

60mm Motorized Rotary Stage, Integrated Controller, Rotary Encoder

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60mm Motorized Rotary Stage, #15-291

Stock **#25-043** **2 In Stock**

-

1

+

€3.010^{.00}

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Qty 1+	€3.010,00 each
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Product Downloads

General	
Universal (Metric & English)	Type:
Yes	Encoder:
Zaber X-RSW60A-E03	Model Number:
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.

Encoder Type:	
RotaryQuadrature Encoder	
Physical & Mechanical Properties	
Type of Movement:	
Rotary	
Stage Size (mm):	
82.6 x 144.8	
Travel (°):	
360	
Accuracy (°):	
0.08, Unidirectional	
Backlash (°):	
<0.04	
Center Hole:	
23mm Clear Aperture to hold a 25mm (1") Dia. Optic (up to 3mm Thick)	
Load Capacity (kg):	
20	
Load Capacity (N):	
200	
Repeatability (°):	
<0.02	
Resolution (µrad):	
4.1	
Speed (°/s):	
0.0001 to 115	
Weight (kg):	
0.66	
Table Diameter (mm):	
60	
Encoder Resolution:	
200 CPR	
Max. Continuous Torque (N⬚cm):	
225	

Electrical

Maximum Operating Current (mA):	
950	

Hardware & Interface Connectivity

Type of Drive:	
Stepping Motor	
Power Supply:	
Not included, see the Accessories tab for recommended 24 to 48V Power Supply & Tech Info tab for connector information.	
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 Resolution with 360° Continuous Rotation
 - Integrated Mtor and Controller
 - Vacuum-Compatible Options
 - Controlled Manually or via RS-232 Serial Interface
 - Power Supply and Data Cable Sold as Separate Accessories
 - Available with Integrated, 200 Counts per Revolution (CPR) Motor Mounted Encoder
- Zaber™ Motorized Rotary Stage Systems are designed to hold 1” or 25mm optical components on both the top and bottom plates, and provide precise, 360° rotation. The compact bearing design can handle up to 45 lb (20kg) loads while providing 4.1µrad resolution rotational movement. Encoder versions are available for all travel lengths, with 200 Counts per Revolution (CPR) rotary quadrature encoders integrated into the stepper motor. Zaber™ Motorized Rotary Stage Systems also includes a potentiometer located on the back of the stage to provide a convenient way to manually control position.
- Note:** A24-48 VDC universal power supply, data cables for daisy chaining, and computer interface cables (USB or RS-232) are sold separately as accessories. These stages utilize the same accessories as the [Zaber™ High](#)

Technical Information

Device Overview / Connectors

Images are shown looking into the device.

Power

1	2
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.

