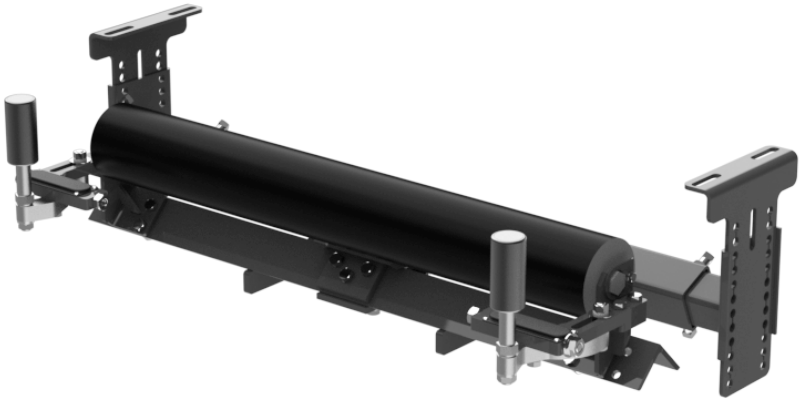
PT Smart™ Belt Trainer

Installation, Operation and Maintenance Manual



FLEXCO

Serial Number: _____

Purchase Date:_____

Purchased From: _____

Installation Date:_____

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

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

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Section 1 - Important Information

1.1 General Introduction

We at Flexco are very pleased that you have selected a PT Smart™ Belt Trainer for your conveyor system.

This manual will help you to understand the installation, operation and maintenance 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. In addition, please follow all standard, approved safety guidelines when working on your conveyor.

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 impact bed. While we have tried to make the installation and service tasks as easy and simple as possible, **this product does however require correct installation and regular inspection and maintenance to maintain top working condition.**

1.2 User Benefits

Belt mistracking is a common problem that produces various problems, ranging from belt and structure damage to product spillage and safety issues. By utilizing the PT Smart™, it is possible to correct a belt that is mistracking and causing these problems. Multiple units may be required depending on the length of the mistracking belt.

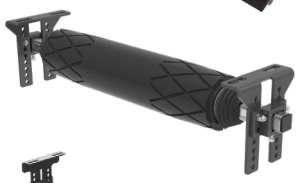
Section 1 - Important Information

1.3 Proper Belt Trainer Selection

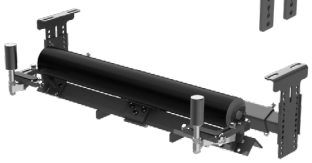
MODEL	APPLICATION RANGE
Belt Positioner™	Return side only, 800PIW (140n/mm) max tension on Small, Medium and Large; 1200PIW (210n/mm) max tension on Extra Large. Also works on reversing belts.
PTEZ™	Medium-duty belts up to 1600PIW (280n/mm) max tension. Also works on reversing belts.
HD PTEZ™	Medium-duty belts up to 2400PIW (420n/mm) max tension. Belt width + 9" (225mm) idler. Belt thickness 1" (25mm) maximum. Also works on reversing belts.
PT Smart™	Medium-duty belts up to 1600PIW (280n/mm) max tension. Belt width + 3" (75mm) idler. Belt thickness 1" (25mm) maximum.
PT Smart™ Underground	Medium-duty belts up to 1600PIW (280n/mm) max tension. Belt width + 9" (225mm) idler. Belt thickness 1" (25mm) maximum. Fits underground structure.
PT Max™ Adjustable	Heavy-duty belts up to 3000PIW (525n/mm) max (generally over 3/4" (19mm) thick). Belt width 36–60" (900–1500mm)
HD PT Max™ Adjustable	Heavy-duty belts up to 6000PIW (1050n/mm) max tension. Belt width 54–84" (1350–2100mm)

Belt Positioner™

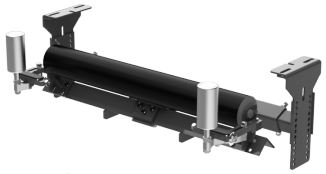
PTEZ™



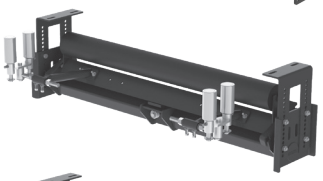
PT Smart™ Standard



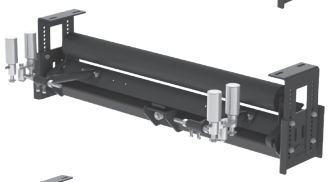
PT Smart™ Underground Structure



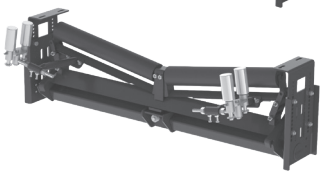
PT Max™ Adjustable Top Side



PT Max™ Adjustable Return Side



PT Max™ Adjustable V-Return



Conveyor Criteria	Belt Positioner™	PTEZ™	PT Smart™	PT Max™	PT Max™ Heavy Duty	PT Max™ Super Duty
Top side mistracking	No	No	No	Yes	Yes	Yes
Return side mistracking	Yes	Yes	Yes	Yes	Yes	Yes
Reversing belts	Yes	Yes	No	No	No	No
Belt mistracking to one side	Better	Better	Better	Better	Better	Better
Belt mistracking to both sides	Acceptable	Better	**Best**	**Best**	**Best**	**Best**
Inconsistent tracking problem	Good	Better	**Best**	**Best**	**Best**	**Best**
Belt is cupped (heavy)	**Best** ‡	Better ‡	Better	Better	Better	Better
Belt has edge damage	**Best**	**Best**	Good	Good	Good	Good
Ease of installation	**Best**	Better	Good	Good	Good	Good
Belt has low running tension	Good	Good	Good	Good	N/A	N/A
Belt has medium running tension	Better	Better	Better	**Best**	**Best**	**Best**
Belt has high running tension	N/A	N/A	N/A	Better	**Best**	**Best**
Approx. "upstream" effect*Δ	50' (15M)	20' (6M)	20' (6M)	50' (15M)	50' (15M)	50' (15M)
Approx. "downstream" effect*Δ	50' (15M)	100–120' (30–36M)	120–150' (36–45M)	150–200' (45–61M)	150–200' (45–61M)	150–200' (45–61M)

‡ Installed on the clean side of the return belt
* Typical results; actual results may vary
Δ Disc idlers have the potential to reduce these numbers

Section 2 - Safety Considerations and Precautions

Before installing and operating the PT Smart™ Belt Trainer, it is important to review and understand the following safety information.

There are setup, 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
- Service
- Roller replacement
- Cleaning
- Repairs

⚠ DANGER

It is imperative that OSHA/MSHA Lockout/Tagout (LOTO) regulations, 29 CFR 1910.147, be followed before undertaking the preceding activities. Failure to use LOTO exposes workers to uncontrolled behavior of the belt trainer caused by movement of the conveyor belt or belt trainer. Severe injury or death can result.

Before working:

- Lockout/Tagout the conveyor power source
- Clear the conveyor area where work is to take place

⚠ WARNING

Use Personal Protective Equipment (PPE):

- Safety eyewear
- Hardhats
- Safety footwear

Close quarters 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 components. 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 belt trainer performance
- Dynamic troubleshooting

⚠ DANGER

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

⚠ WARNING

Never adjust anything on an operating belt trainer. Flailing hardware can cause serious injury or death.

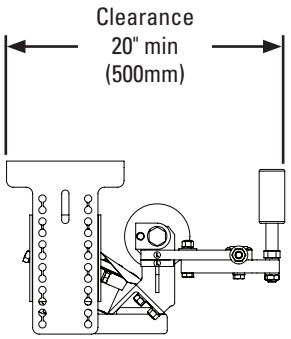
⚠ WARNING

Conveyors contain moving hazards. Stay as far from the trainer as practical and use safety eyewear and headgear.

Section 3 - Pre-installation Checks and Options

3.1 Checklist

- Check the model and size of the belt trainer. Is it the right one for your beltline?
- Check the PT Smart™ to be sure all the parts are included in the shipment.
- Find the Information Packet in the shipment.
- Review the "Tools Needed" section on the top of the installation instructions.
- Prepare the conveyor site:
  - Identify the point(s) of mistracking, expecting 120–150' (36–45M) of downstream influence.
  - Position the unit 20' (6M) after the start of the mistracking.
  - Identify an opening of at least 20" (500mm) if possible to avoid interference with sensor rollers during installation.
  - Remove old tracking devices.
  - If the conveyor has disc idlers, replace one idler before and one idler after the location where the trainer will be installed with a standard idler.

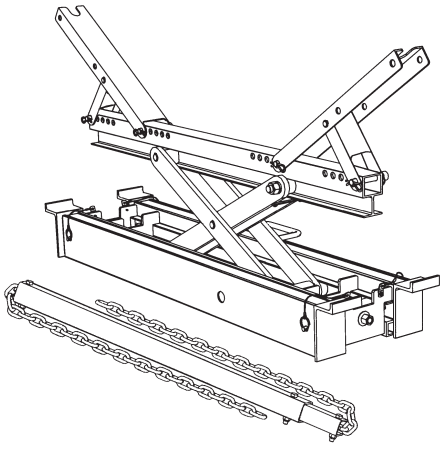


3.2 Optional Installation Accessories

Optional tools can make the installation of the PTEZ™ Belt Trainer easier and faster.

Flex-Lifter™ Conveyor Belt Lifter

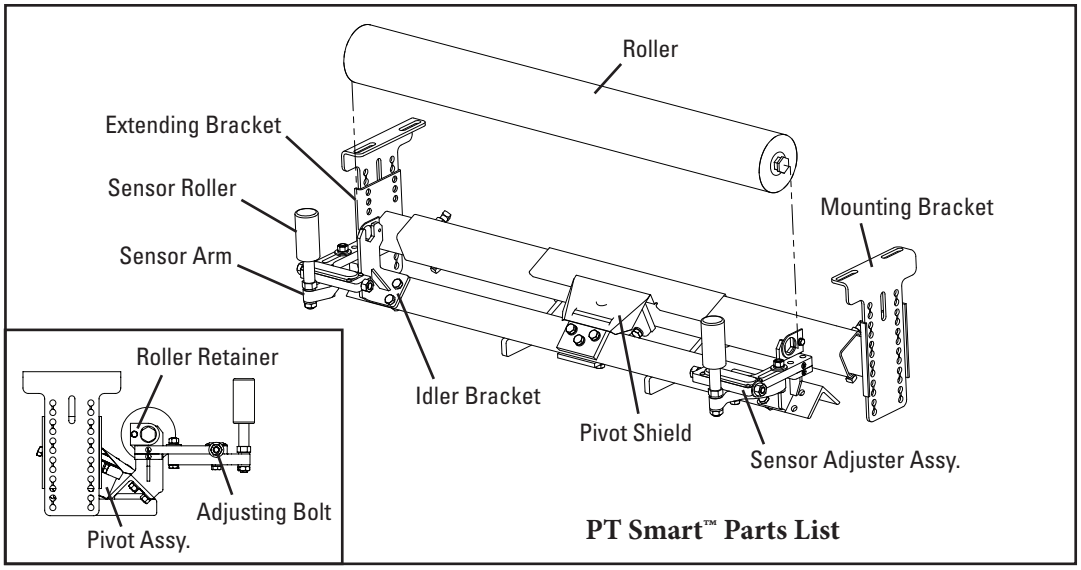
DESCRIPTION	ORDERING NUMBER	ITEM CODE
Medium Flex-Lifter 36–60" (900–1500mm)	FL-M	76469
Large Flex-Lifter 48–72" (1200–1800mm)	FL-L	76470
XL Flex-Lifter 72–96" (1800–2400mm)	FL-XL	76983



Flex-Lifter™ Conveyor Belt Lifter
The Flexco Flex-Lifter makes the job of lifting the conveyor belt easy and safe. Using two Flex-Lifters, the belt can be quickly lifted out of the way to install the PTEZ™. The Flex-Lifter has the highest safe lift rating available at 4000 lbs (1810 kg). And it's versatile. It can also be used to lift topside or return side belt for splicing, roller replacement or other maintenance jobs. Available in three sizes: Medium for belt widths 36–60" (900–1500mm), Large for belt widths 48–72" (1200–1800mm), and XL for belt widths 72–96" (1800–2400mm).

Section 4 - Installation Instructions

4.1 PT Smart™



PT Smart™ Parts List

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

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

Tools Needed:

- 3/4" (19mm) Wrench **OR** Medium or Large Adjustable/ Crescent Wrench
- (x2) Come-along (3/4 ton minimum)
- Tape Measure
- Marking Pen or Soapstone
- Any necessary equipment for moving and lifting heavy compoments.

1. **Prepare the conveyor site:**

   a. Identify the point(s) of mistracking, expecting 120–150' (36–45M) of downstream influence.

   b. Position the unit 20' (6M) after the start of the mistracking.

   c. Identify an opening of at least 20" (500mm) if possible to avoid interference with sensor rollers during installation (Fig. 1).

   d. Remove old tracking devices.

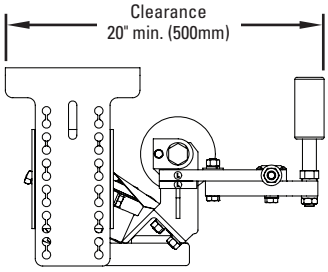


Fig. 1

Section 4 - Installation Instructions

4.1 PT Smart™

2. **Position the mounting brackets.** May be mounted to existing idler bracket mounts OR to the outside of the structure, if the structure's width is the belt width +18" (450mm) or less. Be sure the belt passes between the top and bottom mounting holes (Fig 2).

3. **Install the mounting brackets.** Measure from a fixed location on both sides to ensure alignment.

4. **Lift the belt.** Lift the belt up approximately 3" (75mm) where the trainer will be installed (Fig. 3).

5. **Remove the existing idler if present.**

   NOTE: If the conveyor has disc idlers, replace one idler before and one idler after in the location where the trainer will be installed with a standard idler.

6. **Remove the roller.** First, unbolt the roller retainer (Fig. 4). Next, determine the orientation of the trainer and remove the far side extending bracket (Fig. 4a).

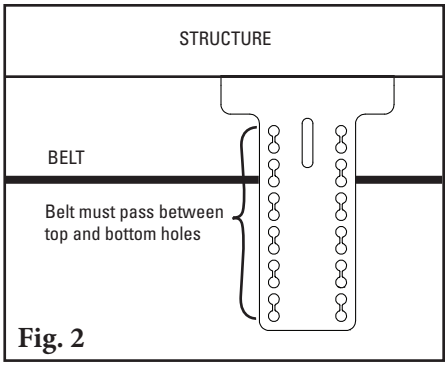


Fig. 2

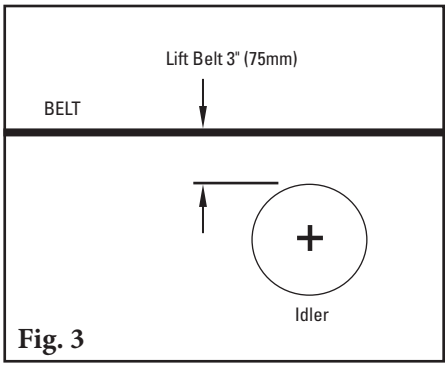


Fig. 3

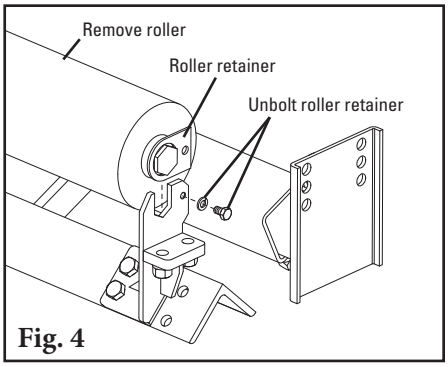


Fig. 4

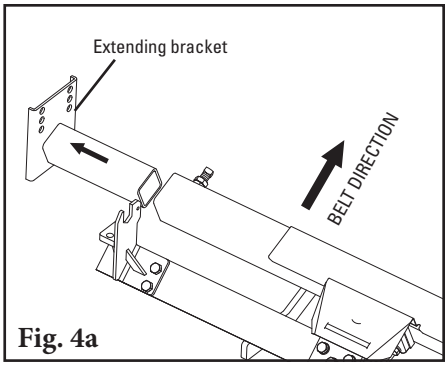


Fig. 4a

Section 4 - Installation Instructions

4.1 PT Smart™

7. **Attach the extending bracket to the mounting bracket already installed on the far side of the conveyor (Fig. 5).** Finger-tighten the bolts for future adjustments. The top bolt holes should be even with the normal height of the belt.

8. **Slide the far end of the main frame onto the extending bracket assembled in Step 7 (Fig. 6).**

9. **Lift the near end of the main frame and attach the extending bracket to the mounting bracket (Fig. 7).** Ensure the main frame is centered on the extending brackets, making sure that there is equal length of the extenders showing on both sides (Fig. 7a).

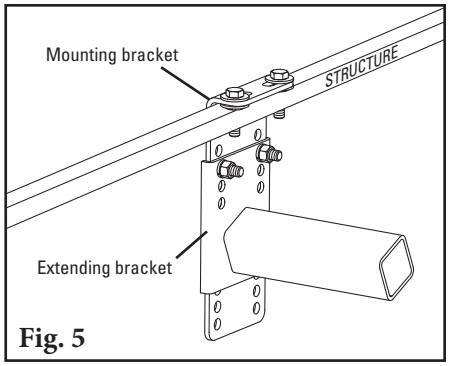


Fig. 5

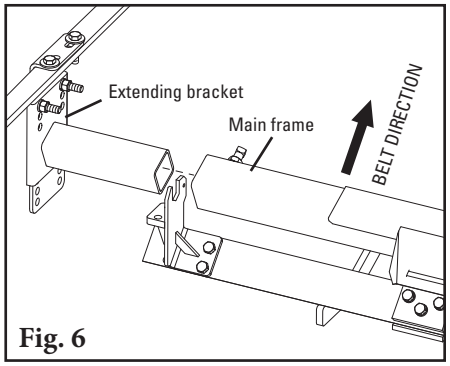


Fig. 6

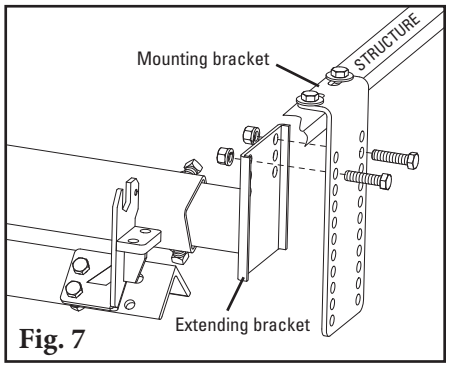


Fig. 7

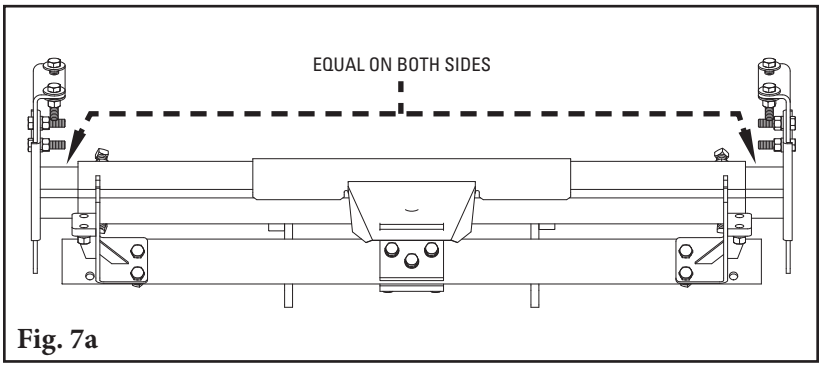


Fig. 7a

Section 4 - Installation Instructions

4.1 PT Smart™

10. **Reinstall the roller and re-bolt the roller retainer (Fig. 8).**

11. **Lower the belt.** Ensure that the belt makes complete contact with the roller. Raise the extending brackets one hole if there is not good contact (Fig. 9). Tighten all bolts.

12. **Install the sensor adjuster assemblies using the included bolts.** Ensure that the left and right assemblies are installed on the correct sides. Adjust the sensor rolls vertically using the adjustment nuts so the belt is centered on the roller.

13. **Adjust the sensor rollers so they are 3/4" (19mm) from the belt on each side.** Adjust them by first loosening the "A" and "B" bolts, then turning the "C" bolts (Fig. 10 & 11).

14. **Pivot the frame 1/2" (13mm) to the side it is mistracking.** Bring the sensor roller in until it touches the belt. Move the opposite sensor roller out 1-1/2" (38mm) from the belt (Fig 12).

15. **Tighten all bolts and proceed to the Pre-op Checklist.**

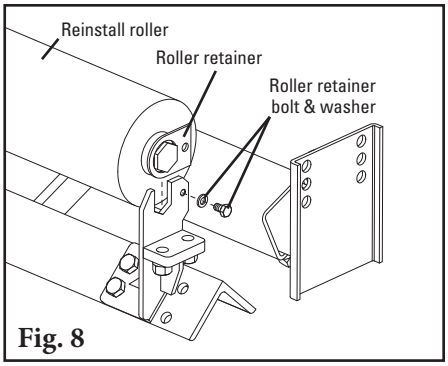


Fig. 8

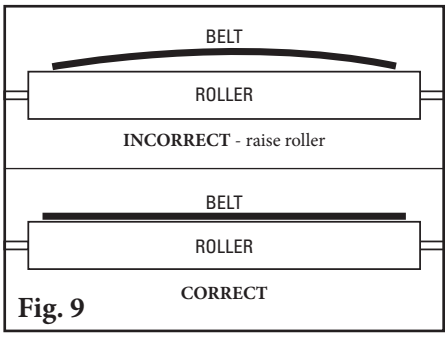


Fig. 9

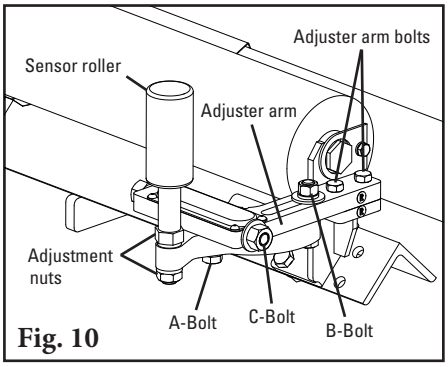


Fig. 10

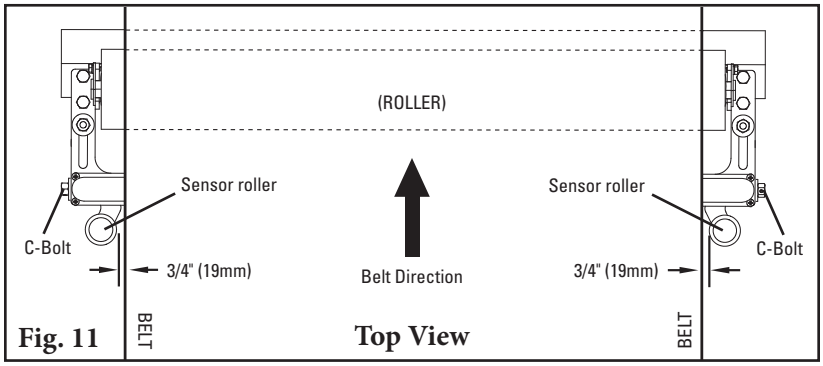


Fig. 11 Top View

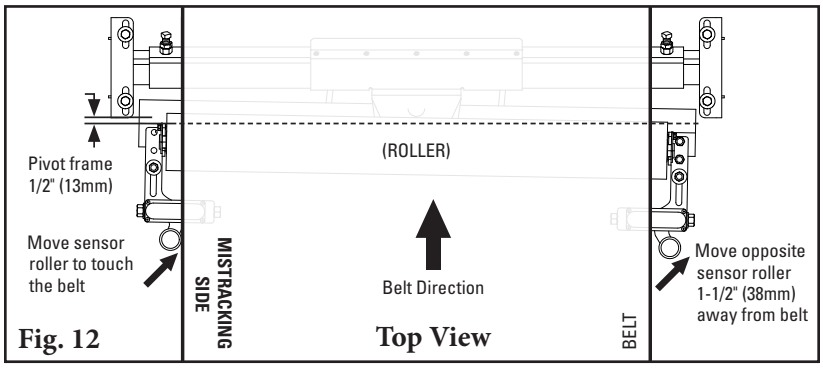


Fig. 12 Top View

Section 5 - Pre-Operation Checklist and Testing

5.1 Pre-Op Checklist

- Recheck that all fasteners are tightened properly.
- Apply all supplied labels.
- 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 confirm the belt is tracking properly.
- If belt is still mistracking too far to one side, bring that sensor roller in toward the center. Make adjustments of 1/4"(6mm) at a time (Fig. 1). Do not pinch the belt between the rollers - rollers overall should be 1-1/2" (38mm) wider than the belt (Fig. 2).

NOTE: If the conveyor has disc idlers, the belt may not get the full downstream tracking effect.

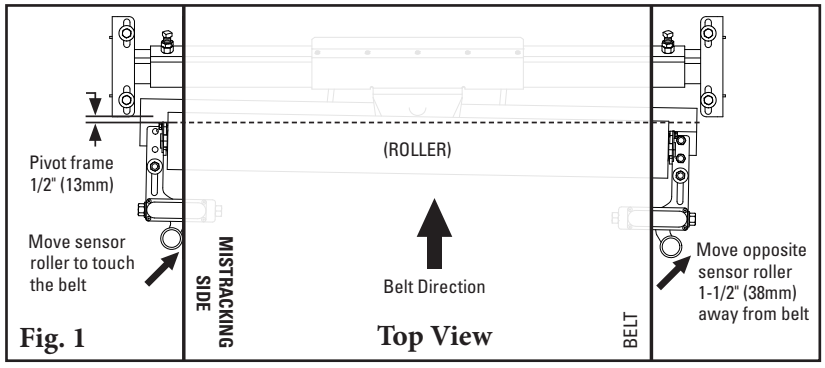


Fig. 1

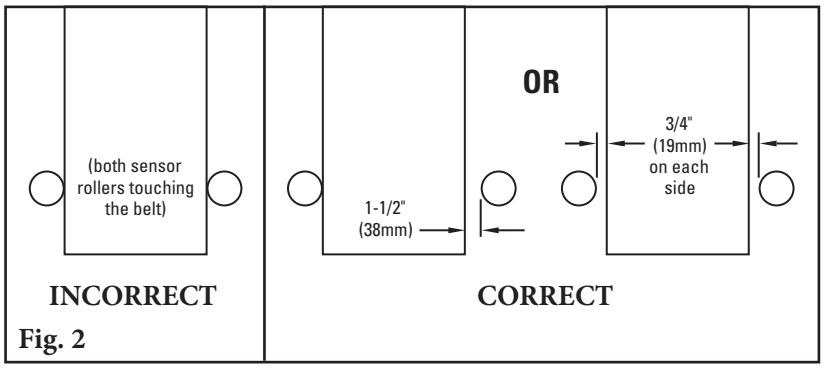


Fig. 2

Section 6 - Maintenance

Flexco belt trainers are designed to operate with minimum maintenance. However, to maintain superior performance some service is required. When the trainer is installed a regular maintenance program should be set up. This program will ensure that the trainer operates at optimal efficiency, and problems can be identified and fixed before any damage is done to the belt, the trainer, other conveyor components, or structure.

All safety procedures for inspection of equipment (stationary or operating) must be observed. The PT Smart 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 PT Smart™ has run for 15 minutes a visual inspection should be made to ensure the trainer is performing properly. Make adjustments as needed.

6.2 Routine Visual Inspection (every 2-4 weeks)

A visual inspection of the PT Smart can determine:

- If the belt is tracking as required.
- If the trainer is moving freely.
- If the main frame is free of material and rolling properly.
- If there is damage to the main frame or other components.
- If the sensor rollers are turning freely and without damage.

If any of the above conditions exist, a determination should be made on when the conveyor can be stopped for trainer 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 trainer to perform the following tasks:

- Clean material buildup off the trainer and components.
- Closely inspect both sensor rollers for free movement and wear. Replace if needed.
- Closely inspect main roller for free movement and wear. Replace if needed.
- Pivot unit to ensure full and easy movement.
- Closely inspect complete unit for damage.
- Inspect all fasteners for tightness and wear. Tighten or replace if needed.
- When maintenance tasks are completed, test run the conveyor to ensure the trainer is performing properly.

Section 6 - Maintenance

6.4 Roller Replacement Instructions

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

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

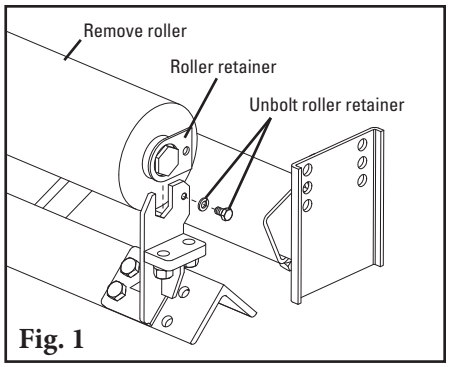


Fig. 1

1. **Remove the tension from the belt.** Use a Flex-Lifter, or other appropriate lifting equipment, to lift the belt approximately 3" (75mm) off the trainer.
2. **Remove the old roller and install the new roller.** Unbolt and then re-bolt both roller retainers (Fig. 1). Confirm that the new roller turns smoothly
3. **Lower the belt.** Ensure that the belt makes complete contact with the roller. Raise the extending brackets one hole if there is not good contact (Fig. 2). Tighten all bolts.
4. **Adjust the sensor rollers so they are 3/4" (19mm) from the belt on each side.** Adjust them by first loosening the "A" and "B" bolts, then turning the "C" bolts (Fig. 3 & 3a).
5. **Pivot the frame 1/2" (13mm) to the side it is mistracking.** Bring the sensor roller in until it touches the belt. Move the opposite sensor roller out 1-1/2" (38mm) from the belt (Fig 4).
6. **Tighten all bolts and refer to the Pre-op Checklist before running the conveyor.** If the belt is still mistracking, refer to Section 5.2.

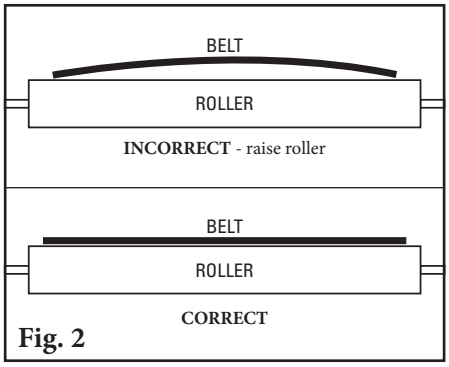


Fig. 2

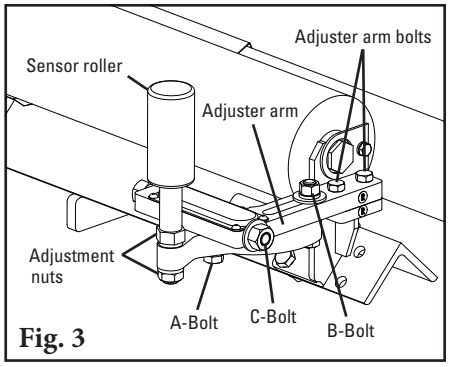


Fig. 3

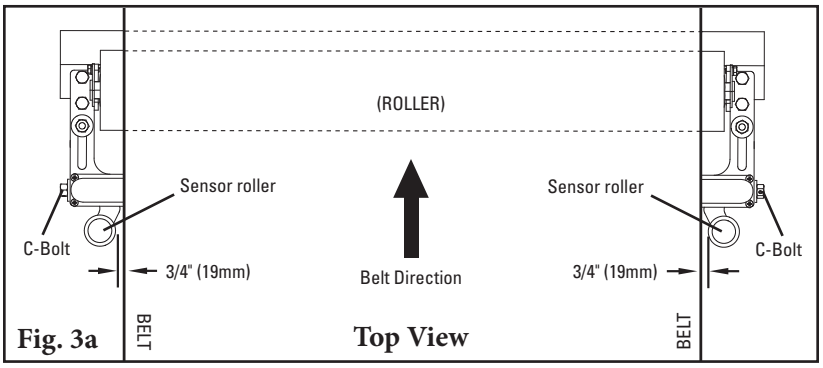


Fig. 3a **Top View**

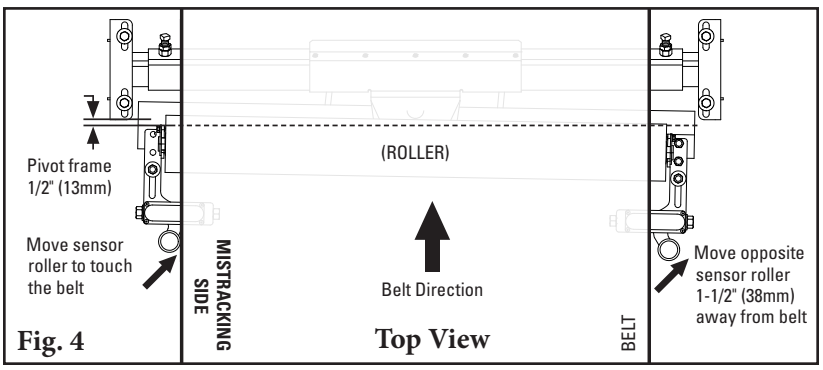


Fig. 4 **Top View**

6.5 Sensor Roller Replacement Instructions

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

1. **Loosen the "A" and "B" bolts, then turn the "C" bolts to move the sensor roller away from the belt (Fig. 1).**
2. **Loosen the nut at base of sensor roller and remove from the adjuster arm (Fig. 2).**
3. **Install the new sensor roller.** Reinstall the nut, and adjust the sensor roll vertically by using the adjustment nuts to align the center of the roller with the belt.
4. **Adjust the sensor rollers so they are 3/4" (19mm) from the belt on each side.** Adjust them by first loosening the "A" and "B" bolts, then turning the "C" bolts (Fig. 3).
5. **Pivot the frame 1/2" (13mm) to the side it is mistracking.** Bring the sensor roller in until it touches the belt. Move the opposite sensor roller out 1-1/2" (38mm) from the belt (Fig 4).
6. **Tighten all bolts and refer to the Pre-op Checklist before running the conveyor.** If belt is still mistracking, refer to Section 5.2.

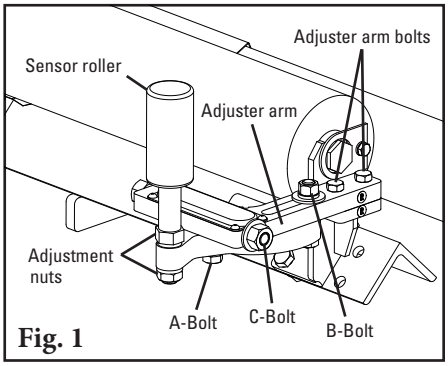


Fig. 1

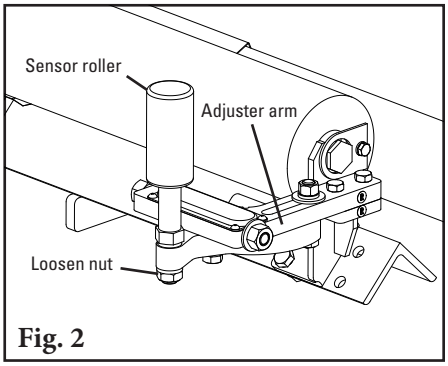


Fig. 2

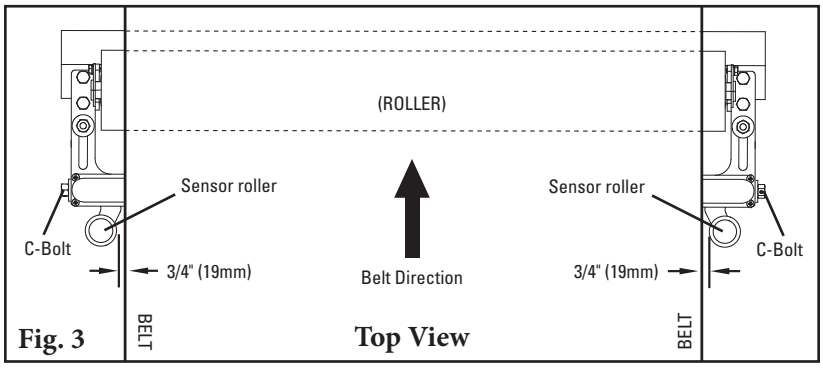


Fig. 3

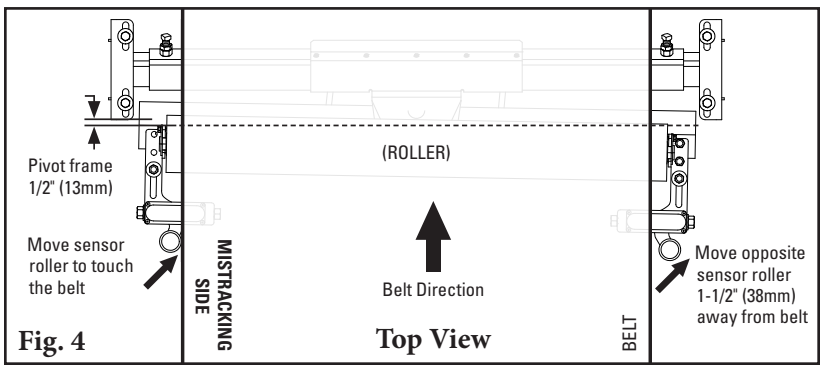


Fig. 4

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: _____

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

Activity: _____

Section 6 - Maintenance

6.7 Belt Trainer Maintenance Checklist

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

PT Smart™:_____ **Serial Number:**_____

Beltline Information:

Beltline Number: _____ Belt Condition: _____

Belt Width: ☐ 18" (450mm) ☐ 24" (600mm) ☐ 30" (750mm) ☐ 36" (900mm) ☐ 42" (1050mm) ☐ 48" (1200mm) ☐ 54" (13500mm) ☐ 60" (1500mm) ☐ 72" (1800mm)

Belt Speed: _____ Belt Thickness: _____

Idler Roller Life:

Date Roller Installed:_____ Date Roller Inspected:_____ Estimated Roller Life:_____

Roller Condition: _____

Sensor Roller Life (Right Side):

Date Roller Installed:_____ Date Roller Inspected:_____ Estimated Roller Life:_____

Roller Condition: _____

Sensor Roller Life (Left Side):

Date Roller Installed:_____ Date Roller Inspected:_____ Estimated Roller Life:_____

Roller Condition: _____

PT Smart™ Frame Condition: ☐ Good ☐ Bent ☐ Rusted

Overall PT Smart™ Performance: (Rate the following 1 - 5, 1=very poor - 5= very good)

Appearance: ☐ Comments:_____

Location: ☐ Comments:_____

Maintenance: ☐ Comments:_____

Performance: ☐ Comments:_____

Other Comments:_____

_____

_____

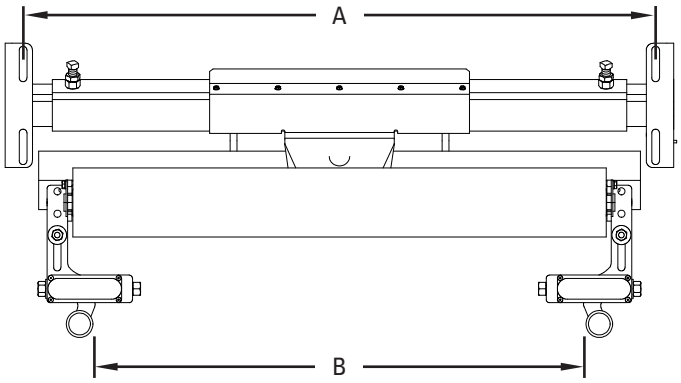
_____

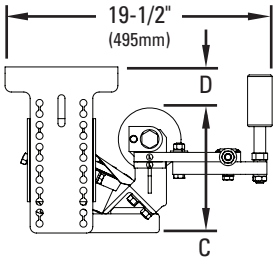
Section 7 - Troubleshooting

Problem	Possible Cause	Possible Solutions
Little to no effect on trouble area of belt	Unit installed in wrong location	Relocate unit 20' (6M) after start of problem area of belt
	Incorrect tension on unit	Increase height of unit to provide 1/2–1" (13–25mm) lift on belt
	Unit mis-adjusted	Adjust sensor roller to provide more activation of unit
	Buildup on main roller	Clean unit
Belt not correcting enough	Unit mis-adjusted	Adjust sensor roll to provide more activation of unit
	Disc idlers on conveyor	Replace one disc idler before and one after the trainer with a standard idler
Belt moving over too much	Unit mis-adjusted	Adjust sensor roll to provide less activation of unit
Belt is jumping sensor roll	Unit located too low in structure	Increase height of unit to provide 1/2–1" (13–25mm) lift on belt
Belt contacting both side sensors	Unit mis-adjusted	Adjust sensors to provide the 1-1/2" (38mm) clearance so both sensors do not touch belt
Unit does not pivot	Buildup of material	Clean unit
Main roller not turning	Buildup on main roller	Clean unit
	Main roller bearing bad	Replace main roller

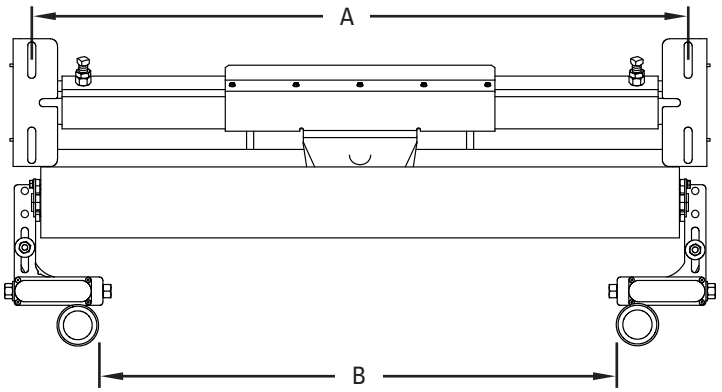
Section 8 - Specs and CAD Drawings

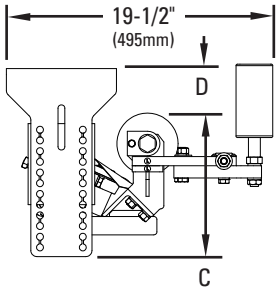
8.1 Specifications and Guidelines





PT Smart Standard										
Belt Width		Item Code	A		B		C		D (vertical adjustment)	
in.	mm		in.	mm	in.	mm	in.	mm	in.	mm
18	450	77664	23–35	575–875	10–23	250–575	10	250	0–10	0–250
24	600	77665	29–41	725–1025	16–29	400–725				
30	750	77666	35–47	875–1175	22–35	550–875				
36	900	77667	41–53	1025–1325	28–41	700–1025				
42	1050	77668	47–59	1175–1475	33–47	825–1175				
48	1200	77669	53–65	1325–1625	40–53	1000–1325				
54	1350	77670	59–71	1475–1775	46–59	1150–1475				
60	1500	77671	65–77	1625–1925	52–65	1300–1625				
72	1800	77672	77–89	1925–2225	64–77	1600–1925				

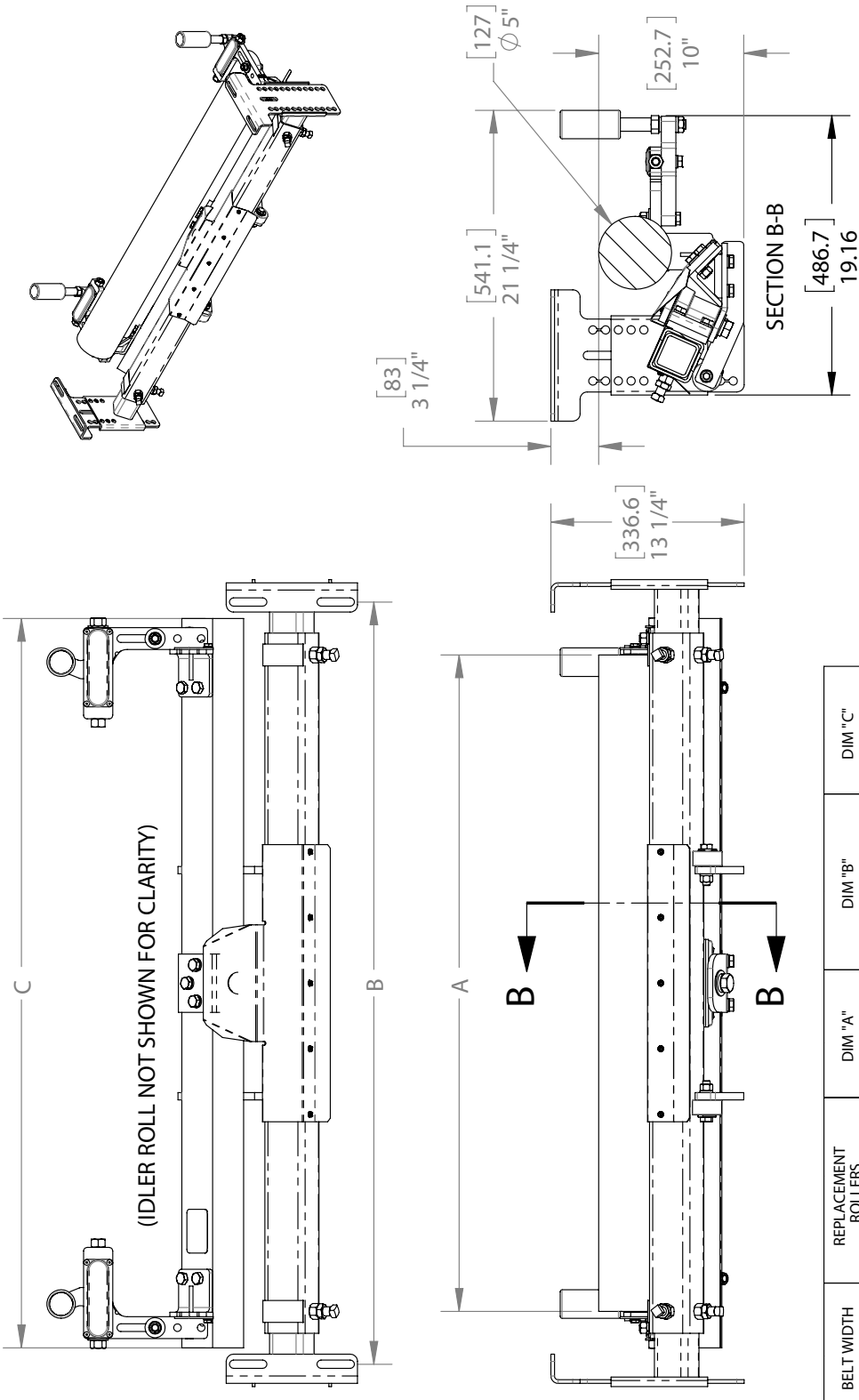




PT Smart Underground Structure										
Belt Width		Item Code	A		B		C		D (vertical adjustment)	
in.	mm		in.	mm	in.	mm	in.	mm	in.	mm
30	750	77673	35–47	875–1175	27–40	675–1000	10	250	2-3/4–13-1/4	695–331
36	900	77674	41–53	1025–1325	33–46	825–1150				
42	1050	77675	47–59	1175–1475	39–52	975–1300				
48	1200	77676	53–65	1025–1625	45–58	1125–1450				
54	1350	77677	59–71	1475–1775	51–64	1275–1600				
60	1500	77678	65–77	1625–1925	57–70	1425–1750				
72	1800	77679	77–89	1925–2225	69–82	1725–2050	10-1/2	262	2-1/4–12-3/4	565–319

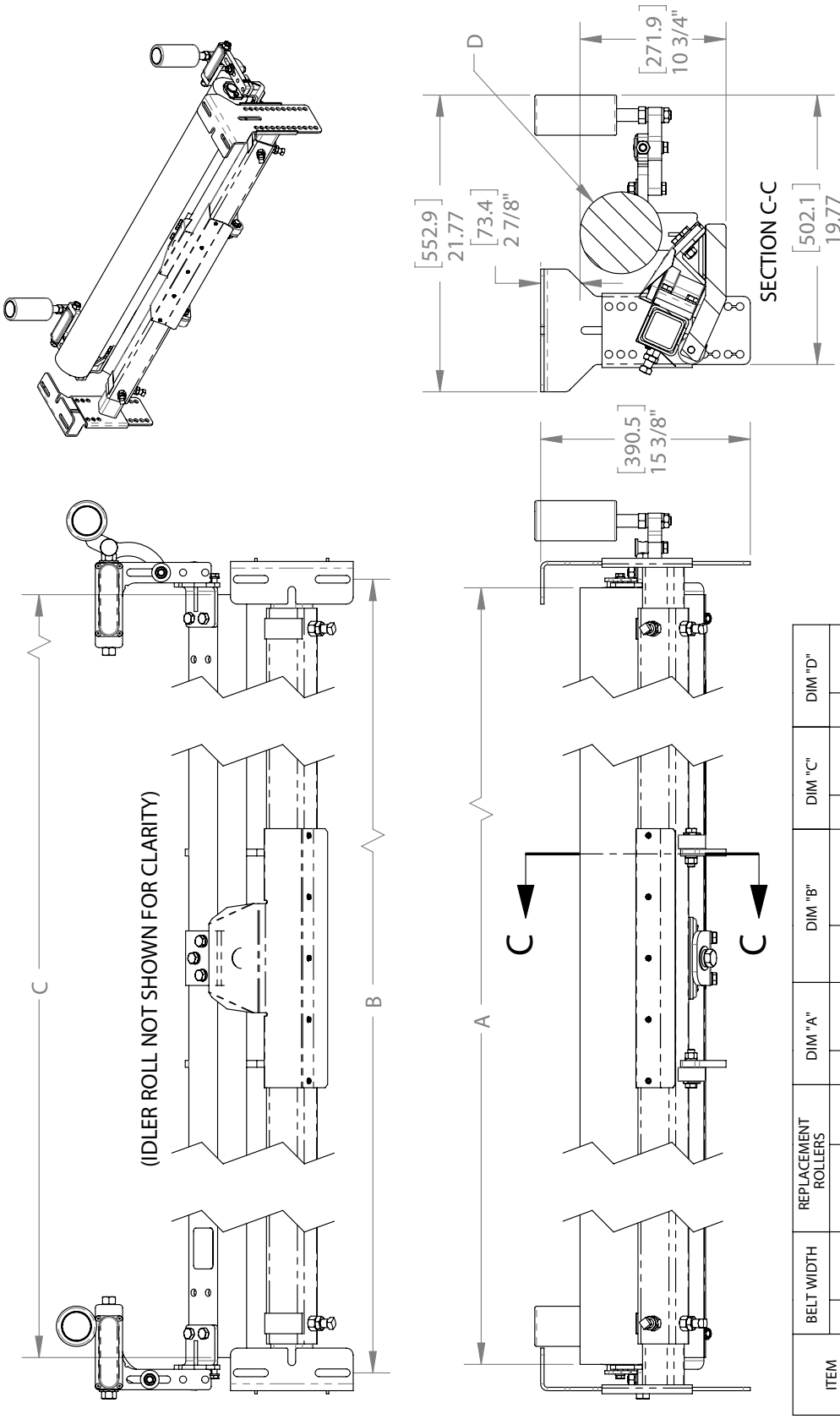
Section 8 - Specs and CAD Drawings

8.2 CAD Drawing - PT Smart™ Standard



ITEM CODE	BELT WIDTH		REPLACEMENT ROLLERS		DIM "A"		DIM "B"		DIM "C"	
	in	mm	ORDERING NUMBER	ITEM CODE	in	mm	in	mm	in	mm
77664	18	450	PTS-RR21	77680	21	525	23-35	575-875	26	650
77665	24	600	PTS-RR27	77681	27	675	29-41	725-1025	32	800
77666	30	750	PTS-RR33	77682	33	825	35-47	875-1175	38	950
77667	36	900	PTS-RR39	77683	39	975	41-53	1025-1325	44	1100
77668	42	1050	PTS-RR45	77684	45	1125	47-59	1175-1475	50	1250
77669	48	1200	PTS-RR51	77685	51	1275	53-65	1325-1625	56	1400
77670	54	1350	PTS-RR57	77686	57	1425	59-71	1475-1775	62	1550
77671	60	1500	PTS-RR63	77687	63	1575	65-77	1325-1925	68	1700
77672	72	1800	PTS-RR75	77689	75	1905	76-88	1935-2245	80	2032

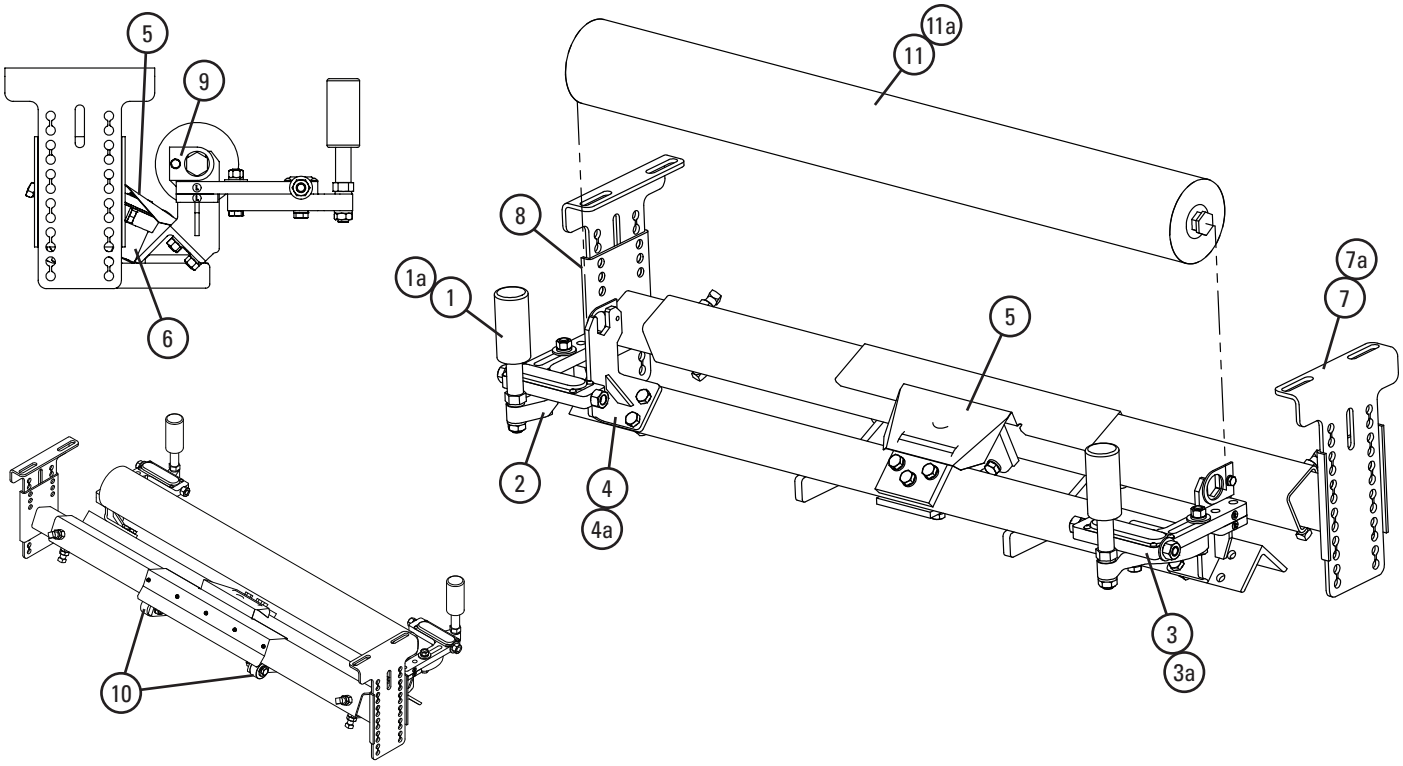
8.3 CAD Drawing - PT Smart™ Underground



ITEM CODE	BELT WIDTH		REPLACEMENT ROLLERS		DIM "A"		DIM "B"		DIM "C"		DIM "D"	
	in	mm	ORDERING NUMBER	ITEM CODE	in	mm	in	mm	in	mm	in	mm
77673	30	750	PTS-RR39	77683	39	975	35-47	875-1175	38	950	5	127
77674	36	900	PTS-RR45	77684	45	1125	41-53	1025-1325	44	1100		
77675	42	1050	PTS-RR51	77685	51	1275	47-59	1175-1475	50	1250		
77676	48	1200	PTS-RR57	77686	57	1425	53-65	1325-1625	56	1400		
77677	54	1350	PTS-RR63	77687	63	1575	59-71	1475-1775	62	1550		
77678	60	1500	PTS-RR69	77688	69	1725	65-77	1325-1925	68	1700		
77679	72	1800	PTS-RR75	77689	75	1875	77-89	1925-2225	80	2032	6	152.4

Section 9 - Replacement Parts

9.1 Replacement Parts List



Replacement Parts

REF	DESCRIPTION	ORDERING NUMBER	ITEM CODE
1	PTS STD Sensor Roller (2" (50mm))	PTS-SR	77691
1a	PTS HD Sensor Roller (3" (75mm))	PTS-HDSR	77692
-	Optional PTS STD Adjustable Sensor Roller (2" (50mm))	PTS-ASR	93089
-	Optional PTS HD Adjustable Sensor Roller (3" (75mm))	PTS-AHDSR	93090
2	PTS Sensor Arm Kit (incl. 1 ea.)	PTS-SAK	77694
3	PTS RH Sensor Adjuster Assy	PTS-RHSAA	77755
3a	PTS LH Sensor Adjuster Assy	PTS-LHSAA	77756
4	PTS Idler Bracket Kit (incl. L & R)	PTS-IBK	77696
4a	PTS HD Idler Bracket Kit (incl. L & R)	PTS-HIBK	77697
5	PTS Pivot Shield	PTS-PS	77698
6	PTS Pivot Assy (Axle and housing)	PTS-PA	77699
7	PTS Mounting Bracket Kit	PTS-MBK	77700
7a	PTS Mounting Bracket Kit U/G	PTS-MBKUG	77701
8	PTS Extending Bracket Kit (incl. L & R)	PTS-EBK	77702
9	Roller Retainer Kit	RBPRET	73163
10	Delrin Roll Kit* (incl. 2 kits)	PTS-DRK	90100
-	Wire Mount Kit	PTS-WMK	78767

*Hardware included
Lead time: 1 working day

Replacement Rollers

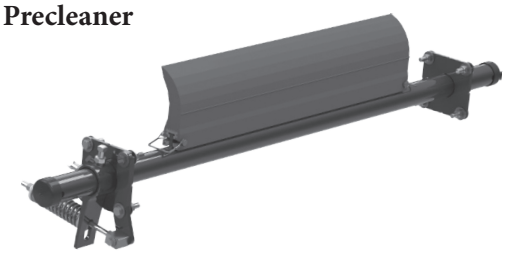
REF	BELT WIDTH		DESCRIPTION	ORDERING NUMBER	ITEM CODE
	in.	mm			
FOR PT SMART™ STANDARD STRUCTURE					
11	18	450	PTS Repl Roller 21" (525mm)	PTS-RR21	77680
	24	600	PTS Repl Roller 27" (675mm)	PTS-RR27	77681
	30	750	PTS Repl Roller 33" (825mm)	PTS-RR33	77682
	36	900	PTS Repl Roller 39" (975mm)	PTS-RR39	77683
	42	1050	PTS Repl Roller 45" (1125mm)	PTS-RR45	77684
	48	1200	PTS Repl Roller 51" (1275mm)	PTS-RR51	77685
	54	1350	PTS Repl Roller 57" (1425mm)	PTS-RR57	77686
	60	1500	PTS Repl Roller 63" (1575mm)	PTS-RR63	77687
	72	1800	PTS Repl Roller 75" (1875mm)	PTS-RR75	77689
FOR PT SMART™ UNDERGROUND STRUCTURE					
11a	30	750	PTS Repl Roller 39" (975mm)	PTS-RR39	77683
	36	900	PTS Repl Roller 45" (1125mm)	PTS-RR45	77684
	42	1050	PTS Repl Roller 51" (1275mm)	PTS-RR51	77685
	48	1200	PTS Repl Roller 57" (1425mm)	PTS-RR57	77686
	54	1350	PTS Repl Roller 63" (1575mm)	PTS-RR63	77687
	60	1500	PTS Repl Roller 69" (1725mm)	PTS-RR69	77688
	72	1800	PTS Repl Roller 81" (2025mm)	PTS-RR81	77690

Lead time: 1 working day

Section 10 - Other Flexco Conveyor Products

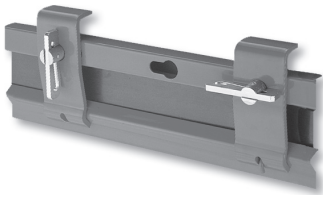
Flexco provides many conveyor products that help your conveyors to run more efficiently and safely. These components solve typical conveyor problems and improve productivity. Here is a quick overview on just a few of them:

EZP1 Precleaner



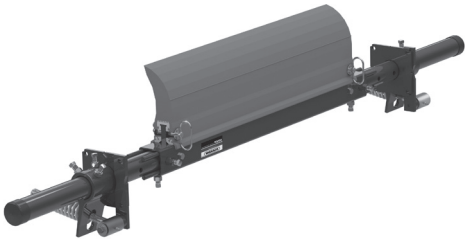
- Patented ConShear™ blade renews its cleaning edge as it wears
- Visual Tension Check™ for optimal blade tensioning and simple retensioning
- Quick and easy one-pin blade replacement
- Material Path Option™ for optimal cleaning and reduced maintenance

Flex-Lok™ Skirt Clamps



- Eliminates transfer zone spillage
- Interlocking design for easy installation and one-person maintenance
- Unique wedge pin holds rubber securely in place and is easy to adjust
- Available in various models and in stainless steel

MMP Precleaner

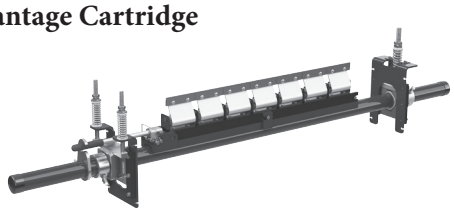


- Extra cleaning power for tough applications
- 10" (250mm) TuffShear™ blade provides increased blade-to-belt tension
- A 3-piece telescoping pole is lighter to lift and easier to install
- Dual Quick-Mount Tensioners ensure optimal tension throughout the life of the blade

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

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
- Compatible with Flexco mechanical splices

Belt Plows

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

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