Martin® High Speed Impact Cradle

You need following tools for installation:

- Hydraulic punch or magnetic drill press
- 19mm ring flat
- Ratchet and 19mm sockets
- Boilermaker square
- Tape measure
- Boilermaker chalk
- Rubber mallet or hammer

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

STEP 1: Identify the impact area and measure to ensure that the high speed impact cradle can be installed and is not obstructed by the structure or other system components. Ensure that the cradle is able to be accessed for maintenance after installation.

STEP 2: Disassemble the cradle to allow for safe installation.

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STEP 3: Remove the bracket to allow bolt holes to be marked on structures.

STEP 4: The lower weldment must be perpendicular to the structures and belt path. It must be centred in the middle of the structures.

STEP 5: Mark all the fixing centres of the weldment. The structures must be cleaned of ant debris to ensure proper fixing of the unit.

STEP 6: Punch or drill all the required boltholes.

STEP 7: Tighten all the bolts and nuts. It is essential that the weldment be securely fastened and that all faces of the weldment meet completely with the structures.

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STEP 8: Lower the upper weldment onto the lower weldment and ensure that it is seated correctly.

STEP 9: Push the centre idler frames onto the upper weldment.

STEP 10: Use the outer wing frame to place the centre frames in the correct position.

STEP 11: Secure all the idler retainers to the frame as illustrated and tighten all the bolts. Ensure to tighten retainers on both sides of the frame.

STEP 12: Before inserting the wing roller frames ensure that the idler retaining bracket has been installed and tightened.

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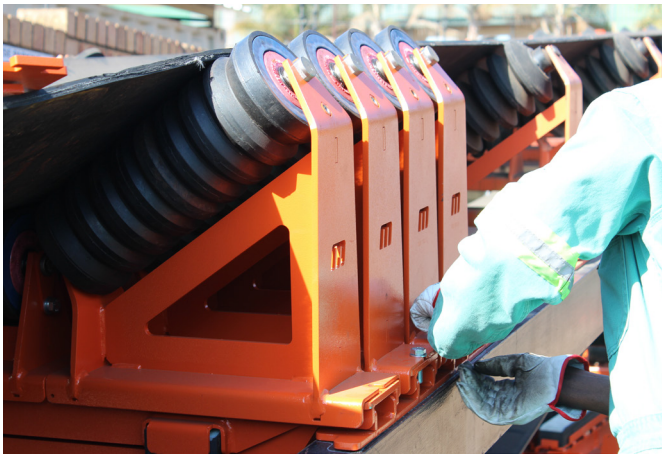
STEP 13: Slide all wing rollers onto the frame, insert all the required bolts and nuts but do not tighten completely



STEP 14: Place the idler retaining bracket over the idlers as illustrated and after inserting the bolts tighten completely.

STEP 17: The bolts securing the wing roller frames must now be tightened completely.

STEP 16: The centre rollers must be in contact with the empty belt, the wing rollers should have a gap of approximately 10 – 13mm between the idler and belt.

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Frequently Asked Questions

- **On what stringer structures will a HSIC fit?** Standard channel stringers conforming to SANS

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