

TECHSPEC® 12.5/12.7mm Diameter Rotation Kinematic Mount, 3-Screws



12.5/12.7mm Diameter Rotation Kinematic Mount, 3-Screws, #36-638

Stock **#36-638** **17 In Stock**

⊖ 1 ⊕ **S\$260⁰⁰**

ADD TO CART

Volume Pricing	
Qty 1-4	S\$260.40 each
Qty 5-9	S\$234.36 each
Qty 10+	S\$216.44 each
Need More?	Request Quote

Product Downloads

General

Adjustable - Rotary & Tip-Tilt **Type:**

Circular **Type of Optics:**

3 **Number of Adjustment Screws:**

Physical & Mechanical Properties

10.0	Clear Aperture CA (mm):
9.0	Travel (mm):
360	Coarse Rotation (°):
Construction: Aluminum plates, stainless steel screws, and brass thread bushings	
±5	Fine Tilt Angle (°):
±5	Fine Tip Angle (°):
4	Sensitivity per 1° Knob Rotation (arcsec):
0.25	Adjustment Screw Pitch (mm):
Yes	1" Optical Axis Height:
1.8	Min. Thickness of Compatible Optics (mm):
1.3	Pointing Stability (μrad):

Optical Properties

0.4 per 0.25mm turn **Angle Tolerance (°):**

Threading & Mounting

12.5 - 12.7 **Size of Compatible Optics (mm):**

0.535 x40 TPI (SM05) **Thread Type:**

M4 x0.7, 8-32 **Compatible Post:**

Environmental & Durability Factors

<5 **Thermal Stability (μrad):**

Regulatory Compliance

RoHS 2015:
[Compliant](#)

Certificate of Conformance:
[View](#)

Reach 233:
[Compliant](#)

Need different specs or modifications?

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

Product Details

- 360° Continuous Optic Rotation
- 25.4mm Centerline Height
- 5° Graduations

TECHSPEC® Rotation Kinematic Mounts provide precision control when positioning an optical element. These mounts utilize 100 TPI adjustment screws to offer precise motion control with a tip/tilt range of ±5 arcmin. Continuous 360° optic rotation is achieved through a custom designed optic cell and Teflon ring subassembly. TECHSPEC® Rotation Kinematic Mounts employ retainer ring mounting for evenly distributed pressure on the optics circumference. Available for 25.4mm and 12.7mm diameter optics, these components provide a convenient method for cylinder lens or polarizer optic mounting.