

## Technical Bulletin 543

### Pivot Bracket Installation

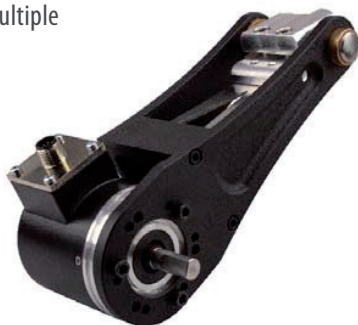
#### Considerations:

- 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.



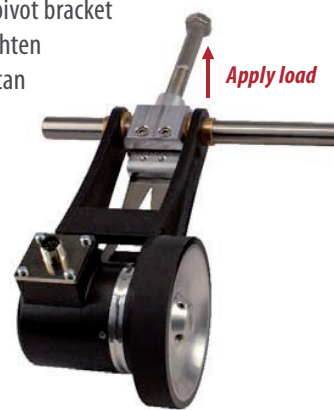
#### Step 3

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.



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