

TECHSPEC<sup>®</sup> 40mm, 106mm Radius, Metric Goniometer



TECHSPEC<sup>®</sup> Goniometers



+1

Stock #66-531 13 In Stock

-

1

+

£503<sup>41</sup>

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-2        | £503.41 each                  |
| Qty 3+         | £441.34 each                  |
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Product Downloads

SPECIFICATIONS

General

Type:

|                                      |                             |
|--------------------------------------|-----------------------------|
| Metric                               |                             |
| 10                                   | Resolution (arcmin):        |
| Physical & Mechanical Properties     |                             |
| Goniometer                           | Type of Movement:           |
| 40 x40                               | Stage Size (mm):            |
| ±7.5                                 | Travel (°):                 |
| Brass Stage                          | Construction:               |
| 0.5                                  | Leadscrew Pitch (mm):       |
| 3                                    | Load Capacity (kg):         |
| 106                                  | Radius R (mm):              |
| 1.57 x 1.57                          | Stage Size (inches):        |
| 0.3                                  | Weight (kg):                |
| Hardware & Interface Connectivity    |                             |
| Lead Screw                           | Type of Drive:              |
| Threading & Mounting                 |                             |
| (1) M6 x 1, (4) M3 x0.5, (8) M2 x0.4 | Mounting Threads:           |
| Regulatory Compliance                |                             |
| Compliant                            | RoHS 2015:                  |
| View                                 | Certificate of Conformance: |
| Compliant                            | REACH 241:                  |

## PRODUCT DETAILS

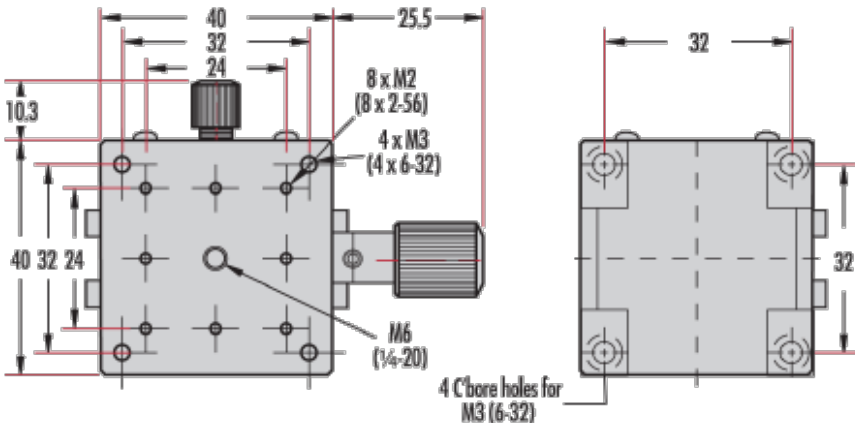
[Bottom adapter plates](#), sold separately, are required to mount 30mm and 40mm stages to standard breadboards.

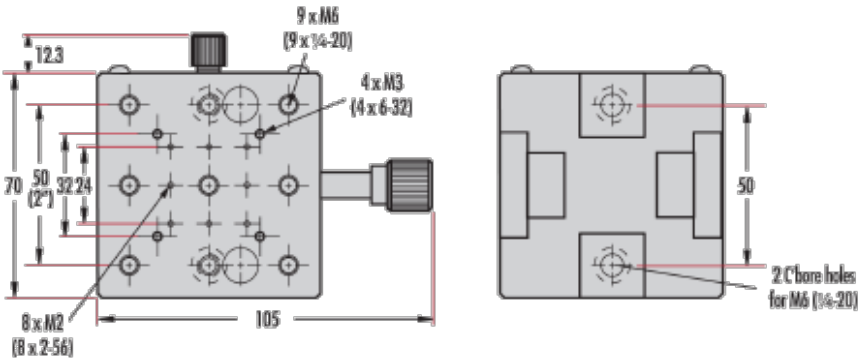
- Metric and English Hole Patterns Available
- Stackable for Two-Axis Rotation
- Mechanically Compatible with our [TECHSPEC® Stages](#)

TECHSPEC® Goniometers allow for precise angular adjustment of an object about a fixed point located above the center of the mounting surface. They provide true tip and tilt adjustment of any optical component and are often used to accurately direct lasers and align mirrors in beam steering applications. These goniometers are available in with Metric and English hole patterns. TECHSPEC® Goniometers are available in different plate sizes to accommodate a host of applications. Each size is offered in several radii of movement for easily stacking into two axis configurations. To provide motion about a common point in two different axes, mount goniometer stages with smaller radii on top of those with larger radii of the same stage size.

Each goniometer stage features precision movement along a dovetail design with a vernier scale for high-resolution measurements and movement repeatability. A locking thumbscrew allows each to be held securely in place. 30mm and 40mm goniometer stages are constructed of durable black painted brass, while 70mm goniometer stages are constructed of black anodized aluminum. [Bottom adapter plates](#), sold separately, are required to mount 30mm and 40mm stages to standard breadboards; 70mm stages will mount directly.

## TECHNICAL INFORMATION





|              |                      | Top Stage            |             |               |               |                 |             |                      |             |               |               |                 |             |                      |             |               |               |
|--------------|----------------------|----------------------|-------------|---------------|---------------|-----------------|-------------|----------------------|-------------|---------------|---------------|-----------------|-------------|----------------------|-------------|---------------|---------------|
|              |                      | 30mm Linear Dovetail | 30mm Linear | 30mm Vertical | 30mm Tip/Tilt | 30mm Goniometer | 30mm Rotary | 40mm Linear Dovetail | 40mm Linear | 40mm Vertical | 40mm Tip/Tilt | 40mm Goniometer | 40mm Rotary | 65mm Linear Dovetail | 70mm Linear | 70mm Vertical | 70mm Tip/Tilt |
| Bottom Stage | 30mm Linear Dovetail | Compatible           | Compatible  | Compatible    | Compatible    | Compatible      | Compatible  | Compatible           | Compatible  | Compatible    | Compatible    | Compatible      | Compatible  | Compatible           | Compatible  | Compatible    | Compatible    |
|              | 30mm Linear          | Compatible           | Compatible  | Compatible    | Compatible    | Compatible      | Compatible  | Compatible           | Compatible  | Compatible    | Compatible    | Compatible      | Compatible  | Compatible           | Compatible  | Compatible    | Compatible    |
|              | 30mm Vertical        | Compatible           | Compatible  | Compatible    | Compatible    | Compatible      | Compatible  | Compatible           | Compatible  | Compatible    | Compatible    | Compatible      | Compatible  | Compatible           | Compatible  | Compatible    | Compatible    |
|              | 30mm Tip/Tilt        | Compatible           | Compatible  | Compatible    | Compatible    | Compatible      | Compatible  | Compatible           | Compatible  | Compatible    | Compatible    | Compatible      | Compatible  | Compatible           | Compatible  | Compatible    | Compatible    |
|              | 30mm Goniometer      | Compatible           | Compatible  | Compatible    | Compatible    | Compatible      | Compatible  | Compatible           | Compatible  | Compatible    | Compatible    | Compatible      | Compatible  | Compatible           | Compatible  | Compatible    | Compatible    |
|              | 30mm Rotary          | Compatible           | Compatible  | Compatible    | Compatible    | Compatible      | Compatible  | Compatible           | Compatible  | Compatible    | Compatible    | Compatible      | Compatible  | Compatible           | Compatible  | Compatible    | Compatible    |
|              | 40mm Linear Dovetail | Compatible           | Compatible  | Compatible    | Compatible    | Compatible      | Compatible  | Compatible           | Compatible  | Compatible    | Compatible    | Compatible      | Compatible  | Compatible           | Compatible  | Compatible    | Compatible    |
|              | 40mm Linear          | Compatible           | Compatible  | Compatible    | Compatible    | Compatible      | Compatible  | Compatible           | Compatible  | Compatible    | Compatible    | Compatible      | Compatible  | Compatible           | Compatible  | Compatible    | Compatible    |
|              | 40mm Vertical        | Compatible           | Compatible  | Compatible    | Compatible    | Compatible      | Compatible  | Compatible           | Compatible  | Compatible    | Compatible    | Compatible      | Compatible  | Compatible           | Compatible  | Compatible    | Compatible    |
|              | 40mm Tip/Tilt        | Compatible           | Compatible  | Compatible    | Compatible    | Compatible      | Compatible  | Compatible           | Compatible  | Compatible    | Compatible    | Compatible      | Compatible  | Compatible           | Compatible  | Compatible    | Compatible    |
|              | 40mm Goniometer      | Compatible           | Compatible  | Compatible    | Compatible    | Compatible      | Compatible  | Compatible           | Compatible  | Compatible    | Compatible    | Compatible      | Compatible  | Compatible           | Compatible  | Compatible    | Compatible    |
|              | 40mm Rotary          | Compatible           | Compatible  | Compatible    | Compatible    | Compatible      | Compatible  | Compatible           | Compatible  | Compatible    | Compatible    | Compatible      | Compatible  | Compatible           | Compatible  | Compatible    | Compatible    |
|              | 65mm Linear Dovetail | Compatible           | Compatible  | Compatible    | Compatible    | Compatible      | Compatible  | Compatible           | Compatible  | Compatible    | Compatible    | Compatible      | Compatible  | Compatible           | Compatible  | Compatible    | Compatible    |
|              | 70mm Linear          | Compatible           | Compatible  | Compatible    | Compatible    | Compatible      | Compatible  | Compatible           | Compatible  | Compatible    | Compatible    | Compatible      | Compatible  | Compatible           | Compatible  | Compatible    | Compatible    |
|              | 70mm Vertical        | Compatible           | Compatible  | Compatible    | Compatible    | Compatible      | Compatible  | Compatible           | Compatible  | Compatible    | Compatible    | Compatible      | Compatible  | Compatible           | Compatible  | Compatible    | Compatible    |
|              | 70mm Tip/Tilt        | Compatible           | Compatible  | Compatible    | Compatible    | Compatible      | Compatible  | Compatible           | Compatible  | Compatible    | Compatible    | Compatible      | Compatible  | Compatible           | Compatible  | Compatible    | Compatible    |
|              | 70mm Goniometer      | Compatible           | Compatible  | Compatible    | Compatible    | Compatible      | Compatible  | Compatible           | Compatible  | Compatible    | Compatible    | Compatible      | Compatible  | Compatible           | Compatible  | Compatible    | Compatible    |
|              | 70mm Rotary          | Compatible           | Compatible  | Compatible    | Compatible    | Compatible      | Compatible  | Compatible           | Compatible  | Compatible    | Compatible    | Compatible      | Compatible  | Compatible           | Compatible  | Compatible    | Compatible    |
|              | 125mm Linear         | Compatible           | Compatible  | Compatible    | Compatible    | Compatible      | Compatible  | Compatible           | Compatible  | Compatible    | Compatible    | Compatible      | Compatible  | Compatible           | Compatible  | Compatible    | Compatible    |
|              | 125mm Vertical       | Compatible           | Compatible  | Compatible    | Compatible    | Compatible      | Compatible  | Compatible           | Compatible  | Compatible    | Compatible    | Compatible      | Compatible  | Compatible           | Compatible  | Compatible    | Compatible    |
|              | 125mm Tip/Tilt       | Compatible           | Compatible  | Compatible    | Compatible    | Compatible      | Compatible  | Compatible           | Compatible  | Compatible    | Compatible    | Compatible      | Compatible  | Compatible           | Compatible  | Compatible    | Compatible    |
|              | 125mm Rotary         | Compatible           | Compatible  | Compatible    | Compatible    | Compatible      | Compatible  | Compatible           | Compatible  | Compatible    | Compatible    | Compatible      | Compatible  | Compatible           | Compatible  | Compatible    | Compatible    |

