

## Optomechanics

### Mounting Basics

### Optical Rails

### Mirror Mounts

### Lens Mounts

### Filter Mounts

### Rotation Mounts

### Adapters

### V-Mounts

### Apertures & Iris Diaphragms

### Lens Tubes

### Cage Systems

## Mini-Series Mounting Hardware

The Thorlabs Mini-Series is designed to increase the number of optical elements that can be assembled within a limited space. This series offers all of the essential building blocks for miniature and OEM-level optomechanical assemblies. Also included in this series are post thread adapters used to interface our standard optic mounts to our Mini-Series Ø6mm Posts and Mini-Series Pedestal Pillar Posts.

The MS series Ø6mm diameter posts have a #4-40 (M3) threaded mounting stud in one end and a #4-40(M3) tapped hole in the other end.

MS Series Posts  
#4-40(M3)



#4-40 Tap (M3)  
in Bottom

### Ø6mm Posts

ITEM#	METRIC ITEM#	\$	£	€	RMB	DESCRIPTION
MS05R	MS05R/M	\$ 5.30	£ 3.30	€ 4.90	¥ 50.60	Mini Posts, 6mm Diameter, 1/2" (12.5mm) Long
MS1R	MS1R/M	\$ 5.60	£ 3.50	€ 5.20	¥ 53.50	Mini Posts, 6mm Diameter, 1" (25mm) Long
MS1.5R	MS1.5R/M	\$ 5.80	£ 3.70	€ 5.40	¥ 55.40	Mini Posts, 6mm Diameter, 1.5" (38mm) Long
MS2R	MS2R/M	\$ 6.30	£ 4.00	€ 5.90	¥ 60.20	Mini Posts, 6mm Diameter, 2" (50mm) Long
MS3R	MS3R/M	\$ 7.10	£ 4.50	€ 6.60	¥ 67.80	Mini Posts, 6mm Diameter, 3" (76mm) Long

This series of miniature post holders features an attached swivel base, a spring-loaded friction element that prevents the post from slipping down into the holder prior to final tightening, plus a design that allows the post to pass directly through the post holder. This last feature provides for a maximum range of beam heights when assembling an optical system.

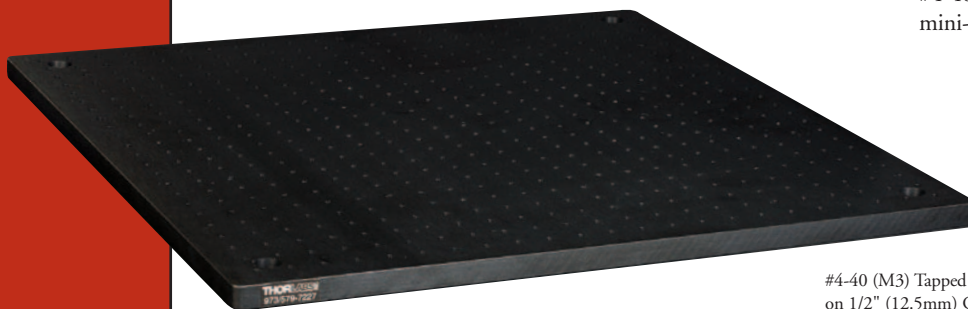
### Post Holder With Swivel Base

ITEM#*	\$	£	€	RMB	DESCRIPTION
MSH075	\$ 28.60	£ 18.00	€ 26.60	¥ 273.10	Mini Holder With Swivel Base, 3/4" (19mm) High
MSH1	\$ 29.60	£ 18.60	€ 27.50	¥ 282.70	Mini Holder With Swivel Base, 1" (25mm) High
MSH1.5	\$ 31.60	£ 19.90	€ 29.40	¥ 301.80	Mini Holder With Swivel Base, 1.5" (38mm) High
MSH2	\$ 33.70	£ 21.20	€ 31.30	¥ 321.80	Mini Holder With Swivel Base, 2" (51mm) High
MSH3	\$ 37.70	£ 23.80	€ 35.10	¥ 360.00	Mini Holder With Swivel Base, 3" (76mm) High

\*Imperial and Metric Compatible

## Mini-Series Breadboard and Hardware Kit

The HW-KIT5 provides a generous supply of #4-40 (M3) socket head cap screws for use with our mini-series optical components.



**MS12B**  
12" x 12" x 3/8" Breadboard  
(305mm x 305mm x 10mm)



**HW-KIT5**  
Hardware Kit  
#4-40 (M3)

#4-40 (M3) Tapped Holes  
on 1/2" (12.5mm) Centers

Our miniature breadboard features #4-40 (M3) tapped holes on 1/2" (12.5mm) centers. This new standard allows for a significant increase in the number of optical elements that can be assembled within a limited space.

### Mini-Breadboard/HW-KIT5

ITEM#	METRIC ITEM#	\$	£	€	RMB	DESCRIPTION
MS12B	MS12B/M	\$ 257.00	£ 161.90	€ 239.00	¥ 2,454.40	12" x 12" High-Density Mini-Breadboard
HW-KIT5	HW-KIT5/M	\$ 90.30	£ 56.90	€ 84.00	¥ 862.40	Hardware Kit for Mini-Series #4-40 (M3)