

Rotary Piezo Positioning Stage



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

-

1

+

£360^{.00}

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Product Downloads

General

Type:

Metric

Note:

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

Physical & Mechanical Properties

Type of Movement:

Rotary

Guide System:

Ball Bearing

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

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

