



# CONVEYOR COMPONENTS COMPANY

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## MODEL LP CONVEYOR BELT CLEANER

The Model LP is a heavy duty, spring-loaded, rubber wiper type cleaner for use on all types of materials. It employs 80-durometer rubber specifically designed for maximum cleaning effectiveness. The Model LP's compact size makes it perfect for areas where installation space is critical such as inside or outside chutes and hoods.

Blades on the Model LP are automatically adjusted for wear. The blade assembly is merely tensioned into place using the standard adjusting hex nut or the optional ratchet tensioner. The spring system then keeps proper cleaner to belt contact for positive cleaning pressure. Adjustable stops keep the framework from contacting the belt.

### FEATURES:

- \* Belt can be reversed without injury to belt or cleaner, and without loss of cleaning effectiveness.
- \* Helps guard against "roll-back" damage when uphill conveyors are stopped.
- \* Compact for use where space is a problem.
- \* Easy to install and maintain.
- \* Adjusts to fit most conveyor frames.

### OPTIONS:

Ratchet Tensioner Model LP-R: Makes blade adjustment quick, easy, and positive. No guesswork, just ratchet each end of the cleaner into place and the system takes over from there. Maintains proper contact for maximum cleaning effectiveness.

Dual Blade LP-D: Supplied with two wiper blades on a pivot frame for heavy-duty belt cleaning.

Compact Design Model LP-SC or LP-RC: The Model LP is available in a compact design with an overall height of 13 <sup>3</sup>/<sub>4</sub>" [349mm] for use in areas where space is restricted (standard unit has an overall height of 18 <sup>3</sup>/<sub>4</sub>" [476mm]). Special order chute and flange mount units are available.

"Quick-Change" "Vise-Grip" Model LP-SV or LP-RV: Refer to figure 2. This optional feature is available for easy changing of the wiper blade. To remove the wiper blade, loosen the vise assembly handles, replace or re-adjust the wiper blade, and re-tighten. Any guage rubber or urethane material from 1/2" to 1 1/2" [13 to 38mm] can be used. The model LP is standard equipped with 1" thick x 6" high [25 x 152mm] BELT-KLEEN rubber wiper blade. Please contact Conveyor Components Co. for other blade material availability.

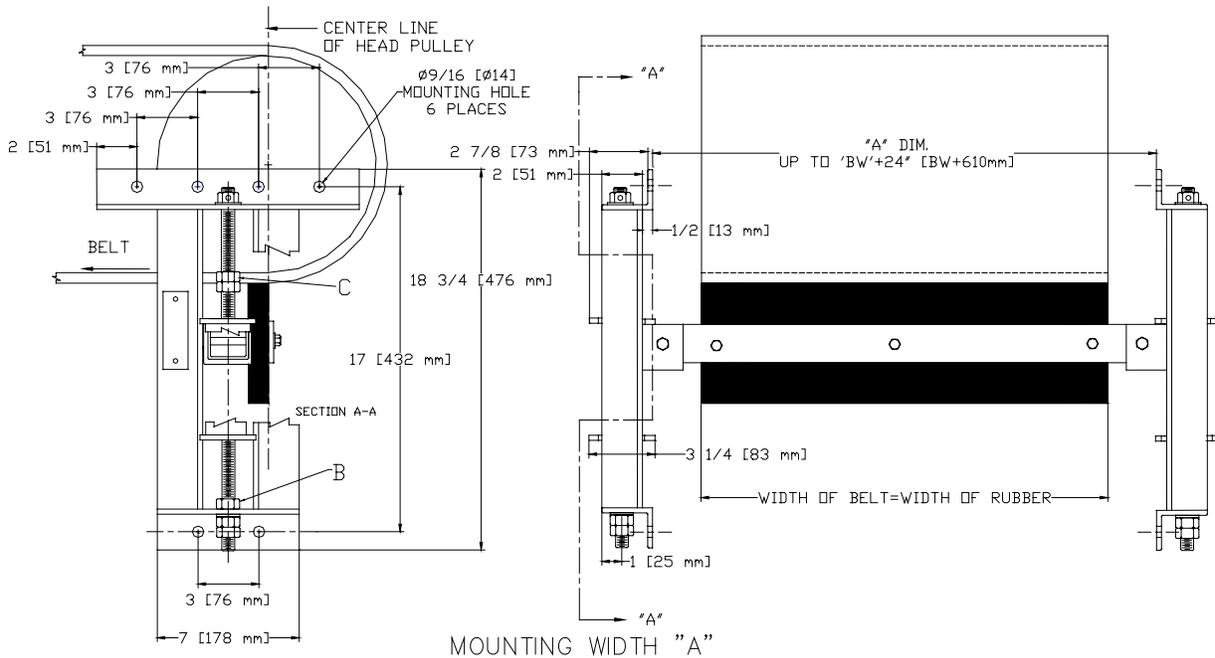
Pulley Scraper Model PS: Modified LP with steel blade and simplified construction for mounting near conveyor pulleys.

### INSTALLATION: Refer to figure 1

1. Mount side frames on conveyor frame or chute so that first mounting hole is 2 1/2" [64mm] ahead of pulley centerline and 4" to 7" [102 to 178mm] above the bottom surface of belt.
2. Measure between the inside surfaces of the slides and cut the support tube 1/4" [6mm] shorter than this dimension.
3. Place the support tube in the sockets and mark for the two bolts.
4. Drill the ends of the tube with a 9/16" [14mm] drill and bolt into place.

5. Adjust wiper up until even contact is made with belt but no pressure is applied.
6. To load the wiper, turn the adjusting assembly 20 turns and lock using nut "B."
7. Locate stop nuts "C" 1 3/4" [44mm] above slide to prevent the support from contacting the belt.
8. The wiper will now self adjust until the stop nuts are contacted, at which point it can be turned over and adjusted per steps 5 through 7.

**Figure 1: Dimensions**



CLEANER SIZE	"A" DIM.		CLEANER SIZE	"A" DIM.	
	MIN.	MAX.		MIN.	MAX.
12" [305mm]	15" [381mm]	35" [889mm]	36" [914mm]	39" [991mm]	59" [1499mm]
16" [406mm]	19" [483mm]	39" [991mm]	42" [1067mm]	45" [1143mm]	65" [1651mm]
18" [457mm]	21" [533mm]	41" [1041mm]	48" [1219mm]	51" [1295mm]	71" [1803mm]
20" [508mm]	23" [584mm]	43" [1092mm]	54" [1372mm]	57" [1448mm]	77" [1956mm]
24" [610mm]	27" [686mm]	47" [1194mm]	60" [1524mm]	63" [1600mm]	83" [2108mm]
30" [762mm]	33" [838mm]	53" [1346mm]	72" [1829mm]	75" [1905mm]	95" [2413mm]

(BW)=BELT WIDTH

ALL ANGLES ARE 2 1/2" x 2" x 1/4" [64 x 51 x 6 mm]

**Figure 2: Model LP-V "Quick-Change" "Vise-Grip" Blade Option (Top View)**

