martin®

Martin® MRT (Martin Roller Tracker)

You need following tools for installation:

• M12 Punch/13dia Drill
• 2x 19mm Wrenches
• Tape measure

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

STEP 1:
When ordering MRT you will receive following:
1x Main unit
1x Bracket set
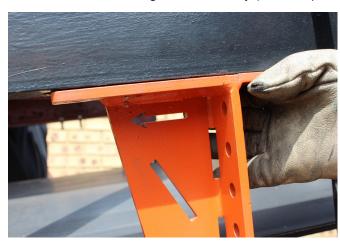2x U Bolts
Various other required nuts and bolts

STEP 2:
Remove return belt idler where MRT is to be installed Remove idler brackets.

STEP 3:
If neccesary mark new holes to be punched and punch or drill new holes.

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STEP 4:
Ensure brackets is facing the correct way (arrow to point in the direction of the return belt).

STEP 5:
After holes have been punched, fasten brackets using M12 bolts & nuts provided.

STEP 6:
Set height of MRT approximately 5mm higher than the removed return idler.
Ensure MRT is in the center of the stringer (use stringer as guide and NOT the belt).

STEP 7:
Place U bolt into holes on either side.

STEP 8:
Loosly fasten the MRT using the U-bolts equally on both brakcets.

STEP 9:
Rotate central shaft of MRT so the machined flats on the shaft are parrallel with indicator on bracket (approximately 30 degrees towards the direction of the return belt).

30º

STEP 10:
Securely fasten all bolts, nuts and U-bolts.
Ensure good housekeeping at all time throughout installation.

Frequently Asked Questions (FAQ):

• **Is the MRT serviceable?** No

• **What belt sizes?** 500 – 1500 belt width

• **Will it work on a reversible belt?** Yes, but install the tracker machined flats in a horizontal position.

• **Will it work on a belt speed of 5m/s?** Yes. High quality bearings ensure safe working speeds.

• **Can it fit in normal return Idler frames?** No. replacement MRT brackets are supplied with each unit.

• **Will it work on clip joints?** Yes. The large diameter of the MRT ensure safe operation with all mechanical splices.

• **How will it work if you got trough return frames?** No not effectively.

• **What tension should it be to the conveyor?** 5mm higher than the return idler.

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