

**TECHSPEC® 75/76.2mm Metric Tapped Platform**



Stock #58-869 **20+ In Stock**

⊖ 1 ⊕ S\$183<sup>00</sup>

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**General**

Adjustable - Tip-Tilt **Type:**

Square or Rectangular **Type of Optics:**

**Number of Adjustment Screws:**

3

Metric, M6 Tapped **Plate Type:**

## Physical & Mechanical Properties

45.6 **Thickness of Front Plate to C'bore (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):**

28.4 **Thickness of Front Plate to Back Plate (mm):**

1.3 **Pointing Stability (µrad):**

76.2 x 76.2 **Plate Size (mm):**

## Optical Properties

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

## Threading & Mounting

12.7 - 76.2 **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

- Fine Adjustment Screw Threads: 100 TPI
- Removable Turning Knobs for Hex Key Access
- Lockable Adjustment Screws

TECHSPEC® Kinematic Table Platforms are included in our family of TECHSPEC Kinematic Mounts, alongside Optical Mounts. Each mount features high accuracy adjustment screws in either 2-Adjustment screw or 3-Adjustment screw versions. 3-screw versions allow for additional translation in the optical axis. TECHSPEC® Kinematic Table Platforms are available for the most common sizes of English or metric optical components. In addition, C-Thread and T-Thread versions are compatible with our well-known line of mounting components, offering more than 30 additional mounting size options. [Horizontal Adapters](#) allow for quick conversion and maximized clear apertures (19.05 & 38.1mm diameters).

Adjustment Knobs are removable for Allen Key adjustment (2mm key size). Locking nylon-tipped set-screws are all common for easy adjustment (1.5mm hex key included).

Construction materials ensure quality and repeatability. Stainless steel inserts are used for all adjustment screw contact surfaces (compared to commonly used cheaper frame cuts or steel rods, or only one steel contact surface). Specially designed dampening grease for our adjustment screws provides smooth movement and a quality "feel". Nylon contact rods and screws ensure your optical components are not chipped. Brass bushings provide long-term durability with our stainless steel screws.

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 Table Platforms into a variety of application setups.