

CHAPTERS

Manual Stages

Motorized Stages

Multi-Axis Platforms

Actuators

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SECTIONS

Linear Translation

Rotation

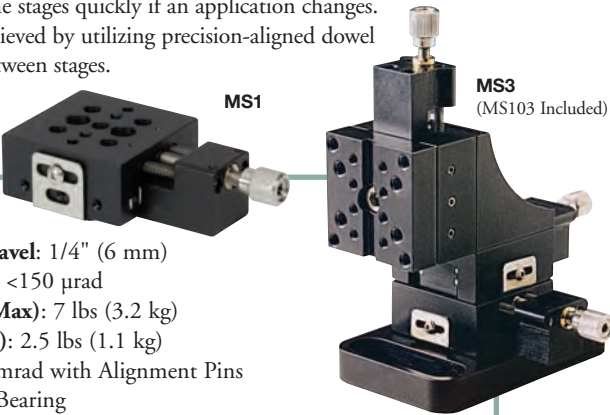
Goniometers

For current pricing,
please see our website.

1/4" Travel, Miniature Translation Stages



The MS1 translation stage features a ball bearing design for precise motion and long life. Its compact size makes this stage ideal where space is limited. The modular design allows the user to reconfigure the stages quickly if an application changes. This quick-change design is achieved by utilizing precision-aligned dowel pins to ensure orthogonality between stages.



Specifications

- **Maximum Stage Travel:** 1/4" (6 mm)
- **Angular Deviation:** <150 μ rad
- **Horizontal Load (Max):** 7 lbs (3.2 kg)
- **Vertical Load (Max):** 2.5 lbs (1.1 kg)
- **Orthogonality:** <2 mrad with Alignment Pins
- **Bearing Type:** Ball Bearing
- **Material:** Aluminum Body with Hardened Steel Linear Guides
- **Adjuster:** M3 x 0.25 Fine Adjustment Screw Provides 250 μ m/rev
- **Mounting Holes:** 8-32 (M4 x 0.7)

Features

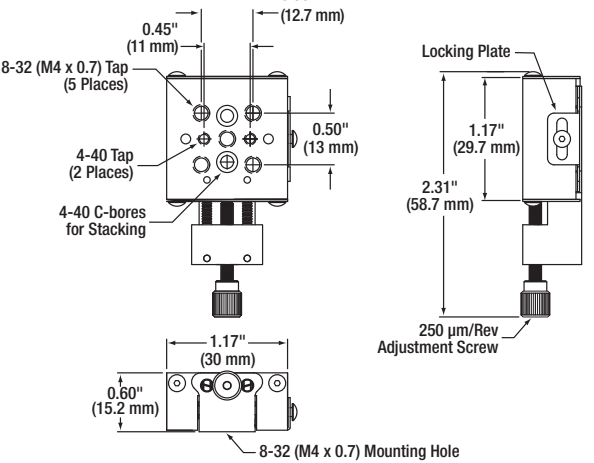
- Compact and Lightweight
- Lockable Design
- Modular Construction
- Good Performance at an Economical Price

Mounting Options

The photographs below show the MS3 with two different accessory mounts. The upper photo shows the MS3 with a 360° rotation mount for Ø1/2" optics, while the lower application photo shows it holding an objective using the CT01 Ø1" optic mount and an adapter.



See Page 285 for These Accessories



MS101



MS103



MS102



1/4" Miniature Translation Stages

ITEM #	METRIC ITEM #	\$	£	€	RMB	DESCRIPTION
MS1	MS1/M	\$ 172.40	£ 124.13	€ 149.99	¥ 1,374.03	1/4" Travel Mini Translation Stage
MS3	MS3/M	\$ 509.00	£ 366.48	€ 442.83	¥ 4,056.73	1/4" Travel XYZ Mini Translation Stage with Base and MS103 Plate
MS101*	MS101*	\$ 19.40	£ 13.97	€ 16.88	¥ 154.62	Base Plate
MS102*	MS102*	\$ 29.60	£ 21.31	€ 25.75	¥ 235.91	Angle Bracket
MS103**	MS103/M**	\$ 26.50	£ 19.08	€ 23.06	¥ 211.21	MS Series Adapter Plate

*Both Imperial and Metric parts are equivalent.

**The MS3 (MS3/M) comes standard with an MS103 (MS103/M) Adapter Plate