Pin Latch Secondary Belt Cleaner

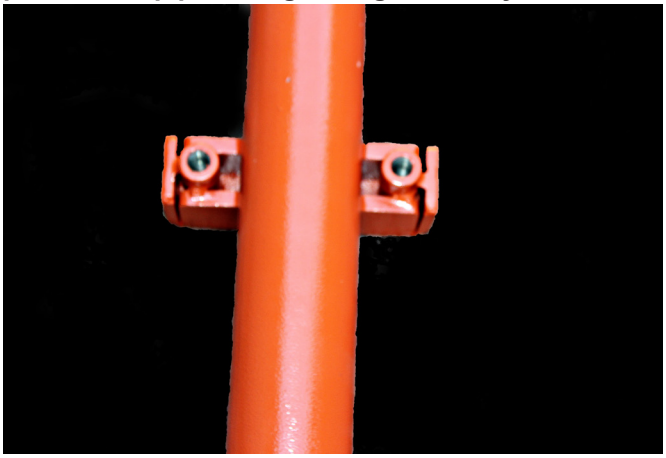
You need the following tools for installation:

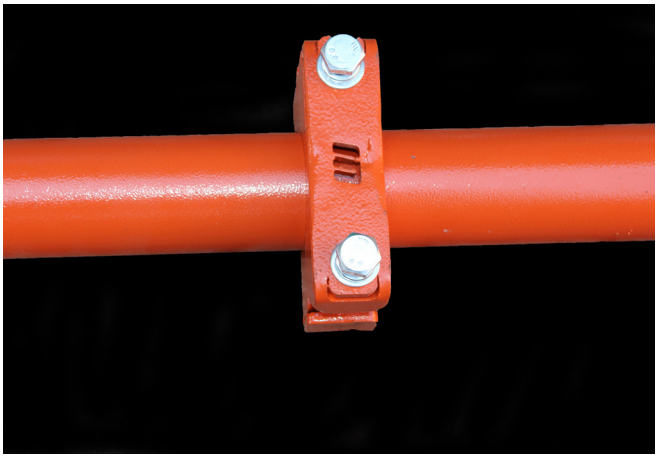
- Cutting torch (Possibly if not available on the site)
- Angle grinder (Possibly if not available on site)
- Boilermaker square
- Boilermaker chalk
- Hydraulic punch or magnetic drill
- Tape measure.
- 2 x 19mm ring flat.
- 2 x 17mm ring flat
- 1 x ratchet spanner
- 1 x 19mm socket
- 1 x 17mm socket

PLEASE ENSURE THAT YOU ARE WEARING THE NECESSARY PPE BEFORE ATTEMPTING INSTALLATION

STEP 1:

STEP 2: The scraper should be removed from packaging and moved to a level surface (concrete slab, conveyor platform or walkway) where assembly can be performed safely. Clamp both ends of the pipe to prevent the pipe rolling during assembly.





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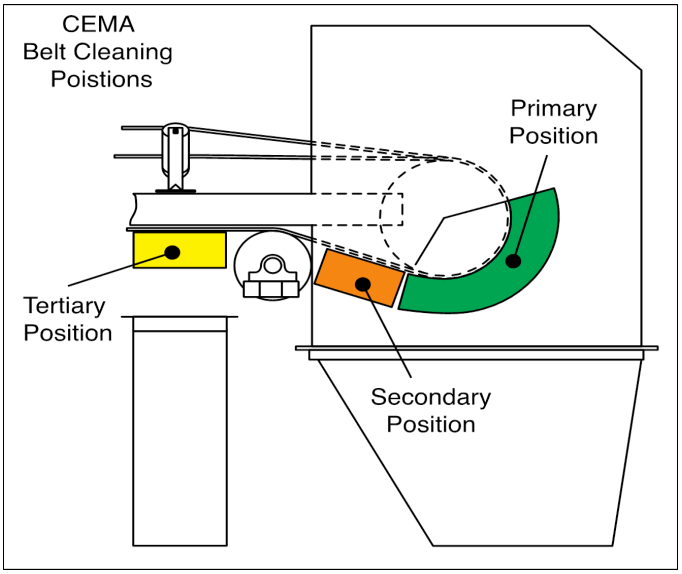
STEP 3: Attach the buffer clamp to the pipe, this serves two functions.

STEP 4: Secure the blades in the correct position and to align blades at the correct tension.

STEP 5: Place the rubber buffer/ blade combination onto the slotted section of pipe and insert the latching pin that is provided to secure them.

STEP 6: As recommended by CEMA the secondary scraper is most effective when positioned as close as possible to where the belt exits the head pulley. If possible within 50mm of this would be the ideal position. If the scrapers are to be installed on a closed chute application then you would need to make a cut out of minimum 150mm x 300mm, if using a double scraper remember to measure the distance of both pipes and the distance of the bracket being used.



On an open chute application position the bracket as illustrated on the structure. The first scraper should be within 50mm of where the belt exits the head pulley. Attached the support pipe on the bracket and tighten the half clamp bolts. When using the support pipe it is necessary to cut the pipe in order for it to be in the correct position on the belt

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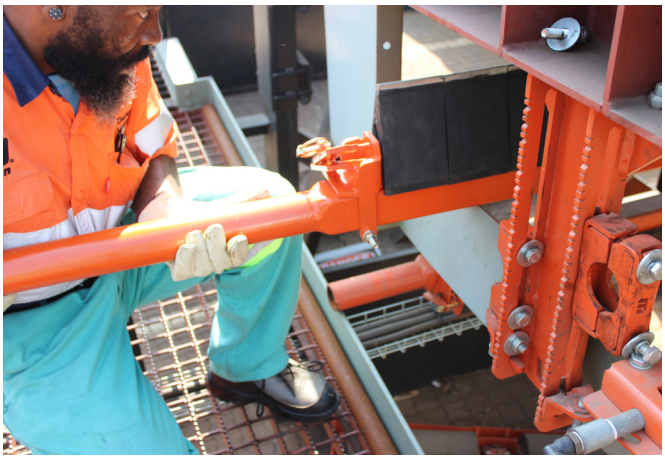
STEP 7: The scraper is now ready for installation. Ensure that the flat side of the buffers are facing toward the head pulley. The direction from which the belt is coming.

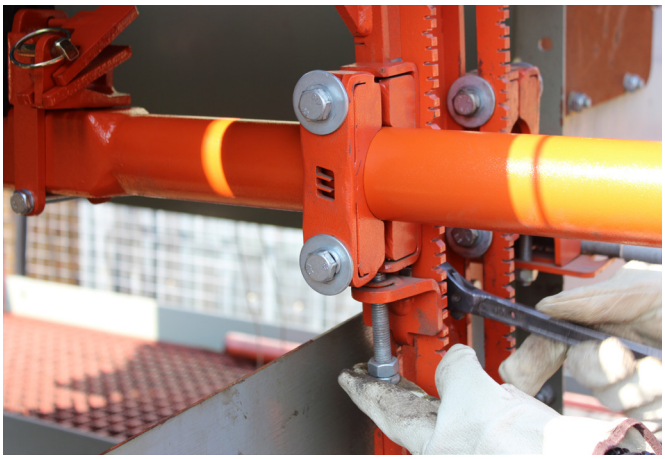


STEP 8: Place the half clamps over the scraper and tighten the bolts. The angle of the blades should ensure that when moved against the belt that they do so at 90 degrees.

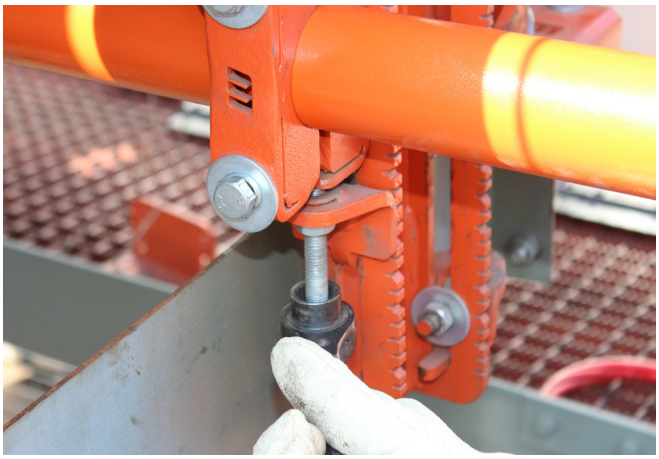
STEP 9: Raise the scraper to the belt so that all blades are just touching the belt. The blades must be at 90 degrees to the belt.

STEP 10: Fasten one of the half clamp bolts on either side to hold the scraper in place.

STEP 11: Install the adjusting block onto the bracket. Ensure that the adjusting bolt is flush with the surface that will mate with the clamp. Fasten the adjusting block.



STEP 12: Loosen the bolts on the half clamp that were tightened earlier in order to secure the scraper.
The adjusting bolt must now be turned 2 to 3 turns to raise the scraper and to achieve the correct tension to the belt.



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STEP 13: The lock nut on the adjusting bolt must now be fastened. All the bolts and nuts on the half clamps must now be fastened.

STEP 14: Ensure that the blades have a negative angle of attack.

Frequently Asked Questions (FAQ):

- **What belt sizes?** All
- **Will it work on a reversible belt?** No
- **Will it work on a belt speed of 5m/s?**
- **Will it work on clip joints?** Yes but you need to use the sandwich type blade

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