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# 108.0mm/4.25" Optic Dia., Optical Cell Kinematic Mount



Stock **#57-872** **4 In Stock**

-

1

+

₹71,516

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| Qty 1-9        | ₹71,516 each                  |
| Qty 10-19      | ₹62,890 each                  |
| Qty 20-49      | ₹57,888 each                  |
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Product Downloads

| General               |                 |
|-----------------------|-----------------|
| Adjustable - Tip-Tilt | Type:           |
| Circular              | Type of Optics: |
| 5°                    | Range:          |

|                                          |                                           |
|------------------------------------------|-------------------------------------------|
| 4.625 x20 TPI                            | Inner Diameter (inches):                  |
|                                          |                                           |
| #57-871 Required                         | Optic Holding Style:                      |
|                                          |                                           |
| Physical & Mechanical Properties         |                                           |
|                                          |                                           |
| 4.06 (#57-871)                           | Clear Aperture CA (inches):               |
|                                          |                                           |
| 103.1 (#57-871)                          | Clear Aperture CA (mm):                   |
|                                          |                                           |
| 85.9                                     | Optical Centerline (mm):                  |
|                                          |                                           |
| 5.75 x3.00 x6.25                         | Dimensions (inches):                      |
|                                          |                                           |
| 146.1 x76.2 x158.8                       | Dimensions (mm):                          |
|                                          |                                           |
| 3.0                                      | Weight (lbs):                             |
|                                          |                                           |
| Black Anodized Aluminum, Stainless Steel | Construction:                             |
|                                          |                                           |
| 4.25                                     | Diameter of Compatible Optics (inches):   |
|                                          |                                           |
| 3.38                                     | Optical Centerline (inches):              |
|                                          |                                           |
| 22.0 (#57-871)                           | Max. Thickness of Compatible Optics (mm): |
|                                          |                                           |
| 0.015                                    | Adjustment Screw Pitch (inches):          |
|                                          |                                           |
| Threading & Mounting                     |                                           |
|                                          |                                           |
| 108.0                                    | Size of Compatible Optics (mm):           |
|                                          |                                           |
| Regulatory Compliance                    |                                           |
|                                          |                                           |
| Compliant                                | RoHS 2015:                                |
|                                          |                                           |
| View                                     | Certificate of Conformance:               |
|                                          |                                           |

## Product Details

- Robust Kinematic Mounts for Larger Diameter Optics
- Ball Pivot and Fine Pitch Screws Provide Pitch and Roll
- 50% Greater Resolution than Micrometer Adjustments

Optical Cell Kinematic Mounts provide highly stable kinematic movement with two axis tilt (pitch and roll) provided by a precise ball pivot adjustment and an orthogonal three-point suspension. Adjustment is made by three 64-pitch screws (two 64-pitch screws for 1-2" diameter model). For the 6" diameter model, adjustment is made by two 64-pitch screws for and with three 32-pitch screws for 8" up to 12.5" diameter models. Optical Cell Kinematic Mounts feature fine pitch screws, which permit 50% greater resolution than a micrometer. An angled base on the mount allows for stand-alone installation and mounting. These mounts have integral optic cell design allowing optics to be held undistorted.

**Note:** For mounting 12" diameter optics in our 12.5" Diameter Optical Mount, use the 12.5" to 12" Adapter Kit (#12-226). The Adapter Kit and 12.5" Diameter Optical Mount are offered together as #12-227.

## Technical Information

| Optic Diameter | A            | B    | C    | D    | E    | F    | G    | H    | I | J    | K | Stock No. |
|----------------|--------------|------|------|------|------|------|------|------|---|------|---|-----------|
| 1-2"           | 2.25-20 TPI  | 3.75 | 2.00 | 2.00 | 0.38 | 2.00 | 3.50 | 0.28 | - | 2.12 | - | #53-964   |
| 3"             | 3.25-20 TPI  | 5.75 | 3.00 | 4.00 | 1.25 | 3.38 | 6.25 | 0.28 | - | 5.00 | - | #53-965   |
| 4.25"          | 4.625-20 TPI | 5.75 | 3.00 | 4.00 | 1.25 | 3.38 | 6.25 | 0.28 | - | 5.00 | - | #57-872   |

1" - 4.25" Angled Optical Cell Mounts



Units: inches

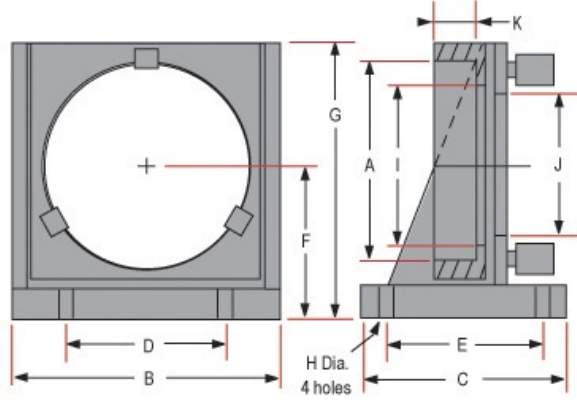
4.25" Straight Optical Cell Mount



Units: inches

| Optic Diameter | A            | B     | C    | D     | E    | F    | G     | H    | I     | J     | K    | Stock No.               |
|----------------|--------------|-------|------|-------|------|------|-------|------|-------|-------|------|-------------------------|
| 6"             | 6.187-32 TPI | 8.00  | 6.00 | 5.00  | 5.00 | 4.50 | 8.00  | 0.28 | 5.75  | 6.00  | 1.19 | <a href="#">#36-474</a> |
| 8"             | 8.06         | 12.00 | 7.00 | 10.00 | 6.00 | 6.25 | 11.50 | 0.28 | 7.62  | 9.00  | 1.60 | <a href="#">#36-476</a> |
| 10"            | 10.06        | 16.00 | 8.00 | 12.00 | 6.00 | 8.00 | 15.00 | 0.53 | 9.58  | 12.50 | 1.75 | <a href="#">#36-478</a> |
| 12.5"          | 12.56        | 16.00 | 8.00 | 12.00 | 6.00 | 8.00 | 15.00 | 0.53 | 12.08 | 12.50 | 2.13 | <a href="#">#36-480</a> |

8" - 12.5" Angled Optical Cell Mounts



Units: inches