

Rotary Piezo Positioning Stage



Stock #88-551 CLEARANCE **1 In Stock**

⊖ 1 ⊕ C\$630⁰⁰

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Volume Pricing

Qty 1+	C\$630.00 each
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General

Metric **Type:**

Use with Piezo Positioning Stage Controller [#88-552](#) **Note:**

Physical & Mechanical Properties

Rotary **Type of Movement:**

Ball Bearing **Guide System:**

Stage Size (mm):

36.0 x 32.0	Travel (°):
360	
Construction:	
Aluminum Body, Steel Bearing	
Flatness (µm):	
5.0	
Load Capacity (kg):	
1 (Horizontal)	
Repeatability (°):	
Bi-directional: 0.0044 Uni-directional: 0.013	
Resolution (°):	
0.0022 Typ. (Open Loop)	
Speed (°/s):	
6 Max with #88-552	
Weight (g):	
50	
Wobble (µrad):	
100	
Optical Properties	
Eccentricity (µm):	
5	
Wobble (mrad):	
±100	
Hardware & Interface Connectivity	
Type of Drive:	
Ultrasonic Motor	
Regulatory Compliance	
Certificate of Conformance:	
View	

Product Details

Controller ([#88-552](#)) required for operation.

- High Precision Piezo Stages
- Stick-Slip Designs
- Ultra-Fine Control

Piezo Positioning Stages utilize piezo-driven motors to achieve sub-micron resolution travel in applications requiring fine positioning. Piezo Positioning Stages feature stick-slip designs that fully expand the piezo element to drive the stage along its axis of travel without sacrificing precision or overall travel range, in addition to embedded encoders to maintain repeatability. The linear positioning stages are capable of moving up to 2mm per second with a total travel of over 51mm. The rotary stage, which utilizes two pre-loaded steel ball bearings, is capable of rotating at over 6° per second over an unlimited travel range and features high blocking force.

Note: Controller ([#88-552](#)) required for operation.

Technical Information

