and allow the pole to move down and rest on the raised top adjusting bolt jam nuts (Fig. 1a).

c. Make location marks across the mounting bracket and the clamp block for quick positioning after blade replacement (Fig. 1b).

d. Remove the clamp block lock bolts and adjusting bracket lock bolts on each side and remove the pole with the clamp blocks and adjusting brackets attached (Fig. 1c).

e. Remove the nuts, lock washers, and flat washers from the tips and remove worn tips (Fig. 1d).

f. Insert new blade tips and install flat washers, lock washers and nuts finger tight. Buff the outside corners of the last tip on each side of the cleaner.

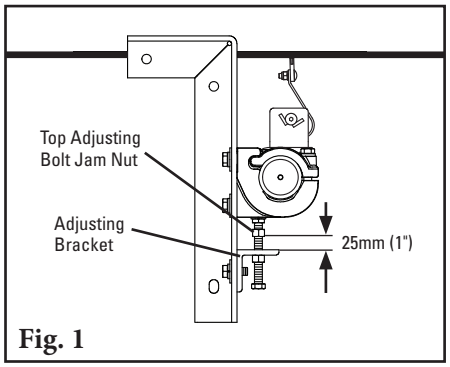


Fig. 1

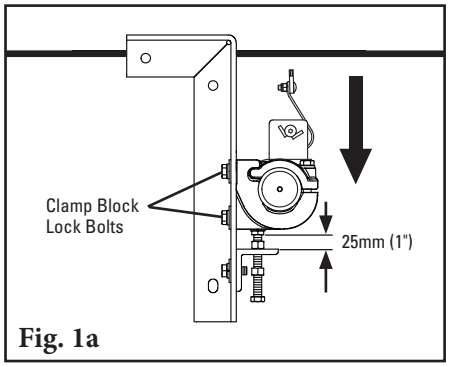


Fig. 1a

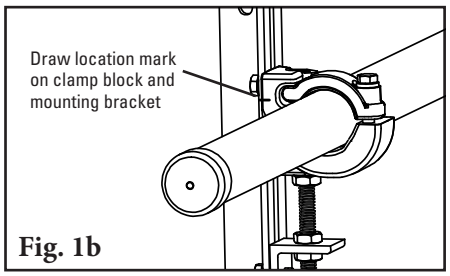


Fig. 1b

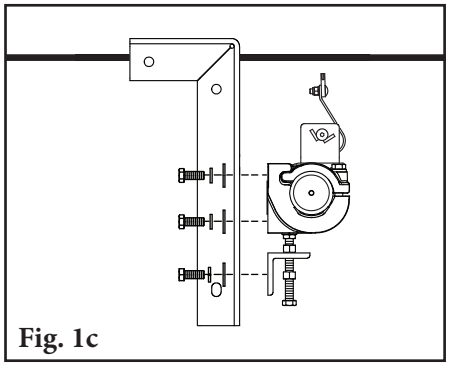


Fig. 1c

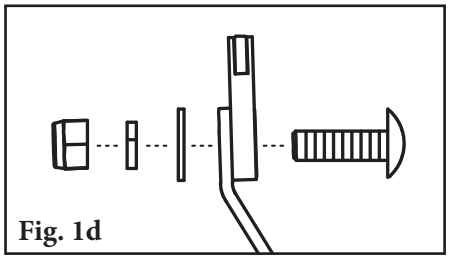


Fig. 1d

6.4 Blade Replacement Instructions

2. **Align the blade tips.** Push tips together so there is no more than a .25mm to .38mm (.010" to 015") gap between them. Position a straightedge along the top surface of new blade tips. Pull upward on each blade to align with the bottom of the straightedge and tighten the nuts (Fig. 2).

3. **Reinstall the pole.** Slide the pole back into position on the mounting brackets, aligning marks made on the bracket and the clamp block. Install the two adjusting bracket lock bolts and tighten. Install the four clamp block lock bolts finger tight (Fig. 3).

4. **Set the blade tension.** Turn the top adjusting bolt jam nuts down until light tip to belt contact is made across the entire width of the cleaner. Add an additional 1 turn on the top adjusting bolt jam nuts and lock the bottom adjusting bolt jam nuts. Tighten all clamp block lock bolts.

   NOTE: If the belt is cupped, do not overtension the blades to contact the belt. A hold-down roller should be installed to flatten the belt (Fig. 4 and 4a). (Try the Stabilizing Return Roller or Stabilizing Roller Bracket Kit.)

5. **Check the blade tip tension.** Pull back on the outer blade in the direction of belt travel until the blade breaks contact with the belt. Let go of the blade. With correct tension the full thickness of the adjacent blade tip should be visible in front of the outer blade (Fig. 5). Also check the centre blade in same manner. Add tension in 1/4-turn increments on the top adjusting bolt jam nuts until view of full thickness of the adjacent blade tip is achieved.

6. **Test run cleaner and inspect operation.** If vibration occurs, increase tip tension by making 1/4-turn adjustments.

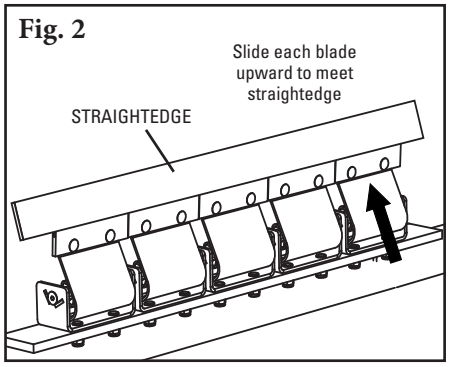


Fig. 2

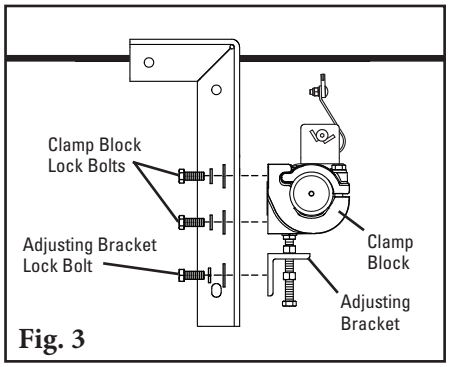


Fig. 3

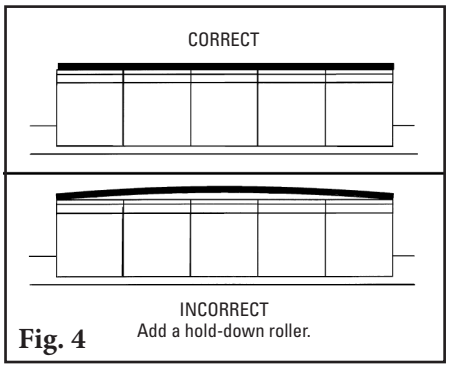


Fig. 4

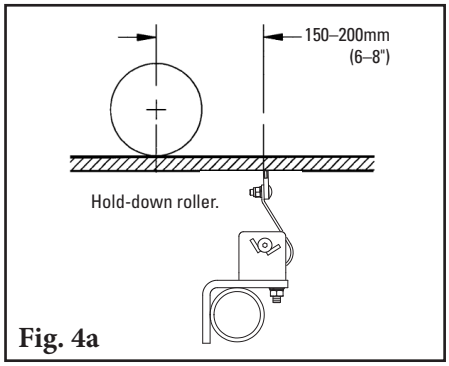


Fig. 4a

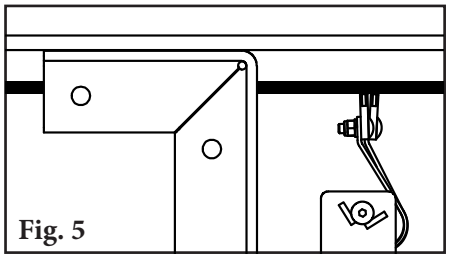


Fig. 5

Section 6 - Maintenance

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 #: _____

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

Activity: _____

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

Activity: _____

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

Activity: _____

Section 6 - Maintenance

6.6 Cleaner Maintenance Checklist

Site: _____ **Inspected by**: _____ **Date:** _____

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

Beltline Information:

Beltline Number: _____ Belt Condition: _____

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

Belt Speed:_____ m/s Belt Thickness: _____

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

Material conveyed: _____

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

Blade Life:

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

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

Distance from wear line: Left _____ Middle _____ Right _____

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

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) MHS Standard 1°-3° into belt; MHS Reversing and SAT XD perpendicular
	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
	Nylon bearing worn out or missing	Replace nylon bearing
Material buildup on cleaner	Cleaner not set up correctly	Ensure cleaner set up properly (1°-3° into belt)
	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) MHS Standard 1°-3° into belt; MHS Reversing and SAT XD perpendicular
	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) MHS Standard 1°-3° into belt; MHS Reversing and SAT XD perpendicular
	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) MHS Standard 1°-3° into belt; MHS Reversing and SAT XD perpendicular
	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
	Blade in backwards	Install blade correctly and set correct tension
Damage to mechanical fastener	Incorrect cleaner blade selection	Change blade type to accomodate fastener style (UC or UF)
	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 centre 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

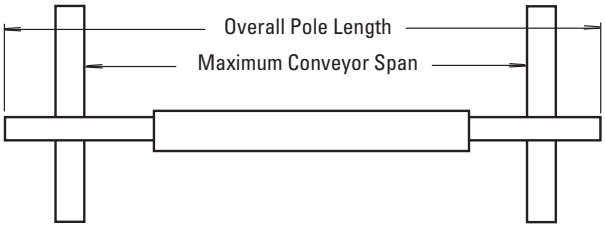
Section 8 - Specs and CAD Drawings

8.1 Specs and Guidelines

Pole Length Specifications

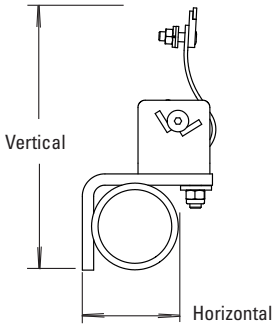
CLEANER SIZE		BLADE WIDTH		POLE LENGTH		MAXIMUM CONVEYOR SPAN	
mm	in.	mm	in.	mm	in.	mm	in.
600	24	600	24	1350	54	1225	49
750	30	750	30	1500	60	1375	55
900	36	900	36	1650	66	1525	61
1050	42	1050	42	1800	72	1675	67
1200	48	1200	48	1950	78	1825	73
1350	54	1350	54	2200	88	2075	83
1500	60	1500	60	2350	94	2225	89
1800	72	1800	72	2650	106	2525	101
1800	72	1800	72	3150	126	3025	121
2100	84	2100	84	2950	118	2825	113
2400	96	2400	96	3250	130	3125	123
2600	104	2600	104	3450	138	3325	131
2800	112	2800	112	3650	146	3525	139
3000	120	3000	120	3850	154	3725	147

Pole Diameter - 73mm (2-7/8")



Clearance Guidelines for Installation

HORIZONTAL CLEARANCE REQUIRED		VERTICAL CLEARANCE REQUIRED	
mm	in.	mm	in.
100	4	238	9-1/2

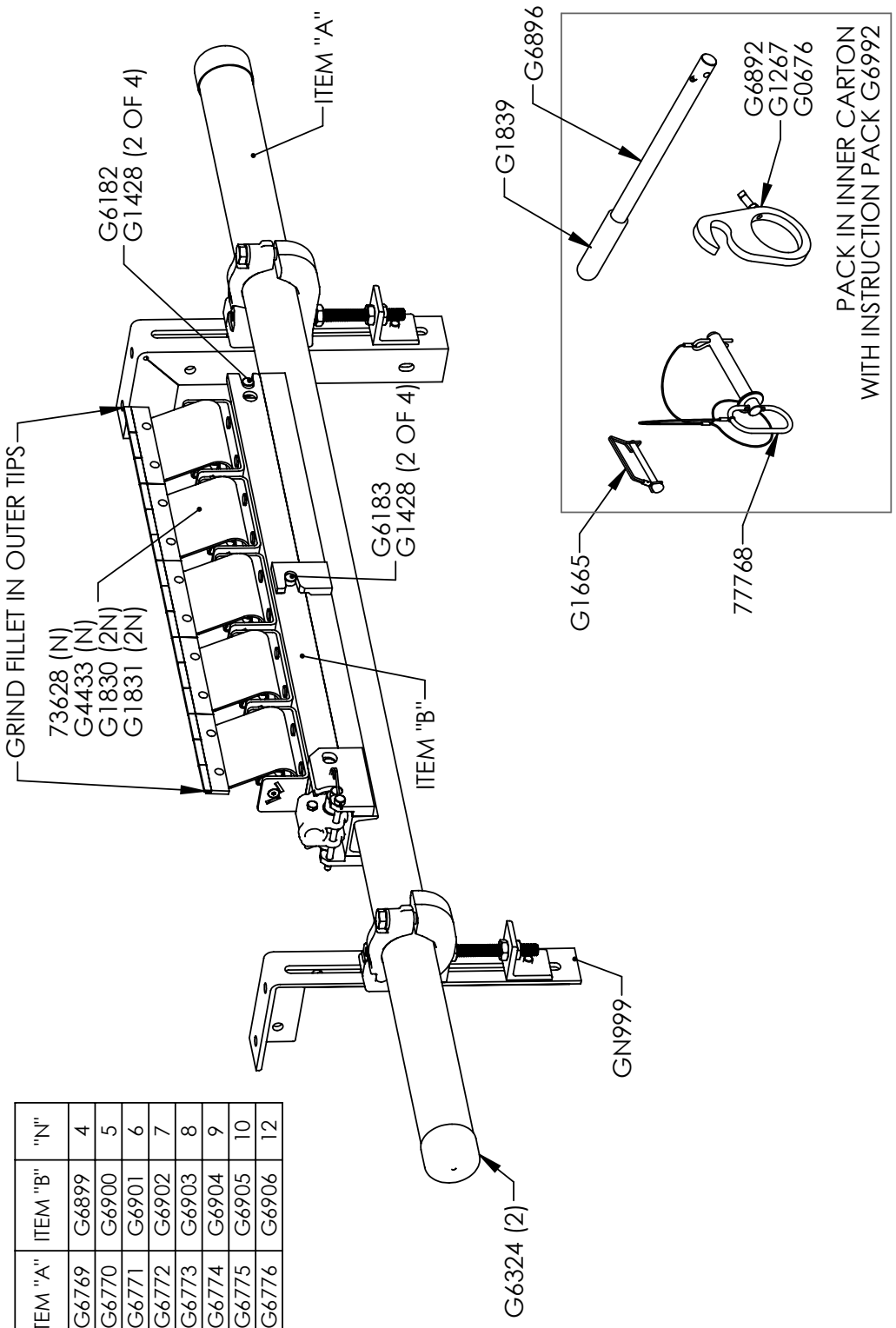


Specifications:

- Maximum Belt Speed .....6 m/s (1200 FPM)
- Temperature Rating .....-35 to 82°C (-30 to 180°F)
- Usable Blade Wear Length.....9 mm (3/8")
- Blade Materials .....**C-Tip:** Impact Resistant Tungsten Carbide (works with mechanical fasteners)
  V-Tip: Long Life Tungsten Carbide (for vulcanized belts only)
- Available for Belt Widths .....450 to 2400 mm (18 to 96"). Other sizes available upon request.
- CEMA Cleaner Rating .....Class 5

Section 8 - Specs and CAD Drawings

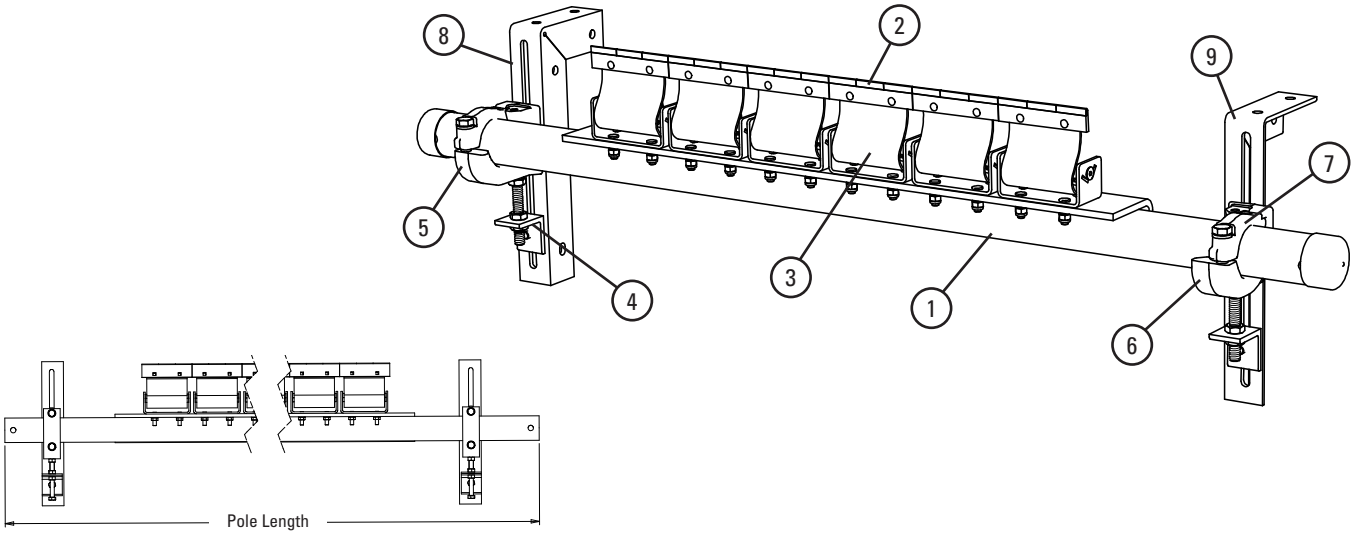
8.2 CAD Drawing - MHS HD - Bolt Tensioners



ITEM NUMBER	BELT WIDTH	ITEM "A"	ITEM "B"	"N"
78007	600	G6769	G6899	4
78008	750	G6770	G6900	5
78009	900	G6771	G6901	6
78010	1050	G6772	G6902	7
78011	1200	G6773	G6903	8
78012	1350	G6774	G6904	9
78013	1500	G6775	G6905	10
78014	1800	G6776	G6906	12

Section 9 - Replacement Parts

9.1 Replacement Parts List - MHS HD - Bolt Tensioners



Replacement Parts

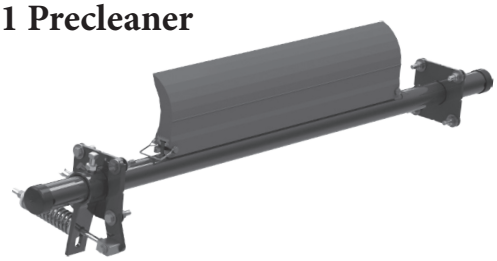
REF	DESCRIPTION				MILD STEEL			STAINLESS STEEL		
	BELT WIDTH		POLE LENGTH		ORDERING NUMBER	ITEM CODE	WT KG.	ORDERING NUMBER	ITEM CODE	WT KG.
	mm	in.	mm	in.						
1	600	24	1350	54	MHS-P600*	77499	21.0	MHS-P600S/S*	77508	21.5
	750	30	1500	60	MHS-P750*	77500	23.5	MHS-P750S/S*	77509	24.0
	900	36	1650	66	MHS-P900*	77501	26.0	MHS-P900S/S*	77510	26.5
	1050	42	1800	72	MHS-P1050*	77502	28.5	MHS-P1050S/S*	77511	29.0
	1200	48	1950	78	MHS-P1200*	77527	31.0	MHS-P1200S/S*	77528	31.8
	1350	54	2100	84	MHS-P1350*	77503	33.5	MHS-P1350S/S*	77512	34.3
	1500	60	2350	94	MHS-P1500*	77504	36.0	MHS-P1500S/S*	77513	36.8
	1800	72	2650	106	MHS-P1800*	77505	38.5	MHS-P1800S/S*	77514	39.3
	2100	84	3200	128	MHS-P2100*	77506	43.5	MHS-P2100S/S*	77515	44.5
	2400	96	3250	130	MHS-P2400*	77507	51.0	MHS-P2400S/S*	77516	52.0
2	R - V-Tip (for vulcanised belts only)				RSA150	73628	0.4	RVT6-S/S	76205	0.4
	C-Tip (for mechanically spliced and vulcanised belts)				ICT6	74535	0.4			
3	PowerFlex™ Cushion				SPFC	79200	2.0	SPFC-S/S	79201	2.0
4	Adjusting Bracket Kit* (1ea.)				PAB	75513	0.7	PAB-S/S	75515	0.7
5	HD Pole Clamp Kit Left* (1ea.) (incl. item 9a) for sizes 1200–2400mm (48–96")				CCKHDL	79225	4.0	CCKHDL-S/S	79227	4.0
6	HD Pole Clamp Kit Right* (1ea.) (incl. item 9a) for sizes 1200–2400mm (48–96")				CCKHDR	79229	4.0	CCKHDR-S/S	79231	4.0
7	HD Cradle Clamp Top Strap (1ea.) (for use on L or R HD Pole Clamp Kit)				CCKHDTS	79233	0.8	CCKHDTS-S/S	73235	0.8
8	Mounting Bracket Kit - Left				PMBL	75516	3.8	PMBL-S/S	75518	3.8
9	Mounting Bracket Kit - Right				PMBR	75519	3.8	PMBR-S/S	75521	3.8
-	HD Cradle Clamp Mounting Kit* (incl. 2 ea. item 4, and 1 ea. items 5, 6, 8 & 9) for sizes 1200–2400mm (48–96")				CCMKHD	78920	16.7	CCMKHD-S/S	78922	16.7

*Lead time: 3 weeks

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

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

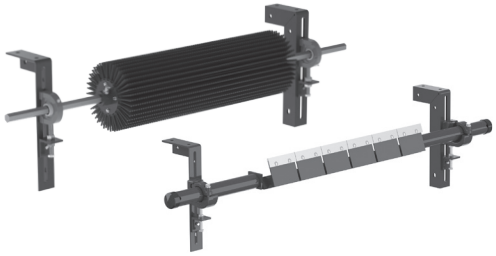
MHS Secondary Cleaner

- Long-wearing tungsten carbide blades for superior cleaning efficiency
- Patented FormFlex™ cushions independently tension each blade to the belt for consistent, constant cleaning power
- Easy to install, simple to service
- Works with Flexco mechanical belt splices

PT Max™ Belt Trainer

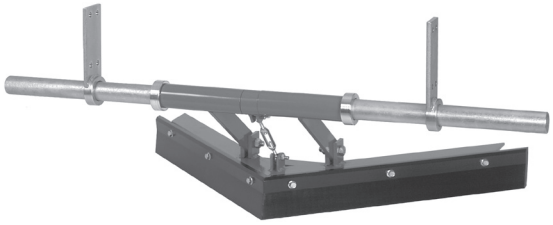
- Patented “pivot & tilt” design for superior training action
- Dual sensor rollers on each side to minimize belt damage
- Pivot point guaranteed not or freeze up
- Available for topside and return side belts

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 Ploughs



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

Visit **www.flexco.com** for other Flexco locations and products, or to find an authorised distributor.