

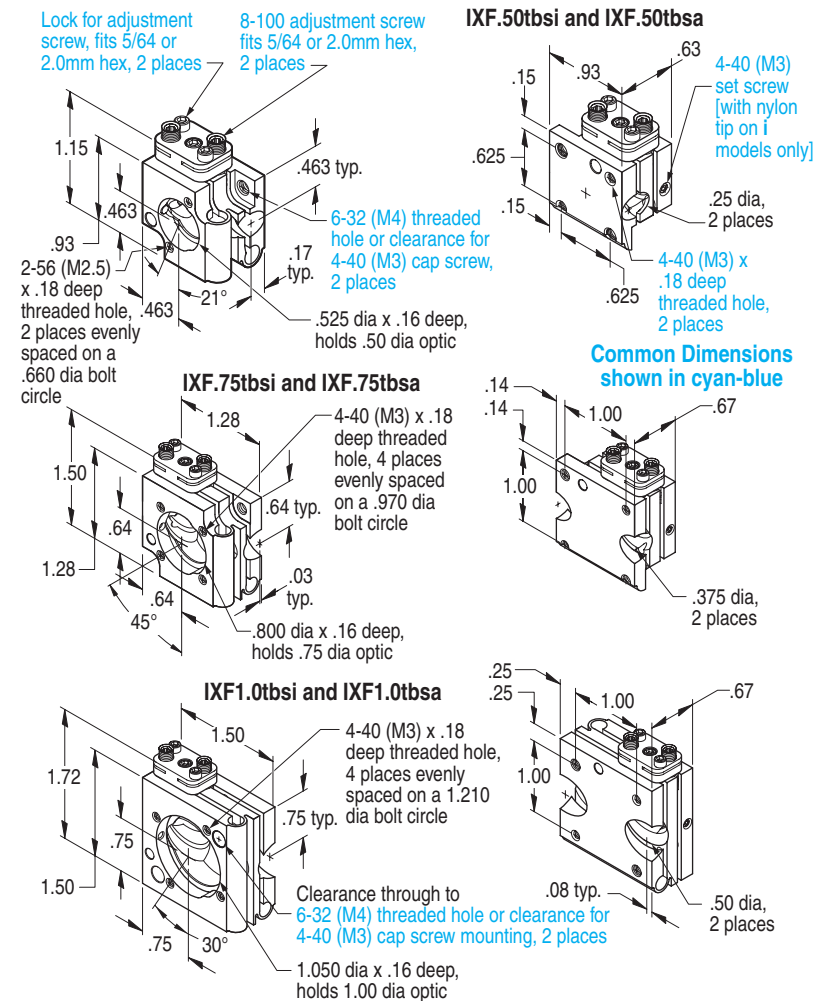
# Mirror Mounts

## Flexure Mounts

## Beamsplitter, Top Adjustable

### 0.5- to 1.0-inch optic / IXFtbs Series

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



### Product Features

- Built-in 45° clear apertures
- Monolithic construction
- 100TPI lockable adjustment screws

### Performance Specifications, also for a versions

Model	Pitch	Yaw	Minimum controllable motion
IXF.50tbsi	6°	6°	8.2 arc sec.
IXF.75tbsi	6°	6°	5.5 arc sec.
IXF1.0tbsi	5°	5°	4.5 arc sec.

### Related Products

IXFmb series mounting blocks	242
IXFab series angle brackets	246

### Order Information

0.5-inch optic, beamsplitter, top adjust	IXF.50tbsi
0.75-inch optic, beamsplitter, top adjust	IXF.75tbsi
1.0-inch optic, beamsplitter, top adjust	IXF1.0tbsi
<i>Aluminum models</i>	
0.5-inch optic, beamsplitter, top adjust	IXF.50tbsa
0.75-inch optic, beamsplitter, top adjust	IXF.75tbsa
1.0-inch optic, beamsplitter, top adjust	IXF1.0tbsa

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

## Flexure Mounts, Beamsplitter, Top Adjustable

The IXFtbs series are a new version of our popular IXFi monolithic flexure mounts. This new variation incorporates the same features as our IXFi but has the tip/tilt adjustments moved to create a top adjusted flexure. This feature is ideal for applications where accessibility to the mount is limited and our standard model can't be accessed. Built into the top adjustment mechanism is a simple split-clamp lock for the 100TPI adjustment screws. These locks work best when they are pre-loaded prior to adjustment, adjustment made, then locked in place. We have also added clear aperture cutouts to maximize beam clearance for beamsplitter applications. These cutouts are set at 45°, but are large enough to accommodate beam angle variations of ±5°. 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 IXFtbs 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 version; for "flight" or vacuum applications. Aluminum models exhibit the same performance specifications as the steel models. Custom OEM versions available in steel and aluminum.