

Arch Environmental Equipment, Inc.

Standard 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..
- Brackets supplied with the Saber Roller provide a 4 ½” drop from the mounting flange. Ensure that is adequate for the installation point.
- **DO NOT** install in close proximity of existing winged pulleys or beater style rollers. Belt should run smooth over the Saber Roller.

STEP 1

Once the installation location for the Saber Roller is determined, the existing return idler must be removed if present.



STEP 2

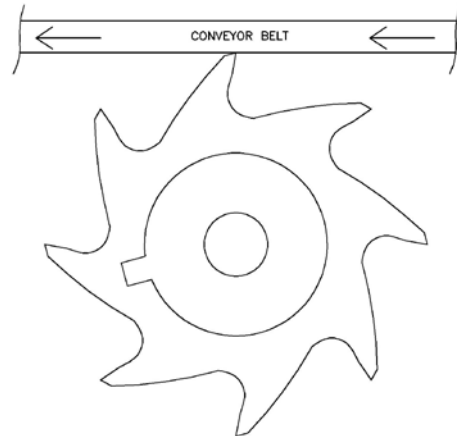
After the old idler is removed, mount the hanger brackets. Ensure they are square to the structure and aligned with one another. The Saber Roller should be square to the belt to ensure it does not affect belt alignment.

STEP 3

Install the Saber Roller in the drop brackets. Install the Saber Roller so that cleaning tips are engaging the belt surface at an aggressive angle (see drawing). It may be necessary to raise the belt in order get the clearance required for the shaft end to slip into the slot on the bracket.

STEP 4

VERY IMPORTANT.. shaft retainer clips must be installed on the drop bracket. Failure to install these crucial parts will result in premature shaft wear and failure. If available, tack welding the clips to the bracket is acceptable.



STEP 5

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 and check the Saber Roller to ensure it is not bouncing or hopping in the drop bracket. If this is occurring, ensure the shaft retainer clips are installed properly. Also ensure the belt is not excessively hopping or bounding on the roller as it will prematurely wear the shaft. Consult the factory for additional help or recommendations.

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

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