



Motion Control

Motorized Actuators - DC Servo

Translation Stages

Motorized Mirror Mounts

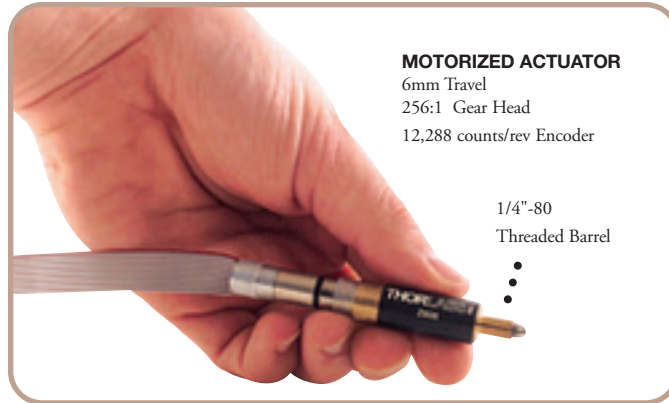
Rotation Stages

3 Axis Flexure Stages & Accessories

4, 5 & 6-Axis Stages

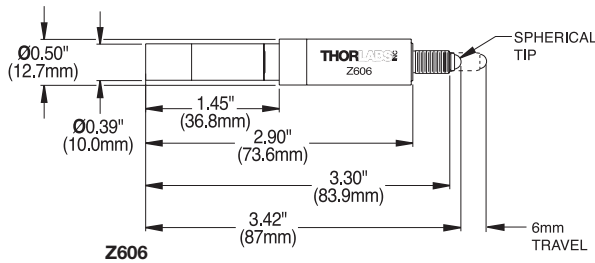
Drive Electronics & Auto-Alignment

Actuators & Adjusters



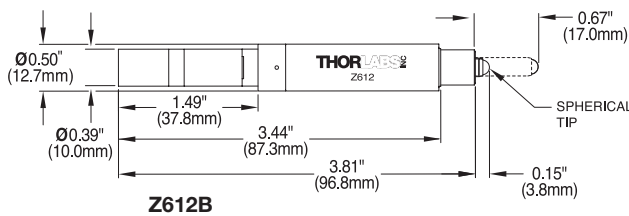
MOTORIZED ACTUATOR
6mm Travel
256:1 Gear Head
12,288 counts/rev Encoder

1/4"-80
Threaded Barrel



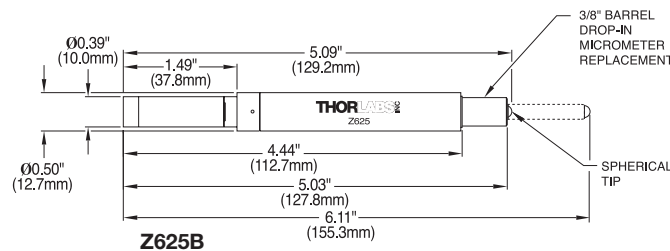
6mm Travel (1/4"-80 Barrel)

| ITEM# | \$ | £ | € | ¥ | DESCRIPTION |
|-------|-----------|----------|----------|----------|------------------------------------|
| Z606 | \$ 427.25 | £ 320.44 | € 448.61 | ¥ 72,632 | 6mm Motorized Actuator, 1/4"-80 |
| Z606V | \$ 439.00 | £ 329.25 | € 460.95 | ¥ 74,630 | 6mm Vacuum Rated Actuator, 1/4"-80 |



12mm Travel (2 Designs, 3/8" Diameter Barrel and 1/4"-80)

| ITEM# | \$ | £ | € | ¥ | DESCRIPTION |
|--------|-----------|----------|----------|----------|---|
| Z612 | \$ 429.50 | £ 322.12 | € 450.98 | ¥ 73,015 | 12mm Motorized Actuator, 1/4"-80 |
| Z612B | \$ 420.00 | £ 315.00 | € 441.00 | ¥ 71,400 | 12mm Motorized Actuator, 3/8" Barrel |
| Z612V | \$ 452.00 | £ 339.00 | € 474.60 | ¥ 76,840 | 12mm Vacuum Rated Actuator, 1/4"-80 |
| Z612BV | \$ 452.00 | £ 339.00 | € 474.60 | ¥ 76,840 | 12mm Vacuum Rated Actuator, 3/8" Barrel |



25mm Travel (3/8" Diameter Barrel)

| ITEM# | \$ | £ | € | ¥ | DESCRIPTION |
|--------|-----------|----------|----------|----------|---|
| Z625B | \$ 450.00 | £ 337.50 | € 472.50 | ¥ 76,500 | 25mm Motorized Actuator, 3/8" Barrel |
| Z625BV | \$ 468.00 | £ 351.00 | € 491.40 | ¥ 79,560 | 25mm Vacuum Rated Actuator, 3/8" Barrel |

Our Z6-series motorized micrometers are engineered for use with optical positioning devices. Their high-resolution design in a lightweight and compact package makes these actuators ideally suited for demanding optical laboratory automation applications. Additional features include an optical encoder for closed-loop operation as well as built-in limit switches that provide overdrive protection.

The Z606 model has been designed specifically for use in mirror mounts that have 1/4"-80 manual adjusters. Just remove the existing 1/4"-80 drive screw and thread in our Z606 actuator. See page 333 for details of our OptoDC motor driver.

- Motorized Actuator: 12V DC Servo Motor
- Mirror Mount Drop-in Replacement for 1/4"-80 Actuators
- Actuator Travel: 6mm, 12mm & 25mm
- 0.05µm Minimum Incremental Movement
- Backlash < 8µm (Before Software Compensation)
- Compatible with Many Standard Controllers/Drivers
- Limit Switches Prevent Accidental Actuator Damage
- High Precision Rotary Encoder (48 counts per revolution) (48 count encoder x 256:1 Gear Head = 12,288 Counts Per Revolution)

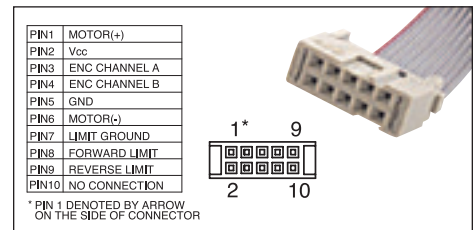


12mm Travel
256:1 Gear Head
12,288 counts/rev Encoder

2 Models:
• Ø3/8" Barrel
• 1/4"-80



25mm Travel
256:1 Gear Head
12,288 counts/rev Encoder



Vacuum Option

Our new vacuum compatible, motorized actuators offer the same great functionality as our standard actuators, but with vacuum rated servo-motors, phosphorus bronze internal coupling mechanism, and high vacuum grease - see price boxes.

- Vacuum Rating to 10⁻⁶ Torr
- Ø3/8" or 1/4"-80 Mounting Barrel