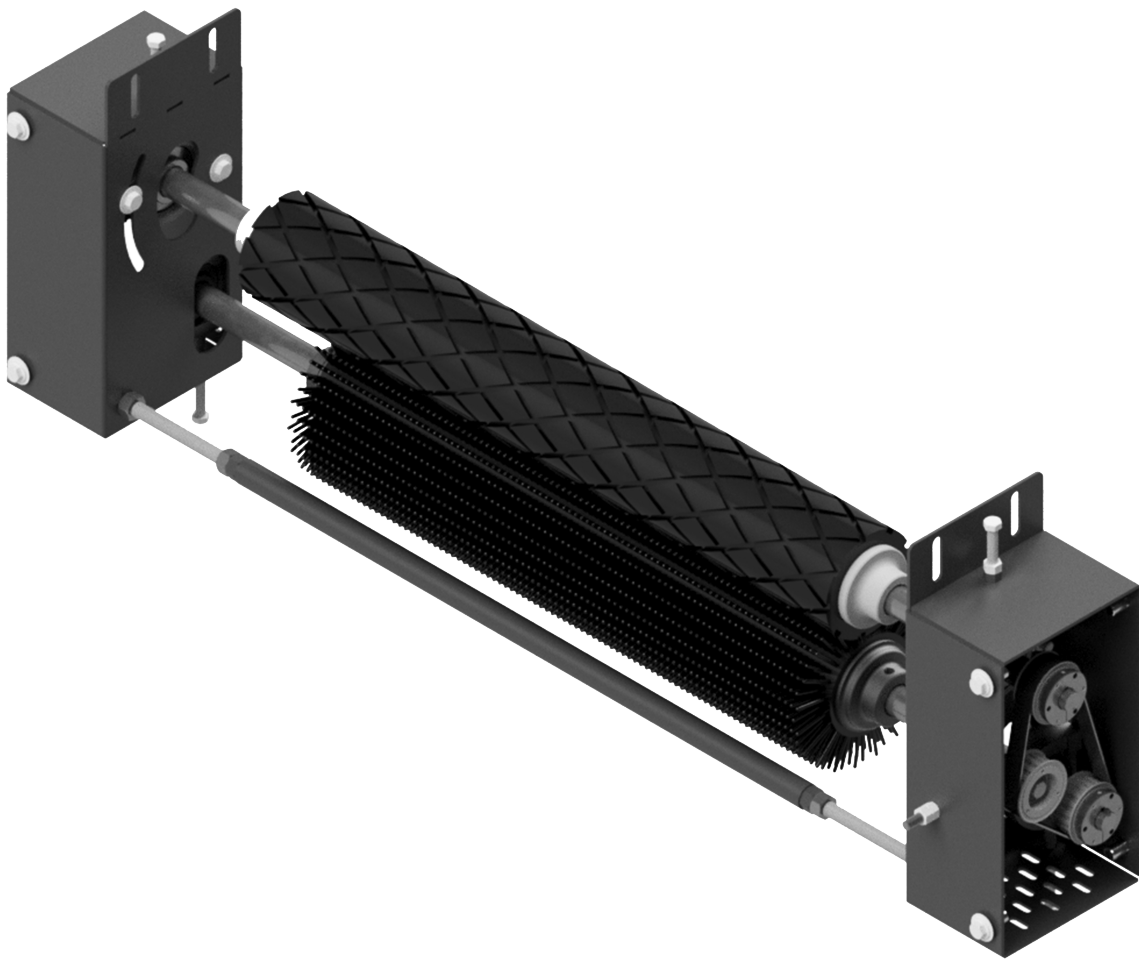




BRONCO™

SELF-DRIVEN BRUSH CLEANER

INSTALLATION, OPERATION & MAINTENANCE INSTRUCTIONS



Check us out at
www.asgco.com

Customer Service
800-344-4000



24 Hour Emergency
Service and Parts
610-821-0210

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730 Bangor Road
Nazareth, PA 18064
610-821-0216
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Important Safety Notice

Always observe the basic rules of safety when working with any conveyor system. To avoid injury and equipment damage, be sure that all controls to the conveyor are locked out and the power source is disconnected at all times during installation.

Installation Tools

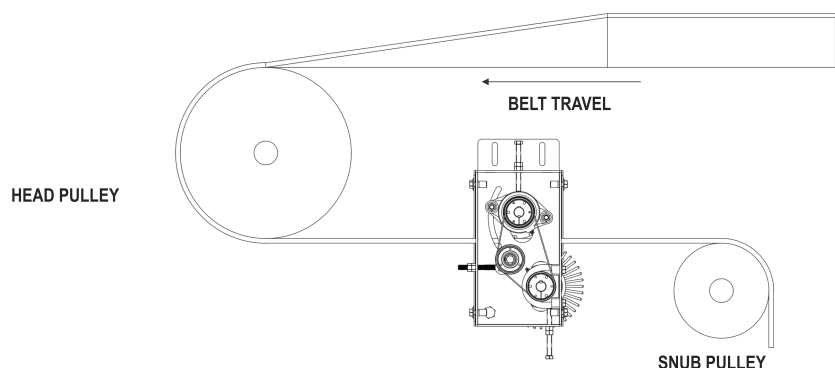
In addition to the items provided by ASGCO, the following will be needed to install the Bronco™ Self-Driven Brush Cleaner:

- | | |
|--|-----------------------|
| 1. Grinder | 5. Tape measure |
| 2. Drill with 9/16" bits | 6. Carpenter's square |
| 3. Cutting or burning equipment | 7. Straight edge |
| 4. Adjustable wrench, ratchet, sockets | 8. Allen wrench set |

Selecting a location for the cleaner

The Bronco™ Self-Driven Brush Cleaner assembly is designed to remove the fine carry-back material. When choosing a mounting location for the brush, it is important to consider the space available. The brush assembly should be mounted on any section of the belt that is flat and tight.

No minimum belt speed
to 700 FPM Max



Bronco™ Self-Driven Brush Cleaner mounted on flat section of belt

NOTE: *The center point of the last shaft must be at least 14" away from any pulley or idler that is mounted below the belt.*

It is also important that the mounting location is adequate to allow the material to fall back into the main discharge chute or a dribble chute. To ensure sufficient flow of the scraped material down the chute, an unlined chute should have at least a 75° angle (to the horizontal); and UHMW plastic lined chute should have at least a 65° angle (to the horizontal).

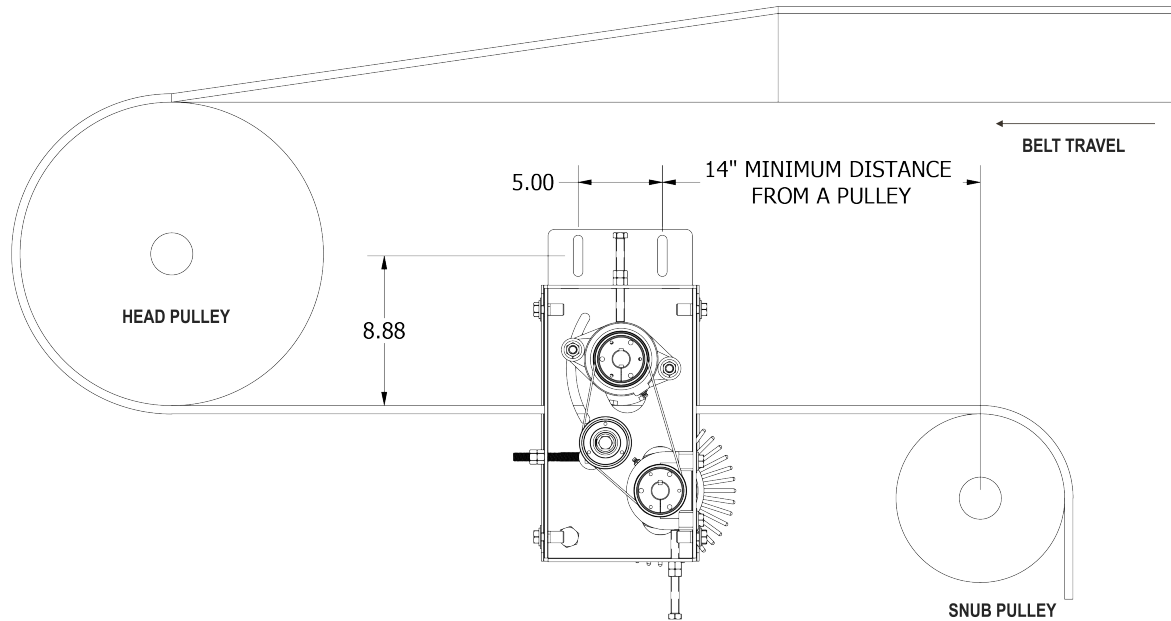
BELT TENSION REQUIREMENTS - Because of the unique design of the brush, the shafts must be mounted in a flat, tight area of the belt. The brush cannot operate to its maximum effectiveness on a belt that is loose or cupped.

FABRICATING MOUNTING PLATES - If a chute is not present in the desired mounting location, mounting plates can be fabricated to simulate the sides of the chute and provide a mounting base for the mounting brackets. These plates are made from 1/4" to 3/8" flat stock steel. Once a suitable mounting location has been chosen, the initial setup work can begin. Proceed as follows:

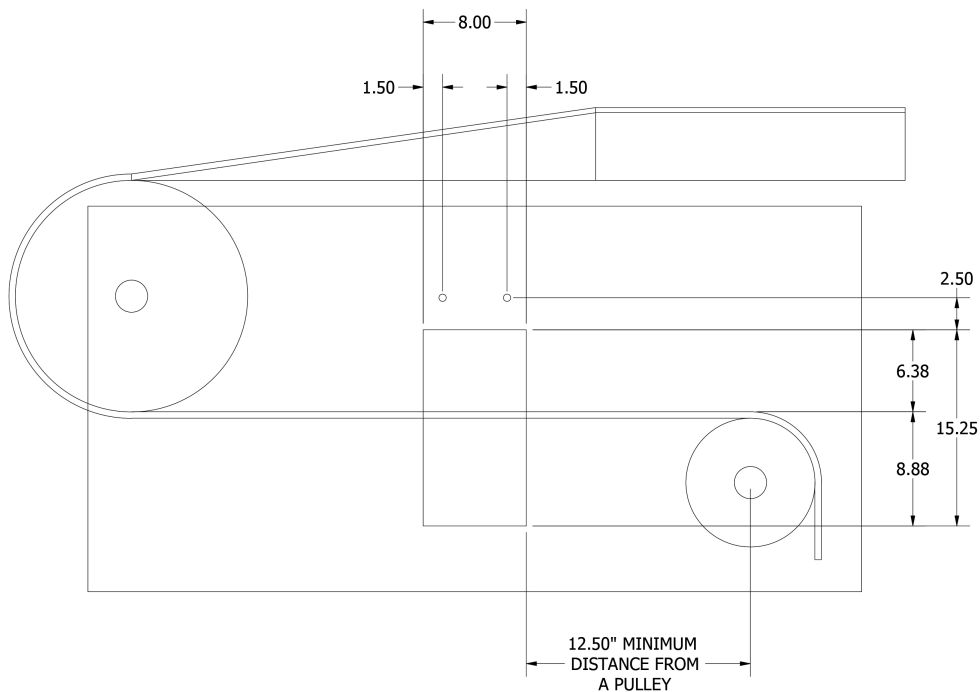
Initial Setup

1. Measure the distance to a point 8-7/8" up from (perpendicular to) the belt on the chute wall. Measure out 5" and mark (perpendicular to) the belt on the chute wall. Mark these two points as "X".
2. Transfer points "X" to the other side of the chute wall, making sure that the two marks are in the exact same location on both sides. These marks represent the location points of the mounting bracket bolt holes. Keep in mind that they must be at least 14" away from any pulleys or idlers mounted below the returning belt. **Please see illustration below.**

Bronco™ Brush Cleaner Setup Scale 1/3

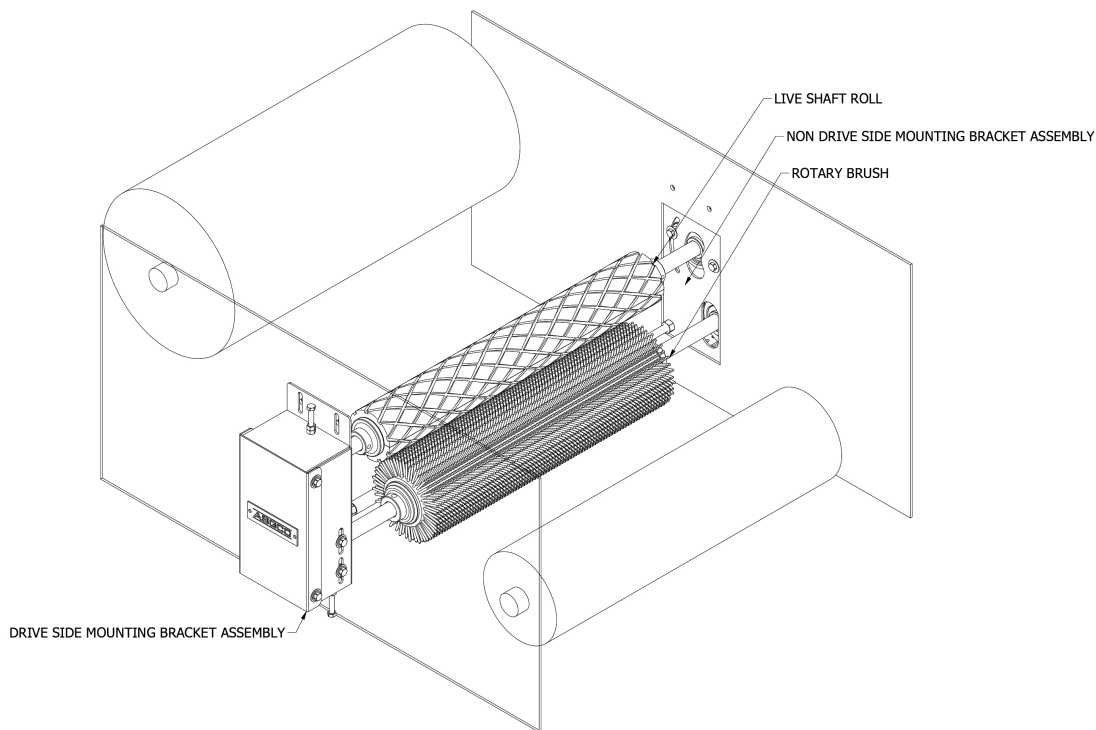


3. Burn or drill a 9/16" diameter hole at each of the "X" points on both chute walls.
4. Insert a 1/2" bolt and flat washer into each of the 9/16" diameter holes. Be sure to insert the bolts from the inside of the chute wall, then place a flat washer, lock washer, and nut on each bolt from the outside. Only hand tighten the nuts at this time.
5. The chute cutout is ready to begin. Using a torch or other cutting tool, all the cut-outs need to be made according to the illustration shown below. All dimensions are to be made off of the already installed bolts.



!WAIT FOR THE CUT OUTS TO COOL DOWN BEFORE PERFORMING THE FINAL STEPS!

1. Install the mounting bracket on each side of the chute walls. To do this, remove the nut & washer; slide the bracket into position, then snug up the hardware by hand tightening.
2. Do this to the other Bolt up mounting bracket.
3. From inside the chute, on an angle, slide the brush and live shaft roll through the openings.
4. Instal the pillow block bearings onto the ends of rotary brush shaft. Install the two bolts flange bearings onto the ends of the live shaft roll.
5. On the drive side of the cleaner, install the timing pulley and quick disconnect bushings in order to secure the drive components.



To adjust the brush to its proper cleaning pressure:

Use the supplied adjusting bolts to raise or lower the brush and live shaft roll.

Caution: over-adjustment of the brush fingers against the belt will result in premature wear and under-adjustment will result in poor cleaning action.

The starting distance should be 3½ inches from center of shaft to the conveyor belt.

When the Rotary Brush has been properly adjusted, tighten the two nuts with a wrench so that vibration during operation will not cause the adjustment to be altered.

Once the brush and live shaft roll are properly positioned, install the timing belt. Using the tensioner pulley, tension the belt so there is 1/64" deflection for every inch of belt span.

Ensure all hardware is fully secured before placing the mounting covers on each mounting bracket.

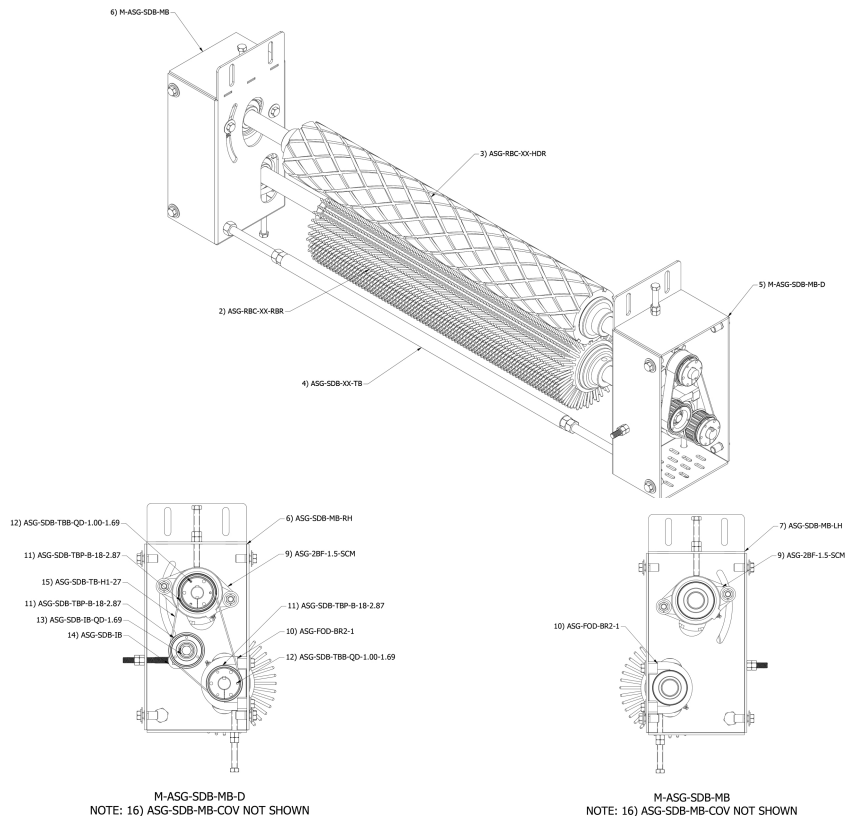
MAINTENANCE

- When used in a 24-hour operation, the Brush must be adjusted every four months.
- Grease the bearing periodically.
- Operation of the conveyor belt without material should be kept to a minimum.

Information

Key	Description	Part Number
1	M-ASG-RBC-XX-SD (XX = Belt Width)	Brush Cleaner (Self-Driven) System
2	ASG-RBC-XX-RBR (XX = Belt Width)	Rotary Brush
3	ASG-RBC-XX-HDR (XX = Belt Width)	Hold Down Roll
4	ASG-SDB-XX-TB (XX = Belt Width)	Torsion Bar
5	M-ASG-SDB-MB-D	Drive Side Mounting Bracket Assembly
6	M-ASG-SDB-MB	Non Drive Side Mounting Bracket Assembly
7	ASG-SDB-MB-RH	Right Hand Mounting Bracket
8	ASG-SDB-MB-LH	Left Hand Mounting Bracket
9	ASG-2BF-1.5-SCM	2 Bolt Flange Bearing with 1.5" Bore
10	ASG-FOD-BR2-1	Pillow Block Bearing with 1.5" Bore
11	ASG-SDB-TBP-B-18-2.87	Timing Pulley
12	ASG-SDB-TBB-QD-1.00-1.69	Timing Pulley QD Bushing
13	ASG-SDB-IB-QD-1.69	Timing Pulley Idler Bushing
14	ASG-SDB-IB	Idler Bracket
15	ASG-SDB-TB-H1-27	Drive Belt
16	ASG-SDB-MB-COV	Mounting Bracket Cover

COMPONENTS DIAGRAM



Call your ASGCO® Distributor for any questions or replacement parts. 1-800-344-4000