

TECHSPEC® 50.0/50.8mm Optic Dia., Kinematic Mount, 3-Screws



50/50.8mm Diameter Kinematic Mount, 3-Screws, #58-855

Stock **#58-855** **20+ In Stock**

⊖ 1 ⊕ £125⁰⁰

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Volume Pricing	
Qty 1-4	£125.60 each
Qty 5-9	£113.04 each
Qty 10+	£104.32 each
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Product Downloads

General

Adjustable - Tip-Tilt

Type:

Circular

Type of Optics:

Number of Adjustment Screws:

3

Available in Quick Start Kit: [#17-524](#)

Note:

Physical & Mechanical Properties

45.9 Clear Aperture CA (mm):

Z-Axis: 12 Travel (mm):

Construction:
Aluminum Plates, Stainless Steel Screws, and Brass Thread Bushings

±5 Fine Tilt Angle (°):

±5 Fine Tip Angle (°):

2.3 Sensitivity per 1° Knob Rotation (arcsec):

0.25 Adjustment Screw Pitch (mm):

2.0 Min. Thickness of Compatible Optics (mm):

1.3 Pointing Stability (µrad):

Optical Properties

0.2 per 0.25mm turn Angle Tolerance (°):

Threading & Mounting

50.0 - 50.8 Size of Compatible Optics (mm):

M4 x 0.7, 8-32 Compatible Post:

Environmental & Durability Factors

<5 Thermal Stability (µrad):

Regulatory Compliance

[Compliant](#) RoHS 2015:

[Compliant](#) Reach 224:

[View](#) Certificate of Conformance:

Product Details

- 100 TPI Fine Adjustment Screws
- Finger Cuts for Convenience and Accuracy
- Tip/Tilt Range: ±5°

TECHSPEC® Kinematic Optical Mirror Mounts allow precise and accurate adjustment of optical components in a wide range of applications. Each mount features high-accuracy adjustment screws, in either two-screw or three-screw versions, for control of tip and tilt. The three-screw versions specifically allow for additional translation in the optical axis. TECHSPEC® Kinematic Optical Mirror Mounts contain nylon-tipped locking screws (1.5mm hex key included) that prevent damage to the optics and incorporate finger cuts to make the placement of optical components convenient and accurate.

Construction materials ensure quality and repeatability. Stainless steel inserts are used for all adjustment screw contact surfaces and specially designed dampening grease provides smooth movement. Adjustment knobs are removable for Allen Key or motorized adjustment (2mm key size). Included hardware kit contains post-mounting screws and Allen wrenches for adjustment.

These mounts are designed to connect to our [TECHSPEC® Metric Stainless Steel Mounting Posts](#). When the male-thread adapter is removed from the post, either an M4 or 8-32 tapped hole is available to accept the post-mounting screw from the mount.

[TECHSPEC® Optical Mount Accessories](#) are available to easily integrate TECHSPEC® Kinematic Optical Mirror Mounts into a variety of application setups.