

0.5" Travel, Eng Micrometer, Solid Top Ball Bearing Stage



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

Stock **#38-970** [CONTACT US](#)

⊖ 1 ⊕ **A\$848⁰⁰**

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General

English **Type:**
Solid Top **Note:**

Physical & Mechanical Properties

Linear (X) **Type of Movement:**
Ball Bearing **Guide System:**

Side Drive	Drive Orientation:
31.8 x 31.0	Stage Size (mm):
0.5	Travel (inches):
Aluminium Stage	Construction:
0.001	Graduation (inches):
0.50	Height (inches):
12.7	Height (mm):
6	Load Capacity, Normal (lbs):
1.25 x 1.22	Stage Size (inches):
0.00008/inch of travel	Straight Line Accuracy (inches):
0.16	Weight (lbs):
10	Thrust Capacity, T_a (lbs):
3	Thrust Capacity, T_b (lbs):

Hardware & Interface Connectivity

English Micrometer	Type of Drive:
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Regulatory Compliance

Compliant	RoHS 2015:
View	Certificate of Conformance:

Product Details

#57-248 riser plate is required for mounting 1.25" side drive stages in X-Y configurations in order to obtain required offset since the micrometer drive head is higher than the stage mounting surface. [Adapter Plates](#) and [Z-Axis Brackets](#) are available for ball bearing stages and slides.

- 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

English Ball Bearing Translation Stages with an English hole pattern on both the top and bottom plates have a preloaded ball bearing design that offers straight line accuracy of 0.00008inch per inch of travel. These stages are available in a variety of stage sizes with multiple options of drive orientation, travel distance, and drive mechanism, as well as top plates with or without a clearance thru-hole. The English and Metric micrometer models offer graduations of 0.001inch or 0.01mm for applications that require a position readout while the Fine Screw (64 Pitch) models offer fine resolution positioning. English Ball Bearing Translation Stages are designed to have low friction, providing 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.

Technical Information

