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25mm Travel, Metric Micrometer, Solid-Top Ball Bearing Stage

32mm/1.25” Center drive stage and its X-Y-Z configuration

Stock **#13-772** **1 In Stock**

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Product Downloads

General

Type:
Metric

Note:
Solid Top

Physical & Mechanical Properties

Type of Movement:

Linear (X)

Guide System:

Ball Bearing

Drive Orientation:

Center Drive

Stage Size (mm):

127 x 127

Travel (mm):

25

Construction:

Aluminium Stage

Graduation (mm):

0.01

Height (mm):

25.4

Load Capacity, Normal (kg):

48

Load Capacity, T_a (kg):

13.6

Straight Line Accuracy (µm):

2 per 25mm of travel

Weight (kg):

1.2

Thrust Capacity, T_a (kg):

13.6

Thrust Capacity, T_b (kg):

1.1

Hardware & Interface Connectivity

Type of Drive:

Metric Micrometer

Regulatory Compliance

RoHS 2015:

Compliant

Certificate of Conformance:

View

Product Details

- Preloaded Ball Bearing Design for Low-Friction Linear Adjustment
- Solid-Top and Thru-Hole Versions
- English or Metric Micrometer Drive and Fine Screw Drive Available
- Stackable for 2-Axis or 3-Axis Movement

Metric Ball Bearing Translation Stages with a metric hole patterns on both the top and bottom plates feature a preloaded ball bearing design that provides straight line accuracy of 2µm per 25mm of travel. These stages are available in multiple stage sizes and configurations of drive mechanism, drive orientation, and travel distance, as well as the option of a clearance-thru hole. The Fine Screw (64 Pitch) models provide fine resolution positioning while the English and Metric micrometer models provide a position readout in 0.001inch or 0.01mm graduations. Metric Ball Bearing Translation Stages are designed to reduce friction, allowing smooth linear motion without backlash or sideplay. All stages include screws for creating an X-Y stage and a position lock.

Note: Adapter Plates and Z-Axis Brackets are available for breadboard mounting application and X-Y-Z configuration. Brackets include screws for assembling X-Y-Z stages from multiple stages.

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