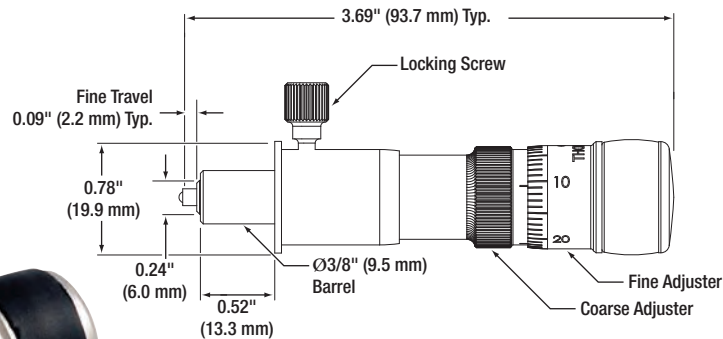


## 0.5" (12.7 mm) Travel Differential Micrometer Head

**NEW**  
product

- 0.5" (13 mm) of Coarse Travel
- 1  $\mu\text{m}$  Coarse Resolution (Calculated)
- 300  $\mu\text{m}$  High-Resolution Differential Travel
- 50 nm Differential Resolution (Calculated)
- Ø3/8" Mounting Barrel
- 500  $\mu\text{m}/\text{rev}$  Coarse Adjustment
- 50  $\mu\text{m}/\text{rev}$  Fine Adjustment



Please refer to our website for complete models and drawings.



The DRV304 Differential Micrometer has a unique mechanism that converts a relatively large displacement into a comparatively small displacement of the center fine adjustment spindle. The design has the additional benefit of providing a uniformly smooth feel that is largely independent of loading.

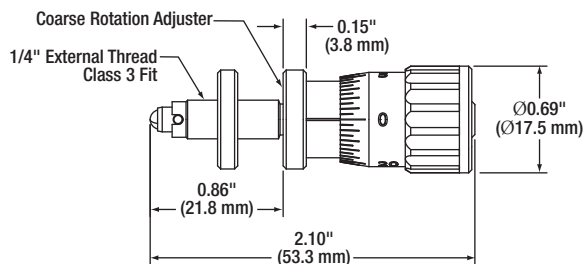
Coarse adjustment is via a knurled knob, while the differential adjuster features a large rubber grip which adds to the overall sensitivity of the unit. The coarse adjustment knob provides 0.5" (13 mm) of total travel with 1  $\mu\text{m}$  resolution, while the differential knob provides 300  $\mu\text{m}$  of total travel with 50 nm resolution. The Ø3/8" (Ø9.5 mm) mounting barrel is compatible with a host of standard mounting equipment and is used in our 3 axis RollerBlock Stage (pages 542 - 543).

ITEM #	\$	£	€	RMB	DESCRIPTION
DRV304	\$ 395.00	£ 284.40	€ 343.65	¥ 3,148.15	Differential Micrometer, 0.5"(13 mm) Travel, Ø3/8" Mounting Barrel

## Differential Adjuster for Optic Mounts

The DM22 differential adjuster uses two leadscrews; one pushes the center spindle forward at 400  $\mu\text{m}$  per revolution while the other pulls it back at 375  $\mu\text{m}$  per revolution. The resultant total forward motion of the center spindle is 25  $\mu\text{m}$  per revolution of the graduated knob. Each small graduation of the fine control knob is 0.5  $\mu\text{m}$ ; the calculated resolution for the DM22 is approximately 50 nm. When performing fine adjustment, the coarse adjustment mechanism can be locked by means of a small locking collar.

**DM22**  
Submicron Adjuster



### Fine Adjustment

- 250  $\mu\text{m}$  Range
- 25  $\mu\text{m}/\text{rev}$

### Coarse Adjustment

- 0.72" Long 1/4"-80 Threads
- 0.012"/rev (80 TPI)

Mechanical  
Drawings Available on the  
**WEB**

Please refer to our website for complete models and drawings.

ITEM #	\$	£	€	RMB	DESCRIPTION
DM22	\$ 142.00	£ 102.24	€ 123.54	¥ 1,131.74	Differential Adjuster 1/4"-80 External Thread