

TECHSPEC®

30mm, Center Drive, Standard Top, 0.25" Travel, Metric Micrometer



Stock #83-505 **11 In Stock**

1 C\$613^{.20}

ADD TO CART

| Volume Pricing | |
|----------------|-------------------------------|
| Qty 1-2 | C\$613.20 each |
| Qty 3+ | C\$534.80 each |
| Need More? | Request Quote |

| Product Downloads | |
|-------------------|------------------------------|
| STEP:step | PDF Drawing:pdf |
| IGES:igs | eDrawing:eprt |
| EO Spec Sheet | Download All |

General

Type: Metric

Physical & Mechanical Properties

| | | | |
|-------------------------------------|-----------------|------------------------------|------------------------|
| Type of Movement: | Linear (X) | Guide System: | Crossed Roller Bearing |
| Drive Orientation: | Center Drive | Stage Size (mm): | 30 x 30 |
| Travel (mm): | 6.5 | Center Hole: | M6 x 1 |
| Construction: | Aluminium Stage | Leadscrew Pitch (mm): | 0.5 |
| Load Capacity (kg): | 3 | Stage Size (inches): | 1.18 x 1.18 |
| Straight Line Accuracy (µm): | 2 | Pitch (arcsec): | 30 |
| Yaw (arcsec): | 25 | | |

Hardware & Interface Connectivity

Type of Drive: Metric Micrometer

Threading & Mounting

Mounting Threads: (1) M6 x 1, (6) M2 x 0.4

Regulatory Compliance

RoHS 2015: **Exempt**

Certificate of Conformance: [View](#)

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

Accessories

Note: Compatible accessories for individual stock numbers may vary. If unsure about which accessories work with your products, please contact us [here](#).

| | Title | Compare | Stock Number | Price | Buy |
|--------------|------------------------------------|---------|----------------|--|---|
| MORE+ | Z-Bracket for 125mm Stage, Metric | | #67-089 | C\$254.80 Request Quote | CONTACT US <input type="text" value="1"/> |
| MORE+ | Z-Bracket for 125mm Stage, English | | #66-489 | C\$254.80 Volume Pricing Request Quote | 9 In Stock <input type="text" value="1"/> |
| MORE+ | Z-Bracket for 70mm Stage, Metric | | #67-088 | C\$196.00 Request Quote | CONTACT US <input type="text" value="1"/> |
| MORE+ | Z-Bracket for 70mm Stage, English | | #66-488 | C\$196.00 Volume Pricing Request Quote | 3 In Stock <input type="text" value="1"/> |
| MORE+ | Z-Bracket for 40mm Stage, Metric | | #67-087 | C\$137.20 Request Quote | 4 In Stock <input type="text" value="1"/> |
| MORE+ | Z-Bracket for 40mm Stage, English | | #66-487 | C\$137.20 Volume Pricing Request Quote | 5 In Stock <input type="text" value="1"/> |
| MORE+ | Z-Bracket for 30mm Stage, Metric | | #67-086 | C\$113.40 Request Quote | CONTACT US <input type="text" value="1"/> |
| MORE+ | Z-Bracket for 30mm Stage, English | | #66-486 | C\$113.40 Volume Pricing Request Quote | 1 In Stock <input type="text" value="1"/> |

| | Title | Compare | Stock Number | Price | Buy |
|-----------------------|--|---------|--------------|---|---|
| MORE+ | Top Adapter Plate for 30mm/40mm Stages, Metric | | #66-493 | C\$108.50 Volume Pricing Request Quote | CONTACT US <input type="text" value="1"/> |
| MORE+ | Top Adapter Plate for 30mm/40mm Stages, English | | #66-492 | C\$108.50 Volume Pricing Request Quote | 20+ In Stock <input type="text" value="1"/> |
| MORE+ | Bottom Adapter Plate for 30mm/40mm Stages, Metric | | #66-620 | C\$108.50 Request Quote | 1 In Stock <input type="text" value="1"/> |
| MORE+ | Bottom Adapter Plate for 30mm/40mm Stages, English | | #66-491 | C\$108.50 Volume Pricing Request Quote | 5 In Stock <input type="text" value="1"/> |

Related Products



Crossed-Roller Bearing Linear Translation Stages (Thru-Hole Model)



Stage Adapter Plates and Accessories



Socket Head Cap Screws

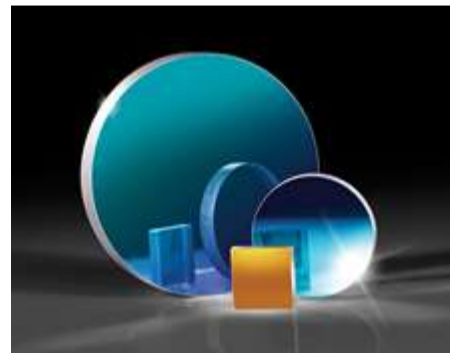


Stages and Slides

Frequently Purchased Together



#33-565 - 35mm Cx Series Fixed Focal Length Lens
C\$491.40



#39-196 - 12.7mm Diameter Enhanced Aluminum Coated, λ/10 Mirror
C\$126.00

Resources

Media Type

- Video
- FAQ
- Glossary
- Application Note

▶ VIDEO

Important Concepts for Selecting Manual...

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Multi-Axis Translation Stage Configuration...

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Multi-Axis Translation Stage Configuration...

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Stage
Specifications
to Know

? FAQ

How do I
mount a ball
bearing linear
translation...

? FAQ

Do you sell X-Z
translation
stages?

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