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Newport Products Resources Support



# New Focus Classic Mirror Mounts

OVERVIEW PRODUCTS FEATURES ACCESSORIES RESOURCES RELATED

New Focus Classic mirror mounts only look conventional. The combination of a proprietary precision 1/4-80 adjustment screw design, sapphire seats, and thick frames gives superior stability and exact adjustment.

- Closed-aperture mount deisgn
- Thread-matched 80-TPI adjusters
- Low-friction sapphire pads on kinematic surfaces
- Extra stiff frames minimize deflection during alignment

See All Features



| Compare | Model | Drawings, CAD & Specs | Optic Diameter | Drive Type | Adjustments | Sensitivity | Special Features | Availability | Price | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 9773 Valu Center Mirror Mount, 1.0 inch Diameter, 2 Knob Adjustment | | 25.4 mm | Knob, non-locking | θx, θy | 4.4 arc sec | Center Mount | In Stock | $81 | 1 Cart |
| | 9807 Classic Center Mirror Mount, 1.0 in., 3 Knob Adjustment | | 25.4 mm | Knob, non-locking | z, θx, θy | 4.4 arc sec | Center Mount | In Stock | $106 | 1 Cart |
| | 9807-C Classic Center Mirror Mount, 1.0 in., 3 Micrometer Adjustment | | 25.4 mm | Micrometer | z, θx, θy | 4.4 arc sec | Center Mount | 1 Week | $390 | 1 Cart |
| | 9807-K Classic Center Mirror Mount, 1.0 in., 3 Allen-Key Adjustment | | 25.4 mm | Allen-Key, non-locking | z, θx, θy | 4.4 arc sec | Center Mount | In Stock | $106 | 1 Cart |
| | 9807-L Classic Center Mirror Mount, 1.0 in., 3 Locking Knobs | | 25.4 mm | Knob, locking | z, θx, θy | 4.4 arc sec | Center Mount | In Stock | $169 | 1 Cart |
| | 9807-PK Classic Center Mirror Mount, 1.0 in., 3 Knob Adjustment, Pack of 10 | | 25.4 mm | Knob, non-locking | z, θx, θy | 4.4 arc sec | 10-Pack | In Stock | $946 | 1 Cart |
| | 9855 Classic Center Mirror Mount, 2.0 in., 3 Knob Adjustment | | 50.8 mm | Knob, non-locking | z, θx, θy | 3.6 arc sec | Center Mount | In Stock | $200 | 1 Cart |
| | 9855-K Classic Center Mirror Mount, 2.0 in., 3 Allen-Keys | | 50.8 mm | Allen-Key, non-locking | z, θx, θy | 3.6 arc sec | Center Mount | In Stock | $200 | 1 Cart |

SHOW LESS

## Features

### Thread-matched Adjusters

Since grease can migrate, causing long-term creep, our Classic mounts are exclusively fitted with thread-matched adjustment screws which take almost no grease. The result is actuators that have very smooth, wobble-free movement, high precision, and mounts with exceptional long-term and thermal stability.





### Sapphire Kinematic Pads

Sapphire kinematic pads are used in all New Focus Classic mounts to create contact surfaces for the adjustment screws that have very low friction and will not will not dent under normal use. Sapphire, one of the smoothest and hardest materials on earth, ensures excellent adjustability and stability.

### 10% Instant Savings on 10-Pack

Ideal for when you are starting a new lab, the 9807 mirror mount is also sold in a cost-saving pack of 10, providing a built-in discount of 10%. Check out more cost-saving packs at www.newport.com/packs




## Accessories

### Inserter Stages

| Compare | Description | Drawings, CAD & Specs | Avail. | Price | |
|---|---|---|---|---|---|
| | LNS-1 Optic Inserter Stage, 8-32 Thread | | In Stock | $392 | 1 Cart |
| | M-LNS-1 Optic Inserter Stage, M4 Thread | | In Stock | $392 | 1 Cart |

### Precision Spacers

| Compare | Description | Drawings, CAD & Specs | Avail. | Price | |
|---|---|---|---|---|---|
| | SP-KT Precision Optical Post/Pedestal Spacer Kit | | In Stock | $211 | 1 Cart |
| | PS-0.125 Optical Pedestal Spacer, 0.125 in. Thick, 1 in. Dia., 8-32 (M4) CLR | | In Stock | $8 | 1 Cart |
| | PS-0.063 Optical Pedestal Spacer, 0.0625 in. Thick, 1 in. Dia., 8-32 (M4) CLR | | In Stock | $7 | 1 Cart |
| | PS-0.031 Optical Pedestal Spacer, 0.03125 in. Thick, 1 in. Dia., 8-32 (M4) CLR | | In Stock | $7 | 1 Cart |
| | PS-0.25 Optical Pedestal Spacer, 0.250 in. Thick, 1 in. Dia., 8-32 (M4) CLR | | In Stock | $8 | 1 Cart |
| | PS-Q Optical Pedestal Cube, 8-32 Mounting Holes | | In Stock | $34 | 1 Cart |

### Optic Adaptors

| Compare | Description | Drawings, CAD & Specs | Avail. | Price | |
|---|---|---|---|---|---|
| | UPA-SMA Fiber Adaptor, SMA, 25.4 mm Diameter, 5.1 mm Thick | | Contact Us | $33 | 1 Cart |
| | UPA-CH1 Cube Beamsplitter Holder, 1 inch, For U100A Mount | | In Stock | $75 | 1 Cart |
| | UPA-FC 0.250 in. Fiber Chuck Adaptor for 1 in. Optic Mounts | | In Stock | $19 | 1 Cart |
| | UPA-45D1 1 in. (25.4 mm) 45° Mirror Holder | | In Stock | $45 | 1 Cart |
| | 9924 45° Mirror Adapter, 2 in.(50.8-mm) | | In Stock | $84 | 1 Cart |
| | 9920 45° Mirror Adapter, 1 in. (25.4 mm) | | In Stock | $40 | 1 Cart |

### Adjustment Knobs

| Compare | Description | Drawings, CAD & Specs | Avail. | Price | |
|---|---|---|---|---|---|
| | 9361 Removable Knob Set, Standard Adjustment Screw, Quantity 3 | | In Stock | $17 | 1 Cart |

### Additional New Focus Mounts

| Compare | Description | Drawings, CAD & Specs | Avail. | Price | |
|---|---|---|---|---|---|
| | 9816-6 Stability Center Mirror Mount, 1.0 in., Anodized Lab Frame, 3 Knobs | | In Stock | $190 | 1 Cart |
| | 9809NF Classic Corner Mirror Mount, 1.0 in., 3 Knob Adjustment | | In Stock | $109 | 1 Cart |
| | 9808 Classic Corner Mirror Mount, 0.5 in., 3 Knob Adjustment | | In Stock | $109 | 1 Cart |
| | 9852 Classic Corner Mirror Mount, 2.0 in., 3 Knob Adjustment | | In Stock | $201 | 1 Cart |
| | 9884 Pint-Sized Corner Kinematic Mirror Mount, 1.0 in., 3 Knob Adjust | | In Stock | $131 | 1 Cart |
| | 9812 Gimbal Mirror Mount, 1.0 in. Diameter, 2 Knob Adjustment | | In Stock | $120 | 1 Cart |
| | 9853 Gimbal Mirror Mount, 2.0 in. Diameter, 2 Knob Adjustment | | In Stock | $201 | 1 Cart |

## Resources

**Selection Guides**

Optical Mirror Mount Guide

## Related Products



Broadband Metallic Mirrors



1.0 in. PX Forkless Optical Pedestals and Posts



Translating Gimbal Mirror Mounts



Low Wavefront Distortion Top Adjust Mounts



Solid Aluminum Optical Breadboard Plates



Suprema® Classic Low-Drift Mirror Mounts

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