

## TB-543: Pivot Bracket Installation

### Considerations:

- Mount the pivot bracket parallel to the running surface to obtain minimum measurement error due to pivoting motion.
- Max travel is 2" at the encoder shaft from no-load spring position.
- Increased spring load decreases max travel.
- For most applications, a minimal spring deflection is sufficient.
- Securely tighten all hardware; thread lock is recommended.



### Step 1

Attach encoder to bracket. Multiple connector/cable orientations possible.



### Step 2

Attach wheel to encoder shaft.



### Step 3

Install pivot bracket on  $\varnothing 5/8"$  ( $0.625" + 0/- 0.005$ ) bar. Optional mounting bracket (Stock # 176389-01) shown.



### Step 4

To apply spring load, tension pivot bracket spring using lever arm and tighten clamp screws. A  $1/2"$ -20 bolt can be used as a lever arm.

