

**TECHSPEC® 30mm, Center Drive, Standard Top, 0.25" Travel, Metric Micrometer**



Stock #83-505 **11 In Stock**

⊖ 1 ⊕ C\$613<sup>20</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-2	C\$613.20 each
Qty 3+	C\$534.80 each
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Product Downloads

**General**

Type:  
Metric

**Physical & Mechanical Properties**

Type of Movement:  
Linear (X)

Guide System:  
Crossed Roller Bearing

Drive Orientation:  
Center Drive

30 x 30	<b>Stage Size (mm):</b>
6.5	<b>Travel (mm):</b>
M6 x 1	<b>Center Hole:</b>
Aluminium Stage	<b>Construction:</b>
0.5	<b>Leadscrew Pitch (mm):</b>
3	<b>Load Capacity (kg):</b>
1.18 x 1.18	<b>Stage Size (inches):</b>
2	<b>Straight Line Accuracy (µm):</b>
30	<b>Pitch (arcsec):</b>
25	<b>Yaw (arcsec):</b>

## Hardware & Interface Connectivity

Metric Micrometer	<b>Type of Drive:</b>
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## Threading & Mounting

(1) M6 x 1, (6) M2 x 0.4	<b>Mounting Threads:</b>
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## Regulatory Compliance

<a href="#">Exempt</a>	<b>RoHS 2015:</b>
<a href="#">View</a>	<b>Certificate of Conformance:</b>
<a href="#">Contains SVHC(s)</a>	<b>REACH 241:</b>

## Product Details

**Z bracket** is sold separately for Z-axis setup. **Bottom adapter plate**, sold separately, is required to mount to a standard breadboard.

- Four Sizes Ranging from 30 x 30mm to 125 x 125mm
- English and Metric Hole Patterns Available
- Micrometer and Lead Screw Drive Options
- Easily Configured into X-Y and X-Y-Z Configurations

TECHSPEC® Crossed-Roller Bearing Linear Translation Stages (Standard-Top Model) feature an advanced crossed roller bearing guide system, which provides a high level of accuracy, rigidity and load capacity. This advanced guide system allows for these stages to offer precise positioning with straight line accuracy of 2µm. TECHSPEC® Crossed-Roller Bearing Linear Translation Stages (Standard-Top Model) are designed to integrate with other stage sizes as well as with TECHSPEC® Manual Translation Stages, providing enhanced flexibility and allowing the user to create any number of axes in different configurations. The standard-top model of these translation stages are available with an English ¼-20 TPI hole pattern and Metric hole pattern model with an M6 center mounting hole.

All translation stages are class 100 (ISO 5) clean room compatible and available with a micrometer or lead screw drive with either center or side drive configuration. Leadscrew drives offer 0.5mm pitch. Metric micrometers offer 0.5mm pitch with 0.01mm divisions, and English micrometers offer 0.025" pitch with 0.001" divisions.

**TECHSPEC Z-Axis Brackets** are available to use with our translation stages to configure your own X-Y-Z multi-axis positioning system. TECHSPEC Bottom Adapter Plates provide an easy and convenient way of mounting 30mm and 40mm stages to standard breadboards. No adapter plate is required for our 70mm and 125mm translation stages which can be mounted directly onto breadboards.

## Technical Information

Bottom Stage	Top Stage																							
	30mm Linear Dovetail	30mm Linear	30mm Vertical	30mm Tip/Tilt	30mm Goniometer	30mm Rotary	40mm Linear Dovetail	40mm Linear	40mm Vertical	40mm Tip/Tilt	40mm Goniometer	40mm Rotary	65mm Linear Dovetail	70mm Linear	70mm Vertical	70mm Tip/Tilt	70mm Goniometer	70mm Rotary	125mm Linear	125mm Vertical	125mm Tip/Tilt	125mm Rotary		
30mm Linear Dovetail	Compatible	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
30mm Linear	Compatible	Compatible	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
30mm Vertical	Compatible	Not Applicable	Compatible	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
30mm Tip/Tilt	Compatible	Not Applicable	Not Applicable	Compatible	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
30mm Goniometer	Compatible	Not Applicable	Not Applicable	Not Applicable	Compatible	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
30mm Rotary	Compatible	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Compatible	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
40mm Linear Dovetail	Compatible	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Compatible	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
40mm Linear	Compatible	Compatible	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Compatible	Compatible	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
40mm Vertical	Compatible	Not Applicable	Compatible	Not Applicable	Not Applicable	Not Applicable	Compatible	Compatible	Compatible	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
40mm Tip/Tilt	Compatible	Not Applicable	Not Applicable	Compatible	Not Applicable	Not Applicable	Compatible	Compatible	Compatible	Compatible	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
40mm Goniometer	Compatible	Not Applicable	Not Applicable	Not Applicable	Compatible	Not Applicable	Compatible	Compatible	Compatible	Compatible	Compatible	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
40mm Rotary	Compatible	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
65mm Linear Dovetail	Compatible	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Compatible	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
70mm Linear	Compatible	Compatible	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Compatible	Compatible	Compatible	Not Applicable	Not Applicable	Not Applicable	Compatible	Compatible	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
70mm Vertical	Compatible	Not Applicable	Compatible	Not Applicable	Not Applicable	Not Applicable	Compatible	Compatible	Compatible	Compatible	Not Applicable	Not Applicable	Compatible	Compatible	Compatible	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
70mm Tip/Tilt	Compatible	Not Applicable	Not Applicable	Compatible	Not Applicable	Not Applicable	Compatible	Compatible	Compatible	Compatible	Compatible	Not Applicable	Compatible	Compatible	Compatible	Compatible	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
70mm Goniometer	Compatible	Not Applicable	Not Applicable	Not Applicable	Compatible	Not Applicable	Compatible	Compatible	Compatible	Compatible	Compatible	Not Applicable	Compatible	Compatible	Compatible	Compatible	Compatible	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
70mm Rotary	Compatible	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
125mm Linear	Compatible	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
125mm Vertical	Compatible	Not Applicable	Compatible	Not Applicable	Not Applicable	Not Applicable	Compatible	Compatible	Compatible	Compatible	Not Applicable	Not Applicable	Compatible	Compatible	Compatible	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
125mm Tip/Tilt	Compatible	Not Applicable	Not Applicable	Compatible	Not Applicable	Not Applicable	Compatible	Compatible	Compatible	Compatible	Compatible	Not Applicable	Compatible	Compatible	Compatible	Compatible	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
125mm Rotary	Compatible	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

**30mm Standard-Top Stages - Center Drive**



**30mm Standard-Top Stages - Side Drive**



**40mm Standard-Top Stages - Center Drive**



**40mm Standard-Top Stages - Side Drive**



**70mm Standard-Top Stages - Center Drive**



**70mm Standard-Top Stages - Side Drive**



**125mm Standard-Top Stages - Center Drive**



**125mm Standard-Top Stages - Side Drive**

