Arch Environmental Equipment, Inc.

Heavy Duty Saber Roller Return Belt Cleaner

INSTALLATION INSTRUCTIONS

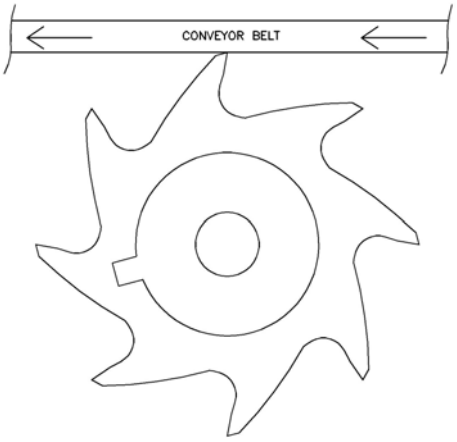
SHUT DOWN AND LOCKOUT CONVEYOR BEFORE PERFORMING ANY MAINTENANCE

Tips for selecting the mounting location of the Saber Roller:

- The Saber Roller will remove material from the belt causing a pile of debris below the installation point. Ensure cleanup equipment can have free access to the debris pile.
- Pillow Block bearings supplied with the Saber Roller provide approximately 1 7/8" drop from the mounting flange. Ensure that is adequate for the installation point. Installer may need to provide shims to ensure Saber Roller height is within ¼" of existing return roller heights.
- **DO NOT** install in close proximity of existing winged pulleys or beater style rollers. Belt should run smooth over the Saber Roller.

STEP 1

On the exiting return rollers, measure the drop distance from the mounting flange to the center of the roller and record that measurement for later use. If an existing return roller is mounted in the location where the Saber Roller will be installed, remove it now.



STEP 2

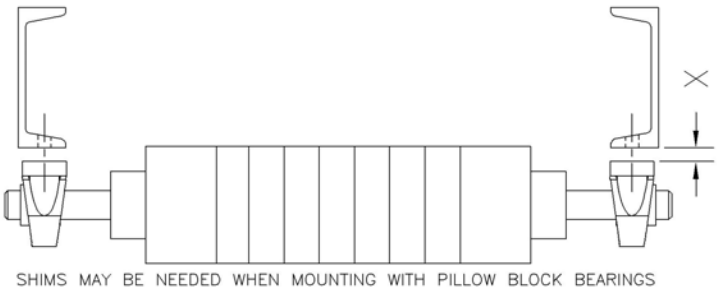
After the old idler is removed, check the mounting hole spacing to ensure this spacing will be adequate for the pillow block bearing. Additional mounting holes or slotting exiting holes may be required by installer.

STEP 3

If not already completed, slide pillow block bearings onto each end the Saber Roller Shaft. Emery cloth or other mild abrasive may be required to remove surface debris in order for bearing to slide on shaft. .

STEP 4

Measure the distance from the center of the Saber Roller shaft to the mounting flange on the pillow block bearing. Subtract this measurement from the measurement taken in step 1. This will be the shim required between the pillow block and the conveyor structure (Dimension "X"). Installer will need to fabricate this shim height to within ¼" of the calculated figure.



STEP 5

Once mounted, ensure the Saber Roller is level and square to the belt and is making full contact across the belt face. If full contact is not being achieved the removal of an existing return roll before or after the Saber Roller may be required.

STEP 6

Test run the conveyor to ensure the belt is not excessively hopping or bounding on the roller as it will prematurely wear the shaft and bearings. Consult the factory for additional help or recommendations.

NOTE: The Saber Roller is just as effective on reversing belts

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