

TECHSPEC[®] 30mm Travel, 50mm Square TECHSPEC Motorized Linear Stage, Metric



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+

S\$2,940⁰⁰

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SPECIFICATIONS

General

Metric	Type:
Stepper Motor	Type of Motor:

Physical & Mechanical Properties

Linear (X)	Type of Movement:
	Guide System:
Ball Bearing	
50 x50	Stage Size (mm):
	Travel (mm):
30	
5	Accuracy (μm):
	Backlash (μm):
<1	
Stainless Steel	Construction:
	Height (mm):
30	
6	Load Capacity (kg):
	Parallelism (μm):
15	
±0.5	Repeatability (μm):
	Speed (mm/s):
20	
0.72	Weight (kg):
	Encoder Resolution:
16,000 PPR	
Optical Properties	
5	Resolution (μm):
Hardware & Interface Connectivity	
Lead Screw	Type of Drive:
	Control Interface:
RS-485, USB	
RS-485, USB	Computer Interface:
Threading & Mounting	
(9) M6 x1.0, (4) M3 x0.5, (8) M2 x0.4	Mounting Threads:
Environmental & Durability Factors	
0-50	Operating Temperature (°C):
Regulatory Compliance	
Compliant	RoHS 2015:
	Certificate of Conformance:
View	
Compliant	Reach 235:

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.