

Tapered V-Groove Fiber Holder



- Precision V-Groove Designed to Hold Ø150 µm to Ø341 µm Fibers
- Nickel-Plated Steel Provides Robust, Wear-Resistant Surface
- Tapered End for Maximum Access in Industrial Coupling Applications
- 1/2" (12.7 mm) Optical Axis Height

The longer HFV002 tapered V-groove fiber holder is designed to allow access to smaller devices. When butt-coupling single mode fibers to small waveguide devices (particularly when the device is mounted on a waveguide manipulator), users sometimes find it difficult to support and position the end of the fibers close enough to the input ports of the waveguide with the standard V-groove holder. The tapered top plate of this mount improves the visual observation of the fiber-waveguide interface. The fiber is secured with the two magnetic clamps, which are provided.



ITEM #	\$	£	€	RMB	DESCRIPTION
HFV002*	\$ 133.00	£ 95.76	€ 115,71	¥ 1,060.01	Tapered V-Groove Fiber Holder

*Universal Design, Imperial and Metric Compatible

Replacement Magnetic Clamps

- Soft Elastomer Bottom Surface Protects Exposed Fiber Cladding
- Sold in Packages of Six

These magnet assemblies are used to securely hold the fiber on our V-groove fiber holders. Please note that two of these fiber clamps are included with each V-groove style fiber holder.



ITEM #	\$	£	€	RMB	DESCRIPTION
HFM001*	\$ 124.40	£ 89.57	€ 108,23	¥ 991.47	Package of 6 Magnetic Clamps

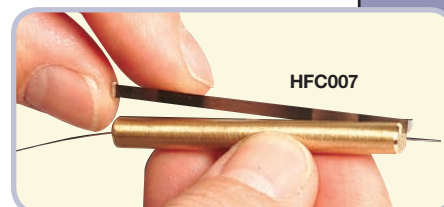
*Universal Design, Imperial and Metric Compatible

Classic Ø1/4" Fiber Chucks and Mounting Block

While Ø1/4" fiber chucks were popular a number of years ago, Thorlabs strongly recommends that users consider using one of the newer fiber clamp designs that utilize either a clamping arm or two magnetic caps to hold the fiber in place (see previous page).

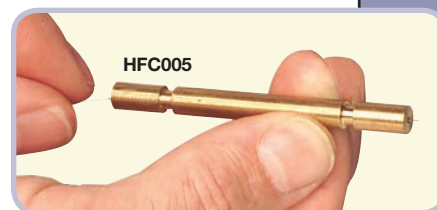
Side-Loading Fiber Chuck

The HFC007 industry-standard fiber chuck allows the fiber to be loaded from the side, making it possible to strip and cleave the fiber prior to loading. This chuck is designed to accept Ø200 µm fibers (after outer buffer/cladding has been stripped) and secures the fiber in place with a spring clip that slips into place as shown in the photograph to the left. The dimensions of the chuck are 2.36" (60 mm) in length and 0.25" (6.35 mm) in diameter.



Back-Loading, Collet-Style Fiber Chuck

This traditional fiber chuck uses a collet mechanism to secure the fiber in place. The popular design requires that the fiber be fed through the length of the chuck. Therefore, the fiber needs to be fed through the holder prior to being cleaved in order to prevent the endface of the fiber from being damaged. The dimensions of the HFC007 are Ø0.25" x 2.76" (Ø6.35 mm x 70 mm).



Fiber Chuck Mounting Block

The HFG001 mounting block is designed to accept the industry standard fiber chucks. The double bore ensures that two lines of contact are maintained along the length of the 1/4" diameter chuck. A nylon-tipped setscrew is used to apply the pressure required to hold the fiber chuck firmly in place. The optical axis is 1/2" (12.7 mm) above the stage platform.



ITEM #	\$	£	€	RMB	DESCRIPTION
HFC005*	\$ 130.90	£ 94.25	€ 113,88	¥ 1,043.27	Classic Ø1/4" Fiber Chuck with Collet Clamp
HFC007*	\$ 72.70	£ 52.34	€ 63,25	¥ 579.42	Classic Ø1/4" Fiber Chuck with Side-Loading Fiber
HFG001*	\$ 67.90	£ 48.89	€ 59,07	¥ 541.16	Mounting Block for Classic 1/4" Fiber Chucks

*Universal Design, Imperial and Metric Compatible