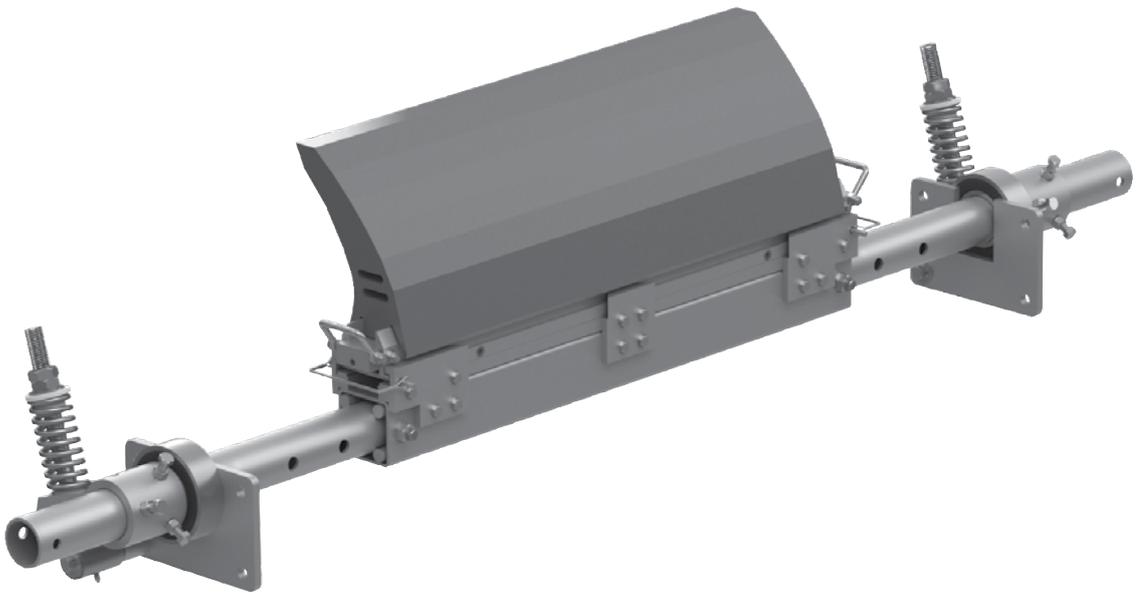


MHCP S/S Stainless Steel Primary

Installation, Operation and Maintenance Manual



M

MHCP S/S FRAS Stainless Steel Primary

Purchase Date: _____
Purchased From: _____
Installation Date: _____

This information will be helpful for any future enquiries 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 a MHCP S/S Primary Cleaner for your conveyor system.

This manual will help you to understand the operation of this product and assist you in making it work 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:

Web site: Flexco.com

Customer Service: Australia: 612-8818-2000

Chile: 56-2-8967870 • China: 86-21-33528388 • England: 44-1274-600-942

Germany: 49-7428-9406-0 • India: 91-44-4354-2091 • Mexico: 52-55-5674-5326

Singapore: 65-6281-7278 • South Africa: 27-11-608-4180 • USA: 1-630-971-0150

Please read this manual thoroughly and pass it on to any others who will be directly responsible for installation, operation and maintenance of this cleaner. While we have tried to make the installation and service tasks as easy and simple as possible, **it does however require correct installation and regular inspections and adjustments to maintain top working condition.**

1.2 User Benefits

Correct installation and regular maintenance will provide the following benefits for your operation:

- Reduced conveyor downtime
- Reduced man-hour labour
- Lower maintenance budget costs
- Increased service life for the belt cleaner and other conveyor components

1.3 Service Option

The Primary 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 Primary Cleaner, it is important to review and understand the following safety information.

There are set-up, maintenance and operational activities involving both **stationary** and **operating** conveyors. Each case has a safety protocol.

2.1 Stationary Conveyors

The following activities are performed on stationary conveyors:

- Installation
- Blade replacement
- Repairs
- Tension adjustments
- Cleaning

DANGER

It is imperative that Lockout/Tagout (LOTO) regulations, be followed before undertaking the preceding activities. Failure to use LOTO exposes workers to uncontrolled behaviour 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 may 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
 - Are there obstructions that may require cleaner location adjustments (see 3.2 – Cleaner Location Adjustments)
 - Is the install on an open head pulley requiring mounting structure (see 3.3 – Optional Installation Accessories)

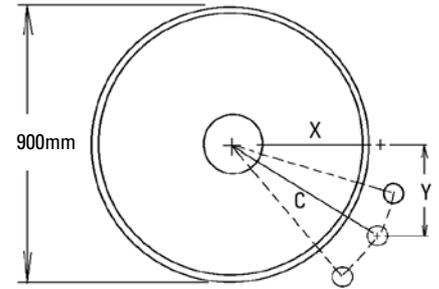
Section 3 – Pre-Installation Checks and Options

3.2 Cleaner Location Adjustments

In certain applications it is necessary to modify the location of the primary cleaner pole due to permanent obstacles that obstruct the desired location. Relocating the pole location can be done easily and does not hinder the performance of the cleaner as long as the “C” dimension is maintained.

NOTE: In the following example we will be lowering the pole location in the “Y” direction, but the same method could also be applied in the “X” direction.

- Conveyor situation:
- Pulley Diameter: 900 mm
- X = 429 mm
- Y = 413 mm
- C = 596 mm

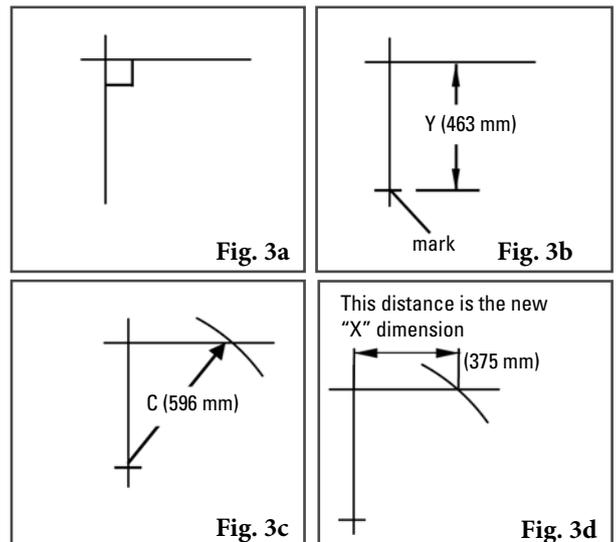


1. **Determine the given location dimensions and define the change needed.** After laying out the given X & Y dimensions, determine the distance of the modification required for adequate clearance of the pole and tensioning system. (In the example we decide to lower the pole 50 mm to clear the support structure).
2. **Write down known dimensions.** We can now determine two of the three required dimension which will allow us to find the third. We know we cannot alter the “C” dimension, so this will remain the same. Also we are required to lower the unit in the “Y” dimension 50 mm, so we add 50 mm to the given “Y” dimension.

- X = ?"
- Y = 413 + 50 = 463 mm
- C = 596 mm

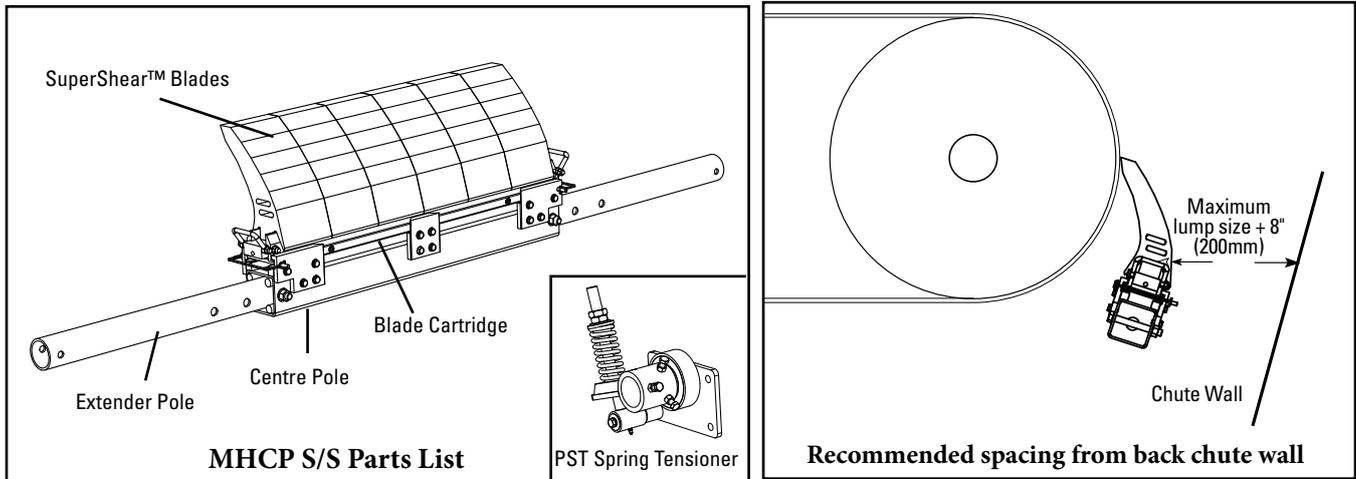
3. **Determine final dimension.** On a flat vertical surface, using a level, draw one horizontal line and one vertical line creating a right triangle (Fig 3a). Measure down from the intersection the determined “Y” dimension and mark (Fig 3b). With the tape measure starting at the modified “Y” mark, swing the tape across the “X” line and mark at the “C” dimension where it crosses the “X” line (Fig 3c). Measure from the intersection to the “C” intersection and this will be your new “X” dimension (Fig. 3d).

- X = 375 mm
- Y = 463 mm
- C = 596 mm



Section 4 – Installation Instructions

4.1 MHCP S/S Primary Cleaner



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

CAUTION: Components may be heavy. Use safety-approved lifting procedures.

Tools Needed:

- Tape Measure
- Wrenches or Crescent Wrenches: (2) 19mm, (2) 38mm, (1) 24mm, and (1) 16mm

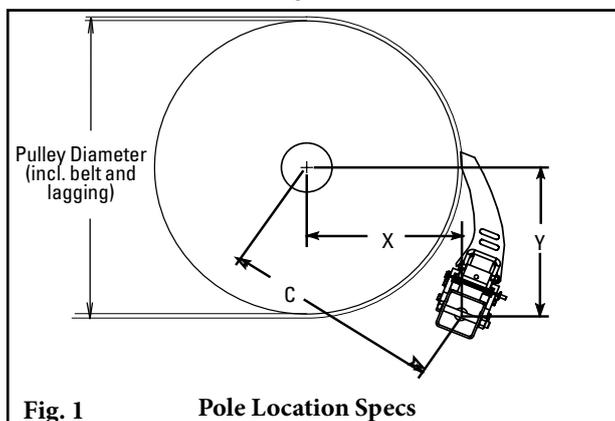
Blades per Cleaner Size									
mm	600	750	900	1050	1200	1350	1500	1800	2100
Blades	3	4	5	6	7	8	9	11	13

Pole Location Chart			
A	X	Y	C
500	229	414	473
525	242	414	479
550	254	414	486
575	267	414	492
600	279	414	499
625	292	414	506
650	304	414	514
675	317	414	521
700	329	414	529
725	342	414	537
750	354	414	545
775	367	414	553
800	379	414	561
825	392	414	570
850	404	414	578
875	417	414	587
900	429	414	596
925	442	414	605
950	454	414	614
975	467	414	624
1000	479	414	633
1025	492	414	643
1050	504	414	652
1075	517	414	662
1100	529	414	672
1125	542	414	682
1150	554	414	692
1175	567	414	702
1200	579	414	712

1. **Find the X, Y & C specifications.** Measure the pulley diameter (including the belt and the lagging) (Fig. 1).

Pulley Diameter _____ mm; X=_____ mm; Y=_____ mm; C=_____ mm.

(Adjustments can be made to the X & Y coordinates to move away from obstacles as long as the C dimension remains constant.)



Section 4 – Installation Instructions

4.1 MHCP S/S Primary Cleaner (cont.)

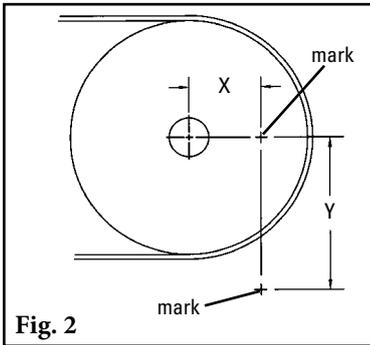


Fig. 2

2. **Lay out the dimensions on the chute wall.** Measure out the X dimension horizontally from the centre of the pulley shaft and mark. (NOTE: It may be easier to put a level on top of the pulley shaft, draw a horizontal line and then measure down half the diameter of the shaft and make a line from the front of the shaft. Now subtract half the pulley shaft diameter from the X coordinate and measure on the line and make a mark.) Then measure down vertically the Y dimension and mark. This is the correct position for the centre of the cleaner pole (Fig. 2). Lay out and mark the same dimensions on the other side.

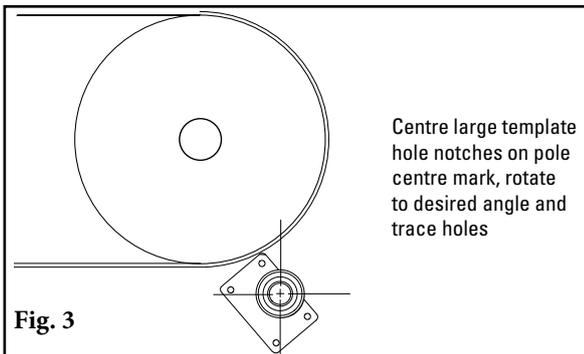


Fig. 3

3. **Mark and cut the mounting base holes.** Using the mounting bracket, position the large pole hole of the bracket on the chute with the hole notches aligned with the layout lines. Trace the pole hole and mounting holes (Fig. 3). Mounting base must be mounted with radius edge towards cutout in chute to allow cartridge sliding.

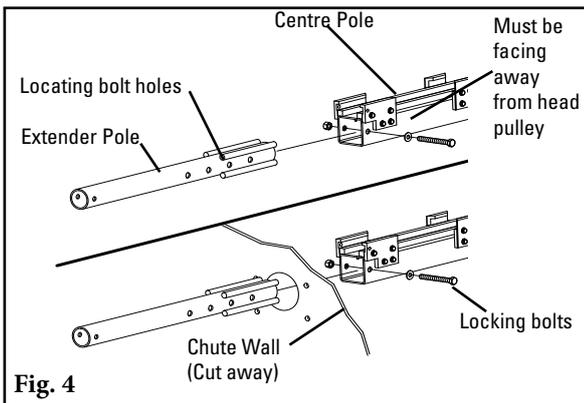


Fig. 4

4. **Assemble the extender poles to the centre pole.** Insert the extender poles through the chute holes and into the centre pole and make sure the locating bolt holes align with the centre pole hole. Bolt the extender poles to the centre pole.

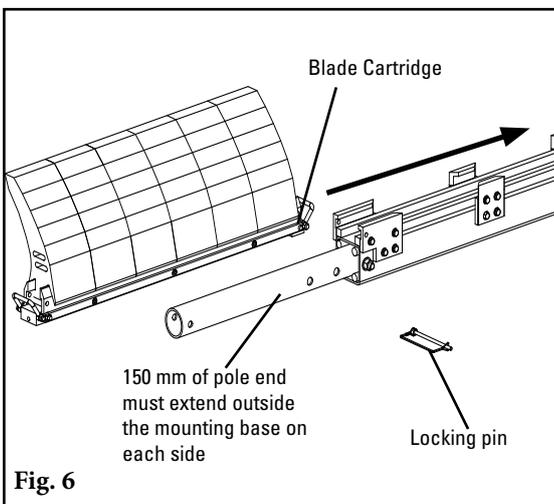


Fig. 6

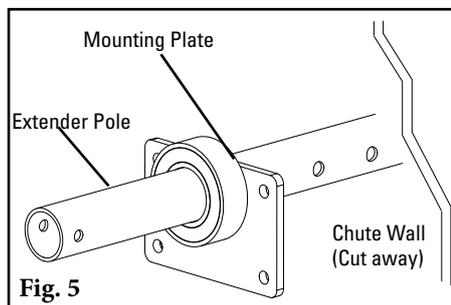


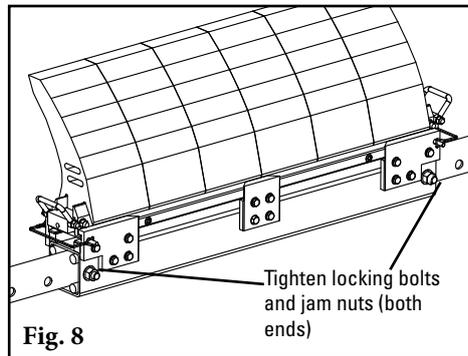
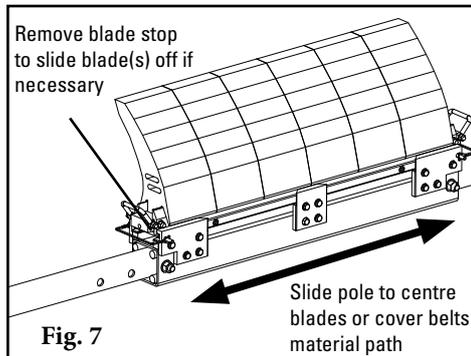
Fig. 5

5. **Install the mounting bases.** Bolt the mounting bases to the chute with the bolts provided (Fig. 5).

6. **Install the blade cartridge.** Slide the blade cartridge into the centre pole. Lock the cartridge into place with the two locking pins (Fig. 6). NOTE: Be sure at least 150 mm of the extender pole extends out of the mounting base on each side for tensioner installation. Adjust the extender poles in the centre pole if more or less length is needed.

Section 4 – Installation Instructions

4.1 MHCP S/S Primary Cleaner (cont.)

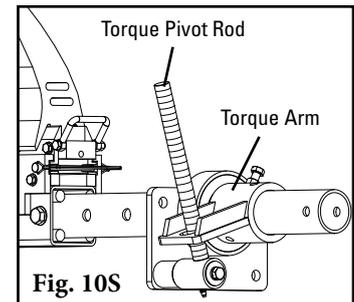
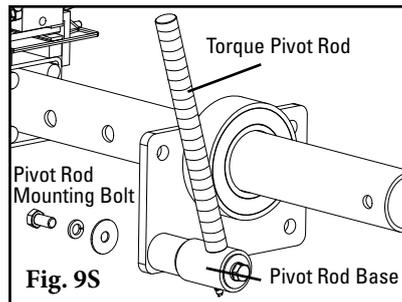


7. **Centre the blades on the belt.** Slide the pole until the blades are centred or cover the belt's material path (Fig. 7). **NOTE:** Standard blade coverage is belt width minus 150 mm. If less blade coverage is required, single blades can be removed from the blade cartridge. The blades do not have to be centred in the cartridge. They should be centred on the belt's material path.

Install the tensioning system. For the PST Spring Tensioner go to step 9S.

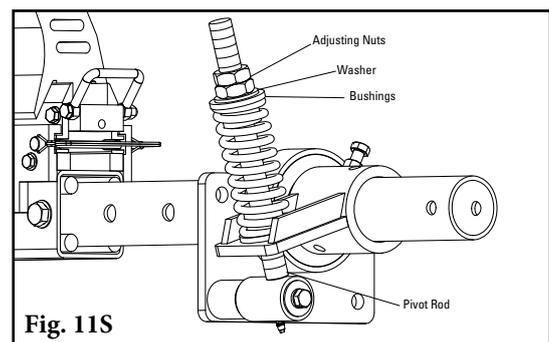
Primary Cleaner Spring Tensioner (PST)

- 9S. **Install the torque pivot rod.** Remove the adjusting nuts and springs from the rods. The pivot rod base can be installed to either of the two lower mounting holes. Determine the rotation desired. Insert the pivot rod mounting bolt through the chute wall and the mounting plate and into the pivot rod base and tighten (Fig. 9S).



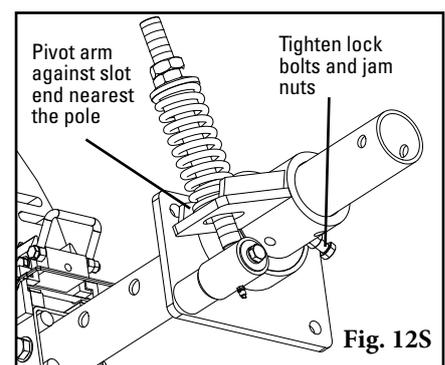
- 10S. **Slide the torque arm onto the pole end.** Again ensuring the correct pulling rotation, put the torque arm onto the pole end and rotate it around until the torque pivot rod slides through the slot (Fig. 10S). Relocate the 3 off lock bolts if required to ensure cartridge can slide out.

- 11S. **Reassemble the spring assembly.** Slide the spring, washer and bushings onto the pivot rod and turn the two adjusting nuts so about 6-8 mm of the rod is exposed above the nuts (Fig. 11S). Complete steps 9S through 11S on the other side.



NOTE: A minimum of 25 mm gap should exist between torque arm and pivot rod base.

- 12S. **Tension the blades to the belt.** Rotate the blades until they contact the belt. While holding the spring bushing flat on the torque arm, rotate the torque arm until the pivot rod is against the end of the slot nearest the pole. Tighten the locking bolts and jam nuts on the torque arm (Fig. 12S). **NOTE:** The torque arm should be up against the mounting base.

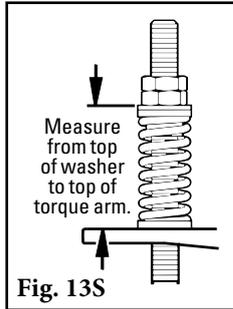


Section 4 – Installation Instructions

4.1 MHCP S/S Primary Cleaner (cont.)

Spring Length Chart with PST Spring Tensioner				
Blade Width		No. Of Blades	White Springs	Silver Springs
in	mm			
24	600	3	142	162
30	750	4	149	159
36	900	5	143	156
42	1050	6	140	156
48	1200	7	133	152
54	1350	8	N/A	149
60	1500	9	N/A	146
66	1650	10	N/A	146
72	1800	11	N/A	143
84	2100	13	N/A	140

Spring tension is based on the number of blades on the cleaner, not the belt width. Shading indicates preferred spring option.



13S. Set the correct blade tension. Refer to the chart for the spring length required for the belt width. Lightly pull the pivot rod toward the end of the torque arm slot nearest the pole and turn the adjusting nuts until the required spring length is achieved (Fig.13S). Complete steps 12S and 13S on the other side. For best results, recheck the spring length on the first side to ensure there has been no movement.

14S. Test run the cleaner. Run the conveyor for at least 15 minutes and inspect cleaning performance. Check the spring lengths for proper tensioning. Make adjustments as necessary.

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 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 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 MHCP S/S Primary 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 the spring length is the correct length for optimal tensioning.
- If the belt looks clean or if there are areas that are dirty.
- If the blade is 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 the 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.

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

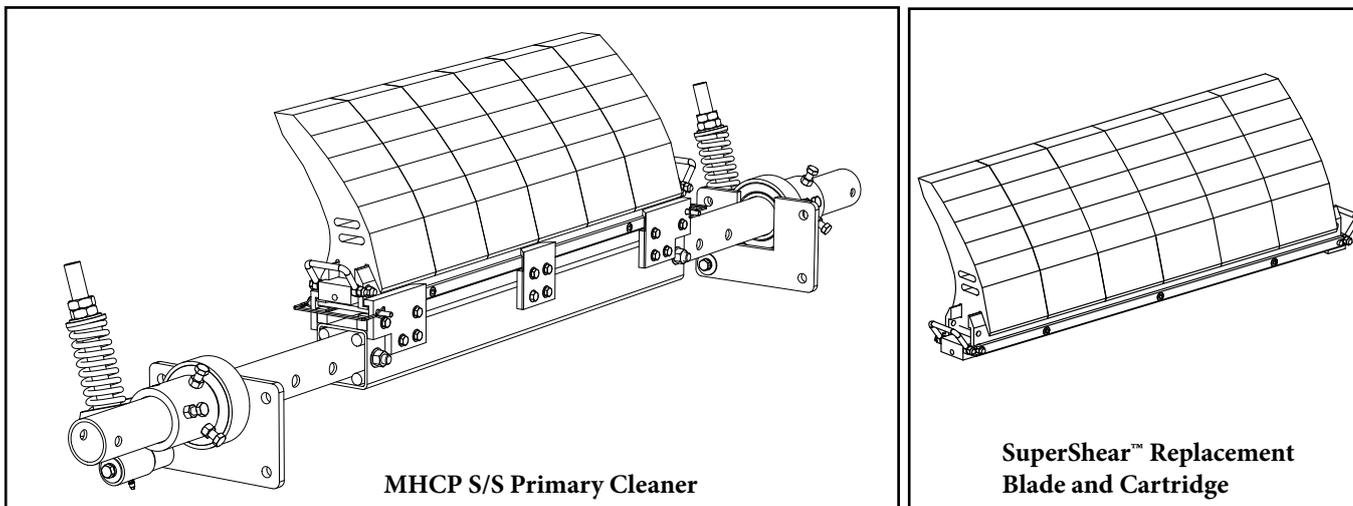
6.3 Routine Physical Inspection (every 6-8 weeks)

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 blade for wear and any damage. Replace if needed.
- Check cartridges for proper installation and condition. 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 11.
- When maintenance tasks are completed, test run the conveyor to ensure the cleaner is performing properly.

Section 6 – Maintenance

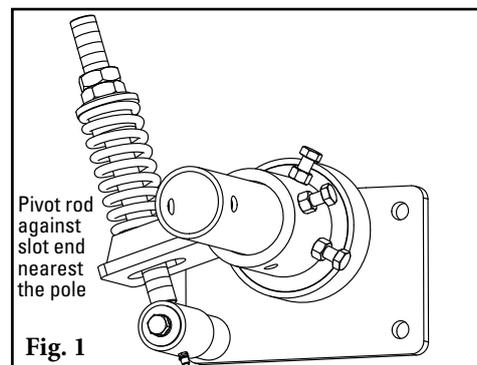
6.4 Blade Replacement Instructions



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

Tools Needed:

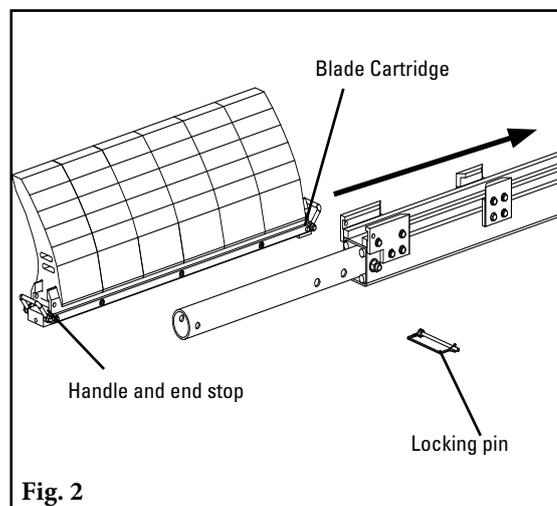
- Tape measure
- (2) 19 mm wrench or crescent wrench
- 17 mm wrench or crescent wrench
- (1) 14 mm wrench or crescent wrench
- Wire brush (for cleaning pole)
- Small putty knife (for cleaning pole)



1. **Remove the tension.** Loosen the adjusting nuts on both sides and turn them out until they are flush with ends of the pivot arm
(Fig. 1) This releases the tension of the blade on the belt.

2. **Remove the worn blade cartridge.** Remove the one locking pin on the end of the cartridge and remove the cartridge from the pole (Fig. 2). Clean all fugitive material from the pole.

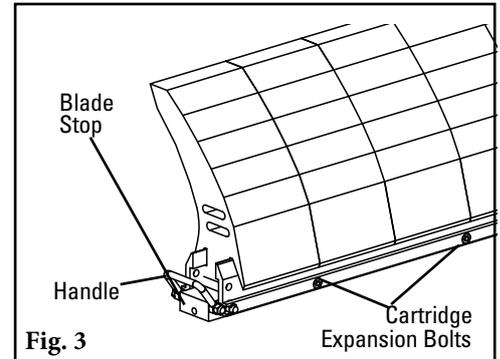
NOTE: If cartridge is hard to remove use a come-along to attach to the cartridge handle to remove.



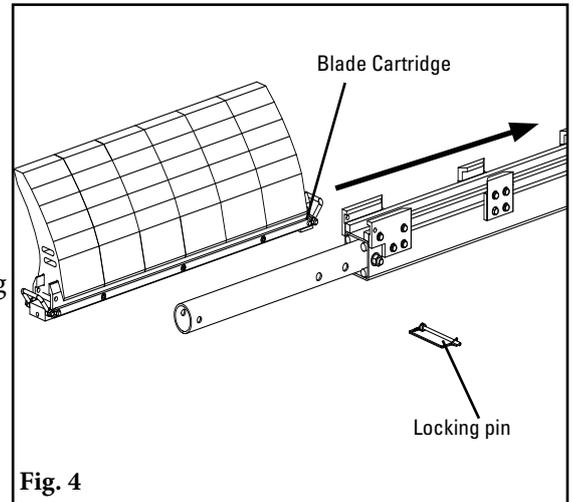
Section 6 – Maintenance

6.4 Blade Replacement Instructions (cont.)

- Change blades on cartridge.** Be sure to install all new blades to ensure even cleaning. To remove blades, unlock and remove blade end stop and loosen cartridge expansion bolts. Clean cartridge before installing new blades. Install new blades then tighten cartridge expansion bolts and reinstall blade end stop handle (Fig. 3).

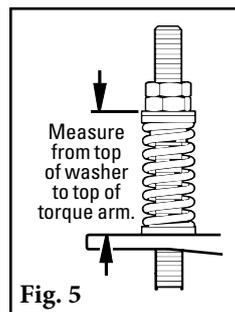


- Install the new cartridge.** Slide the new cartridge onto the pole (Fig. 4). Reinstall locking pin



- Reset the correct blade tension.** Refer to the chart for the spring length required for the belt width. For PST lightly pull the pivot arm toward the end of the torque arm slot nearest the pole and turn the adjusting nuts until the required spring length is achieved (Fig. 5). Tighten jam nut.

Test run the cleaner. Run the conveyor for at least 15 minutes and inspect the cleaning performance. Check the spring length for proper tensioning. Make adjustments as necessary.



Spring Length Chart with PST Spring Tensioner				
Blade Width		No. Of Blades	White Springs	Silver Springs
in	mm			
24	600	3	142	162
30	750	4	149	159
36	900	5	143	156
42	1050	6	140	156
48	1200	7	133	152
54	1350	8	N/A	149
60	1500	9	N/A	146
66	1650	10	N/A	146
72	1800	11	N/A	143
84	2100	13	N/A	140

Spring tension is based on the number of blades on the cleaner, not the belt width. 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 # _____

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

6.6 Cleaner Maintenance Checklist

Site: _____ Inspected by: _____ Date: _____

Belt Cleaner: _____ Serial Number: _____

Beltline Information:

Beltline Number: _____ Belt Condition: _____

Belt Width: 600mm 750mm 900mm 1050mm 1200mm 1350mm 1500mm 1800mm 2100mm

Head Pulley Diameter (Belt & Lagging): _____ Belt Speed: _____ fpm Belt Thickness: _____

Belt Splice _____ Condition of Splice _____ Number of splices _____ Skived Unskived

Material conveyed _____

Days per week run _____ Hours per day run _____

Blade Life:

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

Is blade making complete contact with belt? Yes No

Distance from wear line: LEFT _____ MIDDLE _____ RIGHT _____

Blade condition: Good Grooved Smiled Not contacting belt Damaged

Measurement of spring: Required _____ Currently _____

Was Cleaner Adjusted: Yes No

Pole Condition: Good Bent Worn

Lagging: Slide lag Ceramic Rubber Other None

Condition of lagging: Good Bad Other _____

Cleaner's Overall Performance: (Rate the following 1 - 5, 1 = very poor - 5 = very good)

Appearance: Comments: _____

Location: Comments: _____

Maintenance: Comments: _____

Performance: Comments: _____

Other Comments: _____



Section 7 – Troubleshooting

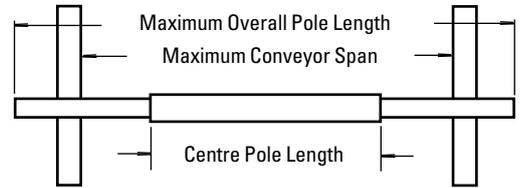
Problem	Possible Cause	Possible Solutions
Poor cleaning performance	Cleaner under-tensioned	Adjust to correct tension – see spring length/PSI chart
	Cleaner over-tensioned	Adjust to correct tension – see spring length/PSI chart
	Cleaner installed in wrong location	Verify "C" dimension, relocate to correct dimension
	Cleaner blade worn or damaged	Replace cleaner blade
Rapid Blade Wear	Tension on cleaner too high/low	Adjust to correct tension – see spring length/PSI chart
	Cleaner not located correctly	Check cleaner location for correct dimensions
	Blade attack angle incorrect	Check cleaner location for correct dimensions
	Material too abrasive for blade	Option: switch to alternate cleaner with metal blades
	Mechanical splice damaging blade	Repair, skive or replace splice
Centre wear on blade (smile effect)	Blade wider than material path	Replace blade with width to match material path
	Tension on cleaner too high/low	Adjust to correct tension – see spring length/PSI chart
Unusual wear or damage to blade	Mechanical splice damaging blade	Repair, skive or replace splice
	Belt damaged or ripped	Repair or replace belt
	Cleaner not correctly located	Verify "C" dimension, relocate to correct dimension
	Damage to pulley or pulley lagging	Repair or replace pulley
Vibration or noise	Cleaner not located correctly	Verify "C" dimension, relocate to correct dimension
	Blade attack angle incorrect	Verify "C" dimension, relocate to correct dimension
	Cleaner running on empty belt	Use a spray pole when the belt is empty
	Cleaner tension too high/low	Adjust to correct tension or slight adjust to diminish
	Cleaner locking bolts not secure	Check and tighten all bolts and nuts
	Cleaner not square to head pulley	Verify "C" dimension, relocate to correct dimension
	Material buildup in chute	Clean up build-up on cleaner and in chute
Cleaner being pushed away from pulley	Cleaner tension not set correctly	Ensure correct tension/increase tension slightly
	Sticky material is overburdening cleaner	Increase tension; replace cleaner with metal tips; replace with larger size cleaner
	Cleaner not set up correctly	Confirm location dimensions are equal on both sides

Section 8 – Specs and CAD Drawings

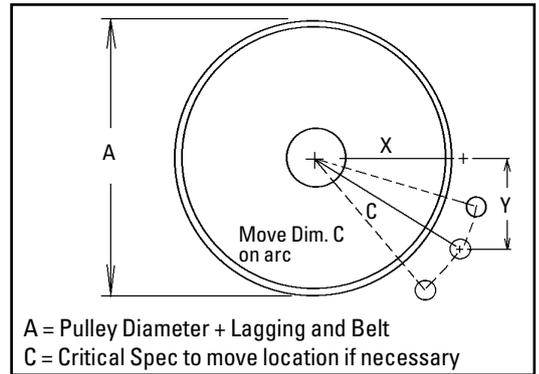
8.1 Specifications & Guidelines

Telescoping Pole Length Specifications							
Cleaner Size		Max Overall Pole Length		Centre Pole Length		Maximum Conveyor Span	
in.	mm	in.	mm	in.	mm	in.	mm
24	600	81	2020	20	511	65	1620
30	750	87	2173	27	663	71	1773
36	900	93	2325	33	815	77	1925
42	1050	99	2477.5	39	968	83	2078
48	1200	105	2630	45	1120	89	2230
54	1350	111	2782.5	51	1273	95	2383
60	1500	117	2935	57	1425	101	2535
66	1650	123	3087	63	1577	107	2687
72	1800	130	3239.5	69	1730	114	2840
84	2100	142	3544.5	81	2035	126	3145

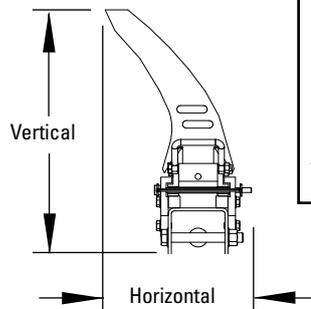
Pole Diameter - 2-7/8" (73mm)



Pole Location Specs

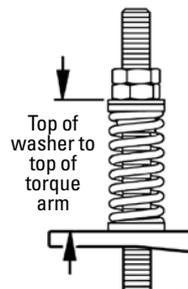


Clearance Guidelines for Installation			
Horizontal Clearance Required		Vertical Clearance Required	
in.	mm	in.	mm
7	175	19	475



Spring Length Chart with PST Spring Tensioner				
Blade Width		No. Of Blades	White Springs	Silver Springs
in	mm			
24	600	3	142	162
30	750	4	149	159
36	900	5	143	156
42	1050	6	140	156
48	1200	7	133	152
54	1350	8	N/A	149
60	1500	9	N/A	146
66	1650	10	N/A	146
72	1800	11	N/A	143
84	2100	13	N/A	140

Spring tension is based on the number of blades on the cleaner, not the belt width. Shading indicates preferred spring option.



Pole Location Chart			
A	X	Y	C
500	229	414	473
525	242	414	479
550	254	414	486
575	267	414	492
600	279	414	499
625	292	414	506
650	304	414	514
675	317	414	521
700	329	414	529
725	342	414	537
750	354	414	545
775	367	414	553
800	379	414	561
825	392	414	570
850	404	414	578
875	417	414	587
900	429	414	596
925	442	414	605
950	454	414	614
975	467	414	624
1000	479	414	633
1025	492	414	643
1050	504	414	652
1075	517	414	662
1100	529	414	672
1125	542	414	682
1150	554	414	692
1175	567	414	702
1200	579	414	712

Specifications:

- Maximum Belt Speed.....6M/sec
- Temperature Rating.....-35°C to 82°C
- Minimum Pulley Diameter500mm
- Blade Height.....350mm
- Usable Blade Wear Length.....200mm
- BladesUrethane (proprietary blend for abrasion resistance and long wear).
- Available for Belt Widths.....600 to 2100mm.
Other sizes available upon request.

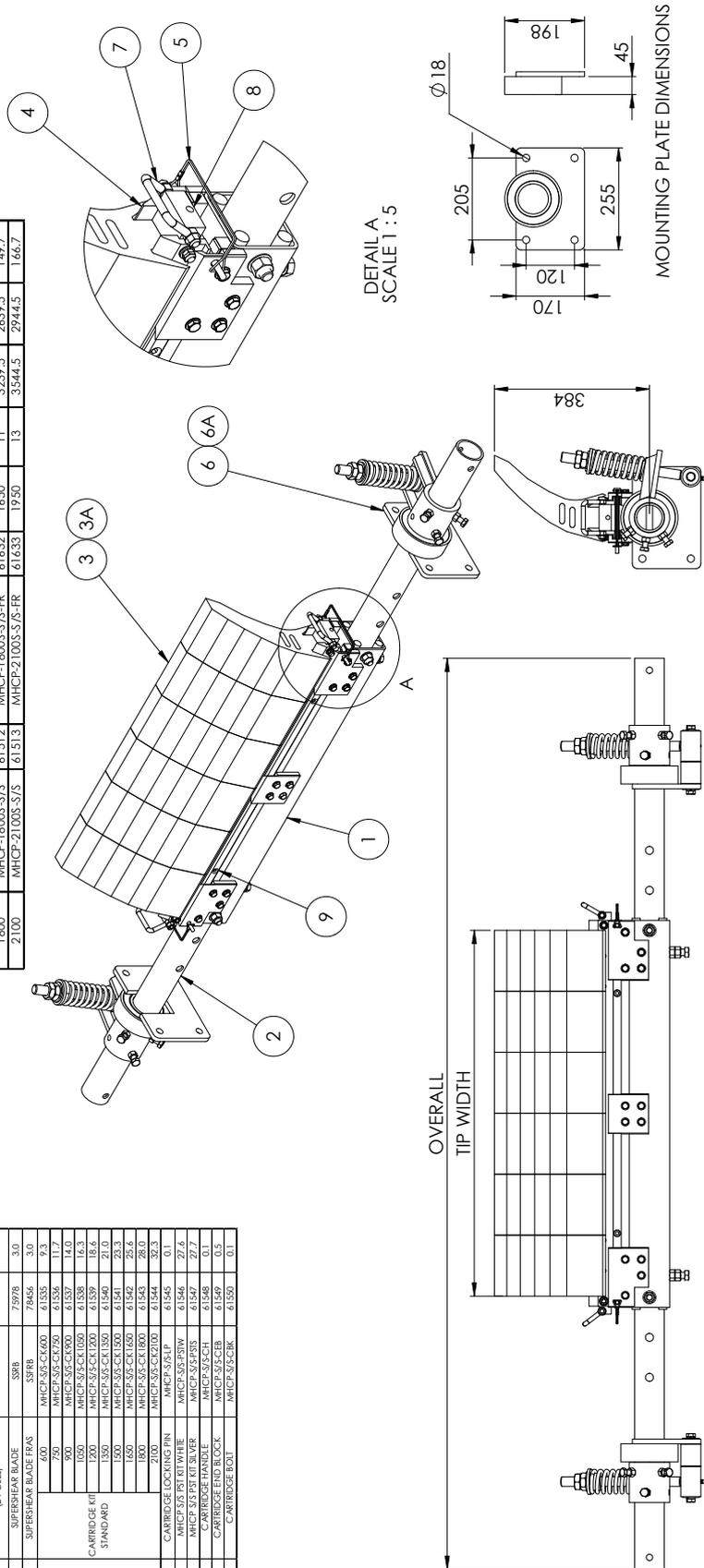


Section 8 – Specs and CAD Drawings

8.2 CAD Drawing - MHCP S/S PST

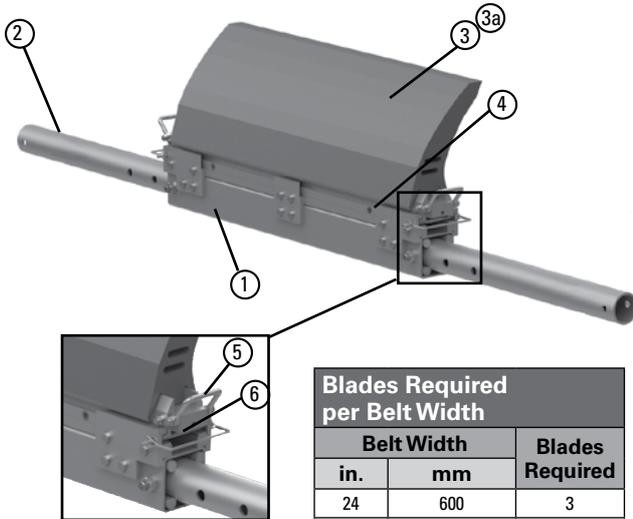
ITEM NO.	DESCRIPTION	ORDER NO.	ITEM CODE	WEIGHT (kg)	
1	CENTRE POLE	600	MHCP-S/S-CP/600	6.1634	
		750	MHCP-S/S-CP/750	6.1526	
		900	MHCP-S/S-CP/900	6.1526	
		1050	MHCP-S/S-CP/1050	6.1527	
		1200	MHCP-S/S-CP/1200	6.1529	
		1350	MHCP-S/S-CP/1350	6.1529	
		1500	MHCP-S/S-CP/1500	6.1530	
		1650	MHCP-S/S-CP/1650	6.1531	
		1800	MHCP-S/S-CP/1800	6.1532	
		2100	MHCP-S/S-CP/2100	6.1533	
		2	MHCP S/S EXENDER POLE KIT (2 POLES)	MHCP-S/S-EP	6.1534
		3	SUPERSEAR BLADE	SSRB	7.9978
3A	SUPERSEAR BLADE FRAS	SSRFB	7.9646		
4	CARRIDGE KIT STANDARD	600	MHCP-S/S-CK/600	6.1535	
		750	MHCP-S/S-CK/750	6.1535	
		900	MHCP-S/S-CK/900	6.1537	
		1050	MHCP-S/S-CK/1050	6.1538	
		1200	MHCP-S/S-CK/1200	6.1539	
		1350	MHCP-S/S-CK/1350	6.1540	
		1500	MHCP-S/S-CK/1500	6.1541	
		1800	MHCP-S/S-CK/1800	6.1543	
5	CARRIDGE LOCKING PIN	MHCP-S/S-LP	6.1544		
6	MHCP S/S PST KIT WHITE	MHCP-S/S-PSW	6.1546		
6A	MHCP S/S PST KIT SILVER	MHCP-S/S-PSIS	6.1547		
7	CARRIDGE HANDLE	MHCP-S/S-CH	6.1548		
8	CARRIDGE PIN	MHCP-S/S-CPIN	6.1549		
9	CARRIDGE ROLL	MHCP-S/S-CR	6.1550		

BELT WIDTH	MHCP S/S		MHCP S/S FRAS		ITEM CODE	TIP WIDTH	NUMBER BLADES	OVERALL		WEIGHT (KG)
	ORDER NO.	ITEM CODE	ORDER NO.	ITEM CODE				MIN	MAX	
600	MHCP-600S-S/S	6.1504	MHCP-600S-S/S-FR	6.1624	450	3	2020	1820	81.0	
750	MHCP-750S-S/S	6.1505	MHCP-750S-S/S-FR	6.1625	600	4	2173	1973	89.4	
900	MHCP-900S-S/S	6.1506	MHCP-900S-S/S-FR	6.1626	750	5	2325	1975	97.8	
1050	MHCP-1050S-S/S	6.1507	MHCP-1050S-S/S-FR	6.1627	900	6	2477.5	1872.5	108.1	
1200	MHCP-1200S-S/S	6.1508	MHCP-1200S-S/S-FR	6.1628	1050	7	2630	2030	116.4	
1350	MHCP-1350S-S/S	6.1509	MHCP-1350S-S/S-FR	6.1629	1200	8	2782.5	2182.5	124.8	
1500	MHCP-1500S-S/S	6.1510	MHCP-1500S-S/S-FR	6.1630	1350	9	2935	2335	133.1	
1650	MHCP-1650S-S/S	6.1511	MHCP-1650S-S/S-FR	6.1631	1500	10	3087.5	2487	141.4	
1800	MHCP-1800S-S/S	6.1512	MHCP-1800S-S/S-FR	6.1632	1650	11	3239.5	2639.5	149.7	
2100	MHCP-2100S-S/S	6.1513	MHCP-2100S-S/S-FR	6.1633	1950	13	3544.5	2944.5	166.7	



Section 9 – Replacement Parts

9.1 Replacement Parts List



Blades Required per Belt Width		
Belt Width		Blades Required
in.	mm	
24	600	3
30	750	4
36	900	5
42	1050	6
48	1200	7
54	1350	8
60	1500	9
66	1650	10
72	1800	11
84	2100	13

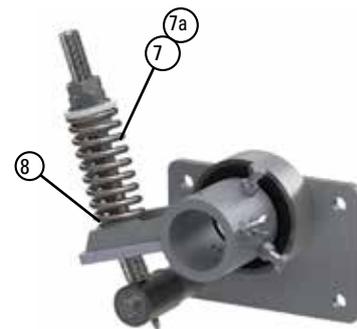
Blades and cartridges can be purchased separately (see chart at right) or preassembled as a Blade Cartridge Kit.

Replacement Parts				
Ref	Description	Ordering Number	Item Code	Wt. Kgs.
1	24" (600mm) Centre Pole *	MHCP-S/S-CP 600	61634	15.9
	30" (750mm) Centre Pole *	MHCP-S/S-CP 750	61525	19.1
	36" (900mm) Centre Pole *	MHCP-S/S-CP 900	61526	22.3
	42" (1050mm) Centre Pole *	MHCP-S/S-CP 1050	61527	27.4
	48" (1200mm) Centre Pole *	MHCP-S/S-CP 1200	61528	30.6
	54" (1350mm) Centre Pole *	MHCP-S/S-CP 1350	61529	33.8
	60" (1500mm) Centre Pole *	MHCP-S/S-CP 1500	61530	3.0
	66" (1650mm) Centre Pole *	MHCP-S/S-CP 1650	61531	40.2
	72" (1800mm) Centre Pole *	MHCP-S/S-CP 1800	61532	43.5
	84" (2100mm) Centre Pole *	MHCP-S/S-CP 2100	61533	49.9
2	MHCP S/S Extender Poles (2 ea.)	MHCP-SS/EP	61534	20.1
3	SuperShear™ Blade	SSRB	75978	3.0
3a	SuperShear™ FRAS Blade	SSFRB	78456	3.0
4	24" (600mm) Cartridge Kits *	MHCP-S/S-CK600	61535	9.3
	30" (750mm) Cartridge Kits *	MHCP-S/S-CK750	61536	11.7
	36" (900mm) Cartridge Kits *	MHCP-S/S-CK900	61537	14.0
	42" (1050mm) Cartridge Kits *	MHCP-S/S-CK1050	61538	16.3
	48" (1200mm) Cartridge Kits *	MHCP-S/S-CK1200	61539	18.6
	54" (1350mm) Cartridge Kits *	MHCP-S/S-CK1350	61540	21.0
	60" (1500mm) Cartridge Kits *	MHCP-S/S-CK1500	61541	23.3
	66" (1650mm) Cartridge Kits *	MHCP-S/S-CK1650	61542	25.6
	72" (1800mm) Cartridge Kits *	MHCP-S/S-CK1800	61543	28.0
	84" (2100mm) Cartridge Kits *	MHCP-S/S-CK2100	61544	32.3
5	MHCP S/S Cartridge Handle *	MHCP-S/S-CH	61548	0.1
6	MHCP S/S Cartridge End Block *	MHCP-S/S-CEB	61549	0.5

*Hardware Included

PST Spring Tensioner Replacement Parts				
Ref	Description	Ordering Number	Item Code	Wt. Kgs.
7	Tension Spring - White (1 ea.) for belts 24" - 48" (600-1200mm)	PSTS-W	75898	0.8
7a	Tension Spring - Silver (1 ea.) for belts 54" - 96" (1350-2400mm)	PSTS-S	75899	1.4
8	Bushing Kit (2 ea.) (for White & Silver Tensioners)	QMTBK-W	76098	0.2
-	PST Spring Tensioner* - White (includes 2 each items 7, 8, 9, 10 & 11) for belts 24" - 48" (600-1200mm)	MHCP-S/S-PSTW	61546	27.6
-	PST Spring Tensioner* - Silver (includes 2 each items 7, 8, 9, 10a & 11) for belts 54" - 96" (1350-2400mm)	MHCP-S/S-PSTS	61547	27.7

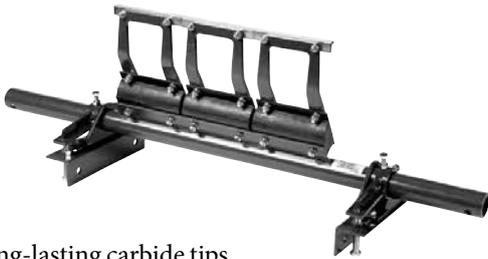
*Hardware Included



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:

HV Primary Cleaner



- Long-lasting carbide tips
- Superior cleaning performance for vulcanized belts
- Simple bolt tensioning method makes maintenance easy

EZ Slider/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

Secondary Cartridge Belt Cleaners



- Easy to remove cartridge makes service simple
- Patented PowerFlex™ cushion offers superior cleaning performance
- Long-lasting carbide blades

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 or seize 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

The Flexco Vision

To become the leader in maximising
belt conveyor productivity for our customers worldwide
through superior service and innovation.

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