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TECHSPEC® 30mm Travel, 50mm Square TECHSPEC Motorized Linear Stage, English

Stainless Steel Motorized Linear Stages

Stock **#72-695** **1 In Stock**

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General

Type:
English

Type of Motor:
Stepper Motor

Physical & Mechanical Properties

Type of Movement:
Linear (X)

Guide System:
Ball Bearing

Stage Size (mm):	50 x 50
Travel (mm):	30
Accuracy (µm):	5
Backlash (µm):	<1
Construction:	Stainless Steel
Height (mm):	30
Load Capacity (kg):	6
Parallelism (µm):	15
Repeatability (µm):	±0.5
Speed (mm/s):	20
Weight (kg):	0.72
Encoder Resolution:	16,000 PPR

Optical Properties

Resolution (µm):	5

Hardware & Interface Connectivity

Type of Drive:	Lead Screw
Control Interface:	RS-485, USB
Computer Interface:	RS-485, USB

Threading & Mounting

Mounting Threads:	(9) 1/4-20, (4) 6-32, (8) 2-56

Environmental & Durability Factors

Operating Temperature (°C):	0-50

Regulatory Compliance

RoHS 2015:	Compliant
Certificate of Conformance:	View
Reach 235:	Compliant

Product Details

- High Precision, Monobloc Designs
- Integrated Motor and Controller
- Compatible with TECHSPEC Manual Stages

TECHSPEC Stainless Steel Motorized Linear Stages are a high-precision motion control solution for automated system alignment. The monobloc stainless steel design features ball bearing guides cut directly into the stage chassis, ensuring higher stiffness, straightness, and parallelism than typical stage assemblies. These motorized stages utilize the same mounting hole patterns as **TECHSPEC Manual Stages and Slides**, allowing for the creation of combined manual and motorized optical systems, depending on the application's needs; this versatility is unique to Edmund Optics. TECHSPEC Stainless Steel Motorized Linear Stages are easily programmable and daisy chain compatible, ensuring fast setup of multi-axis automated systems. The stages deliver high precision for demanding photonics applications.

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