

TECHSPEC® 50/50.8mm Sq. Kinematic Mount, 3 Screws



TECHSPEC® Kinematic Square Optical Mounts

Stock #58-861 **13 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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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Adjustable - Tip-Tilt **Type:**

Square **Type of Optics:**

3 **Number of Adjustment Screws:**

Physical & Mechanical Properties

45.9 x 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):**

1.0 **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

RoHS 2015:
[Compliant](#)

Reach 224:
[Compliant](#)

Certificate of Conformance:
[View](#)

Product Details

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

TECHSPEC® Kinematic Square Optical Mounts allow precise and accurate adjustment of optical components. Each mount features high-accuracy adjustment screws in either two (2) or three (3) screw versions for control of tip and tilt. Three screw versions allow additional translation in the optical axis. TECHSPEC Kinematic Square Optical Mounts feature nylon-tipped locking screws (1.5mm hex key included) to prevent damage to the optics, and incorporated finger-cuts 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](#) available to easily integrate TECHSPEC® Kinematic Square Optical Mounts into a variety of application setups.