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MODEL 99 HELICAL BRUSH-TYPE CONVEYOR BELT CLEANER

WARNING:

DEATH or SERIOUS INJURY may occur.

Before installing or adjusting, shut down and physically lock-out the conveyor system.

A QUICK CHANGE DISPOSABLE BRUSH HOUSING:

No more spending hours of valuable time trying to drive worn bristle strips out of a reusable housing. Through experience we have found that after a brush has been in service, not only is it extremely difficult to drive out the worn strip, many times the housing itself is damaged in the process. Difficulty also arises in trying to drive in the new replacement strips. (Even if the housing is undamaged.) Our disposable housing cuts replacement time, and costs much less.

Our brush comes completely assembled. Replacing worn bristles is easy. Heavy duty yet lightweight disposable brush housings are affixed to the reusable castings by six socket head screws. A typical brush takes no more than 10 minutes to replace.

SPECIFICATIONS:

Two precision extruded, corrosion resistant, aluminum brush sections are securely mounted to castings by socket head screws. Each complete brush unit contains twelve helical brush strips permanently mounted to the aluminum housing. Our standard brush has a 3" bristle trim length for a 10" O.D. brush. Brushes can be supplied in an 8" O.D. and up to 16" O.D. Bristle diameters are: 0.014", 0.028" and 0.040" for light, medium and heavy carryover. Grey iron castings have a 4" O.D. with 1 7/16" and 1 15/16" bore sizes. Two set screws on each casting securely hold brush housing to the shaft. (No special lock collars or keying required.)

INSTALLATION INFORMATION:

IMPORTANT: The MODEL 99 Brush Cleaner should be wired so that it will stop when the conveyor stops. Brush must not operate when belt is not in operation. Brush rotates against, or in opposition to, conveyor belt travel.

The MODEL 99 Brush Cleaner adjusts to fit any mounting condition. The "B" width shown adjusts to suit conveyor frame. **IMPORTANT** – For maximum cleaning effectiveness, mount hanger assembly so that the Brush Shaft will located on center line of Pulley Shaft.

The best cleaning action can be obtained if care is taken to see that the Brush contacts the belt at a point where the belt is free from vibration. For this reason, we recommend the head pulley centerline. If this is not practical, a return idler or back-up plate should be used. Brush should contact belt with the least amount of pressure required to clean the belt.

After mounting the "Take-Up" style side assemblies to conveyor frame, measure distance between the lower mounting brackets. Tube and rod cross members are furnished extra-long and are cut to proper length by customer at the job-site. Cross members are then secured by locking the threaded tightening rods in place. The lower mounting brackets could also be bolted or welded to a plate or conveyor frame attachment. The assembly is now securely mounted and needs only the simple installation of the Brush/Shaft assembly on the Pillow Block Bearings, and the Motor Drive Assembly. The Motor Drive Assembly can be mounted on either side for servicing. The Belt Guard mounts to the side frame to complete the Brush assembly.

BRUSH WIDTH	DIM. "A"	DIM. "B"		DIM. "C"	DIM. "D"	DIM. "E"	
		MAX.	MIN.			MAX.	MIN.
12"	1 7/16"	1'-3"	0'-9"	5 1/8"	12 3/8"	10 3/8"	4 3/8"
14"	1 7/16"	1'-4"	0'-10"	5 1/8"	12 3/8"	11 3/8"	5 3/8"
16"	1 7/16"	1'-5"	0'-11"	5 1/8"	12 3/8"	12 3/8"	6 3/8"
18"	1 7/16"	1'-6"	1'-0"	5 1/8"	12 3/8"	13 3/8"	7 3/8"
20"	1 7/8"	1'-7"	1'-1"	5 1/8"	13 3/4"	13"	7"
24"	1 7/8"	1'-9"	1'-3"	5 1/8"	13 3/4"	15"	9"
30"	1 7/8"	2'-0"	1'-6"	5 1/8"	13 3/4"	18"	12"
36"	1 7/8"	2'-3"	1'-9"	5 1/8"	13 3/4"	21"	15"
42"	1 7/8"	2'-6"	2'-0"	5 1/8"	13 3/4"	24"	18"
48"	2 1/4"	2'-9"	2'-3"	6 1/2"	15"	25 3/4"	19 3/4"
54"	2 1/4"	3'-0"	2'-6"	6 1/2"	15"	28 3/4"	22 3/4"
60"	2 1/4"	3'-3"	2'-9"	6 1/2"	15"	31 3/4"	25 3/4"
72"	2 1/4"	3'-9"	3'-3"	6 1/2"	15"	37 3/4"	31 3/4"

Figure 1: Helical Brush Assembly



Figure 2: Side Dimensions

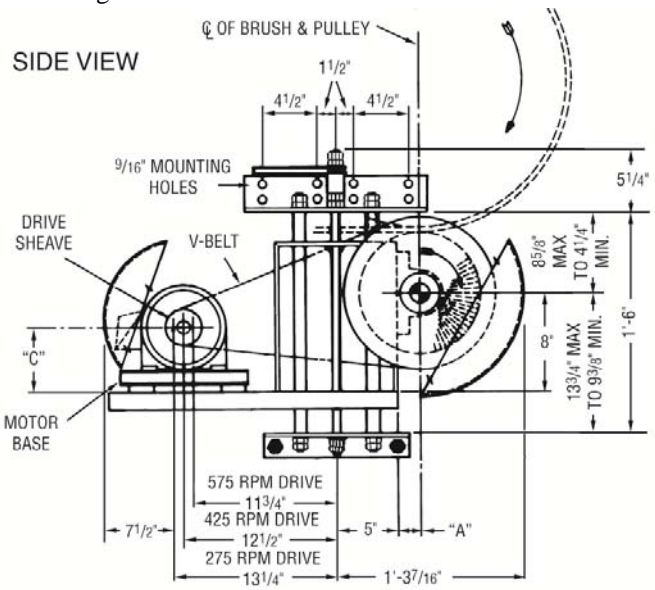


Figure 3: Front Dimensions

