

Precision Labjacks | LJA-M6/LJA-UU

RoHS

Application Systems

Optics & Optical Coatings

Opto-Mechanics

Bases

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X Axis Stages

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Z Axis Stages

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Others

15 × 15 mm

25 × 25 mm

40 × 40 mm

60 × 60 mm

65 × 65 mm

80 × 80 mm

100 × 100 mm

120 × 120 mm

Others

Z axis precision stages that achieve extremely high parallelism using OptoSigma's unique adjustment technology.

- The top and bottom plates of the LJ model are made of steel (magnetic bases can be attached and detached), and the LJA models are made of aluminum.
- Pantograph mechanism provides a large adjustment range and high load capacity.
- Rotate the adjustment knob to adjust the height.
- Fine pitch lead screw enables good sensitivity.
- Stable locking is achieved with a split clamp system.



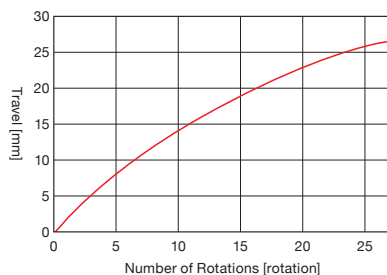
Guide

► Use the platform (LJP) to mount larger samples.

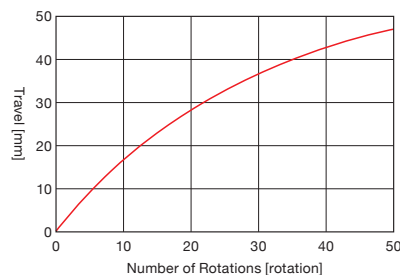
Reference E118 Catalog Code W7057

Travel Variation Per Adjustment Handle Rotation

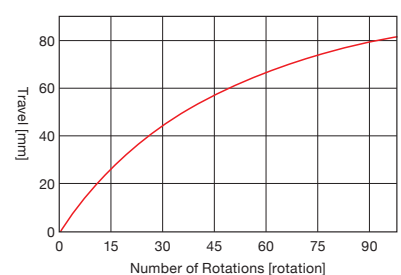
LJA-80133-M6/UU



LJA-10163-M6/UU



LJA-16223-M6/UU



Specifications

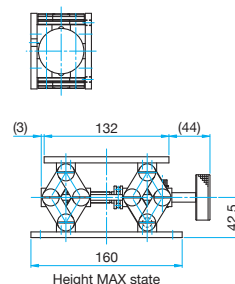
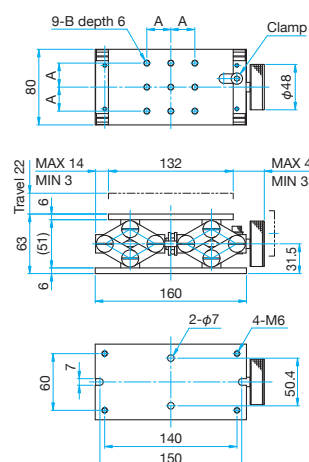
Part Number	METRIC	LJA-80133-M6	LJA-10163-M6	LJA-16223-M6
	INCH	LJA-80133UU	LJA-10163UU	LJA-16223UU
Stage Size [mm]		80×132	100×160	170×210
Axes of Travel		Z axis		
Travel [mm]		22	40	70
Primary Material		Aluminum		
Finish		Black anodized		
Load Capacity [N]		196 (20Kgf)	245 (25Kgf)	294 (30Kgf)
Max. Moment Capacity	Pitch [N·m]	29.4	38	49
	Roll [N·m]	2.9	4	6
Parallelism [μm]		100	100	100
Weight [kg]		2.3	3.4	5.9



Outline Drawing

LJA-80133-M6/80133UU

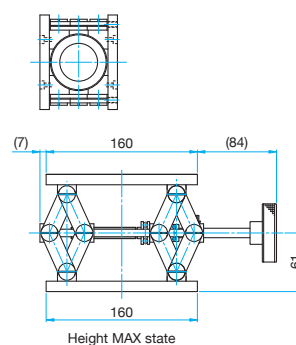
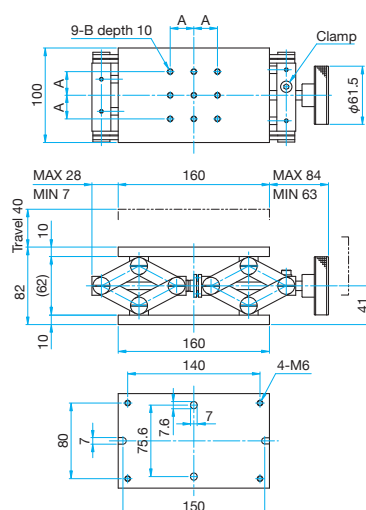
- Hexagonal socket head cap screw
 M6×12...4 screws,
 One 5mm hex wrench (M6)
 Hexagonal socket head cap screw
 1/4-20UNC×1/2...4 screws,
 One 5mm hex wrench (UU)



Part Number	A (mm)	B
LJA-80133-M6	25	M6 P1
LJA-80133UU	25.4	1/4-20UNC

LJA-10163-M6/10163UU

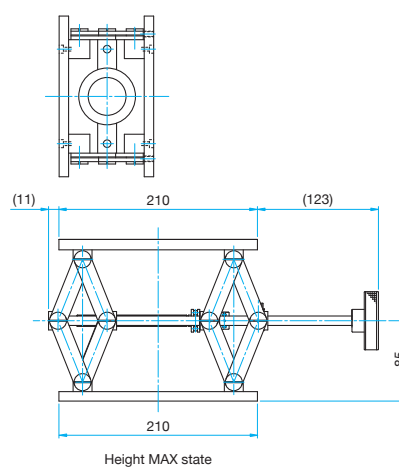
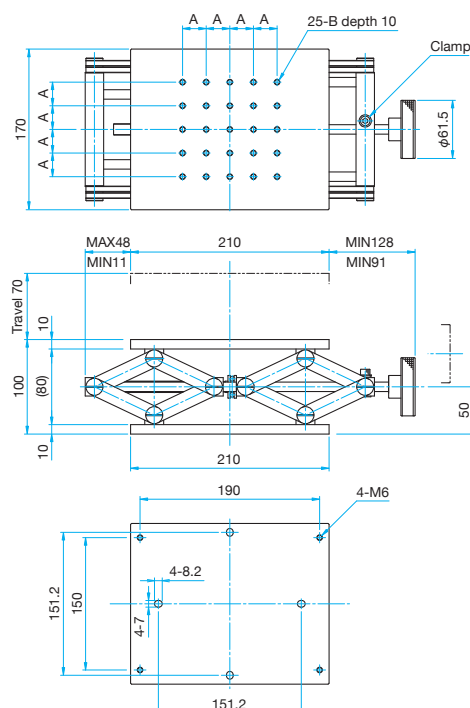
- Hexagonal socket head cap screw
 M6×12...4 screws,
 One 5mm hex wrench (M6)
 Hexagonal socket head cap screw
 1/4-20UNC×1/2...4 screws,
 One 5mm hex wrench (UU)



Part Number	A (mm)	B
LJA-10163-M6	25	M6 P1
LJA-10163UU	25.4	1/4-20UNC

LJA-16223-M6/16223UU

- Hexagonal socket head cap screw
 M6×12...4 screws,
 One 5mm hex wrench (M6)
 Hexagonal socket head cap screw
 1/4-20UNC×1/2...4 screws,
 One 5mm hex wrench (UU)



Part Number	A (mm)	B
LJA-16223-M6	25	M6 P1
LJA-16223UU	25.4	1/4-20UNC

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