

[All Products](#) / [Optomechanics](#) / [Motorized Translation Stages](#) / [Motorized Linear Stages](#)

Zaber™ High Load Capacity Motorized Linear Stages [See More](#)

by [Zaber™](#)



- High Load Capacity of 510kg
- 500 and 1000mm Travel Options
- Integrated Controller and Encoder with 400 Counts per Revolution (CPR)

Common Specifications

General

Encoder:	Yes	Manual Control/ LED Indicators:	Yes
Manufacturer:	Zaber Technologies Inc.	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:	Stepper (2 Phase)	Encoder Type:	Rotary Quadrature Encoder

Physical & Mechanical Properties

Type of Movement:	Linear (X)	Guide System:	Recirculating Ball Linear
Backlash (µm):	<25	Height (mm):	57.2

Load Capacity (kg):	510	Repeatability (μm):	<4
Thrust (N):	1200	Encoder Resolution:	400 CPR
Cantilevered Load Capacity (N · m):	120		
Optical Properties			
Resolution (μm):	0.390625		
Electrical			
Maximum Operating Current (mA):	3600		
Hardware & Interface Connectivity			
Type of Drive:	Precision Ball Screw		
Power Supply:	24-48 VDC	Computer Interface:	RS-232 with #15-297
Environmental & Durability Factors			
Operating Temperature (°C):	0 - 50		

Technical Information

Products

Stage Size (mm)	Type	Travel (mm)	Encoder	Stock Number	Price	Buy
817.6 x 131.0	Metric	500mm	Yes	#25-174	£4,320.59	1 In Stock
1317.6 x 131.0	Metric	1000mm	Yes	#25-175	£4,902.80	2 In Stock



Copyright 2023 | Edmund Optics, Ltd Unit 1, Opus Avenue, Nether Poppleton, York, YO26 6BL, UK
Phone: 1-800-363-1992 :
www.edmundoptics.com