

Technical Bulletin 526

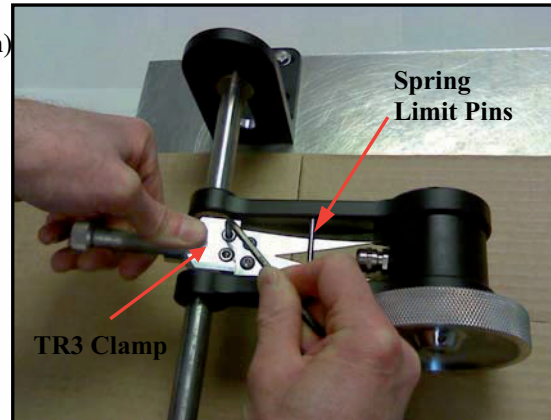
TR3 - Tru-Trac Installation Guide

Installation:

- 1) Slide TR3 over a fixed $\text{Ø}5/8"$ ($\text{Ø}15.8\text{mm} +0/-0.12\text{mm}$) shaft. The optional TR3 Mounting Bracket (#176389-01) is shown in the picture.
- 2) While rotating the TR3 clamp to apply a spring load, securely tighten the two clamp bolts with a $5/32"$ (supplied) or 4mm hex "L" key.

Note 1: A $1/2 - 20$ bolt can be threaded into the end of the clamp to aid in loading the spring as shown. If a $1/2 - 20$ bolt is not handy, then a $\text{Ø}11.4\text{mm}$ or smaller rod, bolt, screw driver etc. works as well.

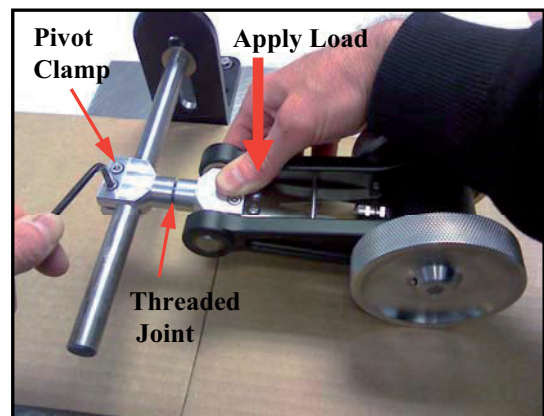
Note 2: The spring should not be preloaded too much or it may come in contact with the spring limit pins and the TR3 will not have sufficient travel to accommodate variations in the surface height of the material being measured. For most applications, the spring setting in its mid-range (5-6 lbs.) is sufficient.



Double Wheel Pivot Installation (BEPC Part# 176391-01):

Note: It is recommended that double wheel TR3's be installed with the optional Double Wheel Pivot. The pivot allows the unit to rotate freely to maintain equal pressure on both wheels, accommodating uneven/angled surfaces and mounting misalignment.

- 1) Thread the pivot clamp into the end of the TR3's clamp by hand until the threads just bottom out then back out approximately 1 revolution to allow for rotation after installation.
- 2) Slide the pivot clamp over a fixed $\text{Ø}5/8"$ ($\text{Ø}15.8\text{mm} +0/-0.12\text{mm}$) shaft. The optional TR3 Mounting Bracket (#176389-01) is shown in the picture.
- 3) While applying a load to the spring, securely tighten the two clamp bolts with a $5/32"$ (supplied) or 4mm hex "L" key.



Connector Exit Orientation Adjustment:

- 1) Slide the TR3 over a $\text{Ø}5/8"$ ($\text{Ø}15.8\text{mm} +0/-0.12\text{mm}$) shaft and tighten the clamp bolts with the supplied $5/32"$ hex "L" key.
- 2) Remove the measuring wheel(s) using the supplied $3/32"$ hex "L" wrench to loosen the set screws.
- 3) Remove 6 screws (3 on each side) from the side plates using the supplied $7/64"$ hex "L" key.
- 4) Rotate body of encoder to desired orientation, aligning bolt pattern with one of six unique positions (see inset drawing).
- 5) Replace side plate screws and measuring wheel(s), making sure to tighten screws securely.

