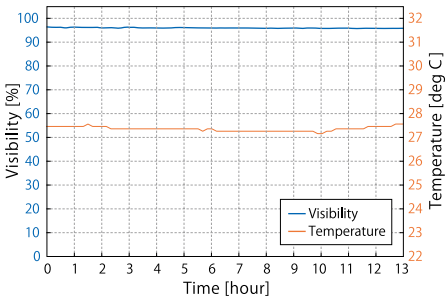
1" Mirror Mount

MH100IH_254



Stability data

The reference data is only attached to prototype MH100IH_254, not for every product. (We do not attach the data for each products as we do for MM1000S and BSM1000S).

Small Type
Over Knob: OVK_18

Large Type
Ovver Knob: OVK_29

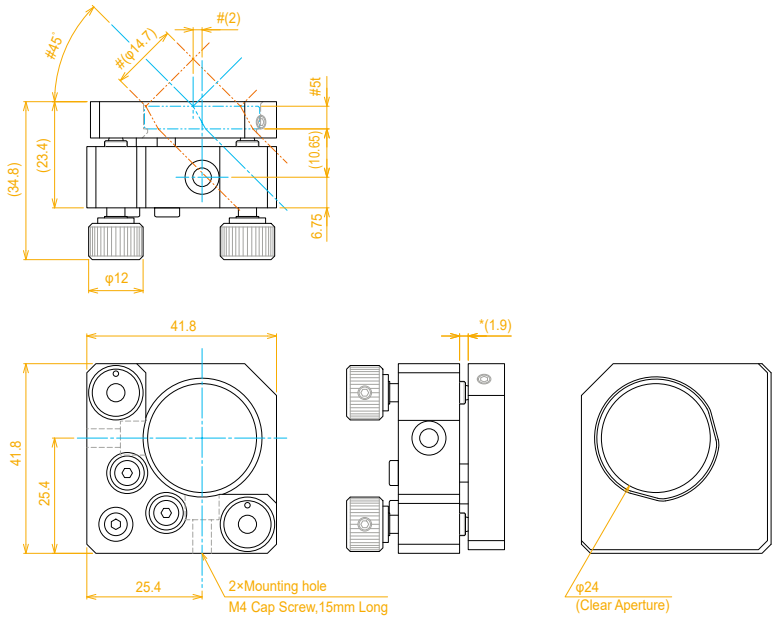
Over Knob attachment is available.

For vacuum applications (MH100IH_254V)

FMD has launched reasonable 1" mirror mount for cutting-edge researches, based on MM1000S technology. Typical evaluation data shows ultra-stable visibility as shown in the lower left. MH100IH_254 can be used in left-handed or right-handed orientations by just changing the mounting surface. Because of its compact design, MH100IH_254 mirror mount is useful and space effective. Ultra-precise three 9.15 mm pitch screws are equipped as in MM1000S and BSM1000S. Finer adjustment can be made by using our Over Knobs (option).

MH100IH_254

1" Mirror Mount



Material	Extra Super Duralumin (ESD)
Surface finish	Anodized (color: gray, sandblasted)
Thickness	34.8 mm
Weight	Applox. 85 g (except the optics)
Optics	ϕ1", Thickness: 5 to 9.5 mm
Transmitted light	ϕ24 (Straight) , ϕ14.7 (45°)
Mounting Method	M4 Cap screw, 15 mm Long
Adjustment Screw	0.15 mm pitch screw (170TPI)
Adjustment Angle	±3°
Angular Resolution	0.000823° (14.4 mrad) (the displacement when rotated 1°, 0.296° by one revolution)
Remarks	• Soft-lock Mechanism is employed. (Patent application No. 2005-312867, JP) • A model without knobs (MH100IH_254HW) is available. • MH100IH_254HW can be adjusted by using a hexagon wrench and a specially designed FMD tool SCR_ADJ. • The screws to adjust both tilting and rotating directions of MH100IH_254HW enables super fine adjustment with almost no backlash by using the specially designed FMD tool SCR-ADJ. • Vacuum option is available. Appearance: please see the left side photo. Please ask detailed specifications to us.