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# Zaber™ High Precision Motorized Stage Systems [See More by Zaber™](#)



- High Accuracy, 25mm, 50mm, 100mm, and 200mm Travel Options
- Integrated Motor and Controller
- Available with Integrated, 200 Counts per Revolution (CPR) Motor Mounted Encoder
- Easily Configurable in X-Y or X-Y-Z Configurations
- Vacuum-Compatible Options

## Common Specifications

### General

<b>Manufacturer:</b>	Zaber Technologies Inc.	<b>Type of Motor:</b>	2-Phase Stepper
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### Physical & Mechanical Properties

<b>Type of Movement:</b>	Linear (X)	<b>Guide System:</b>	Needle Roller Bearing
<b>Backlash (μm):</b>	<12	<b>Load Capacity (kg):</b>	10
<b>Repeatability (μm):</b>	<3		

### Electrical

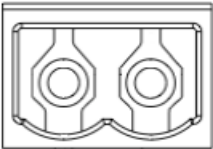
<b>Maximum Operating Current (mA):</b>	350
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# Technical Information

## Device Overview / Connectors

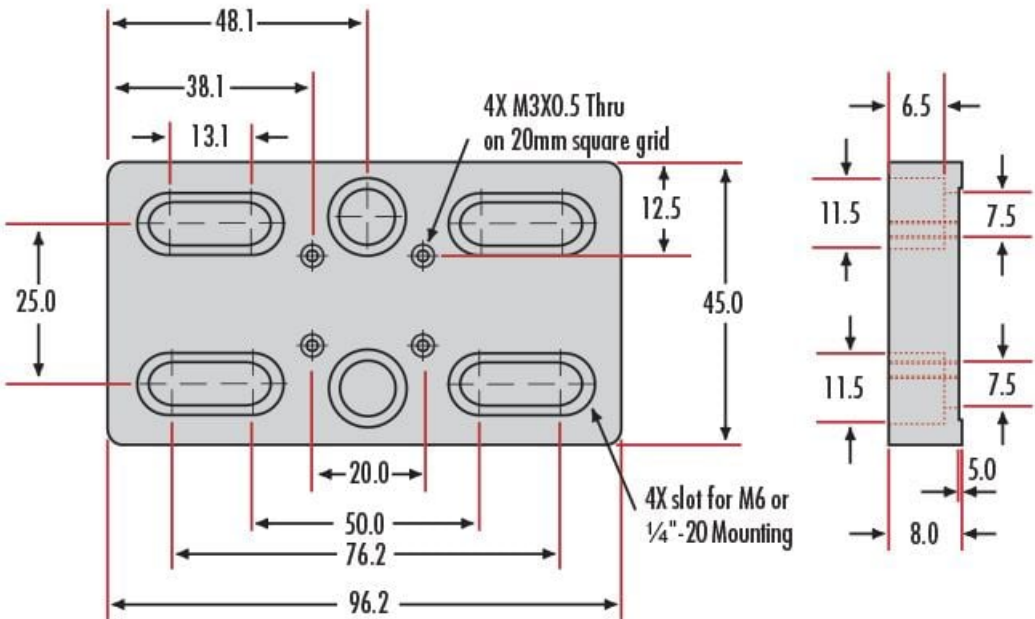
Images are shown looking into the device.

### Power

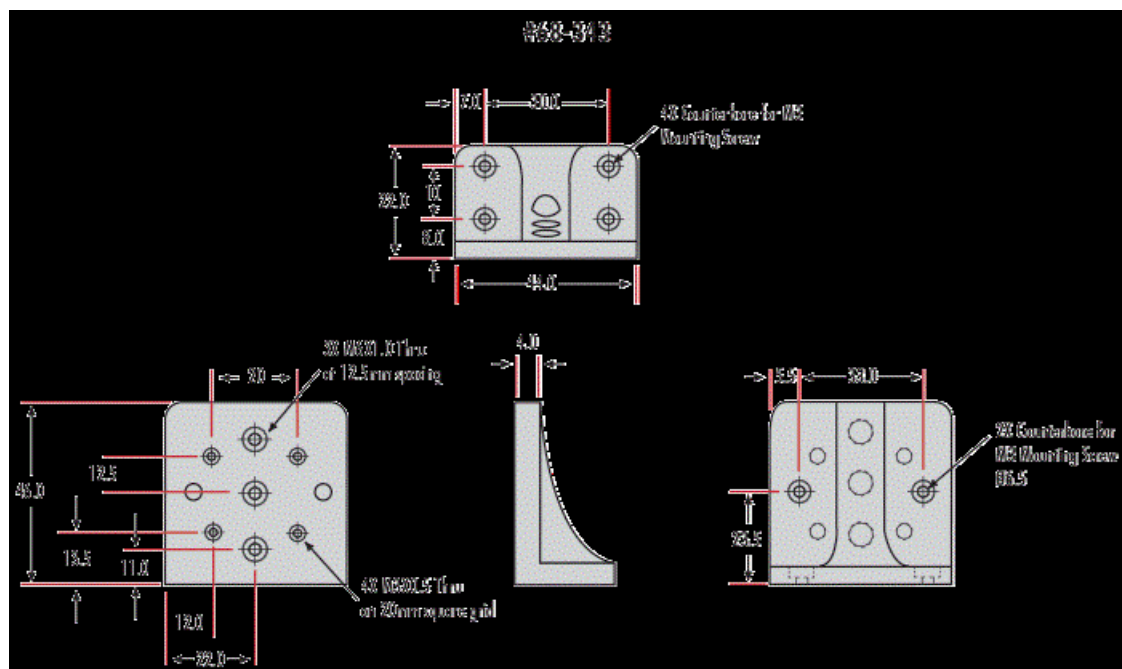
	Pin	Description
	1	24 - 48 V
	2	GND (Note: power supplies ground this pin to AC Earth)

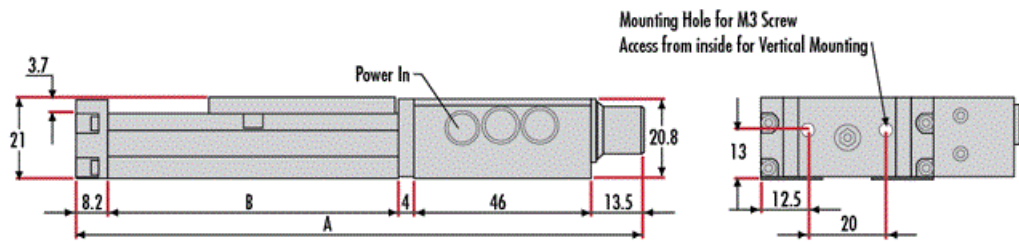
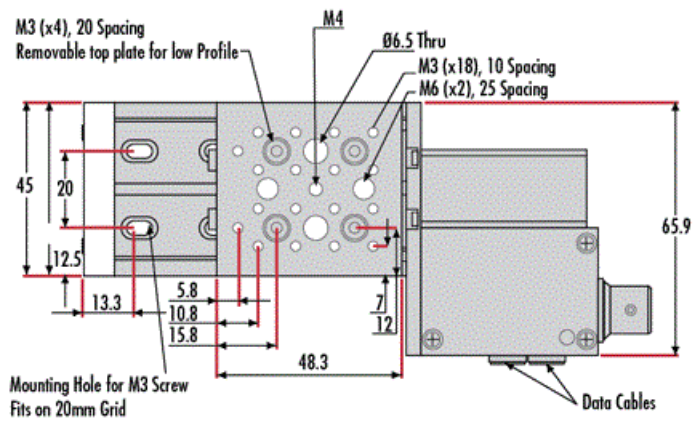
**Note:** To prevent damage to the device due to static buildup, the device should be properly grounded. The power supplies for X-Series devices are non-isolated and thus ground the device chassis to Earth via the negative terminal of the power supply. If for any reason you are using an isolated power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

#68-645





Technical drawing of a square grid plate. The plate is square with a side length of 60.0. It features a 3x3 grid of circular holes. The center-to-center spacing between holes is 25.0. The plate has a thickness of 6.0. Labels include: "9X M6 Thru at 25mm Square Grid Spacing" pointing to the grid, "4X Counterbore for M3 Mounting Screw" pointing to the corner holes, and dimensions "5.0", "25.0", "30.0", and "60.0". A side view on the right shows the plate's profile with a thickness of 6.0.





## Products

Stage Size (mm)	Type	Travel (mm)	Encoder	Stock Number	Price	Buy
<a href="#">#74-699 New</a>						
						
New						
173.4 x 101.2	Metric	50.8	No	Launched on our website before appearing in our latest print catalogs. Be the first to buy before anyone else!	S\$9,072.00	1 In Stock
<a href="#">#74-700 New</a>						
						
New						
224.2 x 152.0	Metric	101.6	No	Launched on our website before appearing in our latest print catalogs. Be the first to buy before anyone else!	S\$9,562.00	1 In Stock
45 x 162.6	Metric	25.4	-	<a href="#">#15-285</a>	S\$3,108.00	2 In Stock
45 x 162.6	Metric	25.4	Yes	<a href="#">#22-217</a>	S\$3,451.00	2 In Stock
45 x 188.0	Metric	50.8	-	<a href="#">#15-286</a>	S\$3,297.00	7 In Stock
45 x 188.0	Metric	50.8	Yes	<a href="#">#22-218</a>	S\$3,633.00	2 In Stock

45 x 238.8	Metric	101.6	-	<a href="#">#15-287</a>	S\$3,675.00	1 In Stock
45 x 238.8	Metric	101.6	Yes	<a href="#">#22-219</a>	S\$4,011.00	4 In Stock
45 x 340.4	Metric	203.2	-	<a href="#">#15-288</a>	S\$4,046.00	3 In Stock
45 x 340.4	Metric	203.2	Yes	<a href="#">#22-220</a>	S\$4,382.00	1 In Stock



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