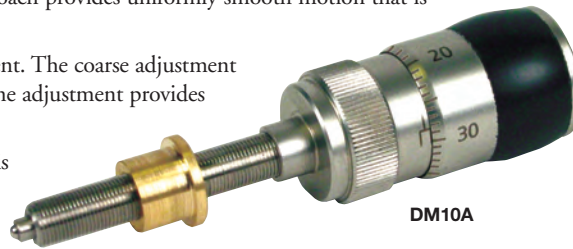


8.0 mm Travel, High-Precision Differential Adjuster

The Thorlabs High-Precision Adjuster offers exceptional resolution and repeatability. The unique lever mechanism provides a precision mechanical advantage, which multiplies the resolution of its high-precision, fine-adjustment threads, resulting in a small displacement of the spindle. This approach provides uniformly smooth motion that is largely independent of loading.

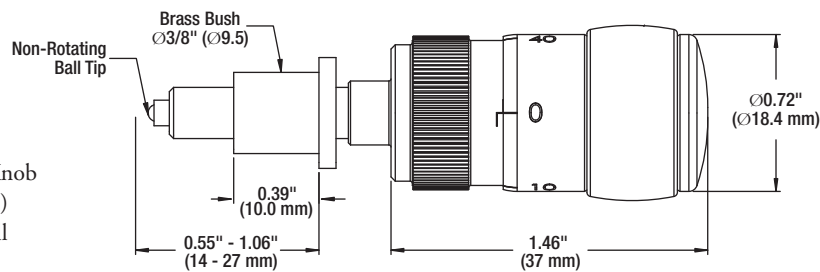
Two large knobs are provided for coarse and fine adjustment. The coarse adjustment provides 8.0 mm of travel at 1 μm resolution, while the fine adjustment provides 0.3 mm travel at 20 nm resolution (calculated).

The DM10A has a 0.5" (12.7 mm) mounting barrel and is compatible with our RollerBlock™ series of linear stages (see page 466).



DM10A

- Coarse Lead Screw with 500 $\mu\text{m}/\text{rev}$
- Fine Lead Screw with 65 $\mu\text{m}/\text{rev}$
- 8.0 mm of Travel
- 1 μm Resolution (Calculated)
- Negligible Backlash
- Soft Rubber Ring Reduces Heat Transfer
- Positive Travel Limit Stops on Control Knob
- Graduated Knob (50 Arbitrary Divisions)
- Output via Non-Rotating Hard Steel Ball



Please refer to our website for complete models and drawings.

ITEM#	\$	£	€	RMB	DESCRIPTION
DM10A	\$ 195.00	£ 135.20	€ 173.20	¥ 1,646.60	Differential Adjuster, 8 mm of Travel

2" (50.8 mm) Travel, Differential Adjuster

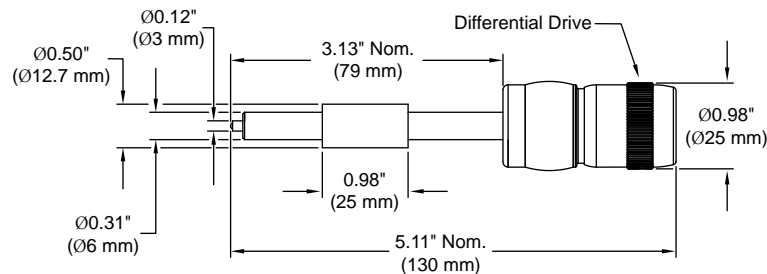
This differential drive has been designed for use on single-axis stages equipped with a $\text{Ø}1/2"$ ($\text{Ø}12.7 \text{ mm}$) actuator mounting hole. The large-diameter differential drive actuator provides fine, ultra-smooth control over motion. The removable brass bushing allows this actuator to be used in any OEM application requiring 1" (25 mm) of overall travel.

Features

- Non-Rotating Tip
- $\text{Ø}1/2"$ ($\text{Ø}12.7 \text{ mm}$) Interchangeable Brass Mounting Bushing

Specifications

- **Coarse Adjustment**
 - Leadscrew: 500 $\mu\text{m}/\text{rev}$
 - Range: 2.0" (50 mm)
 - Pitch: 0.5 mm
- **Fine Adjustment**
 - Leadscrew: 50 μm
 - Range: 300 μm
 - Pitch: 0.05 μm



Please refer to our website for complete models and drawings.



ITEM#	\$	£	€	RMB	DESCRIPTION
DRV008	\$ 467.50	£ 324.10	€ 415.10	¥ 3,947.60	2" (50.8 mm) Travel Differential Adjuster, $\text{Ø}12.7 \text{ mm}$ Mounting Bush