

## 300mm Travel, Motorized Linear Stage

See More by [Zaber™](#)



300mm Travel, Motorized Linear Stage, #15-290

Stock **#15-290** **1 In Stock**

- 1 + €3.535<sup>00</sup>

**ADD TO CART**

### Volume Pricing

Qty 1+	€3.535,00 each
Need More?	<a href="#">Request Quote</a>

ⓘ Prices shown are exclusive of VAT/local taxes

### Product Downloads

### General

Universal (Metric & English) **Type:**

No **Encoder:**

Yes **Manual Control/ LED Indicators:**

Zaber Technologies Inc. **Manufacturer:**

**Note:**

Requires a 24-48 VDC power supply and either [#15-295](#) for USB connectivity or [#15-297](#) for RS-232 connectivity. A data cable ([#15-296](#) or [#15-299](#)) can be used to daisy chain multiple stages together to control simultaneously.

**Type of Motor:**

2-Phase Stepper

**Physical & Mechanical Properties****Type of Movement:**  
Linear (X)**Guide System:**  
Recirculating Ball Linear Guide**Stage Size (mm):**  
65 x 511.2**Travel (mm):**  
300**Accuracy (µm):**  
65 (unidirectional)**Backlash (µm):**  
<18**Height (mm):**  
35.8**Load Capacity (kg):**  
50**Repeatability (µm):**  
<3**Speed (mm/s):**  
0.0003 to 280**Thrust (N):**  
<75**Weight (kg):**  
1.8**Optical Properties****Resolution (µm):**  
0.49609375**Electrical****Maximum Operating Current (mA):**  
<1450**Hardware & Interface Connectivity****Type of Drive:**  
Precision Lead Screw**Power Supply:**  
Power Supply Required and Sold Separately.  
USA: [#15-294](#)  
Europe: [#15-294](#)  
Japan: [#23-662](#)  
Korea: [#33-773](#)  
China: [#15-294](#)**Computer Interface:**  
USB with [#15-295](#)  
RS-232 with [#15-297](#)**Environmental & Durability Factors****Operating Temperature (°C):**  
0 - 50**Regulatory Compliance****RoHS 2015:**  
[Compliant](#)**Certificate of Conformance:**  
[View](#)**Reach 247:**  
[Compliant](#)**Product Details**

- High Speed, 75mm, 150mm, 300mm, 450mm, and 600mm Travel Options
- Controlled Manually or via RS-232 Serial Interface
- Available with Integrated, 500 Counts per Revolution (CPR) Motor Mounted Encoder
- No Adapter Required for X-Y-Z Configurations

Zaber™ Long Travel Motorized Stages are computer-controlled stages capable of translation speeds of up to 280mm/s with 0.5µm resolution. Zaber™ Long Travel Motorized Stages can also be controlled using the [Zaber™ Programmable Joystick Controller](#) (sold separately), a computer using an optional RS-232 or USB data cable, or manually with the knob integrated into the motor unit. X-Y-Z configurations are easily assembled without the use of additional adapters. Encoder versions are available for all travel lengths, with 500 Counts per Revolution (CPR) rotary quadrature encoders integrated into the stepper motor. The integrated rotary encoder provides closed-loop control and slip/stall detection and recovery.

