

## 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:

Mark new holes to be punched and punch or drill new holes.



# INSTALLATION PROCEDURE

## 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).



# INSTALLATION PROCEDURE

## STEP 7:

Place U bolt into holes on either side.



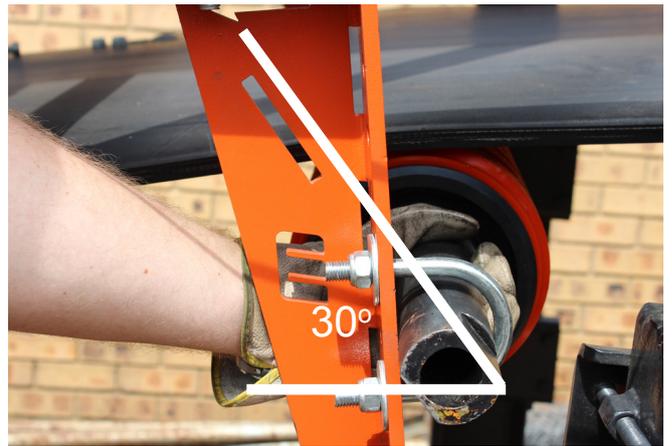
## STEP 8:

Loosely fasten the MRT using the U-bolts equally on both brackets.



## STEP 9:

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



## 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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