

Mirror Mounts

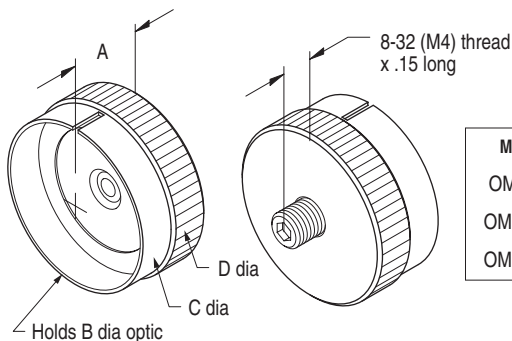
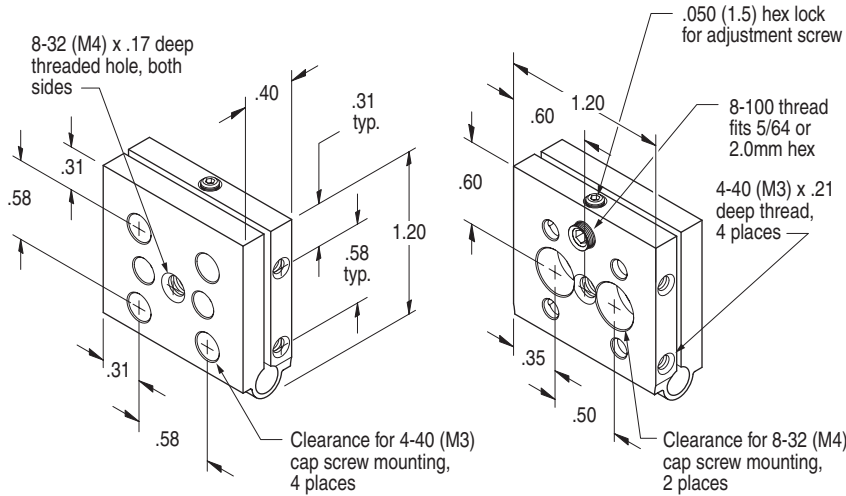
Flexure Mounts

Single-Axis



IXF.S and OMH.T Series

Note that dimensions in parentheses (mm) reflect metric assembly features



Model	A	B	C	D
OMH.5T	.30	.50	.53	.56
OMH.75T	.35	.75	.78	.81
OMH.1.0T	.38	1.00	1.03	1.06



Flexure Mounts, Single-Axis

The IXF.S single-axis flexure is designed with the same features as our popular IXF. We have split the two-axis design into a modular design that is useful where only one-axis for tilt is required. The base of the IXF.S has a single 8-32 (M4) tapped hole for mounting, as well as one on the top for attachment. Also included are two counterbored holes that can be accessed from the top for mounting to our .25dt dovetail and .5cr crossed roller stages for translation. On the edge of this mount are 4-40 tapped holes that correspond with clearance counterbores that are accessed from the bottom. These are used to create upright tip/tilt mounts as shown in the insert on this page.

These mounts use our 100TPI rolled thread adjustment screws for low stiction fine adjustments and are swaged at the end to prevent over-travel of the mount. The IXF.S series mounts are manufactured from one solid piece of spring steel, then nickel plated so they will not corrode and can be used in ultraviolet laser environments.

These models are also available in aluminum versions as a lower cost option. Aluminum models exhibit the same performance specifications as the steel models. Custom OEM configurations are available in the aluminum version only.

Product Features

- Modular design
- 100TPI lockable adjustment screw
- Monolithic construction

Performance Specifications, both i and a versions

Travel	5°
Minimum controllable motion	4.5 arc sec.

Related Products

.25dt series dovetail stages	38
.5cr series crossed roller stages	48

Order Information

single-axis flexure mount	IXF.Si
Aluminum models	
single-axis flexure mount	IXF.Sa
optic mount, 0.5-inch	OMH.5T
optic mount, 0.75-inch	OMH.75T
optic mount, 1.0-inch	OMH.1.0T

Metric Option — for metric assembly features on this product, add 'M' after model number.