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

2.62” Center drive stage and its X-Y configuration

Stock **#38-994** **3 In Stock**

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## General

**Type:**
English

**Note:**
Solid Top

## Physical & Mechanical Properties

**Type of Movement:**
Linear (X)

**Guide System:**
Ball Bearing

**Drive Orientation:**
Side Drive

**Stage Size (mm):**
66.5 x 66.5

**Travel (inches):**
0.5

**Construction:**
Aluminium Stage

**Graduation (inches):**
0.001

**Height (inches):**
1.00

**Height (mm):**
25.4

**Load Capacity, Normal (lbs):**
62

**Stage Size (inches):**
2.62 x 2.62

**Straight Line Accuracy (inches):**
0.00008/inch of travel

**Weight (lbs):**
0.92

**Thrust Capacity, $T_a$ (lbs):**
10

**Thrust Capacity, $T_b$ (lbs):**
2

## Hardware & Interface Connectivity

**Type of Drive:**
English Micrometer

## Regulatory Compliance

**RoHS 2015:**
Compliant

**Certificate of Conformance:**
View

# Product Details

**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.

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