

# TECHSPEC® 550mm Travel Metric Long Travel Rack & Pinion Track



Stock #56-797 **20+ In Stock**

1 **£359<sup>.20</sup>**

**ADD TO CART**

Rack & Pinion Track

Volume Pricing	
Qty 1+	£359.20 each
Need More?	<a href="#">Request Quote</a>

Prices shown are exclusive of VAT/local taxes

Product Downloads	
STEP:step	PDF Drawing:pdf
IGES:igs	eDrawing:eprt
EO Spec Sheet	<a href="#">Download All</a>

## General

**Type:** Metric

**Note:** Track

## Physical & Mechanical Properties

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

**Travel (mm):** 550

**Construction:** Black Anodized Aluminum

**Graduation (mm):** 1

**Load Capacity, Normal (kg):** 5

**Load Capacity, Vertical (kg):** 2

**S.H.C.S. C'bore:** (12) 6.5mm Thru

**Travel Per Knob Rotation (mm):** 18

**Straight Line Accuracy (mm):** 0.1 - 0.25

## 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 any system requiring controlled coarse positioning adjustments. Each track features an extruded dovetail design with a helical rack and pinion mechanism, ensuring smooth adjustments that can be locked with the included tension screw and Allen wrench. All TECHSPEC® Long Travel Rack and Pinion Stages feature a Vernier scale with a resolution of 0.01" or 0.1mm for accurate repeatable adjustments. Tracks feature either ¼"-20 or M6 counter bored holes for mounting directly to a standard breadboard.

**Note:** Tracks and Carriers are available separately. English carriers can be used for Metric tracks and vice versa. For vertical configurations, use the Z-Axis Configuration Bracket ([#11-165](#)) which is compatible with both English and Metric Tracks and can be mounted to Metric or English bench plates/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
<a href="#">MORE+</a>	Z-Axis Configuration Bracket for Long Travel Rack & Pinion Track		<a href="#">#11-165</a>	£200.00 <a href="#">Request Quote</a>	10 In Stock <input type="text" value="1"/>

## Related Products



Vertical Translation Stages



Rotary Stages



Goniometers



English and Metric Breadboards

## Frequently Purchased Together



#00-736 - 7.75" x 10.75" Sheets, Industrial Grade Lens Tissue  
£56.00

Qty



#03-607 - 50mm Diameter, X-Y-Z Positioning Movement  
£780.00

Qty



#03-625 - 30mm - 50mm Length, C-Mount Fine Focus Tube  
£94.40

Qty



#03-655 - Sliding 2" x 3" Base Plate  
£20.20

Qty

## Resources

**Media Type**

- Video
- FAQ
- Glossary
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