V-Plough

Installation, Operation and Maintenance Manual





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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1.1 General Introduction

We at Flexco are very pleased that you have selected the V-Plough for your conveyor system.

This manual will help you to understand the operation of this product and assist you in making it work up to its maximum efficiency over its lifetime of service.

It is essential for safe and efficient operation that the information and guidelines presented be properly understood and implemented. This manual will provide safety precautions, installation instructions, maintenance procedures and troubleshooting tips.

If, however, you have any questions or problems that are not covered, please visit our web site or contact our Customer Service Department.

Visit www.flexco.com for other Flexco locations and products.

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

1.2 User Benefits

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

- Reduced conveyor downtime
- Reduced man-hour labor
- Lower maintenance budget costs
- Increased service life for the plough and other conveyor components

1.3 Service Option

The V-Plough 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 Engineer or your Flexco Distributor.

Before installing and operating the V-Plough, 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

• Cleaning

• Tension adjustments

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

A WARNING

Repairs

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 ploughs. Serious injuries can be avoided.

2.2 Operating Conveyors

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

- Inspection of the cleaning performance
- Dynamic troubleshooting

A DANGER

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

A WARNING

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

A WARNING

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



Section 3 - Pre-installation Checks and Options

3.1 Checklist

- Check that the plough size is correct for the beltline width.
- Check the product 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:
 - Are there obstructions that may require plough location adjustments?
 - Ensure proper clearance is available between top side and return side belts (250 mm (10")).

Section 4 - Installation Instructions

4.1 V-Plough



PHYSICALLY LOCK OUT AND TAG THE CONVEYOR AT THE POWER SOURCE BEFORE YOU BEGIN CLEANER INSTALLATION.

Tools Needed:

- 14 mm (9/16") Wrench
- 13 mm (1/2") Wrench
- 19 mm (3/4") Wrench
- 24 mm (15/16") Wrench OR Large Adjustable/ Crescent Wrenches (x2)
- 1. Measure the distance between the top side and return belts. A minimum of 250 mm (10") is required for installation (Fig. 1). Place the V-Plough on the belt, positioned as specified above, to check for any clearance or obstruction problems.
- 2. Position the mounting brackets in a horizontal or vertical position. The centre of the pole must be 200–350 mm (8–14") above the return belt to insure proper performance (Fig. 2).

NOTE: The main linkage arms must be operated between 10° and 45° (Fig. 2a). This allows the V-Plough to "float" on the belt.

Before Installation:

Ideally the V-Plough should be positioned in a flat area on the inside of the belt close to the tail pulley. For optimum cleaning performance, the nose of the plough should be located about 150 mm (6") behind a return roller (Fig. 1).





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4.1 V-Plough

- **3.** Mark and drill holes for the mounting brackets. Attach with 13 mm (1/2") bolts and nuts provided (Fig. 3). Welding is optional.
- 4. Centre the V-Plough on the belt. Loosen the jam nuts and lock bolts on both stop collars on the pole. Slide the plough in the direction needed to centre it on the belt. Once located, slide stop collars up to main linkage arms and tighten the lock bolts and jam nuts (Fig. 4).

NOTE: Do not push stop collars too tightly against the main linkage assemblies so that it restricts easy movement of the linkage.

5. Attach the adjuster to the centre sleeve. Remove the nut and bolt from the centre sleeve, insert the end of the adjuster between the brackets, and reinstall the nut and bolt (Fig. 5).

NOTE: Tighten only until snug; the adjuster should move freely.

- 6. Position the V-Plough to the belt. While applying downward pressure to the nose of the plough, turn the adjuster so that the nose just begins to lift off the surface of the belt (about 2–5 mm (1/8")). Tighten the adjuster jam nut (Fig. 6).
- 7. Test run and inspect. Run the belt and check that the V-Plough runs smoothly and has an effective cleaning action. If any vibration occurs, turn the adjuster to raise the nose slightly.









5.1 Pre-Op Checklist

- Recheck that all fasteners are tightened properly.
- Apply all supplied labels to the plough.
- 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 performance.
- Make adjustments as necessary.

NOTE: Observing the plough when it is running and performing properly will help to detect problems or when adjustments are needed later.



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

All safety procedures for inspection of equipment (stationary or operating) must be observed. The V-Plough operates near the tail pulley 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 plough 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 plough and belt can determine:

- If the blade has optimal tensioning
- If the belt looks clean or if there are areas that are dirty
- If the blades are worn out and needs to be replaced
- If there is damage to the blade or other belt plough components
- If fugitive material is built up on the plough or in the transfer area
- If there is cover damage to the belt
- If there is vibration or bouncing of the plough on the belt
- Check for build up on the leading return roll

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 belt plough to perform the following tasks:

- Clean material buildup off of the belt plough blade and frame
- Closely inspect the blade for wear and any damage. Replace if needed.
- Ensure full blade to belt frame contact (tip should have slight clearance)
- Inspect the belt plough 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 belt plough is performing properly

6.4 Blade Replacement Instructions

PHYSICALLY LOCK OUT AND TAG THE CONVEYOR AT THE POWER SOURCE BEFORE YOU BEGIN CLEANER INSTALLATION.

Tools Needed:

- 14 mm (9/16") Wrench
- 13 mm (1/2") Wrench
- 19 mm (3/4") Wrench
- 24 mm (15/16") Wrench
- **OR** Large Adjustable/Crescent Wrenches (x2)
- 1. Loosen the adjuster jam nut. After the adjuster jam nut is loose, the adjuster can be turned to provide more clearance for the new blade (Fig 1.)
- 2. Remove the worn blade. Unscrew all bolts securing the worn blade to the main frame. Remove the blade and clean off any remaning material on the plough frame (Fig 2.)
- **3. Install the new blade.** Use the current bolts to secure the new blade to the main frame.
- **4. Position the V-Plough to the belt.** While applying downward pressure to the nose of the plough, turn the adjuster so that the nose just begins to lift off the surface of the belt (about 2–5 mm (1/8")). Tighten the adjuster jam nut (Fig. 3).
- **5. Test run and inspect.** Run the belt and check that the V-Plough runs smoothly and has an effective cleaning action. If any vibration occurs, turn the adjuster to raise the nose slightly.









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 Ouote #:
Activity:		
Date	Work done by:	Service Quote #·
A ctivity	• •••••• ••••• •••• ••••	
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Activity:		
	X 47 1 1 1	
Date:	Work done by:	Service Quote #:
Activity:		
Date:	Work done by:	Service Quote #:
Activity:		

6.6 Plough Maintenance Checklist

Site:				Inspected b	у:			D	ate:		
Plough:						Serial	Number: _				
Beltline Informa Beltline Numbe	ation: r:			Belt Condi	ition:						
Belt 🗆 4 Width: (450mm (18")	□ 600mm (24")	□ 750mm (30")	i □ 900mm (36")	□ 1050mm (42")	□ 1200mi (48")	n □ 1350n (54")	nm 🗆 1500mm (60")	□ 1800mm (72")	□ 2100mm (84")	□ 2400mm (96")
Head Pulley Dia	ameter	(Belt & Lagg	ging):		Belt	Speed:	fpm	Belt Thi	ckness:		
Belt Splice:		Conditio	on of Splic	e:	Number	of Splices:		□ Skived □	l Unskived		
Material convey	yed:										
Days per week	run:		Ηοι	ırs per day ı	run:						
Blade Life:											
Date blade insta	alled:		_ Date bl	ade inspect	ed:	Esti	mated blad	e life:			
ls blade making	compl	ete contact	with belt?		□ Yes	□ No					
Distance from v	vear lir	16:	Left		Mie	ddle		Right			
Blade condition	:	□ Go	bod	□ Grooved	□ Sr	niled	🗆 Not co	ontacting belt	🗆 Dam	aged	
Was Plough Ad	justed:		□ Yes	□ No							
Frame Condition	n:	□G	ood	🗆 Bent	□ Worr	ı					
Lagging:	Ľ	∃ Side Lag		eramic	🗆 Rubbe	r 🗆	Other	□ None			
Condition of lag	ging:	C	⊐Good	🗆 Bad	□ 0t	her					
Cleaner's Overa	all Perf	ormance:		(Rate the fo	llowing 1 - 5,	, 1= very po	oor - 5 = ver	ry good)			
Appearance:		Comments	s:								
Location:		Comments	s:								
Maintenance:		Comments	s:								
Performance:		Comments	s:								
Other comment	s:										



Problem	Possible Cause	Possible Solutions			
Poor cleaning performance	Plough not making proper	Check location of plough to flat return roller			
	contact with belt	Check turnbuckle adjustment and check main linkage arm angles			
Not maintaining proper float	Restriction in movement on linkage arms	Shaft/ stop collars may be too tight			
Missing material on belt	Too much space between belt and blade	Check V-Plough nose for proper clearance between nose and belt. Check adjuster arm angles.			
	Mechanical splice damaging blade	Repair, skive, or replace splice			

8.1 Specs and Guidelines

Belt Width Specifications

	BELT WIDTH (Min-Max)				
SIZE	mm	in.			
Extra Small	450-600	18–24			
Small	750–900	30–36			
Medium	1050-1200	42–48			
Large	1350-1500	54–60			
72"	1800	72			
84"	2100	84			
96"	2400	96			

Use next larger plough size for belt widths between ranges.



Specifications:

- Maximum Belt Speed5 m/s (1000 FPM)
- Temperature Rating-40 to 71°C (-40 to 160°F)
- Belt SpliceMechanically fastened & vulcanized belts
- Belt Direction.....One-Way
- Blade Material.....UHMWPE
- Durometer67-D
- Grease & Chemical Resistance.....Excellent
- Sticky Material Performance.....Excellent



8.2 CAD Drawing



9.1 Replacement Parts List

BEL THE NUMBER TEM NTM STM NTM NTMM NTM NTM NTM	Replacement Parts		POWDER COATED				STAINLESS STEEL			
DESCRIPTION mm in. NUMBER CODE KG NUMBER CODE KG 480-750 18-30 8445.750 73101 2.2 BP450.750-L5.75 A0683 2.7 1200-1400 84-56 BP1200.1600-PL 73111 2.6 BP100.1050-PL.5/S A0681 3.6 1500-160 64-4 BP1500.1600-PL 73121 5.5 BP100.1050-PL.5/S A0687 5.0 1600-160 7.2 BP1800-1100MF 73121 5.5 BP1200.1600MF.5/S MAIN FRAME A0662 9.8 1500-1600 48-56 BP1200.1400MF 73147 16.0 BP150-1600MF.5/S MAIN FRAME A0612 9.8 1500-1600 60-64 BP1500-1600MF 73147 16.0 BP150-1600MF.5/S MAIN FRAME A0612 9.8 1600 072 BP1800-1600MF 7314 16.0 BP150-1600MF.5/S MAIN FRAME A0612 3.6 1700 030 BP150-8 7377 17.8 3.6 BP150-1600MF.5/S MAIN FRAME A065 16.0 <th></th> <th colspan="2" rowspan="2">BELT WIDTH mm in.</th> <th>ORDERING</th> <th>WT.</th> <th></th> <th>ORDERING</th> <th>ITEM</th> <th>WT.</th>		BELT WIDTH mm in.		ORDERING	WT.		ORDERING	ITEM	WT.	
480-750 480-780 32-80 89460-780-FL 7310 32.8 PL Pole 32-48 BP800-1050-FL 7311 32.4 1200-1400 48-56 BP1200-1400-FL 7311 32.6 1300-160 60-64 BP1500-1600-FL 7312 5.7 450-750 18-30 BP450-750H 7312 5.7 1300 18-30 BP1500-1600-FL-S/S A0682 5.7 1300 18-30 BP450-750H 73152 5.7 BP1300-1600-FL-S/S A0682 6.7 1300 18-30 BP450-750H 73147 16.0 BP1300-1600H-S/S MAIN FRAME A0622 6.7 1300 02-4 BP1300-1600H 73147 16.0 BP1300-1600H-S/S MAIN FRAME A0620 16.8 1300 02-4 BP1300-1600H 73147 16.0 BP130-1600H-S/S MAIN FRAME A0620 16.3 1300 160 BP130-1600H 7378 17.3 18.1 BP130-1600H-S/S MAIN FRAME A0663 16.3 16	DESCRIPTION			NUMBER	CODE	KG		NUMBER	CODE	KG
Bit DenoiseBit Denoise73113.23BPB00-169-1-1/S4.0233.231200-140048-56BP1500-1600-FL73113.63BP1200-1400-FL-S/SA0645.5180060-64BP1500-1600-FL73125.5BP1600-160-FL-S/SA0645.5180032-48BP800-1500/F73155.7BP1600-1600-FL-S/SA0645.61200-140048-56BP1200-1600/F73141.50BP1600-1600/F-S/S MAIN FRAMEA0621.61200-140060-64BP1500-1600/F73141.50BP1600-1600/F-S/S MAIN FRAMEA0641.601200-14060-64BP1600-1600/F73141.60BP1600-1600/F-S/S MAIN FRAMEA0641.601200-14060-64BP1600-16073741.61BP1600-1600/F-S/S MAIN FRAMEA0641.61120060BP2000/F73771.63BP160-160/F-S/S MAIN FRAMEA0641.61120060BP1600-873771.63BP160-160/F-S/S MAIN FRAMEA0641.61120060BP160-873771.83BP160-160/F-S/S MAIN FRAMEM.611.61120061BP160-873781.83SS120062BP160-16073781.83SS120064BP160-16073301.53SS120064BP160-6073301.53SS120064HBP160-873301.53S1500<		450-750	18–30	BP450-750-PL	73109	2.8		BP450-750-PL-S/S	A0683	2.7
PLOie 1200-1400 48-56 BP1200-1400-PL 7318 3.6 BP1200-140-PL-S/S Ad62 5.0 1800 72 BP1800-PL 7312 5.0 BP1500-160-PL-S/S Ad67 5.0 800-1050 12-48 BP1800-PL 7312 5.0 BP450-750MF-S/S MAIN FRAME A062 7.8 800-1050 12-48 BP1600-160MF 7314 16.0 BP100-160MF-S/S MAIN FRAME A062 7.8 1200-1400 48-56 BP120-1400MF 7314 16.0 BP100-160MF-S/S MAIN FRAME A062 7.8 1200-1400 60 BP1500-1600MF 7.314 16.0 BP100-160MF-S/S MAIN FRAME A062 7.8 1200 0 0 BP1500-1600MF 7.314 16.0 BP100-1600MF-S/S MAIN FRAME A060 16.0 1200 10 120 BP1500-1600MF 7.317 1.8 BP1600-160MF-S/S MAIN FRAME A154 1.8 1200 750 120 BP1600-B 7.378 1.8 1.2 1.5		800-1050	32–48	BP800-1050-PL	73111	3.2		BP800-1050-PL-S/S	A0613	3.2
Interm Interm Interm Interm 	PL Pole	1200-1400	48–56	BP1200-1400-PL	73118	3.6		BP1200-1400-PL-S/S	A0621	3.6
180072BP1800-PL731255BP1800-PL-S/SA 15459450-75018-30BP480-150MF731539.80BP480-150MF731539.80BP480-150MF731549.801200-140048-65BP120-1400MF7315416.0BP1200-1600MF7315416.0BP1200-1600MF-S/S MAIN FRAMEA06129.81200-140048-65BP120-1600MF7314716.0BP1200-1600MF-S/S MAIN FRAMEA06129.81200-140080BP1200-1600MF7314016.0BP1200-1600MF-S/S MAIN FRAMEA064216.01200-140080BP200BH737416.0BP1200-1600MF-S/S MAIN FRAMEA064216.01200-140080BP200BH737816.0BP1200-1600MF-S/S MAIN FRAMEA064516.01200-140080BP200BH737818.BP1200-1600MF-S/S MAIN FRAMEA054516.01200-140050BP700B737818.BP12018.BP12018.105040BP100B-B737818.15.018.15.018.105040BP160B-B737817.818.15.018.19.018.105040BP160B-B737817.817.817.518.19.019.019.019.0105060BP150B-B737817.817.817.817.518.19.019.019.019.019.0106064HB120B-B		1500-1600	60–64	BP1500-1600-PL	73119	4.6		BP1500-1600-PL-S/S	A0647	5.0
450-750 18-30 BP450-750MF 73152 6.7 800-1650 32-48 BP300-1050MF 73153 9.8 1200-1400 48-66 BP1200-1000MF 73154 12.6 1500-160 60-64 BP1500-1600MF 73144 18.3 1800 72 BP18001600MF 73148 18.3 2000 80 BP2000MF 73148 18.3 900 18.0 BP450-750MF 7317 1.8 900 24 BP500-8 7377 0.9 900 32 BP800-8 7377 1.8 900 32 BP800-8 7377 1.8 900 36 BP100-8 7378 1.8 900 36 BP100-8 7378 1.8 900 60 BP160-8 7378 1.8 900 64 BP100-8 7378 1.8 1100 64 BP160-8 7378 1.8 1100 64<		1800	72	BP1800-PL	73121	5.5		BP1800-PL-S/S	A1547	5.9
B00-105032-48BP800-1050MF73139.80BP800-1050MF-S/S MAIN FRAMEA08129.81200-140060-64BP1500-1600MF731416.0BP1200-1600MF-S/S MAIN FRAMEA062012.61500-16060-64BP1500-1600MF731416.0BP1200-1600MF-S/S MAIN FRAMEA062012.6100080BP2000HF731610.6BP1200-1600MF-S/S MAIN FRAMEA062012.6100080BP200B737610.613.6BP1200-1600MF-S/S MAIN FRAMEA062012.6100060BP200B737610.613.6BP1200-1600MF-S/S MAIN FRAMEA062012.6100060BP200B737610.613.6BP1200-1600MF-S/S MAIN FRAMEA062012.6100060BP50D-B737710.613.613.613.613.6100012.0BP80D-B737813.613.613.613.6100060BP120D-B737813.613.613.6100060BP130D-B737813.613.613.6100060BP150D-B737813.613.613.6100060HBP20D-B733713.613.6101060HBP30D-B733013.613.6101060HBP20D-B733015.6101060HBP20D-B733015.6101060HBP20D-B733015.6101060HBP2		450-750	18–30	BP450-750MF	73152	6.7	. [BP450-750MF-S/S MAIN FRAME	A0682	6.7
Frame 1200-1400 48-56 BP1200-1400MF 73154 12.6 BP1200-1400MF-S/S MAIN FRAME A 0620 12.6 1800 72 BP1800MF 7314 16.0 BP1500-1600MF-S/S MAIN FRAME A 0620 15.0 2000 60 BP1200MF 7318 18.0 BP1500-1600MF-S/S MAIN FRAME A 0620 15.0 2000 80 BP200MF A 1380 15.0 BP1500-1600MF-S/S MAIN FRAME A 0620 15.0 4500 18 BP50-B 74055 0.0 37.0 18.0 600 24 BP50-B 73770 18.0 37.0 18.0 900 36 BP100-B 73780 18.0 12.0 48.0 BP120-B 73780 18.0 1000 44 BP150-B 73781 18.0 37.0 18.0 37.0 18.0 1100 56 BP1400-B 73302 5.2 37.0 18.0 1100 64 HBP100-B 73302 19.0		800-1050	32–48	BP800-1050MF	73153	9.8		BP800-1050MF-S/S MAIN FRAME	A0612	9.8
Praintee 1500-1600 60-64 BP1500-1600MF 73147 16.0 BP1500-1600MF-S/S MAIN FRAME A 0646 16.0 1800 72 BP1800MF 73148 18.3 BP1500-1600MF-S/S MAIN FRAME A 1636 18.3 2000 80 BP200MF 73165 1.09 1 <td< td=""><td>Fromo</td><td>1200-1400</td><td>48–56</td><td>BP1200-1400MF</td><td>73154</td><td>12.6</td><td></td><td>BP1200-1400MF-S/S MAIN FRAME</td><td>A0620</td><td>12.6</td></td<>	Fromo	1200-1400	48–56	BP1200-1400MF	73154	12.6		BP1200-1400MF-S/S MAIN FRAME	A0620	12.6
1800 72 BP1800MF 73148 18.3 2000 80 BP2000MF A1996 19.7 450 18 BP450-B 74055 0.9 600 24 BP600-B 73777 0.9 750 30 BP750-B 7378 1.8 800 32 BP800-B 73777 1.8 900 36 BP900-B 73778 1.8 900 36 BP100-B 7378 1.8 1050 42 BP100-B 7378 1.8 1100 56 BP1400-B 7378 1.8 1100 60 BP160-B 7378 2.3 1500 60 BP160-B 7378 3.2 1500 60 BP160-B 7378 3.2 1600 64 BP160-B 7332 2.7 1600 64 HBP100-B 7332 5.2 900 36 HBP140-B 73302	Frame	1500-1600	60–64	BP1500-1600MF	73147	16.0		BP1500-1600MF-S/S MAIN FRAME	A0646	16.0
2000 80 BP2000MF A1996 19.7 450 18 BP450-B 74055 0.9 600 24 BP600-B 73777 0.9 750 30 BP750-B 73778 1.8 800 32 BP800-B 74057 1.8 900 36 BP900-B 73778 1.8 1050 42 BP1050-B 73780 1.8 1100 56 BP1400-B 73783 2.7 1600 64 BP1600-B 73783 3.2 1600 64 BP1600-B 7378 3.2 1600 62 HBP150-B A0223 5.2 900 36 HBP160-B 73302 9.7 1200 48 HBP160-B 73302 9.7 1200 48 HBP160-B 73304 1.6 1800 7.2 HBP160-B 73306 1.30 1900 36 HBP160-B <td< td=""><td></td><td>1800</td><td>72</td><td>BP1800MF</td><td>73148</td><td>18.3</td><td></td><td>BP1800MF-S/S MAIN FRAME</td><td>A1546</td><td>18.3</td></td<>		1800	72	BP1800MF	73148	18.3		BP1800MF-S/S MAIN FRAME	A1546	18.3
450 18 BP450-B 74055 0.9 600 24 BP600-B 73777 0.9 750 30 BP750-B 73778 1.8 800 32 BP600-B 73779 1.8 900 36 BP900-B 73779 1.8 900 36 BP100-B 7378 1.8 1050 42 BP100-B 7378 1.8 1050 42 BP100-B 7378 2.3 1500 60 BP1500-B 73785 3.2 1600 64 BP1600-B 73785 3.2 900 36 HBP100-B 7384 2.7 1800 72 BP1800-B 73301 8.4 1400 56 HBP100-B 73302 9.7 1500 42 HBP100-B 73303 16.9 1900 72 HBP180-B 73303 16.9 1000 64 HBP100-B 73304 </td <td></td> <td>2000</td> <td>80</td> <td>BP2000MF</td> <td>A1996</td> <td>19.7</td> <td></td> <td></td> <td></td> <td></td>		2000	80	BP2000MF	A1996	19.7				
600 24 BP600-B 7377 0.9 750 30 BP750-B 7378 1.8 900 32 BP800-B 7379 1.8 900 36 BP900-B 73780 1.8 9100 42 BP1050-B 73780 1.8 9100 56 BP1400-B 73781 1.8 1400 56 BP1400-B 73782 2.3 1500 60 PP150-B 73783 2.7 1600 64 BP1600-B 73785 3.2 900 36 HBP900-B 7322 5.2 900 36 HBP900-B 7322 5.2 900 36 HBP90-B 7322 5.2 900 36 HBP160-B 73301 8.4 1400 56 HBP160-B 73302 9.7 1500 60 HBP160-B 73304 11.6 1600 64 HBP160-B 73304 <td></td> <td>450</td> <td>18</td> <td>BP450-B</td> <td>74055</td> <td>0.9</td> <td></td> <td></td> <td></td> <td></td>		450	18	BP450-B	74055	0.9				
750 30 BP750-B 7378 1.8 800 32 BP800-B 74057 1.8 900 36 BP900-B 73779 1.8 1050 42 BP1050-B 73780 1.8 1050 42 BP100-B 73780 1.8 1050 42 BP100-B 73780 1.8 1400 56 BP1400-B 73782 2.3 1500 60 BP1500-B 73783 2.7 1600 64 BP1600-B 73785 3.2 900 36 HBP30-B 73785 3.2 900 36 HBP100-B 73302 5.2 900 36 HBP100-B 73303 16.3 1050 42 HBP100-B 73303 16.3 1050 64 HBP1600-B 73304 11.6 (Pair) 1500 60 HBP1200-B 73304 11.6 1000 HBP2400-B		600	24	BP600-B	73777	0.9				
800 32 B P800-B 74057 1.8 900 36 B P900-B 73779 1.8 900 36 B P900-B 7379 1.8 1050 42 B P1050-B 73780 1.8 1200 48 B P1200-B 73781 1.8 1400 56 B P1600-B 73782 2.3 1500 60 B P1500-B 73783 2.7 1600 64 B P1600-B 73784 2.7 1800 72 B P1800-B 73785 3.2 900 36 H BP100-B 7301 8.4 1050 60 H BP100-B 7301 8.4 10400 56 H BP100-B 7301 8.4 10400 56 H BP100-B 7302 9.7 1500 60 H BP100-B 73030 16.6 1600 64 H BP100-B 7302 17.4 1800 72 H BP140-B<		750	30	BP750-B	73778	1.8				
Polyurethane Blades 110mm (Pair) 900 36 BP90-B 7378 1.8 1050 42 BP1050-B 73780 1.8 1200 48 BP120-B 73781 1.8 1400 56 BP140-B 73782 2.3 1500 60 BP150-B 73783 2.7 1600 64 BP1600-B 73785 3.2 1600 64 BP1600-B 73785 3.2 900 36 HBP100-B 7322 6.3 900 36 HBP100-B 73301 8.4 1050 42 HBP100-B 73302 9.7 1100 60 HBP1600-B 73303 10.6 1100 64 HBP100-B 73304 11.6 1800 72 HBP1800-B 73304 11.6 1800 72 HBP1800-B 73304 11.6 1800 72 HBP1800-B 73304 15.9 2400		800	32	BP800-B	74057	1.8				
Normanne (Pair) 1050 42 BP1050-B 73780 1.8 1200 48 BP1200-B 73781 1.8 1400 56 BP1400-B 73782 2.3 1500 60 BP1500-B 73783 2.7 1600 64 BP1600-B 73784 2.7 1600 64 BP1600-B 73785 3.2 750 30 HBP50-B A0223 5.2 900 36 HBP90-B A0223 5.2 900 36 HBP100-B 73302 9.7 1050 42 HBP1050-B 73302 9.7 1100 56 HBP1400-B 73303 10.6 HD Blades 180mm (Pair) 1600 64 HBP1600-B 73303 11.6 1800 72 HBP1800-B 73303 11.6 10.5 1800 72 HBP1800-B 73308 15.9 2200 86 HBP2200-B 73308 16.9	Polyurethane	900	36	BP900-B	73779	1.8				
(Pair) 1200 48 BP1200-B 73781 1.8 1400 56 BP1400-B 73782 2.3 1500 60 BP1500-B 73783 2.7 1600 64 BP1600-B 73784 2.7 1800 72 BP1800-B 73785 3.2 900 36 HBP750-B A0223 5.2 900 36 HBP100-B 73301 8.4 1050 42 HBP100-B 73302 9.7 1200 48 HBP1600-B 73302 9.7 1500 60 HBP160-B 73302 9.7 1500 60 HBP160-B 73302 9.7 1500 60 HBP160-B 73302 9.7 1600 64 HBP160-B 73302 9.7 1500 80 HBP200-B 73302 1.6 1600 64 HBP160-B 73304 11.6 1800 72	Blades 110mm	1050	42	BP1050-B	73780	1.8				
1400 56 BP1400-B 73782 2.3 1500 60 BP1500-B 73783 2.7 1600 64 BP1600-B 73784 2.7 1800 72 BP1800-B 73785 3.2 900 36 HBP750-B A0223 5.2 900 36 HBP100-B 73301 8.4 1050 42 HBP100-B 73302 9.7 1200 48 HBP100-B 73303 10.6 1400 56 HBP100-B 73303 10.6 1500 60 HBP160-B 73303 10.6 1600 64 HBP160-B 73303 10.6 1800 72 HBP1800-B 73303 10.6 1800 72 HBP160-B 73303 10.6 199 2000 80 HBP200-B 73304 11.6 2000 80 HBP200-B 73309 16.9 2400 96 HBP30-P	(Pair)	1200	48	BP1200-B	73781	1.8				
1500 60 BP1500-B 73783 2.7 1600 64 BP1600-B 73784 2.7 1800 72 BP1800-B 73785 3.2 1800 72 BP1800-B 73785 3.2 900 36 HBP750-B A0223 5.2 900 36 HBP900-B A0224 6.3 1050 42 HBP1050-B A2237 7.2 1200 48 HBP1200-B 73302 9.7 1500 60 HBP160-B 73303 10.6 1600 64 HBP160-B 73304 11.6 1800 72 HBP180-B 73305 13.0 2000 80 HBP200-B 73301 14.5 2200 86 HBP200-B 73301 15.9 2400 96 HBP200-B 73305 15.9 2500 100 HBP250-B 7311 17.8 Mounting Bracket Sp-MB		1400	56	BP1400-B	73782	2.3				
1600 64 BP1600-B 73784 2.7 1800 72 BP1800-B 73785 3.2 1800 72 BP1800-B 73785 3.2 900 36 HBP750-B A0223 5.2 900 36 HBP100-B A2237 7.2 1200 48 HBP100-B 73301 8.4 1400 56 HBP1400-B 73302 9.7 1500 60 HBP1500-B 73303 10.6 1600 64 HBP1600-B 73303 10.6 1800 72 HBP1800-B 73304 11.6 1800 72 HBP1800-B 73307 14.5 2200 86 HBP200-B 73308 15.9 2400 96 HBP200-B 73311 17.8 Mounting Bracket 2500 100 HBP2500-B 7311 17.8 Mounting Bracket SbP-MB 73123 0.5 BP-MB-S/S A0615		1500	60	BP1500-B	73783	2.7				
1800 72 BP1800-B 73785 3.2 750 30 HBP750-B A0223 5.2 900 36 HBP900-B A0224 6.3 1050 42 HBP1050-B A2237 7.2 1050 42 HBP100-B 73301 8.4 1400 56 HBP100-B 73302 9.7 1500 60 HBP160-B 73303 10.6 1600 64 HBP160-B 73304 11.6 1800 72 HBP1800-B 73304 11.6 1800 72 HBP180-B 73304 11.6 1800 72 HBP180-B 73304 11.6 1800 72 HBP180-B 73304 11.6 2000 80 HBP200-B 73304 15.9 2100 96 HBP240-B 73309 16.9 2200 86 HBP240-B 7311 17.8 Mounting Bracket BP-MB		1600	64	BP1600-B	73784	2.7				
Polyurethane HD Blades 180mm (Pair) 750 30 HBP750-B A0223 5.2 900 36 HBP900-B A0224 6.3 1050 42 HBP1050-B A2237 7.2 1200 48 HBP1200-B 73301 8.4 1400 56 HBP1400-B 73302 9.7 1500 60 HBP1500-B 73303 10.6 1600 64 HBP1600-B 73304 11.6 1800 72 HBP1800-B 73306 13.0 2000 80 HBP200-B 73307 14.5 2200 86 HBP200-B 73309 16.9 2400 96 HBP200-B 73309 16.9 2500 100 HBP2500-B 7311 17.8 Mounting Bracket BP-MB 73123 0.5 Shaft Collar BP-SC 73125 0.5 Linkage Arm BP-LA 73127 0.9 Turnbuckle Linkage <td< td=""><td></td><td>1800</td><td>72</td><td>BP1800-B</td><td>73785</td><td>3.2</td><td></td><td></td><td></td><td></td></td<>		1800	72	BP1800-B	73785	3.2				
900 36 HBP900-B A0224 6.3 1050 42 HBP1050-B A2237 7.2 1200 48 HBP1200-B 73301 8.4 1400 56 HBP1400-B 73302 9.7 1500 60 HBP1500-B 73303 10.6 1600 64 HBP1600-B 73304 11.6 1800 72 HBP1800-B 73306 13.0 2000 80 HBP200-B 73307 14.5 2200 86 HBP200-B 73308 15.9 2400 96 HBP200-B 73307 14.5 2200 86 HBP200-B 73308 15.9 2400 96 HBP200-B 73311 17.8 Mounting Bracket BP-MB 73123 0.5 Shaft Collar BP-SC 73125 0.5 Linkage Arm BP-IA 73127 0.9 Turnbuckle Linkage BP-TL 73141 0.5 </td <td></td> <td>750</td> <td>30</td> <td>HBP750-B</td> <td>A0223</td> <td>5.2</td> <td></td> <td></td> <td></td> <td></td>		750	30	HBP750-B	A0223	5.2				
Polyurethane HD Blades 180mm (Pair) 1050 42 HBP100-B 7301 8.4 1400 56 HBP1400-B 7302 9.7 1500 60 HBP1500-B 73303 10.6 1600 64 HBP1600-B 73304 11.6 1800 72 HBP1800-B 73306 13.0 2000 80 HBP200-B 73307 14.5 2200 86 HBP200-B 73308 15.9 2400 96 HBP200-B 73301 17.8 Mounting Bracket BP-MB 73123 0.5 BP-MB-S/S A0615 0.5 Shaft Collar BP-LA 73127 0.9 BP-LA-S/S A0616 0.5 Linkage Arm BP-TL 73141 0.5 BP-TL-S/S A0617 0.5 Standard Turnbuckle Linkage BP-TL 73141 0.5 BP-TB 73138 0.5 Standard U-Bolt Standard U-Bolt Standard U-Bolt Standard U-Bolt Standard U-Bolt		900	36	HBP900-B	A0224	6.3				
Polyurethane HD Blades 180mm (Pair) 1200 48 HBP1200-B 73301 8.4 1400 56 HBP1400-B 73302 9.7 1500 60 HBP1500-B 73303 10.6 1600 64 HBP1600-B 73304 11.6 1800 72 HBP1800-B 73306 13.0 2000 80 HBP200-B 73307 14.5 2200 86 HBP200-B 73309 16.9 2400 96 HBP200-B 73311 17.8 Mounting Bracket BP-MB 73123 0.5 BP-MB-S/S A0615 0.5 Shaft Collar BP-LA 73127 0.9 BP-LA-S/S A0616 0.5 Linkage Arm BP-TL 73141 0.5 BP-TL-S/S A0617 0.5 Standard Turnbuckle Linkage BP-TL 73141 0.5 BP-TB 73138 0.5 Standard U-Bolt Standard U-Bolt Standard U-Bolt Standard U-Bolt Standard U-Bolt </td <td></td> <td>1050</td> <td>42</td> <td>HBP1050-B</td> <td>A2237</td> <td>7.2</td> <td></td> <td></td> <td></td> <td></td>		1050	42	HBP1050-B	A2237	7.2				
Polyurethane HD Blades 180mm (Pair) 1400 56 HBP1400-B 7302 9.7 1500 60 HBP1500-B 7303 10.6 1600 64 HBP1600-B 7303 11.6 1800 72 HBP1800-B 7306 13.0 2000 80 HBP200-B 7307 14.5 2200 86 HBP200-B 73308 15.9 2400 96 HBP200-B 73309 16.9 2500 100 HBP250-B 7311 17.8 Mounting Bracket BP-MB 73123 0.5 BP-MB-S/S A0615 0.5 Shaft Collar BP-LA 73127 0.9 BP-LA-S/S A0616 0.5 Linkage Arm BP-TL 73141 0.5 BP-TL-S/S A0617 0.5 Standard Turnbuckle Linkage BP-TL 73141 0.5 BP-TB 73138 0.5 Standard U-Bolt Standard U-Bolt Standard U-Bolt Standard U-Bolt Standard U-Bolt		1200	48	HBP1200-B	73301	8.4				
Polyurethane HD Blades 180mm (Pair) 1500 600 HBP1500-B 73303 10.6 1600 64 HBP1600-B 7304 11.6 1800 72 HBP1800-B 7306 13.0 2000 80 HBP200-B 7307 14.5 2200 86 HBP200-B 73308 15.9 2400 96 HBP200-B 73309 16.9 2500 100 HBP2500-B 7311 17.8 Mounting Bracket BP-MB 73123 0.5 BP-MB-S/S A0615 0.5 Shaft Collar BP-SC 73125 0.5 BP-SC-S/S A0616 0.5 Linkage Arm BP-LA 73127 0.9 BP-LA-S/S A0616 0.5 Standard Turnbuckle Linkage BP-TL 73141 0.5 BP-TL-S/S A0617 0.5 Standard U-Bolt Standard U-Bol		1400	56	HBP1400-B	73302	9.7				
HD Blades 180mm (Pair) 1600 64 HBP1600-B 73304 11.6 1800 72 HBP1800-B 73306 13.0 2000 80 HBP2000-B 73307 14.5 2200 86 HBP2000-B 73308 15.9 2400 96 HBP200-B 73309 16.9 2500 100 HBP2500-B 7311 17.8 Mounting Bracket BP-MB 73123 0.5 BP-MB-S/S A0615 0.5 Shaft Collar BP-SC 73125 0.5 BP-SC-S/S A0616 0.5 Linkage Arm BP-LA 73127 0.9 BP-LA-S/S A0616 0.5 Standard Turnbuckle Linkage BP-TL 73141 0.5 BP-TB 73138 0.5 Standard U-Bolt BP-tU BP-TU BP-UB 73139 0.5	Polyurethane	1500	60	HBP1500-B	73303	10.6				
1800 72 HBP1800-B 73306 13.0 2000 80 HBP2000-B 73307 14.5 2200 86 HBP200-B 73308 15.9 2400 96 HBP200-B 73309 16.9 2500 100 HBP250-B 73311 17.8 Mounting Bracket BP-MB 73123 0.5 BP-MB-S/S A0615 0.5 Shaft Collar BP-SC 73125 0.5 BP-SC-S/S A0616 0.5 Linkage Arm BP-LA 73127 0.9 BP-LA-S/S A0614 0.9 Turnbuckle Linkage BP-TL 73141 0.5 BP-TL-S/S A0617 0.5 Standard Turnbuckle BP-TB 73138 0.5 5 Standard U-Bolt BP-TB 73139 0.5	HD Blades 180mm (Pair)	1600	64	HBP1600-B	73304	11.6				
2000 80 HBP200-B 73307 14.5 2200 86 HBP2200-B 73308 15.9 2400 96 HBP2400-B 73309 16.9 2500 100 HBP2500-B 73311 17.8 Mounting Bracket BP-MB 73123 0.5 BP-MB-S/S A0615 0.5 Shaft Collar BP-SC 73125 0.5 BP-SC-S/S A0616 0.5 Linkage Arm BP-LA 73127 0.9 BP-LA-S/S A0614 0.9 Turnbuckle Linkage BP-TL 73141 0.5 BP-TL-S/S A0617 0.5 Standard Turnbuckle BP-TL 5141 0.5 BP-TB 73138 0.5	(i un)	1800	72	HBP1800-B	73306	13.0				
2200 86 HBP2200-B 73308 15.9 2400 96 HBP2400-B 73309 16.9 2500 100 HBP2500-B 73311 17.8 Mounting Bracket BP-MB 73123 0.5 BP-MB-S/S A0615 0.5 Shaft Collar BP-SC 73125 0.5 BP-SC-S/S A0616 0.5 Linkage Arm BP-LA 73127 0.9 BP-LA-S/S A0614 0.9 Turnbuckle Linkage BP-TL 73141 0.5 BP-TL-S/S A0617 0.5 Standard Turnbuckle BP-TL 5141 0.5 BP-TB 73138 0.5 Standard U-Bolt BP-TL Standard U-Bolt BP-TB 73139 0.5		2000	80	HBP2000-B	73307	14.5				
2400 96 HBP2400-B 73309 16.9 2500 100 HBP2500-B 7311 17.8 Mounting Bracket BP-MB 73123 0.5 BP-MB-S/S A0615 0.5 Shaft Collar BP-SC 73125 0.5 BP-SC-S/S A0616 0.5 Linkage Arm BP-LA 73127 0.9 BP-LA-S/S A0614 0.9 Turnbuckle Linkage BP-TL 73141 0.5 BP-TL-S/S A0617 0.5 Standard Turnbuckle BP-TL 5141 0.5 BP-TB 73138 0.5 Standard U-Bolt BP-TL BP-TL BP-UB 73139 0.5		2200	86	HBP2200-B	73308	15.9				
2500 100 HBP2500-B 73311 17.8 Mounting Bracket BP-MB 73123 0.5 BP-MB-S/S A0615 0.5 Shaft Collar BP-SC 73125 0.5 BP-SC-S/S A0616 0.5 Linkage Arm BP-LA 73127 0.9 BP-LA-S/S A0614 0.9 Turnbuckle Linkage BP-TL 73141 0.5 BP-TL-S/S A0617 0.5 Standard Turnbuckle BP-TL 5141 0.5 BP-TB 73138 0.5 Standard U-Bolt BP-TL BP-TL BP-UB 73139 0.5		2400	96	HBP2400-B	73309	16.9				
Mounting Bracket BP-MB 73123 0.5 BP-MB-S/S A0615 0.5 Shaft Collar BP-SC 73125 0.5 BP-SC-S/S A0616 0.5 Linkage Arm BP-LA 73127 0.9 BP-LA-S/S A0614 0.9 Turnbuckle Linkage BP-TL 73141 0.5 BP-TL-S/S A0617 0.5 Standard Turnbuckle BP-TB 73138 0.5 BP-UB 73139 0.5		2500	100	HBP2500-B	73311	17.8				
Shaft Collar BP-SC 73125 0.5 BP-SC-S/S A0616 0.5 Linkage Arm BP-LA 73127 0.9 BP-LA-S/S A0614 0.9 Turnbuckle Linkage BP-TL 73141 0.5 BP-TL-S/S A0617 0.5 Standard Turnbuckle BP-TB 73138 0.5 Standard U-Bolt BP-UB 73139 0.5	Mounting Bracket		BP-MB	73123	0.5		BP-MB-S/S	A0615	0.5	
Linkage Arm BP-LA 73127 0.9 BP-LA-S/S A0614 0.9 Turnbuckle Linkage BP-TL 73141 0.5 BP-TL-S/S A0617 0.5 Standard Turnbuckle BP-TB 73138 0.5 Standard U-Bolt BP-UB 73139 0.5	Shaft Collar			BP-SC	73125	0.5		BP-SC-S/S	A0616	0.5
Turnbuckle Linkage BP-TL 73141 0.5 BP-TL-S/S A0617 0.5 Standard Turnbuckle BP-TB 73138 0.5 Standard U-Bolt BP-UB 73139 0.5	Linkage Arm			BP-LA	73127	0.9		BP-LA-S/S	A0614	0.9
Standard Turnbuckle BP-TB 73138 0.5 Standard U-Bolt BP-UB 73139 0.5	Turnbuckle Linkage			BP-TL	73141	0.5		BP-TL-S/S	A0617	0.5
Standard U-Bolt BP-UB 73139 0.5	Standard Turnbuckle						BP-TB	73138	0.5	
	Standard U-Bolt							BP-UB	73139	0.5

Lead time: 3 weeks





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 250 mm (10") 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

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

MHS Secondary Cleaner with Service Advantage Cartridge



- An easy slide-out cartridge for service
- Cartridge design to speed up blade-change maintenance
- Patented PowerFlex[™] Cushions for superior cleaning
- performance with Flexco mechanical splices

DRX Impact Beds



- Exclusive Velocity Reduction Technology[™] in order 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

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



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