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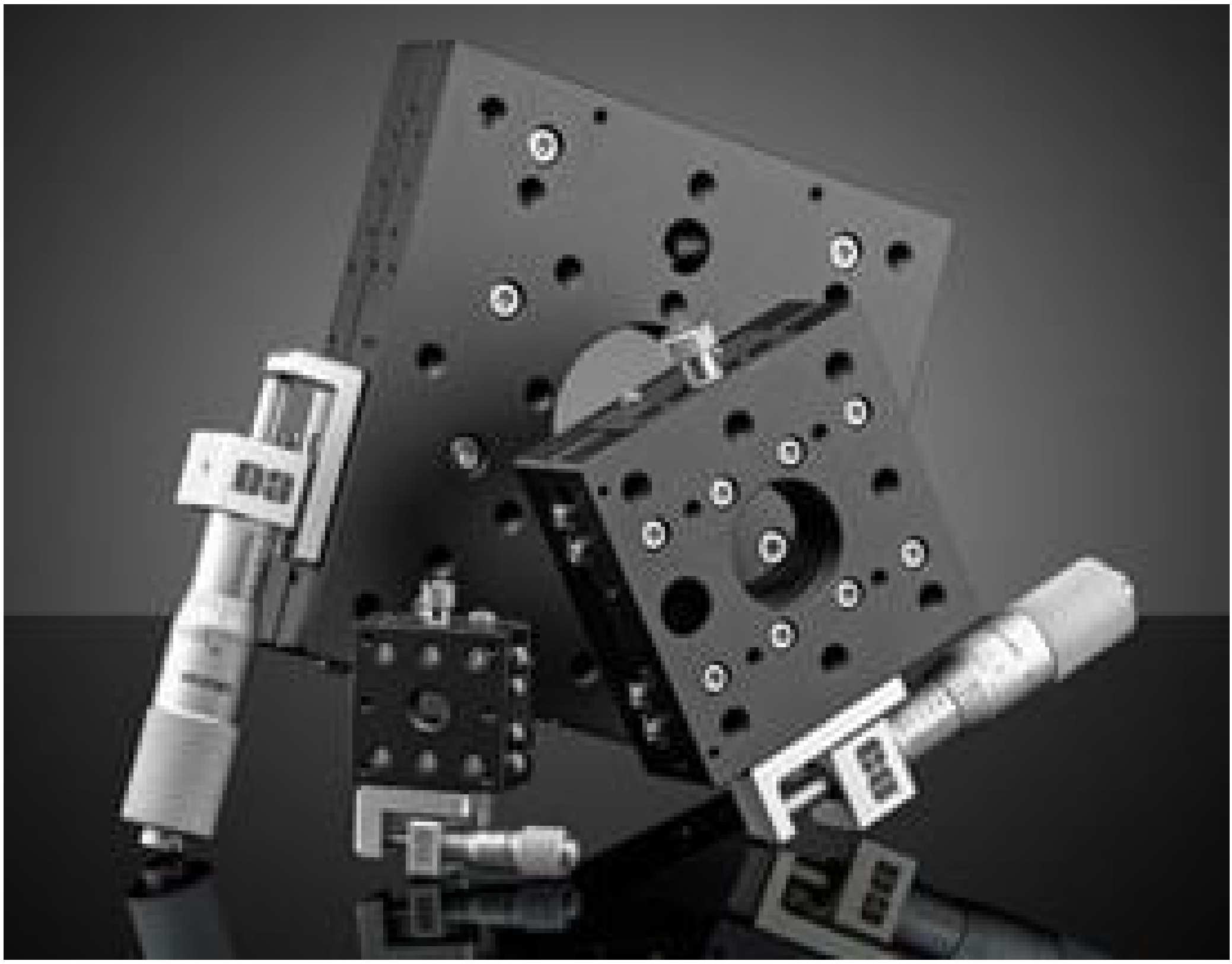
TECHSPEC® 125mm, Center Drive, Thru-Hole, Metric Stage



TECHSPEC® Crossed-Roller Bearing Linear Translation Stages (Thru-Hole Model)

Stock **#66-468** **3 In Stock**

- 1 + **€710**.00

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Volume Pricing	
Qty 1-2	**€710,00** each
Qty 3+	**€619,50** each
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Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:
Metric

Physical & Mechanical Properties

Type of Movement:
Linear (X)

Guide System:	Crossed Roller Bearing
Drive Orientation:	Center Drive
Stage Size (mm):	125 x 125
Travel (mm):	25
Center Hole:	M42 x 0.75
Construction:	Aluminium Stage
Leadscrew Pitch (mm):	0.5
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:	Lead Screw

Threading & Mounting

Mounting Threads:	(1) M42 x 0.75, (20) M6 x 1

Regulatory Compliance

RoHS 2015:	Compliant
Certificate of Conformance:	View
REACH 241:	Compliant

Product Details

- 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

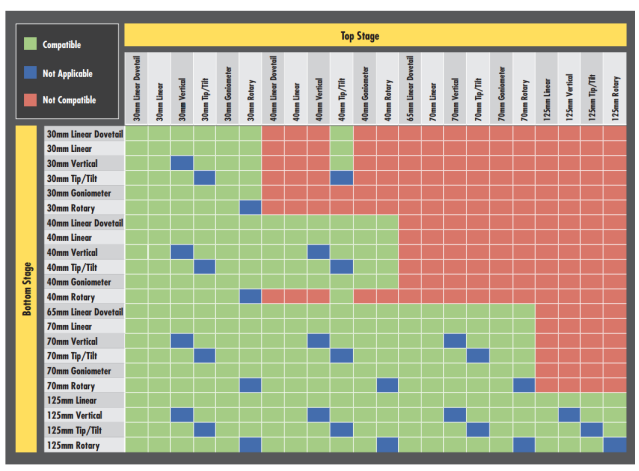
TECHSPEC® Crossed-Roller Bearing Linear Translation Stages (Thru-Hole Model) feature a high performance crossed roller bearing guide system that provides these stages with high load capacity, rigidity, and accuracy. This advanced bearing guide system allows the single axis translations stages to have 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



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