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Rack and Pinion Stages



- 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

Common Specifications

General

Note: With locking lever

Physical & Mechanical Properties

Guide System: Dovetail

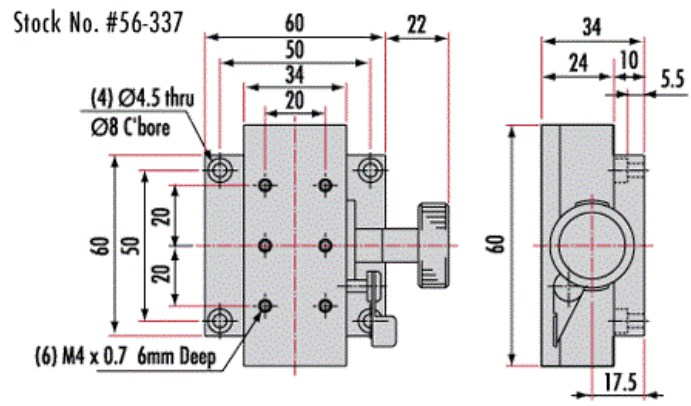
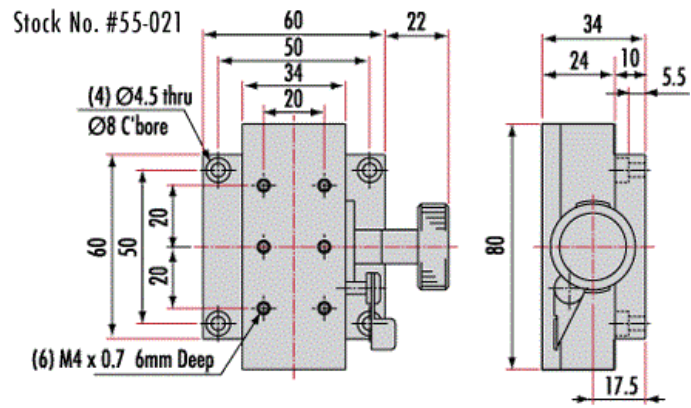
Construction: Rack and Pinion: Brass
Stage: Aluminum

Travel Per Knob Rotation (mm): 20

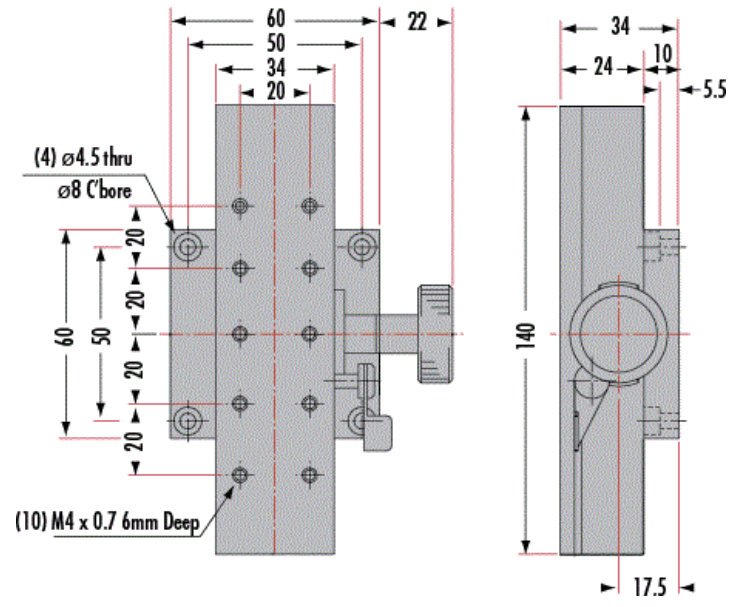
Hardware & Interface Connectivity

Type of Drive: Rack and Pinion

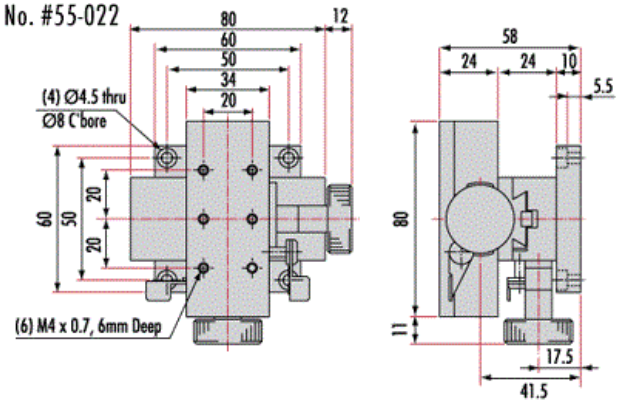
Technical Information



#56-338



Stock No. #55-022



Stock No. #62-040

Technical drawing of a 3D printed part, showing front and side views with dimensions.

Front View Dimensions:

- Overall Width: 80
- Overall Height: 60
- Top Flange Width: 60
- Top Flange Thickness: 12
- Central Body Width: 50
- Central Body Height: 34
- Central Body Thickness: 20
- Bottom Flange Width: 34
- Bottom Flange Thickness: 20
- Left Flange Width: 20
- Left Flange Thickness: 20
- Right Flange Width: 20
- Right Flange Thickness: 20

Side View Dimensions:

- Overall Width: 58
- Overall Height: 60
- Top Flange Width: 24
- Top Flange Thickness: 10
- Central Body Width: 24
- Central Body Height: 11
- Central Body Thickness: 17.5
- Bottom Flange Width: 24
- Bottom Flange Thickness: 17.5
- Left Flange Width: 24
- Left Flange Thickness: 17.5
- Right Flange Width: 24
- Right Flange Thickness: 17.5

Annotations:

- (4) $\varnothing 4.5$ thru $\varnothing 8$ C bore
- (6) M4 x 0.7, 6mm Deep

Stock No.

(8) M3x0.5, 6mm deep

(4) Ø4.5 thru Ø8 C bore

102 ± 20

35

34

25

24

24

14

25

40

37.5

34

5.5

41.5

142

24

24

10

50

22

60

50

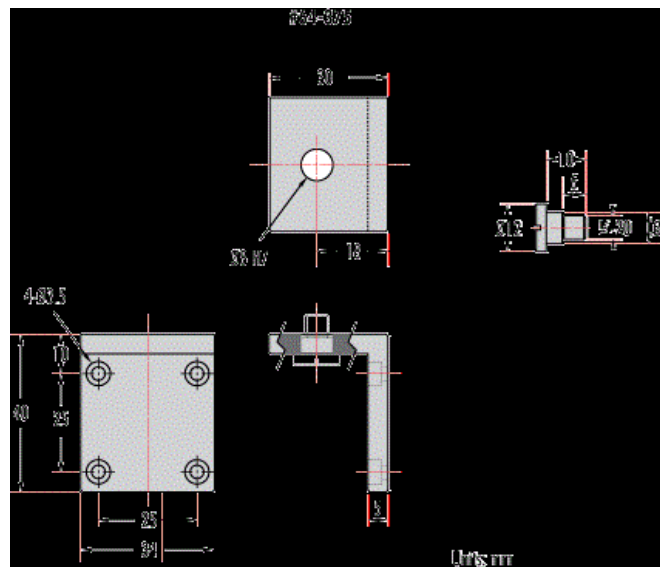
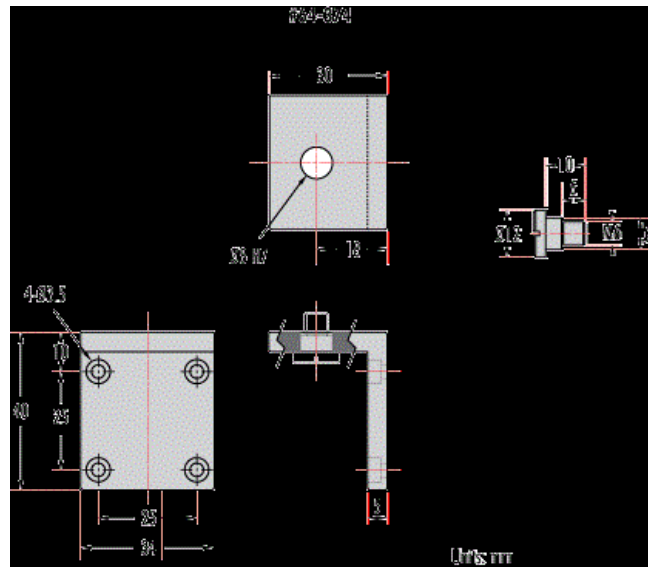
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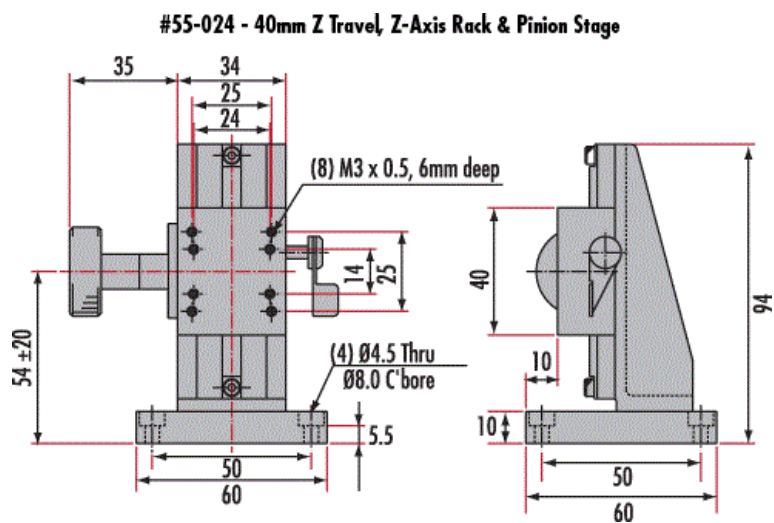
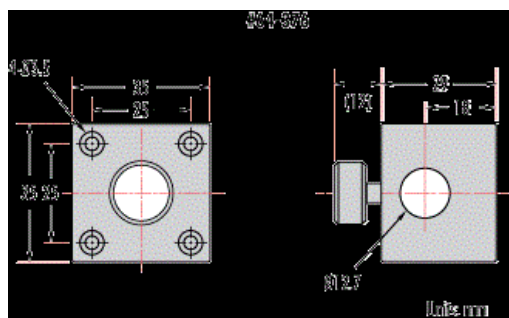
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Stock No. #

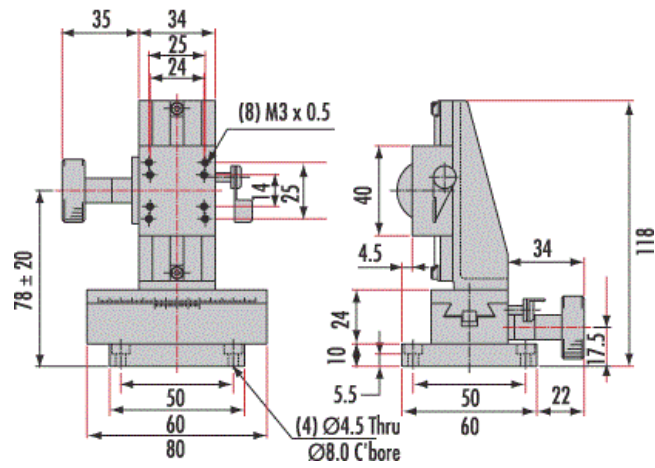
(8) M3x0.5

(4) Ø4.5 thru Ø8 C'bore

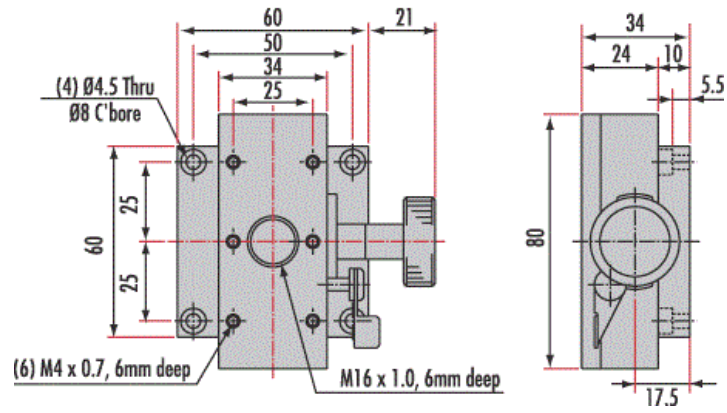




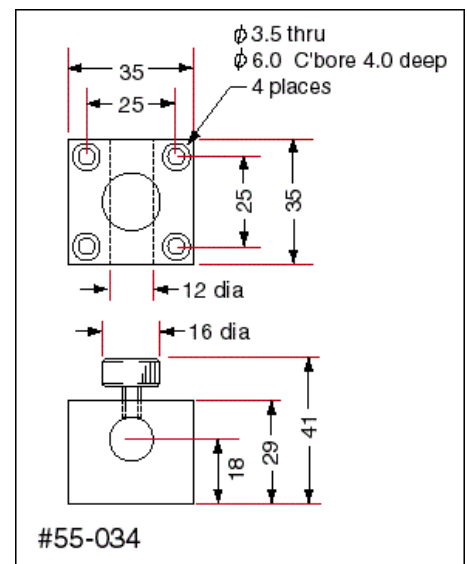
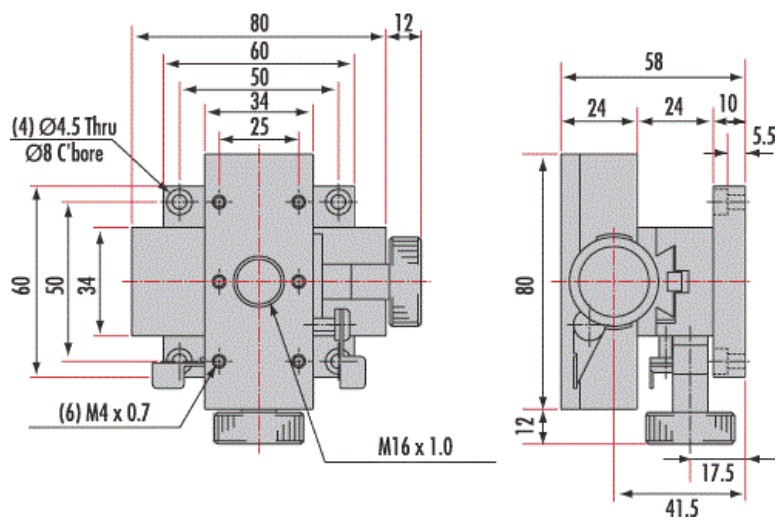
#55-025 - 60mm Y, 40mm Z Travel, Y-Z Axis Rack & Pinion Stage



#55-026 - 60mm Travel, X-Axis Rack & Pinion Stage



#55-027 - 60mm Travel, X&Y-Axis Rack & Pinion Stage



Products

Type of Movement	Type of Drive	Type	Travel (mm)	Resolution (mm)	Center Hole	Stock Number	Price	Buy
Linear (X)	Rack and Pinion	Metric	30 (±15)	0.1	None	#56-337	₹19,218 Qty 10+ ₹17,017	10 to 12 days
Linear (X)	Rack and Pinion	Metric	30 (±30)	0.1	None	#55-021	₹22,225 Qty 10+ ₹19,636	10 to 12 days
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Linear (X)	Rack and Pinion	Metric	100 (±50)	0.1	None	#56-338	₹26,113 Qty 10+ ₹23,054	10 to 12 days
Linear (X-Y)	Rack and Pinion	Metric	30 (±15)	0.1	None	#62-040	₹41,076 Qty 10+ ₹36,279	10 to 12 days
Linear (X-Y)	Rack and Pinion	Metric	60 (±30)	0.1	None	#55-022	₹44,377 Qty 10+ ₹39,169	10 to 12 days
Linear (X-Y-Z)	Rack and Pinion	Metric	60 (±30) in X 40 (±20) in Z	0.1	None	#55-023	₹66,382 Qty 10+ ₹58,599	10 to 12 days
Linear (X-Y-Z)	Rack and Pinion	Metric	30 (±15) in X 40 (±20) in Z	0.1	None	#62-041	₹66,382 Qty 10+ ₹58,599	10 to 12 days
Linear (Z)	Rack and Pinion	Metric	40 (±20)	0.1	None	#55-024	₹19,218 Qty 10+ ₹17,017	10 to 12 days
Linear (X-Z)	Rack and Pinion	Metric	60 (±30) in X 40 (±20) in Z	0.1	None	#55-025	₹41,076 Qty 10+ ₹36,279	10 to 12 days
Linear (X)	Rack and Pinion	Metric	60 (±30)	0.1	M16 x 1	#55-026	₹22,225 Qty 10+ ₹19,636	10 to 12 days
Linear (X-Y)	Rack and Pinion	Metric	60 (±30)	0.1	M16 x 1	#55-027	₹44,377 Qty 10+ ₹39,169	10 to 12 days



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