

TECHSPEC[®] S-Mount Kinematic Mount (3-Screw Adjustment)



S-Mount Kinematic Mount (3-Screw Adjustment) (#11-133)

Stock #11-133 10 In Stock

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1

+

S\$193²⁰

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Volume Pricing	
Qty 1-49	S\$193.20 each
Qty 50+	S\$183.82 each
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Product Downloads

General	
Type:	Tube Mount
Number of Adjustment Screws:	3
Function:	Kinematic (Tip-Tilt)
Physical & Mechanical Properties	
Thickness (mm):	

19.60	
	Travel (mm):
Z-Axis: 6	
Construction: Aluminum Plates, Stainless Steel Screws, and Brass Thread Bushings	
	Fine Tilt Angle (°):
±5	
	Fine Tip Angle (°):
±5	
	Sensitivity per 1° Knob Rotation (arcsec):
7.0	
	Pointing Accuracy (μrad):
1.3	
	Adjustment Screw Pitch (mm):
0.20	
	Aperture Size:
M12 x0.5	
	Height (mm):
23.5	

Threading & Mounting

	Mounting Threads:
M4	
	Thread Type:
S-Mount	
	Compatible Post:
M4 x0.7	

Regulatory Compliance

	RoHS 2015:
Compliant	
	Reach 224:
Compliant	
	Certificate of Conformance:
View	

Product Details

- Allow for Kinematic Adjustment of C, S, and T-Mbunt Components
- Horizontal Mounting Adapters Available
- Removable Turning Knobs for Hex Key Access

TECHSPEC® C, S, and T-Mount Kinematic Mbunts feature high accuracy adjustment screws in either two or three screw versions for control of tip and tilt. Three screw versions allow additional translation in the optical axis (Z-Axis). The C-Mbunt Kinematic Mbunts have 1"-32 TPI female threading to hold C-Mbunt components; the S-Mbunt Kinematic Mbunts have M12 x0.5 threading to hold S-Mbunt components; the T-Mount Kinematic Mbunts have M42 x0.75 threading to hold T-Mbunt components. All three mounts use fine adjustment, 100+ TPI, screws to provide ±5° of tip/tilt, and high quality construction and 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). TECHSPEC® C, S, and T-Mbunt Kinematic Mbunts are designed to connect to our [TECHSPEC® Optical Posts](#). For C-Mbunt and T-Mount types, 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. For the S-Mbunt types, an M4 hole is available for mounting.

Note: Included hardware kits contain appropriate post mounting screws and Allen wrenches for adjustment. [TECHSPEC® Optical Mount Accessories](#) are available to easily integrate TECHSPEC® C, S, and T-Mount Kinematic Mbunts into a variety of applications.