

30mm X&Y, 40mm Z Travel, X-Y-Z Axis Rack & Pinion Stage



X-Y-Z Axis Metric Stages

Stock #62-041 **16 In Stock**

1 MRP ₹1,00,386

Price inclusive of all taxes

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Volume Pricing

| | |
|------------|-------------------------------|
| Qty 1-9 | ₹1,00,386 each |
| Qty 10+ | ₹88,622 each |
| Need More? | Request Quote |

Product Downloads

General

Metric **Type:**

With locking lever **Note:**

Physical & Mechanical Properties

Linear (X-Y-Z) **Type of Movement:**

| | |
|---|---------------------------------------|
| Dovetail | Guide System: |
| 40 x 34 | Stage Size (mm): |
| 30 (±15) in X and Y 40 (±20) in Z | Travel (mm): |
| None | Center Hole: |
| Rack and Pinion: Brass Stage: Aluminum | Construction: |
| 1.5 | Load Capacity (kg): |
| 20 | Travel Per Knob Rotation (mm): |
| 0.63 | Weight (kg): |
| 0.1 | Resolution (mm): |

Hardware & Interface Connectivity

| | |
|-----------------|-----------------------|
| Rack and Pinion | Type of Drive: |
|-----------------|-----------------------|

Threading & Mounting

| | |
|--------------|--------------------------|
| (8) M3 x 0.5 | Mounting Threads: |
|--------------|--------------------------|

Regulatory Compliance

| | |
|---|------------------------------------|
| Exempt | RoHS 2015: |
| View | Certificate of Conformance: |
| Contains SVHC(s) | Reach 247: |
| Japan | Country of Origin: |
| Edmund Optics India Private Limited 267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038 Phone: +91- 80-6845 0000 | Imported By: |

Product Details

Use 120mm x 70mm Metric Base Plate ([#54-977](#)) to connect Rack and Pinion Stages to breadboards. Z Axis Right Angle Brackets are available for use with stages that support Z axis translation.

- Aluminum Stage with Brass Rack and Pinion
- 20mm Travel per Knob Rotation
- Scale Features 1mm Increments with Locking Lever
- [Basic Rack and Pinion Stages](#) Also Available

Rack and Pinion Stages are ideal for a wide range of applications requiring high load capacity, accuracy, and long travel distances. The knob provides coarse positioning adjustment with 20mm of travel per rotation and can be locked in place with the locking lever. These stages feature a Vernier scale with a resolution of 1mm for accurate and repeatable adjustments. Rack and Pinion Stages are available in a variety of translation axes, including Linear (X), Linear (X-Y), Linear (X-Z), Linear (X-Y-Z), and Linear (Z).

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Technical Information

