

Tru-Trac Trough Tracker – Medium & Heavy Duty

Installation Instructions

1. After identifying the problem area on the load-carrying side of the belt, looking particularly for the high spot, 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. Remove a standard troughing frame at the problem area. Remove the wing roll assembly from the Trough Tracker.
3. Bolt L-shaped bracket on to structure. Before tightening, ensure both brackets are knocked fully forwards or backward to ensure the L-shaped brackets are perpendicular to the structure and lined up exactly opposite each other. Once completed, tighten all bolts.
4. Slide the Rectangular-shaped bracket on to either end of the shaft, with fixing bolts facing upwards.
5. Lift up Tru-Trac Trough and bolt the Rectangular-shaped bracket on to the L-shaped bracket, ensuring that the corresponding set of holes are used.
6. **Very important:** Ensure the Tru-Trac Trough is installed in the correct direction. The wing rolls must touch the oncoming conveyor belt first.
7. Set the space between the bracket and Tru-Trac evenly. Distance "B" must be the same.
8. Before you tighten the Tru-Trac Trough height adjustment bolts to the L-shaped brackets, ensure that it has got sufficient tension by pushing it backwards and forwards. It should be quite stiff and tight.
9. If it moves easily backwards and forwards, there is not enough tension.
10. Loosen the height adjustment bolts and move it upward one hole on the L-shaped bracket. Recheck tension, if tension is insufficient move up another hole until sufficient tension is achieved. Once you're satisfied with amount of tension, tighten Tru-Trac Trough height adjustment bolts.
11. Install the Tru-Trac Trough slightly higher than the normal existing idlers to ensure good traction.
12. Slide the wing roll assembly into the arms on the Tru-Trac Trough. On the side the belt is running off centre, set the wing roll to touch the belt. Set the other wing roll to miss the belt by 20 to 40mm, depending on how far the belt is running off centre. Tighten bolts on Tru-Trac Trough arms.
13. Start the conveyor belt, and wait until the Tru-Trac Trough has centralised that section of belt.
14. Once the Tru-Trac Trough has centralised the problem area of belt, stop the conveyor belt
15. Loosen the bolts on Tru-Trac Trough arms. Adjust both wing rolls to miss the edges of the conveyor belt by +/-10 millimetres on each side. The height of the wing rolls can be adjusted if necessary.
16. Finally, tighten the bolts on the Tru-Trac Trough arms.
17. Installation is now complete, start the conveyor belt to test the Tru-Trac Trough Tracker.

Caution – Danger! Take care.

18. Test that the Tru-Trac Trough tracks the belt from both sides. Using a blunt object, manually de-track the belt by pushing the outside of the Tru-Trac Trough fully in one direction. When you release it, ...
19. ... The Tru-Trac Trough should automatically centre the belt. Repeat this test by pushing the outside of the Tru-Trac Trough fully in the opposite direction. If installed correctly, it should centralise the belt from both sides.
20. If sufficient belt alignment is not achieved, increase the Tension.
21. If the problem still persists, knock the existing standard trough frames perpendicular to the structure before and after the Tru-Trac Trough.
22. 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.