

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

Zaber™ Long Travel Motorized Stages See More by [Zaber™](#)



- 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

Common Specifications

General

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:	2-Phase Stepper

Physical & Mechanical Properties

Type of Movement:	Linear (X)	Guide System:	Recirculating Ball Linear Guide
Backlash (µm):	<18	Load Capacity (kg):	50
Repeatability (µm):	<3	Thrust (N):	<75

Optical Properties

Resolution (μm):	0.49609375
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Electrical

Maximum Operating Current (mA):	<1450
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Hardware & Interface Connectivity

Type of Drive:	Precision Lead Screw
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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
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Environmental & Durability Factors

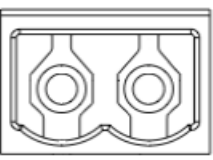
Operating Temperature (°C):	0 - 50
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Technical Information

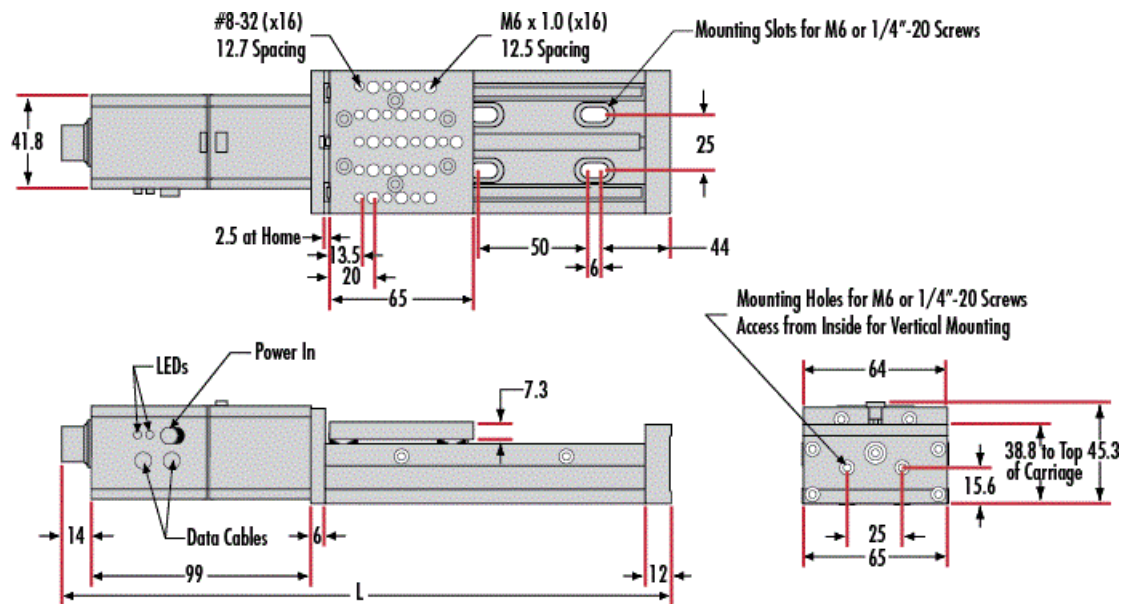
Device Overview / Connectors

Images are shown looking into the device.

Power

	Pin	Description
	1	24 - 48 V
	2	GND (Note: power supplies ground this pin to AC Earth)

Note: To prevent damage to the device due to static buildup, the device should be properly grounded. The power supplies for X-Series devices are non-isolated and thus ground the device chassis to Earth via the negative terminal of the power supply. If for any reason you are using an isolated power supply, please ensure your device is grounded by connecting the negative terminal of the power connector to AC Earth.



Products

Stage Size (mm)	Type	Travel (mm)	Encoder	Stock Number	Price	Buy
65 x 361.2	Universal (Metric & English)	150	No	#15-289	£2,534.57	2 In Stock
65 x 511.2	Universal (Metric & English)	300	No	#15-290	£3,042.36	1 In Stock
65 x 270.5	Universal (Metric & English)	75	No	#22-221	£2,285.06	1 In Stock
65 x 645.5	Universal (Metric & English)	450	No	#22-222	£3,537.02	1 In Stock
65 x 795.5	Universal (Metric & English)	600	No	#22-223	£3,987.90	2 In Stock
65 x 286.2	Universal (Metric & English)	75	Yes	#22-224	£2,508.31	2 In Stock
65 x 361.2	Universal (Metric & English)	150	Yes	#22-225	£2,757.83	2 In Stock
65 x 511.2	Universal (Metric & English)	300	Yes	#22-226	£3,252.48	2 In Stock
65 x 661.2	Universal (Metric & English)	450	Yes	#22-227	£3,760.27	2 In Stock
65 x 811.2	Universal (Metric & English)	600	Yes	#22-228	£4,211.16	2 In Stock



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