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TECHSPEC® 125mm, Center Drive, Standard Top, English Micrometer Stage



TECHSPEC® Crossed-Roller Bearing Linear Translation Stages (Standard-Top Model)



Stock #66-451 **4 In Stock**

⊖ 1 ⊕ €705.⁰⁰

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Volume Pricing	
Qty 1-2	€705,00 each
Qty 3+	€615,10 each
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

English **Type:**

Physical & Mechanical Properties

Linear (X) **Type of Movement:**

Guide System:	
Crossed Roller Bearing	
Drive Orientation:	
Center Drive	
Stage Size (mm):	
125 x 125	
Travel (inches):	
1	
Center Hole:	
1/4-20	
Construction:	
Aluminium Stage	
Leadscrew Pitch (mm):	
0.635	
Load Capacity (kg):	
20	
Stage Size (inches):	
4.92 x 4.92	
Straight Line Accuracy (µm):	
2	
Pitch (arcsec):	
30	
Yaw (arcsec):	
25	

Hardware & Interface Connectivity

Type of Drive:	
English Micrometer	

Threading & Mounting

Mounting Threads:	
(21) 1/4-20, (8) 2-56, (4) 6-32	

Regulatory Compliance

RoHS 2015:	
Exempt	
Certificate of Conformance:	
View	
REACH 241:	
Contains SVHC(s)	

Product Details

- 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 1/4-20 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
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
30mm Linear	Compatible	Compatible	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
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
30mm Goniometer	Compatible	Not Applicable	Not Applicable	Not Applicable	Compatible	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
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
40mm Linear	Compatible	Compatible	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Compatible	Compatible	Not Applicable	Not Applicable	Not Applicable	Not Applicable
40mm Vertical	Compatible	Not Applicable	Compatible	Not Applicable	Not Applicable	Not Applicable	Compatible	Compatible	Not Applicable	Not Applicable	Not Applicable	Not Applicable
40mm Tip/Tilt	Compatible	Not Applicable	Not Applicable	Compatible	Not Applicable	Not Applicable	Compatible	Compatible	Not Applicable	Not Applicable	Not Applicable	Not Applicable
40mm Goniometer	Compatible	Not Applicable	Not Applicable	Not Applicable	Compatible	Not Applicable	Compatible	Compatible	Not Applicable	Not Applicable	Not Applicable	Not Applicable
40mm Rotary	Compatible	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Compatible	Compatible	Compatible	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
70mm Linear	Compatible	Compatible	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Compatible	Compatible	Not Applicable	Not Applicable	Not Applicable	Not Applicable
70mm Vertical	Compatible	Not Applicable	Compatible	Not Applicable	Not Applicable	Not Applicable	Compatible	Compatible	Not Applicable	Not Applicable	Not Applicable	Not Applicable
70mm Tip/Tilt	Compatible	Not Applicable	Not Applicable	Compatible	Not Applicable	Not Applicable	Compatible	Compatible	Not Applicable	Not Applicable	Not Applicable	Not Applicable
70mm Goniometer	Compatible	Not Applicable	Not Applicable	Not Applicable	Compatible	Not Applicable	Compatible	Compatible	Not Applicable	Not Applicable	Not Applicable	Not Applicable
70mm Rotary	Compatible	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Compatible	Compatible	Compatible	Not Applicable	Not Applicable	Not Applicable	Not Applicable
125mm Linear	Compatible	Compatible	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Compatible	Compatible	Not Applicable	Not Applicable	Not Applicable	Not Applicable
125mm Vertical	Compatible	Not Applicable	Compatible	Not Applicable	Not Applicable	Not Applicable	Compatible	Compatible	Not Applicable	Not Applicable	Not Applicable	Not Applicable
125mm Tip/Tilt	Compatible	Not Applicable	Not Applicable	Compatible	Not Applicable	Not Applicable	Compatible	Compatible	Not Applicable	Not Applicable	Not Applicable	Not Applicable
125mm Rotary	Compatible	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Compatible	Compatible	Compatible	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

