

160mm x 100mm Lab Jack Universal Breadboard Adapter



#12-796: 160mm x 100mm Lab Jack Universal Breadboard Adapter

Stock **#12-796** **5 In Stock**

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1

+

€88⁰⁰

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General

Included Hardware:
(4) 1/4-20, 1/2" Long Screws; (4) M6 x 1.0, 12mm Long Screws

Physical & Mechanical Properties

164.00	Length (mm):
8.00	Thickness (mm):

140.00	Width (mm):
Anodized Aluminum	Construction:
0.5	Weight (kg):

Regulatory Compliance	
Compliant	RoHS 2015:
Compliant	Reach 224:
View	Certificate of Conformance:

Product Details

• Rugged, Black Anodized Aluminum Construction

• Fine Lead Screw for Precision Movement

• Large Adjustment Knob for Maximum Control

• Locking Knob to Secure Vertical Positioning

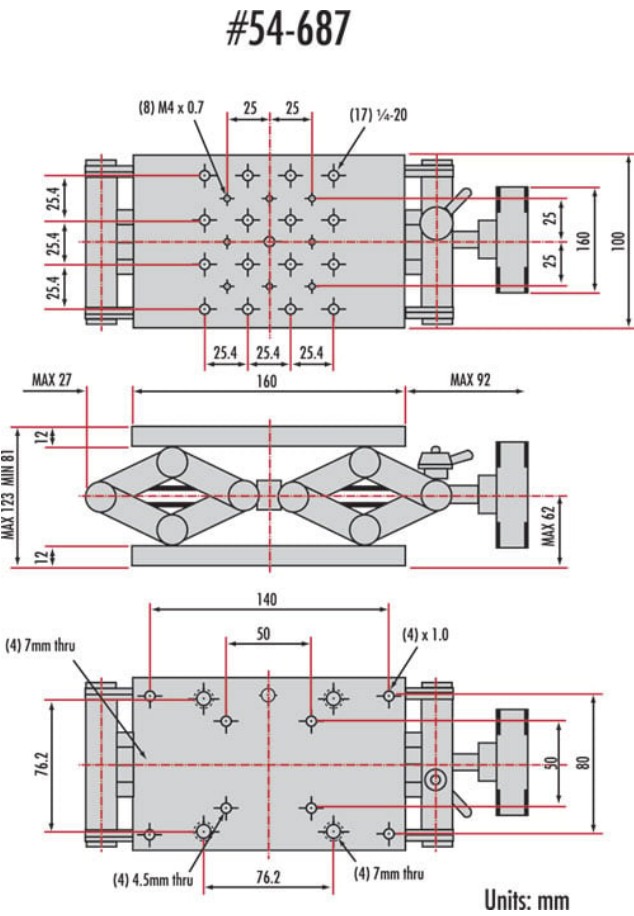
Metric Labs Jacks feature a rugged construction and a fine screw movement that allows for precision adjustment of vertical positioning of most optical components or equipment, with a maximum weight capacity of up to 55 lbs. Top surfaces are precision finished mounting platforms with ¼-20 and M4 tapped holes (see diagram). The bottom platforms have several additional M6 metric and ¼-20 English sized clearance holes, which are spaced to adapt to common mounting surfaces. Metric Lab Jacks utilize a locking knob to fix vertical position at desired height. Each full revolution of the adjustment knob moves the platform vertically by 1mm.

These metric lab jacks offer stable, height-adjustable platforms ideal for laboratory and optical systems requiring manual vertical positioning. Designed for durability and repeatability, each lab jack integrates smoothly with breadboards, post assemblies, and manual translation stages. Their compact footprint and metric compatibility make them well-suited for modular lab setups where vertical lift precision and load stability are essential.

160 x 100mm Lab Jack (#54-687) and 132 x 80mm Lab Jack (#56-336) are compatible with the following stages: #55-032, #55-459, #55-527, #55-840, and #55-841.

Note: Mount Lab Jacks on Metric or English Breadboards using #12-796 to mount #56-336 and #54-687, and use #12-797 to mount #62-009.

Technical Information



Technical drawings of the 100 Series Locking Knob, showing three views: front, side, and top.

Front View Dimensions:

- Overall width: 160
- Overall height: 120
- Knob diameter: Ø60
- Mounting plate width: 34.5
- Mounting plate height: 50
- Mounting plate thickness: 4
- Mounting plate holes: Ø10, Ø17, Ø22
- Mounting plate spacing: 25, 25, 25, 25, 25
- Mounting plate material: (35) M4 x 0.7

Side View Dimensions:

- Overall width: 275
- Overall height: 112 (Max)
- Knob diameter: Ø60
- Mounting plate width: 150
- Mounting plate height: 76 (Min), 170 (Max)
- Mounting plate thickness: 12
- Mounting plate holes: Ø10, Ø17, Ø22
- Mounting plate spacing: 25, 25, 25, 25, 25
- Mounting plate material: (35) M4 x 0.7
- Locking Knob: (4) M6 x 1.0
- Locking Knob height: 80
- Locking Knob width: 60
- Locking Knob thickness: 1.8
- Locking Knob holes: Ø10, Ø17, Ø22
- Locking Knob spacing: 25, 25, 25, 25, 25
- Locking Knob material: (35) M4 x 0.7

Top View Dimensions:

- Overall width: 150
- Overall height: 100
- Knob diameter: Ø60
- Mounting plate width: 150
- Mounting plate height: 100
- Mounting plate thickness: 50
- Mounting plate holes: Ø10, Ø17, Ø22
- Mounting plate spacing: 25, 25, 25, 25, 25
- Mounting plate material: (35) M4 x 0.7
- Locking Knob: (4) M6 x 1.0
- Locking Knob height: 80
- Locking Knob width: 60
- Locking Knob thickness: 1.8
- Locking Knob holes: Ø10, Ø17, Ø22
- Locking Knob spacing: 25, 25, 25, 25, 25
- Locking Knob material: (35) M4 x 0.7

Technical drawing showing three views of a mechanical part with dimensions in millimeters (mm).

Front View (Top):

- Overall width: 160
- Overall height: 80
- Top flange width: 132
- Top flange thickness: 14
- Bottom flange thickness: 43 Max
- Central slot width: 52 Max
- Central slot depth: 10
- Top flange hole diameter: $\varnothing 45$
- Top flange hole position: 25 (from center line)
- Top flange hole diameter: (15) M4 x 0.7

Top View (Middle):

- Overall width: 160
- Overall height: 80
- Top flange width: 132
- Top flange thickness: 14
- Bottom flange thickness: 43 Max
- Central slot width: 52 Max
- Central slot depth: 10
- Top flange hole diameter: $\varnothing 45$
- Top flange hole position: 25 (from center line)
- Top flange hole diameter: (15) M4 x 0.7

Side View (Bottom):

- Overall width: 140
- Overall height: 60
- Top flange width: 50
- Top flange thickness: 14
- Bottom flange thickness: 43 Max
- Central slot width: 52 Max
- Central slot depth: 10
- Top flange hole diameter: $\varnothing 45$
- Top flange hole position: 25 (from center line)
- Top flange hole diameter: (15) M4 x 0.7

Notes:

- (4) $\varnothing 7$ c'bore
- (4) $\varnothing 4.5$ c'bore
- (4) M6 x 1.0

Units: mm