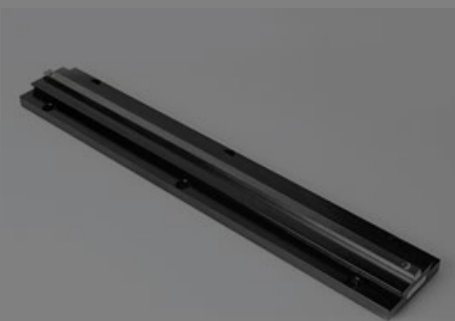


[All Products](#) / [Optomechanics](#) / [Mechanical](#) / [Long Travel Rack and Pinion Stages](#)

[See all 17 Products in Family](#)

TECHSPEC® 12" Travel Rack and Pinion Stage



Rack & Pinion Track

Please select your shipping country to view the most accurate inventory information, and to determine the correct Edmund Optics sales office for your order.

Select Your Country/Region: European Union

Submit

1

€228⁰⁰

ADD TO CART

Volume Pricing	
Qty 1+	€228,00 each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

- STEP:step
- PDF Drawing:pdf
- IGES:igs
- eDrawing:eprt
- EO Spec Sheet
- [Download All](#)

General

Type: English

Note: Track

Physical & Mechanical Properties

Type of Movement: Linear (X)

Travel (inches): 12

Construction: Black Anodized Aluminum

Graduation (inches): 0.1

Load Capacity, Normal (kg): 5

Load Capacity, Vertical (kg): 2

S.H.C.S. C'bore: (6) 0.27" Thru

Straight Line Accuracy (mm): 0.1 - 0.25

Travel Per Knob Rotation (inches): 0.71

Hardware & Interface Connectivity

Type of Drive: Rack and Pinion

Threading & Mounting

Mounting Threads: N/A

Regulatory Compliance

RoHS 2015: Exempt

Reach 224: Contains SVHC(s)

Certificate of Conformance: [View](#)

Product Details

- Carriers Feature One or Two Knobs, with English or Metric Mounting Hole Patterns
- Available with Both English and Metric Track Lengths
- Preassembled Common Carrier and Track Combinations are Available
- Vernier Scales of 0.01" or 0.1mm Resolution

TECHSPEC® Long Travel Rack and Pinion Stages are designed to allow for easy, long, linear adjustments while also maintaining precision and control. Available in English or Metric versions, these stages can be easily integrated into a rack and pinion mechanism, ensuring smooth adjustment. The rack and pinion mechanism features a Vernier scale with a resolution of 0.01" or 0.1mm. The stages feature a dovetail design with a helical thread and mounting holes for mounting directly to a standard breadboard.

Note: Tracks and Carriers are available separately. Please select your shipping country to view the most accurate inventory information, and to determine the correct Edmund Optics sales office for your order. Use the Z-Axis Configuration Bracket (#11-165) which is compatible with both English and Metric tracks. Use the Z-Axis Configuration Bracket (#11-

Please select your shipping country to view the most accurate inventory information, and to determine the correct Edmund Optics sales office for your order.

Select Your Country/Region:

Technical Information

Accessories

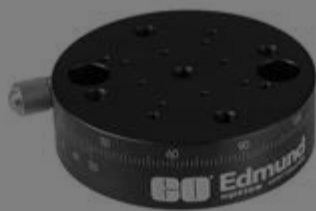
Note: Compatible accessories for individual stock numbers may vary. If unsure about which accessories work with your products, please contact us [here](#).

▲	Title	Compare	Stock Number	Price	Buy
MORE+	Z-Axis Configuration Bracket for Long Travel Rack & Pinion Track		#11-165	€250,00 Request Quote	10 In Stock 1

Related Products



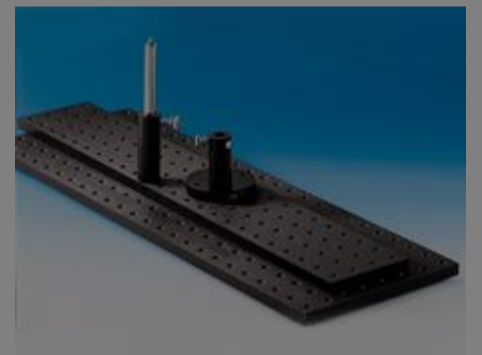
Vertical Translation Stages



Rotary Stages



Goniometers



English and Metric Breadboards

Frequently Purchased Together



#03-666 - 8.0 - 118.0 Optic Height, English Bar-Type Optic Holder
€120,00

Qty



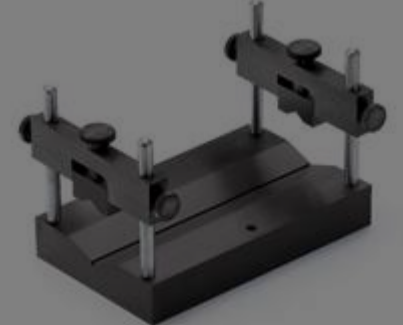
#03-627 - C-Mount Male to Olympus (RMS/DIN) Female Step-Down Adapter
€52,00

Qty



#03-655 - Sliding 2" x 3" Base Plate
€25,25

Qty



#03-665 - V-Block Base with Clamps
€305,00

Qty

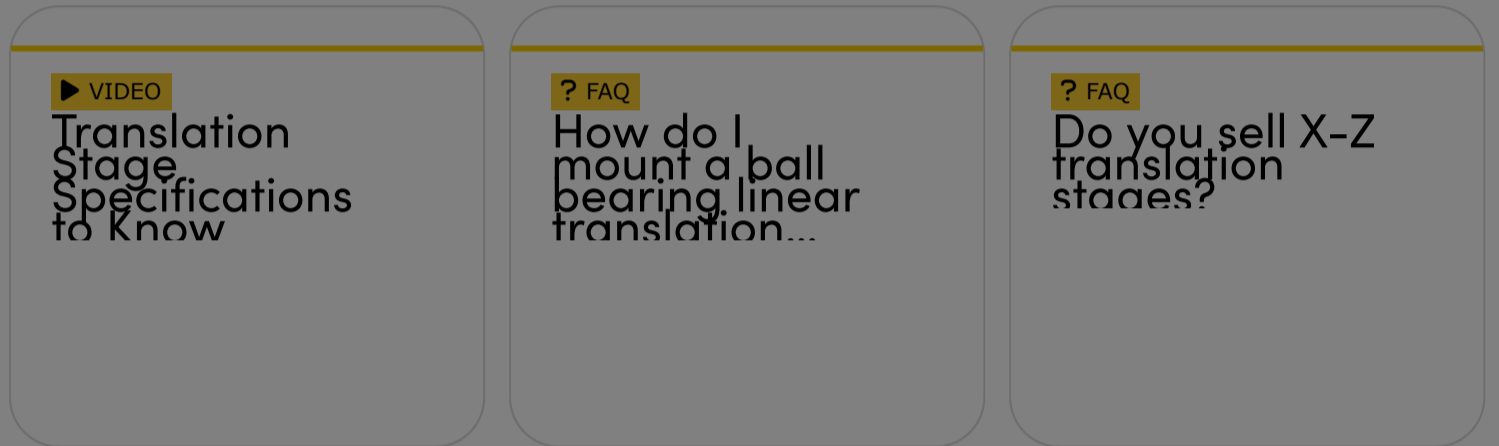
Resources

Please select your shipping country to view the most accurate inventory information, and to determine the correct Edmund Optics sales office for your order.

Select Your Country/Region:

Media Type

- Video
- FAQ
- Glossary
- Application Note



[View More](#)