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Find the *ThorLabs PH2* at our website: *Click HERE*

Ø1/2" Post Holders

- **Extra Wide Relief Cut Provides a Highly Stable Two-Line Contact with the Mating Post**
- **Each Post Holder Includes One Spring-Loaded or Solid Hex-Locking Thumbscrew**
- **Vacuum-Compatible Versions Available**





Magnets in Pedestal Post Holders Provide Holding Force Before Lockdown



Post Holder Secured by Clamping Fork

Related Items

Ø1/2" Universal Post Holders



Post Holder Bases



Ø1/2" Posts



Imperial and Metric Part Differences



Overview | Insights | Feedback

Features

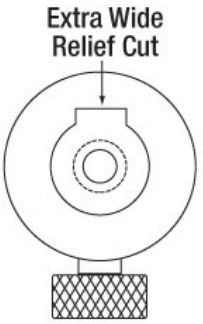
- Precision-Machined Extra Wide Relief Cut Provides Stable Two-Line Contact with Ø1/2" Posts
- Variety of Mounting Mechanisms Include Bottom-Located 1/4"-20 (M6) Tapped Hole or Magnetic Base
- Extra Thumbscrews Also Available Below

Thorlabs' Ø1/2" optical post holders are the ideal solution for mounting optical components when a specific height for a setup has not been determined. These post holders come in several styles: standard, vacuum compatible, and pedestal.

Standard Post Holders
Standard post holders can be mounted to any one of our Mounting Bases via a 1/4"-20 (M6) cap screw. Each includes a spring-loaded thumbscrew that holds the post in place before tightening.

Vacuum-Compatible Post Holders
Vacuum-compatible post holders are constructed from 6061-T6 and 2024-T3 aluminum and are compatible with our Vacuum-Compatible Mounting Bases. They are similar to our standard post holders but have a chemically cleaned finish instead of the standard black anodization. This allows them to be used directly out of the packaging at pressures as low as 10^{-6} Torr, or at even lower pressures with additional cleaning and processing. They also incorporate a one-piece thumbscrew instead of the standard spring-loaded design found on our other post holders.

Pedestal Post Holders
Pedestal post holders have a base that works in conjunction with the clamping forks featured below for flexible mounting options on an optical table. They incorporate high-strength magnets in the base to provide holding force while performing rough alignments. Standard post holders can also be converted to pedestal post holders using the BE1(/M) or BE1R(/M) base adapters, which are also available below.



Post Holders Have an Extra Wide Relief Cut for Two-Line Contact with Ø1/2" Posts

In addition to the post holder options presented here, Thorlabs also offers swivel post holders, which have an attached swivel base, and other specialty post holders.

Key Features			
Type	**Standard Post Holders**	**Vacuum-Compatible Post Holders**	**Pedestal Post Holders**
Post Contact	Precision-Machined Extra Wide Relief Cut for Stability		
Optical Table Mounting	Bottom-Located 1/4"-20 (M6) Tapped Hole		Compatible with CF038-P5, CF125, CF175, CF038C(/M)-P5, CF125C(/M), and CF175C(/M) Clamping Forks (Sold Below)
Thumbscrew	Spring Loaded with 3/16" (5 mm) Hex	One Piece with 3/16" (5 mm) Hex	Spring Loaded with 3/16" (5 mm) Hex
Vacuum Compatibility	N/A	>10^{-6} Torr (Lower Pressures with Additional Cleaning)	N/A
Construction	Black Anodized Aluminum	6061-T6 and 2024-T3 Aluminum	Black Anodized Aluminum

Standard Ø1/2" Post Holders

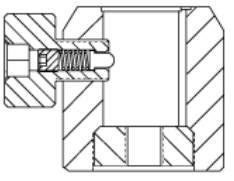


Zoom

Aluminum, Spring-Loaded, Hex-Locking Thumbscrew (3/16" or 5 mm) for Positioning Ease
Extra Wide Relief Cut Provides a Two-Line Stable Contact for Post
1/4"-20 (M6) Tapped Hole on Bottom
Packs of 5 Also Available for 1" to 4" Lengths (20 mm to 100 mm)

These standard post holders are designed with a wide, square relief cut that provides two lines of contact for highly stable post mounting. A spring-loaded plunger within the aluminum thumbscrew holds a steel post firmly within the post holder prior to final tightening. This design allows one-handed positioning of post-mounted devices. Thorlabs' imperial and metric post holders are equipped with our 3/16" (TS25H) and 5 mm (TS6H/M) spring-loaded hex-locking thumbscrews, respectively (also available separately below). These thumbscrews should not be tightened beyond the maximum torque of 28 in·lbs (3.2 N·m). The post holders are compatible with our entire line of table bases and the BE1(/M) and BE1R(/M) base adapters (sold separately below).

Popular post holders are also available in packages of five for ease of ordering.



Click to Enlarge
Standard Post Holders Include a Spring-Loaded Thumbscrew that Holds Posts in Place Before Tightening

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