

TECHSPEC[®] 40mm, Side Drive, Thru-Hole, English Micrometer Stage



40mm, Side Drive, Thru-Hole Micrometer Stage

Stock **#66-418** 4 In Stock

-

1

+

€475⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-2	€475,00 each
Qty 3+	€414,90 each
Need More?	Request Quote

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

English

Type:

Physical & Mechanical Properties

Linear (X)

Type of Movement:

Crossed Roller Bearing

Guide System:

Side Drive	Drive Orientation:
40 x 40	Stage Size (mm):
0.5	Travel (inches):
M12 x 0.5	Center Hole:
Aluminium Stage	Construction:
0.635	Leadscrew Pitch (mm):
4	Load Capacity (kg):
1.57 x 1.57	Stage Size (inches):
2	Straight Line Accuracy (µm):
30	Pitch (arcsec):
25	Yaw (arcsec):

Hardware & Interface Connectivity

English Micrometer	Type of Drive:

Threading & Mounting

(1) M12 x 0.5, (4) 6-32, (8) 2-56	Mounting Threads:

Regulatory Compliance

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

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
- Thru-Hole Design for Optical Path Transmission
- English and Metric Hole Patterns Available
- Micrometer and Lead Screw Drive Options

TECHSPEC® Crossed-Roller Bearing Linear Translation Stages (Thru-Hole Model) feature a high performance crossed roller bearing guide system that provides these stages with high load capacity, rigidity, and accuracy. This advanced bearing guide system allows the single axis translations stages to have precise positioning with straight line accuracy of 2µm. TECHSPEC® Crossed-Roller Bearing Linear Translation Stages (Thru-Hole Model) are able to integrate with other stage sizes as well as integrate with TECHSPEC® Manual Translation Stages, providing users the flexibility to create configurations with a number of axes. Translation stages are available with either English or Metric hole patterns for easy incorporation into existing optomechanical systems.

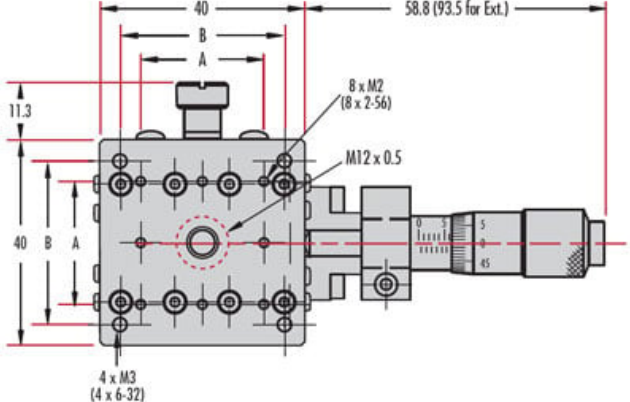
Thru-Hole Translational Stages are available with the following thread centered on their top plate: 5/16"-24 thread on our 30mm stages for use with our [#38-534](#) Pinhole Adapter, S-Mount (M12 x 0.5) on our 40mm stages, C-Mount (1"-32 TPI) on our 70mm stages, and T-Mount (M42 x 0.75) on our 125mm stages for compatibility with our C-, T-, and S-Mount Tube System Components.

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.

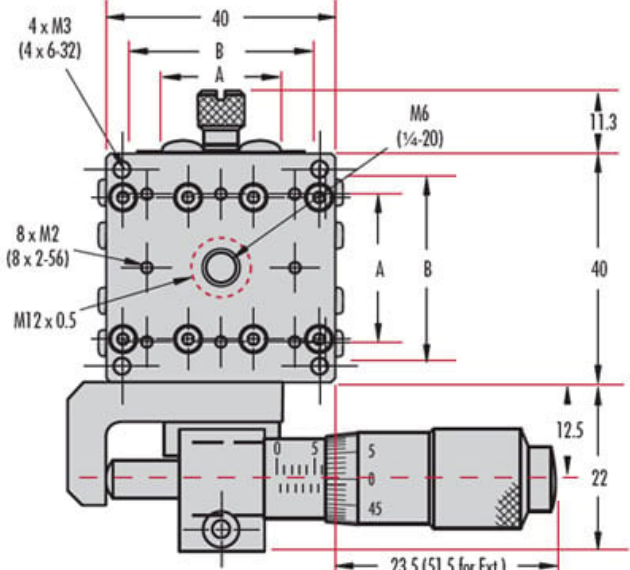
[TECHSPEC Z-Axis Brackets](#) are available to use with our translation stages to configure your own X-Y-Z multi-axis positioning system. TECHSPEC Bottom Adapter Plates provide an easy and convenient way of mounting 30mm and 40mm stages to standard breadboards. No adapter plate is required for our 70mm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

Technical Information

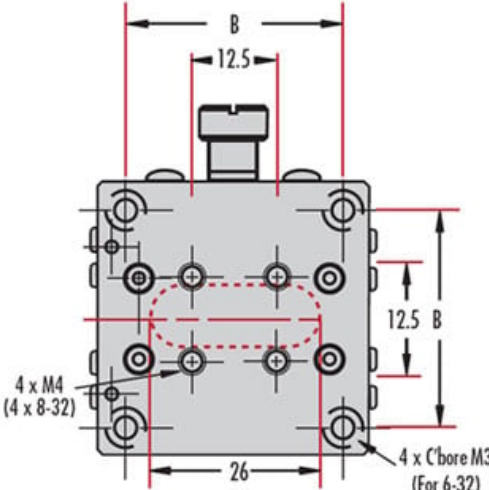
Center Drive



Side Drive



Bottom Plate



		Top Stage																							
		30mm Linear Descent	30mm Linear	30mm Vertical	30mm Tip/Tilt	30mm Goniometer	30mm Rotary	40mm Linear Descent	40mm Linear	40mm Vertical	40mm Tip/Tilt	40mm Goniometer	40mm Rotary	60mm Linear Descent	60mm Linear	70mm Vertical	70mm Tip/Tilt	70mm Goniometer	70mm Rotary	125mm Linear	125mm Vertical	125mm Tip/Tilt	125mm Rotary		
Bottom Stages	30mm Linear Descent	Compatible																							
	30mm Linear		Compatible																						
	30mm Vertical			Compatible																					
	30mm Tip/Tilt				Compatible																				
	30mm Goniometer					Compatible																			
	30mm Rotary						Compatible																		
	40mm Linear Descent							Compatible																	
	40mm Linear								Compatible																
	40mm Vertical									Compatible															
	40mm Tip/Tilt										Compatible														
	40mm Goniometer											Compatible													
	40mm Rotary												Compatible												
	60mm Linear Descent													Compatible											
	60mm Linear														Compatible										
	70mm Vertical															Compatible									
	70mm Tip/Tilt																Compatible								
70mm Goniometer																	Compatible								
70mm Rotary																		Compatible							
125mm Linear																			Compatible						
125mm Vertical																				Compatible					
125mm Tip/Tilt																					Compatible				
125mm Rotary																						Compatible			