

60mm Travel, X-Axis Rack & Pinion Stage



X-Axis Metric Stages

Stock #55-021 3-5 DAYS

- 1 + **\$439³⁵**

ADD TO CART

Qty 1-9

\$439.35

Qty 10+

\$388.16

Volume Pricing

[Request Quote](#)

Product Downloads

SPECIFICATIONS

General

Type:
Metric

Note:

With locking lever

Physical & Mechanical Properties

Type of Movement:
Linear (X)

Guide System:
Dovetail

Stage Size (mm):
80 x 34

Travel (mm):
60 (±30)

Center Hole:
None

Construction:
Rack and Pinion: Brass
Stage: Aluminum

Load Capacity (kg):
10

Travel Per Knob Rotation (mm):
20

Weight (kg):
0.3

Resolution (mm):
0.1

Hardware & Interface Connectivity

Type of Drive:
Rack and Pinion

Threading & Mounting

Mounting Threads:
(6) M4 x 0.7

Regulatory Compliance

RoHS 2015:
[Exempt](#)

Certificate of Conformance:
[View](#)

Reach 240:
[Contains SVHC\(s\)](#)

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).

Note: 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.

TECHNICAL INFORMATION

