

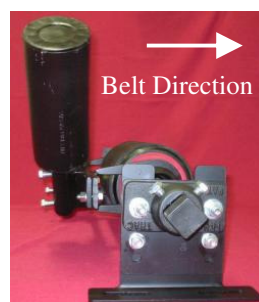
Tru-Trac Trough Tracker (New Design)

Installation Instructions



1. After identifying the problem area on the load-carrying side of the belt, prepare to install the Tru-Trac Trough Tracker at or just before the problem area, ensuring that it is installed before transitional idlers and after loading chutes.
2. **WARNING:** Before proceeding with the installation, ensure the conveyor power is switched off and locked-out to avoid accidental start-up during the installation.
3. Remove a standard troughing idler frame where the Tru Trac Trough tracker is to be installed.
4. Remove the wing rollers from the Tru-Trac Trough Tracker.

5. **Very important:** Ensure the Tru-Trac Trough Tracker is installed in the correct direction. The wing rollers once installed must touch the oncoming conveyor belt first.



6. Fit the Tru-Trac Trough Tracker on the structure. Partially tighten the mounting bolts for the L-shaped brackets. Knock both brackets fully forwards or backward to ensure the L-shaped brackets are perpendicular to the structure. Once completed, tighten all bolts.
7. Adjust the height of the Tru-Trac Trough Tracker by loosening the height adjustment bolts and moving it up or down one hole at a time until there is sufficient tension between the belt and the centre roll. This may result in the Tru Trac trough tracker being slightly higher than the existing standard idlers. Sufficient tension is achieved when the centre roll is manually pushed backwards and forwards and the movement is reasonably stiff. If it moves easily backwards and forwards, there is not enough tension
8. Ensure the Tru-Trac Trough Tracker is centred on the structure, by adjusting it until the distance between the mounting bracket and the end of the protruding square tubing are equal on both sides, then tighten the retaining bolts
9. Before inserting the wing rollers, align the sliding brackets perpendicular and to the outer edge of the flat bar. Tighten the inside bolts completely but partially tighten the outside bolts, thus allowing the sliding bracket to swivel. Insert the wing rollers into the bracket ensuring the end of the shaft is flush with the bottom of the bush and the wing rollers clear the flat bar by +/- 10mm, thus allowing the rollers to rotate freely.
10. Swivel the wing rollers upwards until only approximately 100mm of the wing roller is touching the top outer section of the unloaded belt. **IMPORTANT:** Do not swivel the wing rollers excessively upwards or they will start to lift the belt off the centre roll.
11. Recheck the tension between the belt and the centre roll. If you are satisfied with the amount of tension, tighten the height adjustment bolts, otherwise adjust until sufficient tension is achieved.
12. Ensure the angle of the wing rollers is similar on both sides. Then swivel the roller on the misaligned side of the belt slightly higher and drop the opposite wing roller by the same amount.
13. The distance between the end of the flat bar and the sliding brackets, should be the same on both sides.
14. Finally, tighten all bolts
15. Before starting up the conveyor do a manual test.
 - Move the wing rollers backwards and forwards to ensure that both wing rollers remain in contact with the belt throughout the motion, the wing roller on the opposite side should lose some tension against the belt during the motion. If not, adjust the sliding bracket accordingly until the correct contact is achieved.

16. Installation is now complete. Remove all tools from the work area and start the conveyor. The Tru-Trac Trough Tracker should immediately activate and centre the belt.

Caution – Danger! Take care. Do not attempt this procedure if it conflicts with any safety regulations.

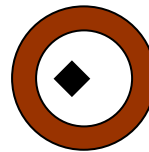
17. Manually test the Tru-Trac Trough tracker by pushing the outside of the tracker fully in one direction with a blunt object and then releasing it. The Tru-Trac Trough tracker should automatically centre the belt. Repeat this test by pushing the outside of the Tru-Trac fully in the opposite direction. If installed correctly, it should centralise the belt from both sides.

Troubleshooting

18. If the belt is still misaligning to the same side. STOP the belt. Swivel the roller on the misaligned side slightly higher and lower the opposite roll. Tighten the bolts. Restart the belt and re-test.
19. If the belt is now misaligning to the opposite side. STOP the belt. Then swivel the roller on the misaligned side slightly higher. Do not adjust the opposite roller. Tighten the bolts. Restart the belt and re-test.
20. If the problem still persists, adjust the existing standard trough idler frames perpendicular to the structure before and after the Tru-Trac Trough.
21. Remove any other tracking devices in front of or behind the Tru-Trac Trough, as they will reduce or interfere with the performance of the Tru-Trac.
22. If you have a 45° troughing angle on the belt, you will also need to adjust the sliding brackets on the flat bar inwards, in order to achieve ideal contact on the wing rollers

23. **Important for Severely Misaligned Belts**
After installation, if the tracker remains kicked in to one side or does not centralise the belt enough move the L-shaped brackets forwards or backwards, depending on direction of misalignment, until the shaft is in the centre of the inner tube, to ensure equal movement to both sides.

WRONG



RIGHT

