



CONVEYOR COMPONENTS COMPANY

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MODEL FA CONVEYOR BELT CLEANER INSTRUCTIONS



WARNING:

Failure to strictly follow all instructions may result in DEATH or SERIOUS INJURY. Before servicing, shut down and physically lock-out the conveyor system. Disconnect power before servicing.

Overview:

The Model FA cleaner effectively cleans wet, dry or sticky materials from conveyor belts. Spring and blade life are greatly increased by the exclusive floating spring design. Thus, the cleaner pays for itself many times over by reducing clean-up and cleaner maintenance expenses. Idler build-up and belt misalignment are also eliminated. Cleaners are shipped assembled and ready to install and will adjust easily to fit most conveyor frames.

The Model FA definitely will not harm metal belt splices or belts. It's designed for use on belts with either mechanical or vulcanized splices.

Features:

- * Quick-Change Action - The design of the Model FA cleaner is such that maintenance can be performed quickly and with very little effort. The entire blade arm and angle assembly together with the adjusting handle can be withdrawn from underneath the belt or through a door in the chute for quick maintenance of the arm and blade assembly. This is accomplished by loosening the locking handle which permits the entire assembly to slide off of the support pipe.
- * "Float Action" - A molded on rubber block allows the spring arm to float. Two bolts through the rubber block and arm clamp the assembly securely to the spring support angle. The rubber then absorbs the majority of the spring's flexing thereby increasing its life. Spring arm construction is of the highest quality, specially processed spring steel.

Installation Instructions:

Right hand units are furnished unless otherwise specified. A right-hand unit will have the adjusting handle on the right-hand side when facing the direction of travel of the load on the conveyor belt. The cleaner is supplied with the proper number of blades and springs to clean the belt size specified at time of order. The spring support angle and the tube are supplied extra-long and are to be cut in the field to suit the conveyor frame. Dimension "A" adjusts to fit conveyor frames with a minimum width of 5" greater than the belt width and a maximum width of 21" greater than the belt width. Note: the unit can fit conveyor frames up to 24" greater than the belt width ordered when the hanger brackets (figure 6, item 1) are reversed outward.

The hanger bars are located on either side of the conveyor frame so that the center of the belt cleaner tube is approximately 8" below the conveyor belt. Allow room on one side for ease in servicing the unit. Blade contact should be at least 1/2" from the point at which the belt leaves the pulley. The spring support angle slides over the tube and the blades are centered under the belt. The handle is then positioned on the angle and held in place by a set screw. The spring support angle and the tube are

supplied extra-long to allow field adjustment to most conveyor frame sizes. The locking handle holds the adjusting handle at the desired blade pressure point. Very little blade pressure is needed to clean the average belt. Usually, two to three pounds per spring is sufficient. Unnecessary pressure will only cause premature blade wear. The belt should be flat where the cleaner engages it and any extreme projections on metal splices filed down.

Dimensions for Figures 1 & 3:				
Belt Width	'A' Min	'A' Max	'B' Min	'B' Max
12" [305 mm]	17" [432 mm]	33" [838 mm]	8.5" [216 mm]	16.5" [419 mm]
16" [406 mm]	21" [533 mm]	37" [940 mm]	10.5" [267 mm]	18.5" [470 mm]
18" [457 mm]	23" [584 mm]	39" [991 mm]	11.5" [292 mm]	19.5" [495 mm]
20" [508 mm]	25" [635 mm]	41" [1041 mm]	12.5" [318 mm]	20.5" [521 mm]
24" [610 mm]	29" [737 mm]	45" [1143 mm]	14.5" [368 mm]	22.5" [572 mm]
30" [762 mm]	35" [889 mm]	51" [1295 mm]	17.5" [445 mm]	25.5" [648 mm]
36" [914 mm]	41" [1041 mm]	57" [1448 mm]	20.5" [521 mm]	28.5" [724 mm]
42" [1067 mm]	47" [1194 mm]	63" [1600 mm]	23.5" [597 mm]	31.5" [800 mm]
48" [1219 mm]	53" [1346 mm]	69" [1753 mm]	26.5" [673 mm]	34.5" [876 mm]
54" [1372 mm]	59" [1499 mm]	75" [1905 mm]	29.5" [749 mm]	37.5" [953 mm]
60" [1524 mm]	65" [1651 mm]	81" [2057 mm]	32.5" [826 mm]	40.5" [1029 mm]
72" [1829 mm]	77" [1956 mm]	93" [2362 mm]	38.5" [978 mm]	46.5" [1181 mm]

Figure 1: Hanger Rail Mount Dimensions

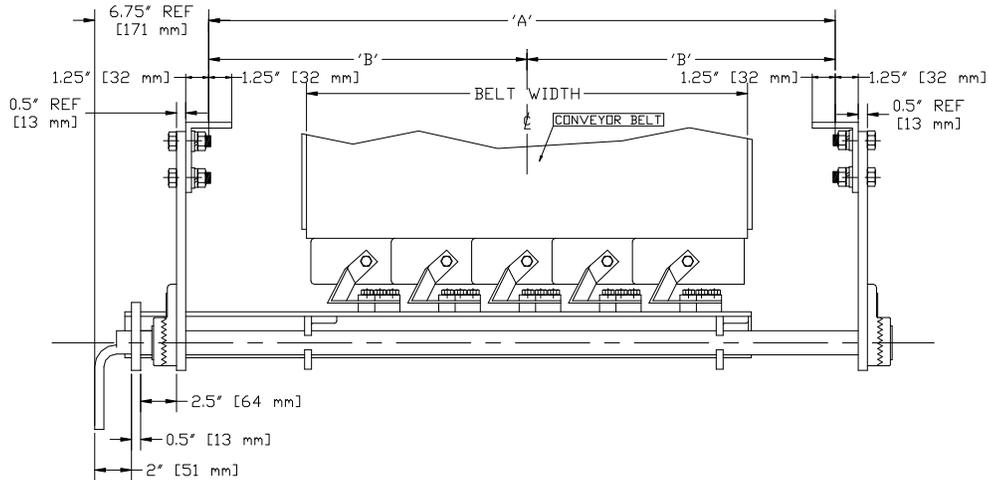


Figure 2: Hanger Rail Mount Side View

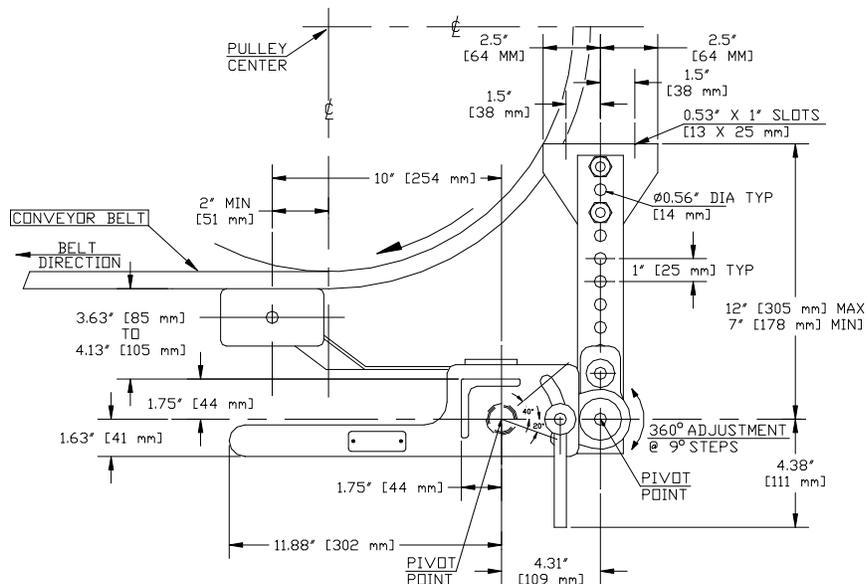


Figure 3: Chute Mount Unit Dimensions

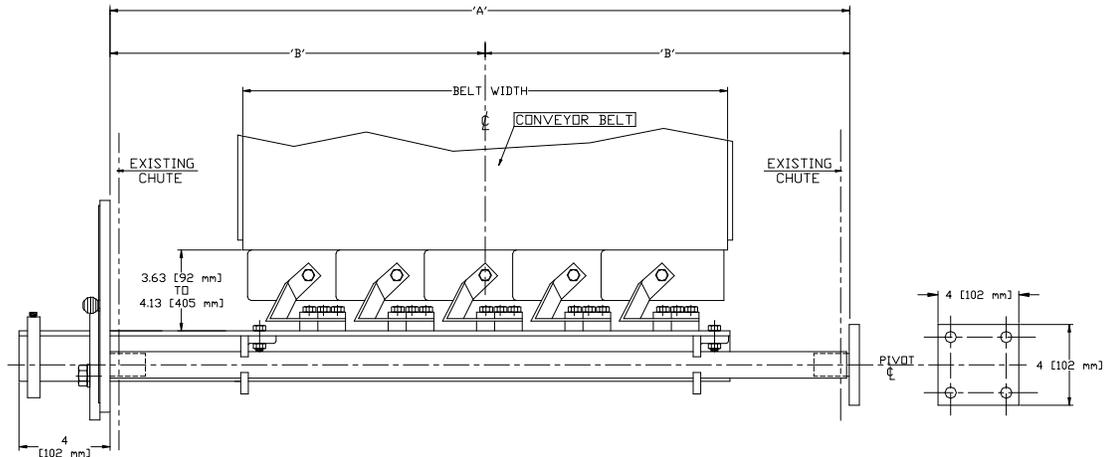


Figure 4: Chute Mount Unit Side View

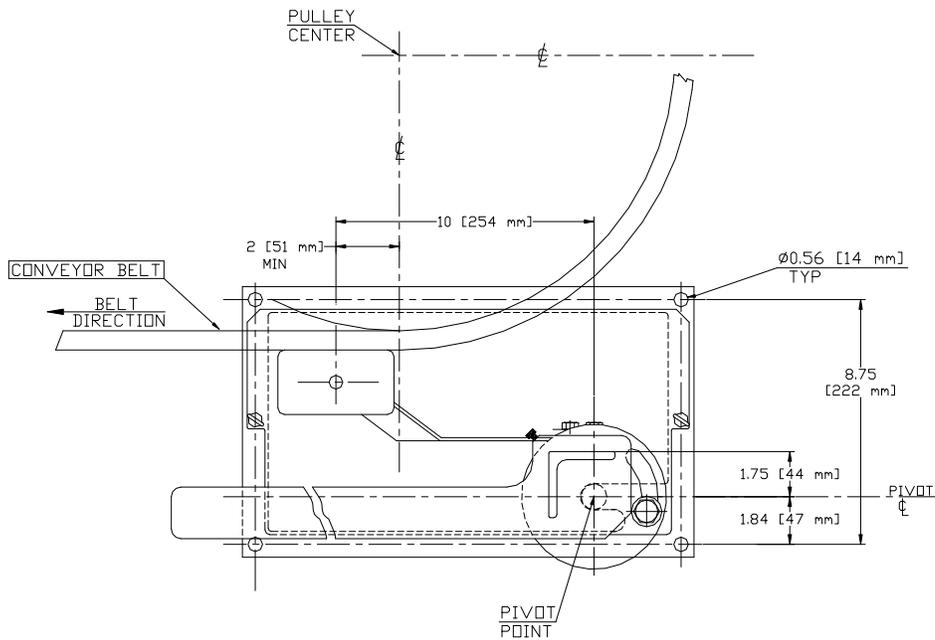
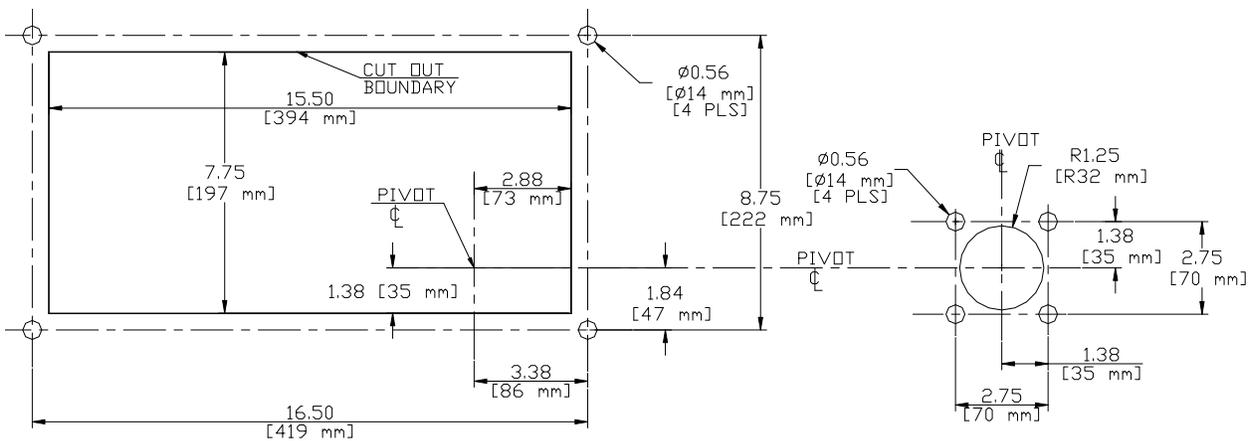


Figure 5: Chute Mounting Dimensions



Part Descriptions for Figures 6 & 7:					
1	20120001	Hanger Bracket	7	20120047	Tube Holder
2	20120035	Lock Handle	8	Per Size	Angle (Right Hand, Length)
3	20120038	Tube Holder w/ Bolt	9	Per Size	Support Tube (Length)
4	20120033	Lock Plate	10	20120039	Tube Clip
5	20120036	Adjusting Handle (Non-Chute)	11	FA-9C	Spring Arm Assembly
6	20120037	Hanger Bar	12	Per Type	Wiper Blade

Figure 6: Component Layout

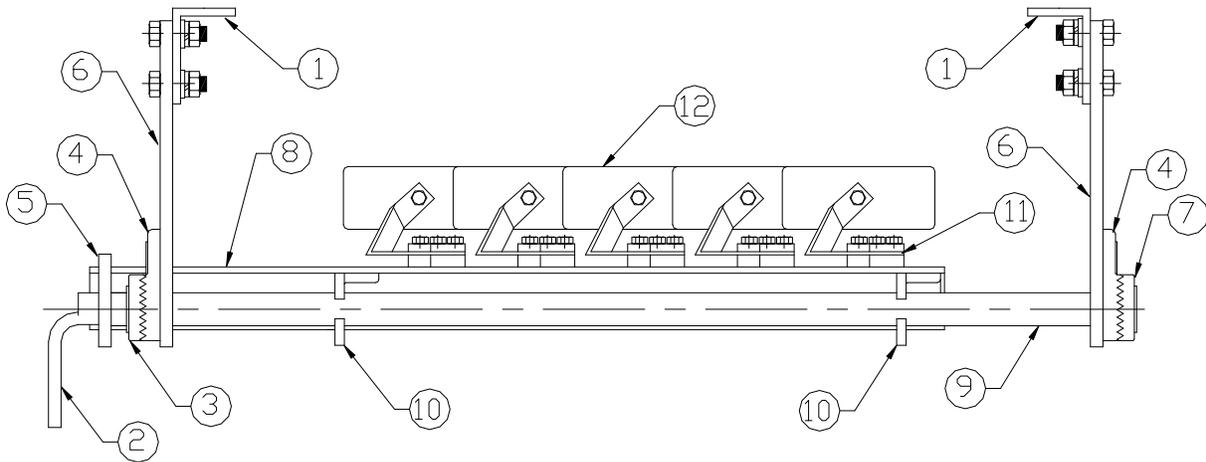


Figure 7: Component Layout, Side View

