

TECHSPEC® 40mm, Side Drive, Standard Top, Metric Stage



40mm, Side Drive, Solid Top Stage

Stock **#66-411** **14 In Stock**

⊖ 1 ⊕ £312⁰⁰

ADD TO CART

Volume Pricing

| | |
|------------|-------------------------------|
| Qty 1-2 | £312.80 each |
| Qty 3+ | £273.12 each |
| Need More? | Request Quote |

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Metric **Type:**

Physical & Mechanical Properties

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

Crossed Roller Bearing **Guide System:**

| | |
|-----------------|-------------------------------------|
| Side Drive | Drive Orientation: |
| 40 x 40 | Stage Size (mm): |
| 13 | Travel (mm): |
| M6 x 1 | Center Hole: |
| Aluminium Stage | Construction: |
| 0.5 | Leadscrew Pitch (mm): |
| 4 | Load Capacity (kg): |
| 1.57 x 1.57 | Stage Size (inches): |
| 2 | Straight Line Accuracy (µm): |
| 30 | Pitch (arcsec): |
| 25 | Yaw (arcsec): |

Hardware & Interface Connectivity

| | |
|------------|-----------------------|
| Lead Screw | Type of Drive: |
|------------|-----------------------|

Threading & Mounting

| | |
|--|--------------------------|
| (1) M6 x 1, (4) M3 x 0.5, (8) M2 x 0.4 | Mounting Threads: |
|--|--------------------------|

Regulatory Compliance

| | |
|------------------|------------------------------------|
| Compliant | RoHS 2015: |
| View | Certificate of Conformance: |
| Compliant | REACH 241: |

Product Details

Z bracket is sold separately for Z-axis setup. **Bottom adapter plate**, sold separately, is required to mount to a standard breadboard.

- Four Sizes Ranging from 30 x 30mm to 125 x 125mm
- English and Metric Hole Patterns Available
- Micrometer and Lead Screw Drive Options
- Easily Configured into X-Y and X-Y-Z Configurations

TECHSPEC® Crossed-Roller Bearing Linear Translation Stages (Standard-Top Model) feature an advanced crossed roller bearing guide system, which provides a high level of accuracy, rigidity and load capacity. This advanced guide system allows for these stages to offer precise positioning with straight line accuracy of 2µm. TECHSPEC® Crossed-Roller Bearing Linear Translation Stages (Standard-Top Model) are designed to integrate with other stage sizes as well as with TECHSPEC® Manual Translation Stages, providing enhanced flexibility and allowing the user to create any number of axes in different configurations. The standard-top model of these translation stages are available with an English ¼-20 TPI hole pattern and Metric hole pattern model with an M6 center mounting hole.

All translation stages are class 100 (ISO 5) clean room compatible and available with a micrometer or lead screw drive with either center or side drive configuration. Leadscrew drives offer 0.5mm pitch. Metric micrometers offer 0.5mm pitch with 0.01mm divisions, and English micrometers offer 0.025" pitch with 0.001" divisions.

TECHSPEC Z-Axis Brackets are available to use with our translation stages to configure your own X-Y-Z multi-axis positioning system. TECHSPEC Bottom Adapter Plates provide an easy and convenient way of mounting 30mm and 40mm stages to standard breadboards. No adapter plate is required for our 70mm and 125mm translation stages which can be mounted directly onto breadboards.

Technical Information

| Bottom Stage | Top Stage | | | | | | | | | | | | | | | | |
|----------------------|----------------------|----------------|----------------|----------------|----------------|----------------|----------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | 30mm Linear Dovetail | 30mm Linear | 30mm Vertical | 30mm Tip/Tilt | 30mm Cosine | 30mm Rotary | 40mm Linear Dovetail | 40mm Linear | 40mm Vertical | 40mm Tip/Tilt | 40mm Cosine | 40mm Rotary | 70mm Linear | 70mm Vertical | 70mm Tip/Tilt | 70mm Rotary | |
| 30mm Linear Dovetail | Compatible | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Compatible | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable |
| 30mm Linear | Compatible | Compatible | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Compatible | Compatible | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable |
| 30mm Vertical | Compatible | Not Applicable | Compatible | Not Applicable | Not Applicable | Not Applicable | Compatible | Not Applicable | Compatible | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable |
| 30mm Tip/Tilt | Compatible | Not Applicable | Not Applicable | Compatible | Not Applicable | Not Applicable | Compatible | Not Applicable | Not Applicable | Compatible | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable |
| 30mm Cosine | Compatible | Not Applicable | Not Applicable | Not Applicable | Compatible | Not Applicable | Compatible | Not Applicable | Not Applicable | Not Applicable | Compatible | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable |
| 30mm Rotary | Compatible | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Compatible | Compatible | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Compatible | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable |
| 40mm Linear Dovetail | Compatible | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Compatible | Compatible | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable |
| 40mm Linear | Compatible | Compatible | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Compatible | Compatible | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable |
| 40mm Vertical | Compatible | Not Applicable | Compatible | Not Applicable | Not Applicable | Not Applicable | Compatible | Not Applicable | Compatible | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable |
| 40mm Tip/Tilt | Compatible | Not Applicable | Not Applicable | Compatible | Not Applicable | Not Applicable | Compatible | Not Applicable | Not Applicable | Compatible | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable |
| 40mm Cosine | Compatible | Not Applicable | Not Applicable | Not Applicable | Compatible | Not Applicable | Compatible | Not Applicable | Not Applicable | Not Applicable | Compatible | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable |
| 40mm Rotary | Compatible | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Compatible | Compatible | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Compatible | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable |
| 65mm Linear Dovetail | Compatible | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Compatible | Compatible | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable |
| 70mm Linear | Compatible | Compatible | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Compatible | Compatible | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable |
| 70mm Vertical | Compatible | Not Applicable | Compatible | Not Applicable | Not Applicable | Not Applicable | Compatible | Not Applicable | Compatible | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable |
| 70mm Tip/Tilt | Compatible | Not Applicable | Not Applicable | Compatible | Not Applicable | Not Applicable | Compatible | Not Applicable | Not Applicable | Compatible | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable |
| 70mm Cosine | Compatible | Not Applicable | Not Applicable | Not Applicable | Compatible | Not Applicable | Compatible | Not Applicable | Not Applicable | Not Applicable | Compatible | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable |
| 70mm Rotary | Compatible | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Compatible | Compatible | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Compatible | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable |
| 125mm Linear | Compatible | Compatible | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Compatible | Compatible | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable |
| 125mm Vertical | Compatible | Not Applicable | Compatible | Not Applicable | Not Applicable | Not Applicable | Compatible | Not Applicable | Compatible | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable |
| 125mm Tip/Tilt | Compatible | Not Applicable | Not Applicable | Compatible | Not Applicable | Not Applicable | Compatible | Not Applicable | Not Applicable | Compatible | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable |
| 125mm Rotary | Compatible | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Compatible | Compatible | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Compatible | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable |

30mm Standard-Top Stages - Center Drive



30mm Standard-Top Stages - Side Drive



40mm Standard-Top Stages - Center Drive



40mm Standard-Top Stages - Side Drive



70mm Standard-Top Stages - Center Drive



70mm Standard-Top Stages - Side Drive



125mm Standard-Top Stages - Center Drive



125mm Standard-Top Stages - Side Drive

