

SUPER-G™

ACCUFLO™ Secondary Conveyor Belt Cleaning System



ARGONICS
ENGINEERED POLYURETHANE

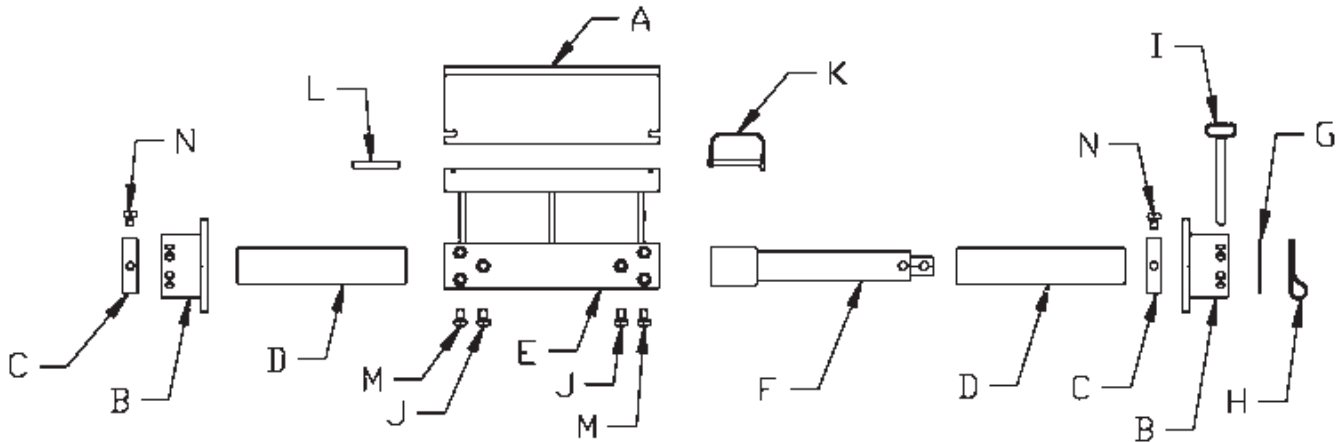
▲ WARNING ▲

Always obey all applicable safety rules. Be sure all power to the conveyor has been disconnected and controls are locked out.

Installation Tools Required

- Tape measure
- Cutting Torch or Hole Saw (3½")
- Level
- Scribe or Chalk
- Welder or Drill
- ½" End Wrench
- 1¼" End Wrench or Crescent Wrench

ASSEMBLY BREAKDOWN



Letter	Part Number	Qty.	Description
A	CP-SG-"xx"-G83	1	Raptor Blade
B	CP-AR-66D	2	Mounting Spool
C	CP-AR-231C	2	Set Collar
D	CP-AR-12B or CP-AR-22B	2 2	Stub End Extended Stub End
E	CP-SG-"xx" A	1	Mainframe
F	CP-AR-1250E or CP-AR-1950E	1* 1*	Perma-Torque Tensioner Perma-Torque Extended Tensioner
G	CP-AR-35F	1*	Retainer Washer
H	CP-AR-4125	1*	Self-Locking Twist Pin
I	CP-AR-5006	1*	Tension Pin
J	CP-AR-5125 S	2	Stainless Hex Set Screw ½" x 1¼"
K	CP-AR-225	1	Safety Snap Pin ⅜" x 2¼"
L	CP-AR-303	1	Spring Pin
M	CP-AR-5150 S	4	Stainless Hex Set Screw ½" x 1½"
N	CP-AR-5075 S	2	Stainless Hex Set Screw ½" x ¾"

* Systems 32" and above come standard with dual tensioners and require two (2) of each of the noted parts.

INSTALLATION

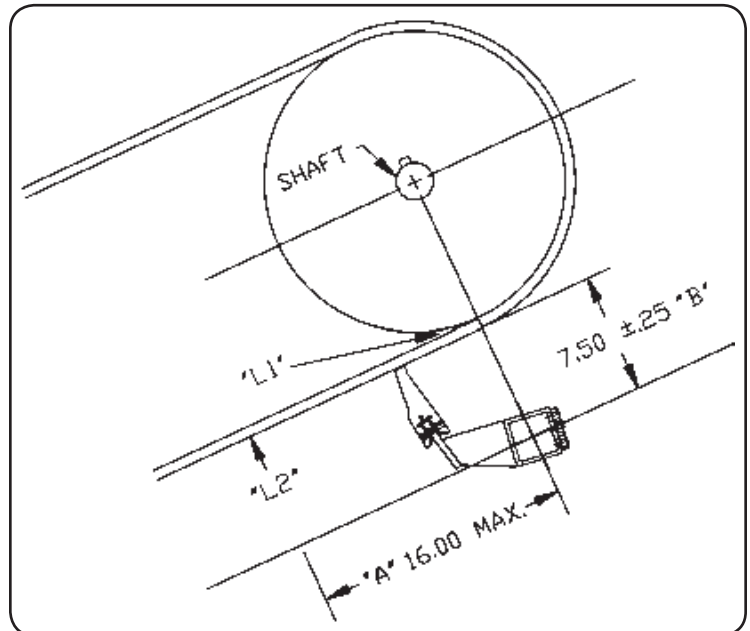
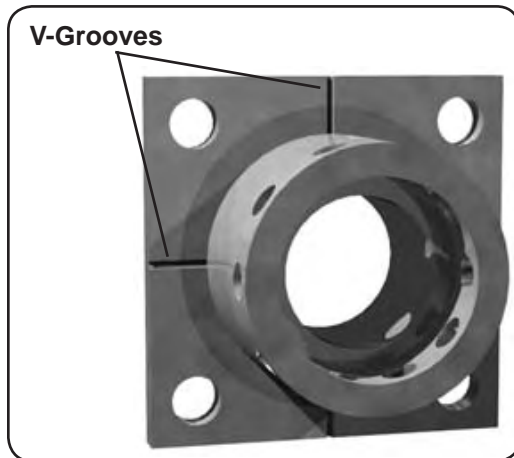
Step One: Layout

Place a level across the width of the belt, where the belt leaves the head pulley (L1) and make a mark on each side of the mounting structure wall. Repeat this process within the 16" maximum mounting area (A) shown in the illustration below. This will be your L2 mark. Now measure perpendicular to the belt $7\frac{1}{2}"$ (B) down from your marks and scribe a line between these two points. ***This line should be parallel with the belt and $7\frac{1}{2}" \pm \frac{1}{4}"$ down.*** The Super-G System can be mounted anywhere along this line. Make sure that both sides of the mounting structure wall are marked exactly the same.

The ideal location is directly below and perpendicular to the pulley shafts center (see illustration). If no structure is available at this location, metal will need to be added.

Step Two: Mounting

The Super-G System comes fully assembled. Remove the mounting spools from the system. The mounting spools are designed to be welded or bolted into position. Using a mounting spool as a template, line up the centering V-grooves machined into the flange of the mounting spool with the bisected lines on the mounting structure wall from Step 1 above.



Trace the inside diameter of the spool and the entire perimeter of the square flange to the mounting structure wall. Also, transfer the bolt hole pattern if you intend to bolt the system into place rather than weld. Repeat this process for the other side of the mounting structure.

Cut the center hole with approximately a $\frac{5}{8}"$ larger radius than the trace which was scribed on each side of the mounting structure (your hole should be approx. $3\frac{1}{2}"$ in diameter). ***NOTE: For Bolt In Only - Using the traces that you scribed for the mounting holes, drill four $\frac{13}{16}"$ diameter holes to accept $\frac{3}{4}"$ diameter grade 8 bolts.*** Place the mounting spool onto the side of the mounting structure wall. Use the scribed perimeter lines to line up the spool and then weld or bolt it into place. If welding, four stitch welds is sufficient on the flats of the mounting spool. Using a $\frac{1}{2}"$ end wrench, loosen the (3) square head set screws at each end of the mainframe. Remove the stub end pipes (and tensioner assembly) from the mainframe. Loosen the locking collar set screw and collapse unit as fully as possible. Lift the mainframe into position. Telescope the stub ends and slide tensioner assembly through the holes in the mounting structure. Temporarily install tension pin through mounting spool. Center the blade with the belt and snug the mainframe set screws to secure the stub ends. Snug locking collars to inside wall and cinch the set screw. Check for free rotation, minimal lateral movement of the assembly shaft, and consistent contact of the blade to the belt. Adjust if necessary, realign, and tighten all mainframe set screws.

▲ **WARNING** ▲

When tensioning be sure to keep body clear of the tensioner path.

Step Three: Tensioning

The Super-G System is provided with our exclusive adjustable elastomeric internal Perma-Torque Tensioner. The tensioner may be adjusted from a recommended minimum force of 25 foot pounds, to a maximum 80 foot pounds. Exceeding tensioning of 14 holes or 504° will damage the tensioner. Three holes or 108° is our standard setting, which is recommended for most applications. To tension, first remove the tensioning pin, then use a 1¼" end wrench on the exposed hex bar. Turn the tensioner towards the pulley. When you have reached the desired rating, replace the tensioning pin. The 5/8" diameter hole in the hex bar will be in line with the holes in the mounting spool and the hole in the tensioner. This helps to align the tensioning pin. You may optionally choose to use a crescent wrench, pipe wrench, large screwdriver or pry bar in place of the 1¼" end wrench. Super-G systems 32" and above are provided with two tensioners. You should tension both sides equally per these instructions.

Tensioning Guide		
No. of holes	Degrees	Foot Pounds
*3	108°	25
5	180°	30
6	216°	40
8	288°	45
10	360°	52
12	432°	60
14	504°	80

Do Not Overtension
* 108° is our standard which is recommended for most applications.

Installation is now complete.

Maintenance or retensioning should not be required throughout the life of the blade.

WARNING

Conveyor belt manufacturers do not recommend metal edged blades for cleaning any conveyor belt surfaces. Argonics concurs with this statement. However, due to demand and as a service to our customers, we do provide metal edged blades. Argonics offers no warranty or guarantee, nor accepts any liability with the use of a metal tipped blade on your belt.

Use at your own risk as severe belt damage can occur.