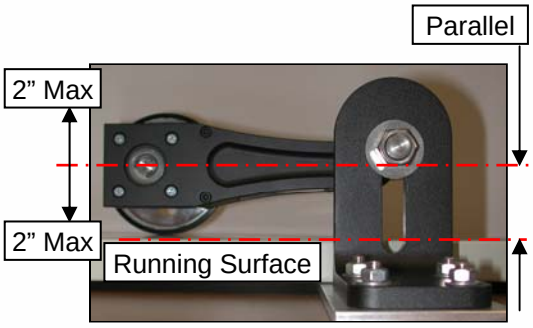
ENCODER PRODUCTS COMPANY

Cube Pivot Bracket Installation

Features:
- Improved ground clearance under the cube encoder
- Self-lubricating oil impregnated bronze bushings for longer life
- Universal mounting for Standard Cube and Industrial Cube encoders
- Spring pre-load feature available as an option for better traction or upside-down operation
- Four connector/cable exit orientations available due to improved encoder mounting strategy
- Durable powder-coated finish
- Each kit includes the convenient Mounting Bracket #176389-01
- Each kit is supplied with a 5/32" hex "L" key for securing shaft clamps.

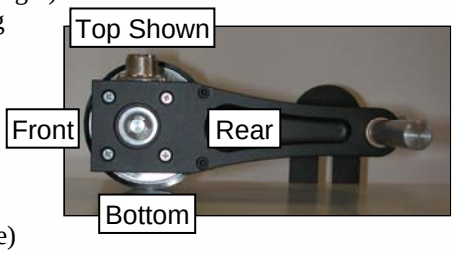


Suggestions:

- For All Options -
- Mount the pivot bracket parallel to the running surface to obtain minimum measurement error due to pivoting motion.

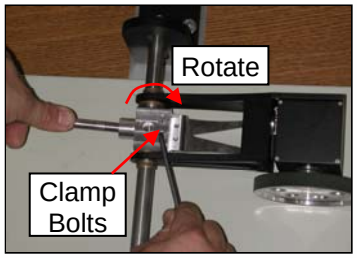
- For Spring Pre-load Options -
- Max travel is 2" at the encoder shaft from no-load spring position.
- Increased spring load decreases max travel.
- For most applications a spring setting of 5-6 lbs. is sufficient.

- Connector / Cable Orientation -
- Four connector exit orientations are available at 90º increments (See image to the right).
- For ease of assembly when using the rear connector exit orientation, install mating electrical connectors/cord-sets onto threaded style connectors before installing the cube encoder onto the bracket.



Mounting the Cube to the Pivot Bracket:

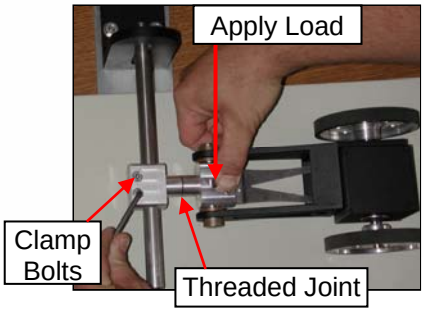
1) If necessary, route the cable before mounting the cube encoder.
2) Install the four encoder mounting screws (6-32 for Std. Cube/10-32 for Ind. Cube) and tighten them securely (each kit contains all necessary screws).
Note: A thread locking compound should be used on the encoder mounting screws.
3) Mount the measuring wheel(s) on the encoder and securely tighten the setscrews.



Pivot Bracket Installation:

- Single Pivot -
- For single wheel applications using pivot bracket kits #176430-01 and #176430-02.

1) Place the pivot clamp in-between the bracket arms.
2) For the spring option, place the tips of the spring inside the bracket box.
3) Install the assembly onto a fixed ∅5/8" (∅.625" +0/-.005") shaft.
4) Rotate the shaft clamp to pre-load the spring option if available.
5) While holding the clamp in a rotated position, tighten the two clamp bolts.
Note: A 1/2-20 bolt, rod, screw driver, etc. can be used to aid in rotating the clamp.



- Double Pivot -
- For double wheel applications using pivot bracket kits #176431-01 and #176431-02.

1) Turn the threaded joint clockwise by hand until it bottoms out, and then unscrew the joint approximately 1 turn to allow for rotation after installation.
2) Install the assembly onto a fixed ∅5/8" (∅.625" +0/-.005") shaft.
3) For the spring option, apply a load to the spring.
4) While applying the load, tighten the two clamp bolts.

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