

A new design based on the Kinematic mirror holders (MHG) resulting in reduced prices. These holders are best for experiments using many simple mirror holders or for use in production devices.

- a small footprint offers more adjustment space compared to the MHG series.
- Mirrors are held at three points along the side to distribute the stress on the mirror evenly.
- The thin frame and setscrew mounting method insure that large clear apertures can be obtained with reflected or transmitted light.



### Guide

- ▶ Threaded and counterbored mounting holes allow MHGT to be mounted on female threaded M4 posts or on male threaded M6 posts.
- ▶ If lockable adjusters are required, see MHG-NL mirror holders. [Reference](#) C014

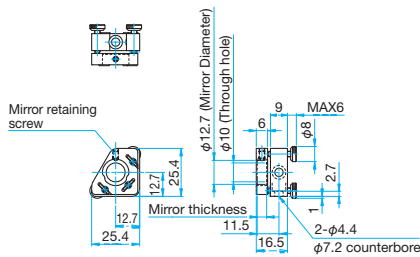
### Attention

- ▶ The installation center of the post is offset from the mirror reflective surface. These holders cannot be used for installation on an optical bench at 45 degrees incidence. Please use the mirror holders without offset (MHI). [Reference](#) C012
- ▶ The rotation center of fine adjustment does not match the mirror reflective surface. For fine measurement, Please use gimbal mirror holders (MHAN) of which rotation center of fine adjustment matches the mirror reflective surface. [Reference](#) C024

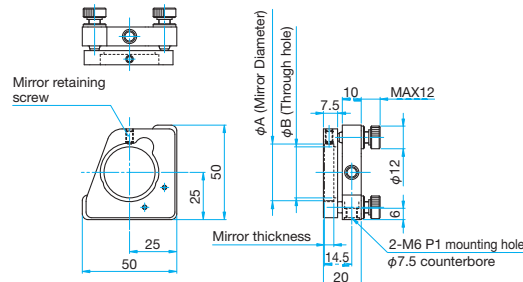


### Outline Drawing

**MHGT-12.7** Hexagon socket head cap screw M4x6...1 screw

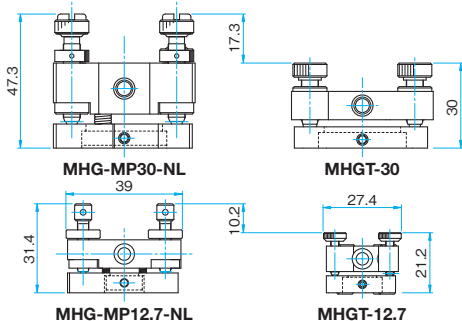


**MHGT-25.4/30** Hexagon socket head cap screw M4x10...1 screw

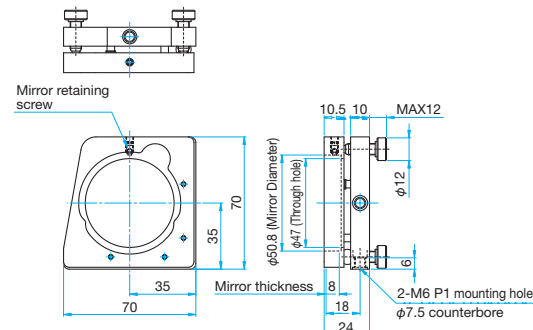


Part Number	φA (mm)	φB (mm)
MHGT-25.4	φ25, φ25.4	φ22
MHGT-30	φ30	φ27

### Compare the size of the MHG-NL and MHGT



**MHGT-50.8** Hexagon socket head cap screw M4x10...1 screw



### Specifications

Primary material: Aluminum  
Finish: Black Anodized

Part Number	Options specified*	Compatible Optics Diameter φA [mm]	Compatible Optics Thickness [mm]	Through hole φB [mm]	Number of Adjustment Axes	Adjustment Range		Resolution		Weight [kg]
						Tilt [°]	Rotation [°]	Tilt [°/rotation]	Rotation [°/rotation]	
MHGT-12.7	—	φ12.7	3 – 5	φ10	2	±3	±3	0.74	0.74	0.013
MHGT-25.4	UU	φ25, φ25.4	3 – 5	φ22	2	±3	±3	0.39	0.39	0.067
MHGT-30	UU	φ30	3 – 5	φ27	2	±3	±3	0.39	0.39	0.067
MHGT-50.8	UU	φ50.8	5 – 9	φ47	2	±3	±3	0.25	0.25	0.12

\* For specifying options, please refer to "Conversion of Posts, Post Holders and Pedestal Bases of Holders". [Reference](#) C007

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