

Mirror Holders Selection Guide

Emphasis on workability

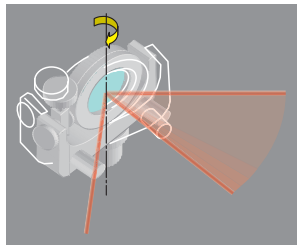
MHAN series
BHAN series



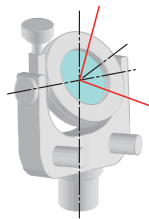
These holders are easily manipulated and have simple alignment

Advantages:

- The mirror can be mounted 45 degrees
- Easily mounted to an optical bench
- Can change the reflected beam path easily



- Holders have enough adjustments to be in 3-D optical systems



Emphasis on stability

MHG series



The MHG series holders have high stability due to less moving parts.

Advantages:

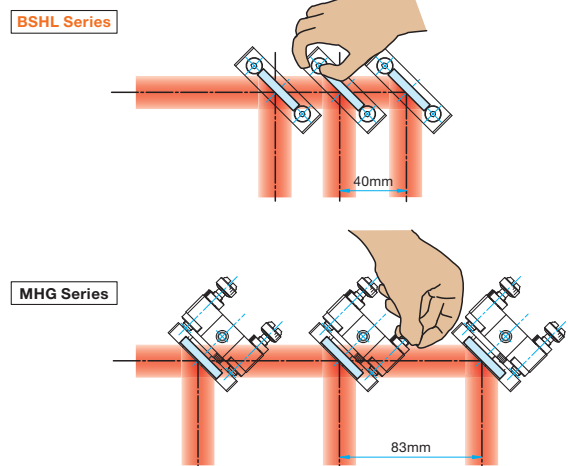
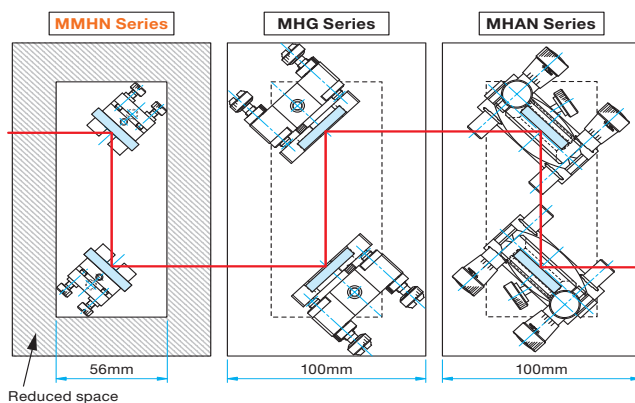
- Holders work well in optical systems with low optical height axis.
- Holders provide stability in environments with vibration, or temperature fluctuations.

Interferometer configured with MHG mirror holder



Downsizing

MHG and MHAN mirror holders require working areas of about two diameter sizes of the mirrors. MMHN and BSHL mirror holders are good for applications that do not require high operability or resolution. The BSHL series adjustment is vertical allowing for the holders to be arranged close to each other.



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Beamsplitter compatible mirror holders

Some mirror holders can be used only for mirrors, while other mirror holders can hold a beamsplitter and handle transmitted light.

Furthermore, among the holders which can handle transmitted light, some holders like the BHAN series can handle beams from both left and right directions, while other holders like the MHG and MHI series can handle transmitted beam from only one side.

When using a holder with transmitted light, please check the transmitted beam diameter at 45 degrees incidence listed in the specification table of each product.

Not Suitable for Use with Transmitted Beam	Used for Transmitted Beam from Only One Direction	Used for Transmitted Beam from Two Directions
LMHB, LMMH, MMHN, MHD, MHL	MHG-NL, MHI, MHGT	BSHL, MHAN, BHAN
<p>These models cannot be used with transmitted beams at 45 degrees incidence even with a center aperture. However, some can be used for transmitted beams at 0 degrees incidence.</p>	<p>These models are used in observation systems containing coaxial illumination or a Mach-Zehnder interferometer. The direction of transmitted light can be changed by rotating the holder.</p>	<p>These models can be used in a Michelson interferometer. The transmitted beam diameter varies depending on the specific model holder.</p>

Post type and Mounting type

The two types of mirror holders are the post type that come with a post, and the mounting type that can be mounted onto a base plate or adapter plate.

The post type of mirror holders is useful when adjusting optical axis height frequently. The mounting type is useful when space is limited in the optical system, or used in an OEM device application. The optical axis height must be set in the design because the mounting type has a fixed height.

Some of the mounting type holders can be mounted onto a post directly, or converted to fit a post using an adapter plate.



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