

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 50.8mm 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.

