

TECHSPEC[®] 250mm Travel Metric Long Travel Rack & Pinion Track



Rack & Pinion Track

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1

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€213²¹

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SPECIFICATIONS

General	
Metric	Type:
Track	Note:

Physical & Mechanical Properties	
Linear (X)	Type of Movement:
250	Travel (mm):
Black Anodized Aluminum	Construction:
1	Graduation (mm):
5	Load Capacity, Normal (kg):
2	Load Capacity, Vertical (kg):
(6) 6.5mm Thru	S.H.C.S. C'bore:
18	Travel Per Knob Rotation (mm):
0.1 - 0.25	Straight Line Accuracy (mm):
Hardware & Interface Connectivity	
Rack and Pinion	Type of Drive:
Threading & Mounting	
N/A	Mounting Threads:
Regulatory Compliance	
Exempt	RoHS 2015:
Contains SVHC(s)	Reach 224:
View	Certificate of Conformance:

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

