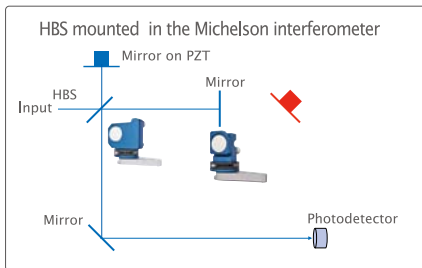
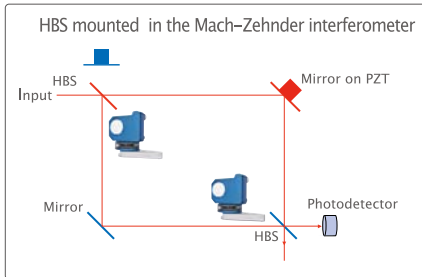
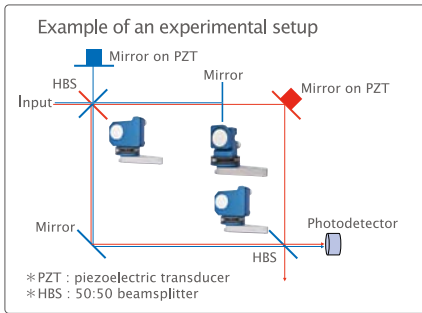




1" Beamsplitter Mount

BSM_FBP508S

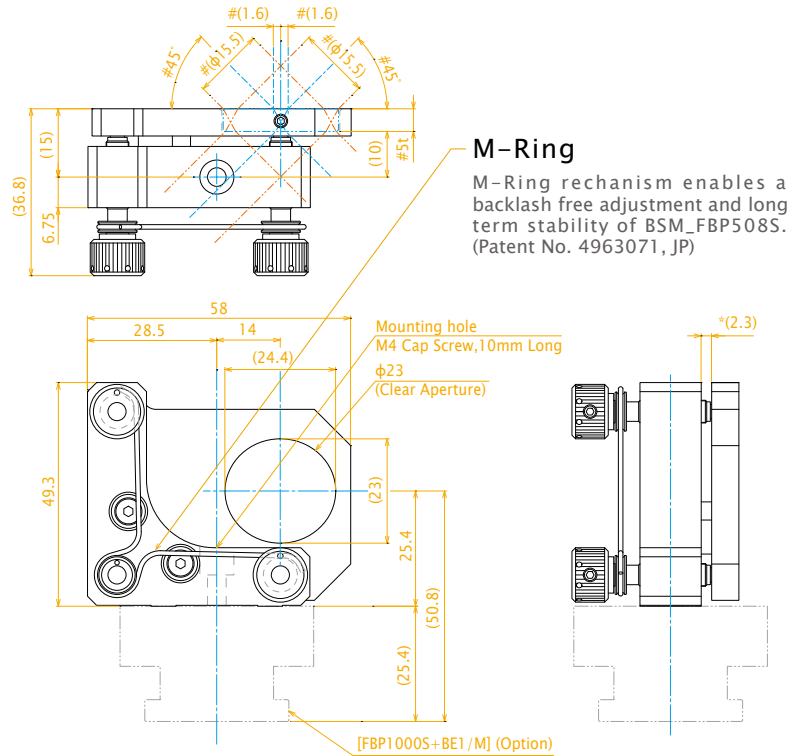


As shown in the example of use, by placing the FBP1000S base plate in the input port of the interferometer and preparing two sets of BSM_FBP508S, each of the mirrors being mounted on with 90° difference, users can demonstrate 100% reproducibility of both the Mach-Zehnder (red line) and the Michelson (blue line) interferometer by simply replacing the two sets of the BSM_FBP508S.

Combination of BSM_FBP508S and FBP1000S offers you removable optical assembly which is designed for 2" optical height. The precise mechanical design provides you 100% repeatability, perfect compatibility, and high reliability.

BSM_FBP508S

1" Beam Splitter Mount



Material	Extra Super Duralumin (ESD)
Surface Finish	Anodized (color: FMD blue, sandblasted)
Thickness	36.8 mm
Weight	Approx. 104 g (except the optics)
Optics	φ1", Thickness: 5 to 9.5 mm
Transmitted Light	φ23 (Straight) , φ15.5 mm (45°)
Mounting Method	M4 Cap screw, 15 mm Long
Adjustment Screw	0.15 mm pitch screws (170TPI)
Adjustment Angle	±3°
Angular Resolution	0.00063° (11.6 mrad) when rotated 1° 0.239° by one revolution
Remarks	<ul style="list-style-type: none"> • Mirror symmetry model is available. • Combination with FBP1000S+BE1/M makes the height of light axis 2". (Shown in the drawing) • Available to use for transmitted light (Bidirectional from both right and left-side in the same time) • M-Ring is equipped. (Patent No. 4963071, JP) • Soft-lock Mechanism is employed. (Patent application No. 2005-352867, JP) • Evaluation data measured by laser interferometer is attached to each product. • Ultra-fine adjustment with almost no backlash can be made by using the φ12 knobs attached to both tilting and rotating directions and the specially designed FMD tool SCR-ADJ.