

50mm Travel, Metric Micrometer, Solid-Top Ball Bearing Stage



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



Stock #13-770 **CLEARANCE** 4 In Stock

⊖ 1 ⊕ £680.⁰⁰

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Volume Pricing

Qty 1+	£680.00 each
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Metric **Type:**
Solid Top **Note:**

Physical & Mechanical Properties

Type of Movement:

Linear (X)	
Ball Bearing	Guide System:
Center Drive	Drive Orientation:
127 x 127	Stage Size (mm):
50	Travel (mm):
Aluminium Stage	Construction:
0.01	Graduation (mm):
25.4	Height (mm):
48	Load Capacity, Normal (kg):
13.6	Load Capacity, T_a (kg):
2 per 25mm of travel	Straight Line Accuracy (µm):
1.2	Weight (kg):
13.6	Thrust Capacity, T_a (kg):
1.1	Thrust Capacity, T_b (kg):

Hardware & Interface Connectivity

Metric Micrometer	Type of Drive:
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Regulatory Compliance

Compliant	RoHS 2015:
View	Certificate of Conformance:

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.