Installation - Flat Low Speed Tracker

Above the belt

1. After identifying the problem area, prepare to install the Tru-Trac® at approximately three times the width of the belt before the problem area.

2. Remove the existing idler and brackets, or V-Return frame.

3. Remove the two steering rollers /bobbin rolls.

4. 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.

5. Push the belt down with the Tru-Trac®. Slide the Rectangular-shaped bracket on to either end of the shaft, with fixing bolts facing downwards 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® is installed in the correct direction. The two steering rollers / bobbin rolls must touch the oncoming conveyor belt first.

7. **Very important***:* Ensure that the Tru-Trac® vertical axle which is indicated by the shaft end flats, is positioned at 90 degrees, leaning in the direction of belt travel.

8. Make sure that the Tru-Trac® has got enough tension, by pushing it backwards and forwards. It should be quite difficult to move.

9. If the Tru-Trac® moves easily backwards and forwards, there is insufficient tension.

10. Loosen the Rectangular-shaped bracket and move it downwards one hole on the L-shaped bracket. Recheck the tension. If it is still insufficient, move down another hole until you achieve sufficient tension

11. Re-check that the shaft end flats are set at 90 degrees or slightly forwards in the direction of the belt travel. Finally, tighten the fixing bolts on the Rectangular-shaped bracket on to the shaft.

12. Install the two steering rollers /bobbin rolls to miss the edges of the conveyor belt by +/-5 millimetres on each side. The height of the bobbin rolls can be adjusted if necessary so the belt runs in the middle of the bobbin rolls.

Caution — Danger! Take care

13. Installation is now complete. Start the conveyor belt to test the Tru-Trac® Low Speed Tracker.

14. Test that the Tru-Trac® tracks the belt from both sides. Using a blunt object, manually de-track the belt by pushing the outside of the Tru-Trac® fully in one direction. When you release it, …

15. …The Tru-Trac® should automatically centre the belt. Repeat this test by pushing the outside of Tru-Trac® fully in the opposite direction. If installed correctly, it should centralise the belt from both sides

16. If the Tru-Trac® remains kicked in on any one side, increase the amount of tension. If the problem persists, knock existing idler brackets or frames before and after the Tru-Trac®, perpendicular and horizontally aligned to the conveyor structure.

17. **Note**: If you require to increase the distance between the belt and the bar to prevent the belt from running underneath bobbin rolls, the angle iron bar into which the bobbin rolls are installed can swivel up or down,. Just loosen the grub screws on the outside of the outer tube with a 6 mm Allen-Key, swivel to the correct position and retighten.

Installation - Flat Low Speed Tracker

Underneath the belt

1. After identifying the problem area, prepare to install Tru-Trac® at approximately three times the width of the belt before the problem area.

2. Use slings or chain blocks to lift the conveyor belt at the point of installation.

3. Remove the existing idler and brackets, or V-Return frame.

4. Remove the two steering rollers /bobbin rolls.

5. Lift up the Tru-Trac® into position under belt and bolt angle iron brackets to the stringer.

6. **Very important***:* Ensure the Tru-Trac® is installed in the correct direction. The two steering rollers / bobbin rolls must touch the oncoming conveyor belt first.

7. Before tightening, make certain both brackets are knocked fully forwards or backward to ensure the brackets are perpendicular to the structure and lined up exactly opposite each other. Once completed, tighten all bolts.

8. With the slings or chain blocks, lower the belt on to the Tru-Trac®

9. **Very important***:* Ensure that the Tru-Trac® internal vertical axle (which is indicated by swinging the Tru-Trac® from side to side) is positioned at 90 degrees, leaning in the direction of belt travel

10. Make sure that the Tru-Trac® has got enough tension, by pushing it backwards and forwards. It should be quite difficult to move.

11. If the Tru-Trac® moves easily backwards and forwards, there is insufficient tension.

12. Use spacers between the Tru-Trac® and the stinger to increase the tension. Recheck the tension. If it is still insufficient, use additional spacers until you achieve sufficient tension.

Caution — Danger! Take care

13. Start the conveyor belt and then manually steer the belt to the center of the Tru-Trac® ,using a blunt object pushing on the outside of the Tru-Trac®

14. Stop the belt and install the two steering rollers / bobbin rolls to miss the belt by between 2 and 5 mm on either side.

15. If the belt tends to go in under the bobbins loosen the grub screws on the outside of the outer tube with a 6 mm Allen key and tilt the whole steering rack so the belt runs in the middle of the bobbin rolls

16. Installation is now complete. Start the conveyor belt to test the Tru-Trac® Low Speed Tracker.

17. Test that the Tru-Trac® tracks the belt from both sides. Using a blunt object, manually de-track the belt by pushing the outside of the Tru-Trac® fully in one direction. When you release it, …

18. …The Tru-Trac® should automatically centre the belt. Repeat this test by pushing the outside of Tru-Trac® fully in the opposite direction. If installed correctly, it should centralise the belt from both sides

19. If the Tru-Trac® remains kicked in on any one side, increase the amount of tension. If the problem persists, knock existing idler brackets or frames before and after the Tru-Trac®, perpendicular and horizontally aligned to the conveyor structure.

18. **Note**: If you require to increase the distance between the belt and the bar to prevent the belt from running underneath bobbin rolls, the angle iron bar into which the bobbin rolls are installed can swivel up or down,. Just loosen the grub screws on the outside of the outer tube with a 6 mm Allen-Key, swivel to the correct position and retighten.