Mirror Mounts

Bases

Ontical Basenlates

Optical Rails and Carriers

Rod Mounting Systems

Post, Post Holders, Clamps

Five-Axis Optical Mounts

- Lockable 5-axis optical positioning
- True gimbal tip/tilt adjustments
- Optional baseplates for slotted hole mounting

For the ultimate in five-axis positioning of lenses and other optics, our five-axis optical positioners provide stable XYZ and gimbaled azimuth and elevation adjustment.



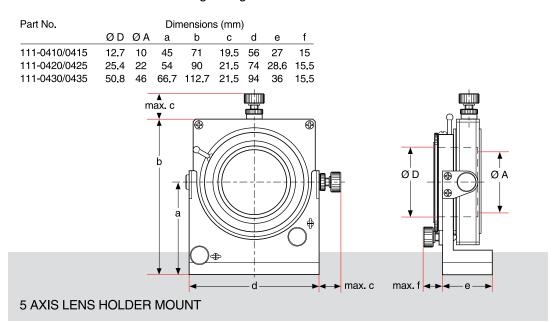


5-axis optical mounts

The innovative design yields true gimbal positioning about two orthogonal coplanar axes. The five independent axes allow you to control the positioning an optic in any plane along any axis.

Translation in X, Y, azimuth and elevation is accomplished with a high resolution 100-pitch thumb screw. Positioning along the optical axis or Z direction is non-rotational by use of a zoom lever attached to the mount housing. The positioning mechanisms in all three linear axes are lockable to secure your optics position once alignment has been achieved.

We offer five-axis mounts to hold 1/2 inch, 1 inch and 2 inch optics. In addition, the adapters on page 246 may be purchased to mount optics of different diameters. All mounts have inch or metric threaded holes on the bottom to accommodate our post and post holder mounting system. Optional baseplates are offered on page 246 to provide convenient slotted hole mounting configurations.



| 5-Axis I | _ens H | older Mo | ount | | | INCH | METRIC |
|----------|--|----------|---------------------------|-----------------------------|-------|----------------|----------------|
| | To Hold Lens Diameter, D (inches) (mm) | | Azimuth Range (deg) | Elevation Range (deg) | Price | PART NUMBER | PART NUMBER |
| 0.5 | 12.7 | 6 | 4 | 10 | | 111-0410 | 111-0415 |
| 1.0 | 25.4 | 6 | 6 | 8 | | 111-0420 | 111-0425 |
| 2.0 | 50.8 | 6 | 6 | 6 | | 111-0430 | 111-0435 |

Specifications & Tolerances

Dimensions: ±0.2mm Finish: Black anodized Material: Aluminum Azimuth & elevation per rotation: 39arcmin, 0.5 inch mount 30arcmin, 1 inch mount 22arcmin, 2 inch mount

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Mirror Mounts

- Optic Holders
- Optical Baseplates
- Optical Rails and Carriers

Bases

Rod Mounting Systems

Post, Post Holders, Clamps

Three-Axis Optical Mounts

- Lockable 3-axis optical positioning
- High resolution 100-pitch adjustment screws
- Optional baseplates for slotted hole mounting

For the ultimate in three-axis positioning of lenses and other optics, our three-axis optical positioners provide stable XYZ adjustment. The three independent axes allow you to







3-axis optical mounts

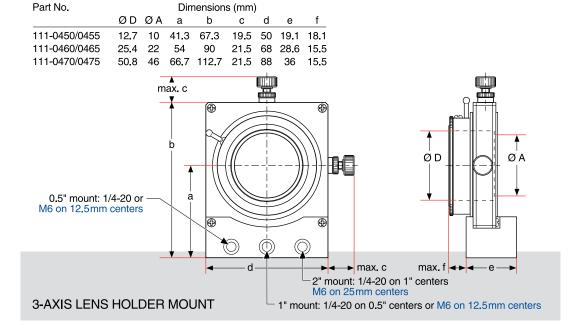
control the positioning an optic in any plane along each orthogonal axis.

XY translation is accomplished with a high resolution 100-pitch thumb screw. Positioning along the optical axis or Z direction is non-rotational by use of a zoom lever attached to the mount housing. The positioning mechanisms in all three linear axes are lockable to secure your optics position once alignment has been achieved.

We offer three-axis mounts to hold 1/2 inch, 1 inch and 2 inch optics. In addition, the adapters on page 272 may be purchased to mount optics of different diameters. All mounts have inch or metric threaded holes on the bottom to accommodate our post and post holder mounting system. Optional baseplates are offered on page 245 to provide convenient slotted hole mounting configurations.



Dimensions: ±0.2mm Finish: Black anodized Material: Aluminum



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| 3-Axis | Lens H | older Moun | INCH | METRIC | | |
|-------------------|---------------------------|--------------------|-------------------|--------|----------------------------------|----------------------------------|
| | d Lens eter, D (mm) | Zoom Range (mm) | XY Range, (mm) | Price | PART NUMBER | PART NUMBER |
| 0.5 1.0 2.0 | 12.7 25.4 50.8 | 6 6 6 | 4 6 6 | | 111-0450 111-0460 111-0470 | 111-0455 111-0465 111-0475 |

Mirror Mounts

Optical Baseplates Optical Rails and Carriers

Rod Mounting Systems Post, Post Holders, Clamps

Bases

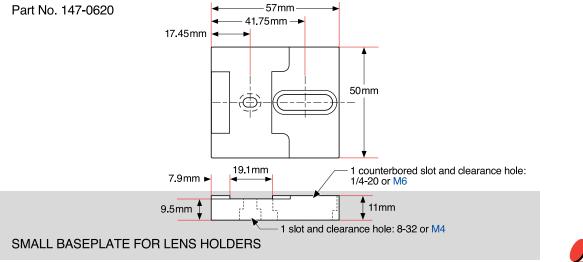
3 and 5-Axis Optical Mount Baseplates and Inserts



mount insert for your application.

Specifications & Tolerances

Dimensions: ±0.2mm Finish: Black anodized Material: Aluminum



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Mirror Mounts

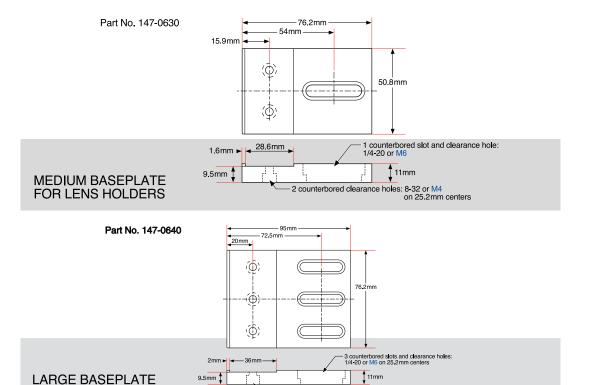
Optical Baseplates

Optical Rails and Carriers

Bases

Rod Mounting Systems

Post, Post Holders, Clamps





FOR LENS HOLDERS

| Dimensions, a x b (inches) (mm) | | | | | | Price | PART NUMBER |
|------------------------------------|--|---------------|----------------------------|----------------------|----------------------------------|---------------|----------------|
| 3.00 | 2.24 x 1.9757.0 x 50.03.00 x 2.0076.2 x 50.83.74 x 3.0095.0 x 76.2 | | | | 147-0620 147-0630 147-0640 | | |
| Part No. | D | А | sions (mm b | d | | b b | |
| 111-0510 111-0520 111-0530 | Ø 10 M20.32 Ø 30 | 8 16 27 | Ø 12.7 M26.25 M51.65 | 12.7 25 49 | | | - |
| 111-0540 111-0550 111-0560 | M29 M34 M50.8 | - | - | 50.8 50.8 76.2 | | Ød ØA Ø | D |
| | | | | | | | _ |
| LENS HOLDER INSERTS | | | | | | | |

- 3 counterbored clearance holes: 1/4-20 or M6 on 25.2mm centers

Lens Holder Inserts

To Hold Lens Clear Outer Thread PART Diameter, D Diameter, b Aperture, A Diameter, d Price NUMBER (mm) (mm) (mm) (mm) 8.0 12.7 none 111-0510 10.0 microscope objective 25.0 M26.25 111-0520 16.0 30.0 49.0 M51.65 111-0530 27.0 M29 thread 50.8 111-0540 -111-0550 M34 thread 50.8 --111-0560 M50.8 thread 76.2 38.1 35.0 49.0 M51.65 112-0480

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