## **Optomechanics** CHAPTERS V Tables/ Post-Mountable GRIN Lens Holder **Breadboards** Holds Ø1.0 to Ø3.0 mm (Ø0.04" to Ø0.12") GRIN Lenses Mechanics **Build Your Own GRIN** Simple Spring Clamping Action **Optomechanic** Post-Mountable, #8-32 (M4 x 0.7) Mounting Hole Lens Collimator **Devices** Kits The GH1 Lens Holder secures gradient index (GRIN) lenses with diameters ranging from 1.0 to 3.0 mm (0.04" to 0.12") in a precision V-groove with a spring Lab Supplies clamp. This easy-to-load holder mounts directly onto our standard Ø1/2" Series Posts via an #8-32 (M4 x 0.7) mounting hole. SECTIONS V While the GH1 was designed specifically for GRIN lenses, it is also useful for **Mini Series** securely holding any small-diameter component within an optical system. Ø1/2" Post Assemblies GRIN lenses are used to collect light from laser diodes and focus it into fibers (0.29 pitch), to Ø1" Post Assemblies collect and collimate light from laser Ø1.5" Post diodes, or to focus collimated beams See Page 937 Assemblies into fibers (0.23 pitch). See page 937 **Mounting/Angle** for details on our selection of GRIN GH1 **Brackets** lenses. GH1 Lab Platforms Post and GRIN Lens Not Included **Instrument Shelves** ITEM# **METRIC ITEM#** € RMB DESCRIPTION \$ £ GH1 GH1/M 27.70 19.30 € 24,60 233.90 Post-Mountable GRIN Lens Holder \$ Lens Tubes **Miniature V-Clamp** This V-clamp is ideal for applications that require the positioning of short, small-Cage Systems diameter cylindrical components ranging from Ø1/32" (Ø0.8 mm) to Ø3/8" **Optical Rails** (Ø9.5 mm). The VH1 measures just 0.42" (10.7 mm) from front to back. Its compact design allows close access to both ends of a cylindrically shaped optic fastened within **Mirror Mounts** the mount. Cylindrical objects are clamped in place via a nylon-tipped setscrew housed in an adjustable-height arm. The clamp mounts directly onto our standard Ø1/2" TR **Kinematic** Series Posts via an #8-32 (M4 x 0.7) mounting hole. Mounts **Fixed Mounts** VH1 #8-32 Nylon-Tipped 0.50" Setscrew (12.7 mm) Translation Mounts #2-56 Socket Head Cap Screw #8-32 (M4 x 0.7) Rotation Mounts Mounting Hole Nylon-(⊕ (GRIN Lens Not Filter Tipped 0.54" Mounts Included) (13.7 mm) Clamping Screw **V-Mounts** 0.28" Irises (7.1 mm) #8-32 (M4 x 0.7) Tapped Hole 0.42" 0.65' Apertures (10.7 mm) (16.5 mm) on the Bottom Please refer to our website for complete models and drawings. Adapters **METRIC ITEM#** € RMB DESCRIPTION ITEM# € 26,40 ¥ 250.80 VH1 VH1/M 29.70 20.60 Miniature V-Clamp

## **Bare Optical Fiber – Ships from Stock**

Thorlabs stocks the world's largest selection of bare optical fibers. Our offerings, which are always ready for immediate shipment, include SM, PM, MM, and specialty fiber, all of which are sold by the meter. No minimums, no spooling charges, no hassles.



TECHNOLOGY V