

## 70mm., 15mm Travel, Compact Motorized Linear Stage, English



70mm., 15mm Travel, Compact Motorized Linear Stage (Front)



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**Note:** This item requires accessories for use | [Learn More](#)

### Product Downloads

### General

English **Type:**

Two integrated, adjustable limit switches  
Controller Required: [#23-931](#) **Note:**

Stepper Motor **Type of Motor:**

## Physical & Mechanical Properties

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

Ball Bearing **Guide System:**

70 x 107 **Stage Size (mm):**

15 **Travel (mm):**

5 **Accuracy (µm):**

50 **Backlash (µm):**

Aluminum, 3D Printed Plastic **Construction:**

33 **Height (mm):**

1 **Load Capacity (kg):**

22 **Parallelism (µm):**

3 **Repeatability (µm):**

40 **Speed (mm/s):**

0.615 **Weight (kg):**

1.25 **Min. Incremental Movement (µm):**

## Optical Properties

5 **Resolution (µm):**

## Electrical

600 **Maximum Operating Current (mA):**

## Hardware & Interface Connectivity

Lead Screw **Type of Drive:**

USB-C **Control Interface:**

USB-C **Computer Interface:**

## Threading & Mounting

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

## Environmental & Durability Factors

10-40 **Operating Temperature (°C):**

## Regulatory Compliance

[Compliant](#) **RoHS 2015:**

[Compliant](#) **Reach 224:**

[View](#) **Certificate of Conformance:**

## Product Details

- Compact Footprint and Economic Price Point
- Light-weight Housing with Durable Stage Platform
- Compatible with [TECHSPEC Stages](#)
- Use Power Supply [#21-075](#) to Power Controller [#23-931](#)

Compact Motorized Linear Stages are a cost-effective solution for motorized linear adjustment within an optical system. These stages feature an anodized aluminum stage platform for precision mounting, with a Selective Laser Sintering (SLS) 3D printed plastic housing for a lightweight but durable construction. The compact overall footprint maximizes space efficiency to add motorization to space constrained systems. Compact Motorized Linear Stages share the same hole patterns as our [TECHSPEC stages](#), making them an ideal lab bench component for motorized system building. Requires a Controller, [#23-931](#), which can be easily connected via an included 1m USB-C to USB-A cable.

