

## 75.0/76.2mm Optic Dia., Optical Cell Kinematic Mount



Stock #53-965 **5 In Stock**

⊖ 1 ⊕ **S\$826<sup>00</sup>**

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### Volume Pricing

Qty 1-9	<b>S\$826.00</b> each
Qty 10-19	<b>S\$785.82</b> each
Qty 20-49	<b>S\$762.58</b> each
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### Product Downloads

#### General

Adjustable - Tip-Tilt **Type:**

Circular **Type of Optics:**

5° **Range:**

3.25 x 20 TPI **Inner Diameter (inches):**

[#36-466](#) Required **Optic Holding Style:**

## Physical & Mechanical Properties

2.81 ([#36-466](#)) **Clear Aperture CA (inches):**

71.4 ([#36-466](#)) **Clear Aperture CA (mm):**

85.9 **Optical Centerline (mm):**

5.75 x 3.00 x 6.25 **Dimensions (inches):**

146.1 x 76.2 x 158.8 **Dimensions (mm):**

3.0 **Weight (lbs):**

**Construction:**  
Black Anodized Aluminum, Stainless Steel

3.00 **Diameter of Compatible Optics (inches):**

3.38 **Optical Centerline (inches):**

22.0 ([#36-466](#)) **Max. Thickness of Compatible Optics (mm):**

0.015 **Adjustment Screw Pitch (inches):**

## Threading & Mounting

75.00 - 76.20 **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	-	<a href="#">#53-964</a>
3"	3.25-20 TPI	5.75	3.00	4.00	1.25	3.38	6.25	0.28	-	5.00	-	<a href="#">#53-965</a>
4.25"	4.625-20 TPI	5.75	3.00	4.00	1.25	3.38	6.25	0.28	-	5.00	-	<a href="#">#57-872</a>

**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