

Z Axis Long Travel Leadscrew Translation Stages

Stage Size 160 × 160 mm Platform

LSV

RoHS

Long travel, high precision, leadscrew stages for Z-axis adjustment.



- Suitable for relatively less frequent operations that require long travel.
- Convenient crank style handle for adjustment.
- Tapped holes on the table top allow use in combination with other fine drive stages.

Application Systems

Optics & Optical Coatings

Opto-Mechanics

Bases

Manual Stages

Actuators & Adjusters

Motorized Stages

Light Sources & Laser Safety

Index

Guide

X Axis Stages

XY Axis Stages

Z Axis Stages

XZ Axis Stages

XYZ Axis Stages

Rotation Stages

Goniometer

Tilt Stages

Vacuum

Ball Bearing Guide

Crossed Roller

Dovetail

Lapping

V Groove Screw

Opters

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

Specifications

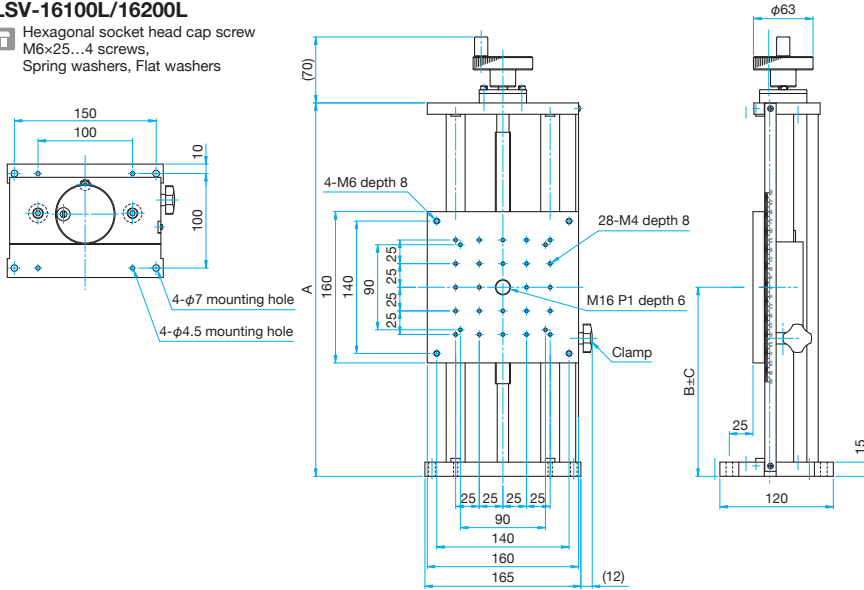
Part Number	METRIC	LSV-16100L	LSV-16100L-M6	LSV-16200L	LSV-16200L-M6
	INCH	—	LSV-16100LUU	—	LSV-16200LUU
Stage Size [mm]	160×160				
Axes of Travel	Z axis				
Screw Pitch [mm]		2	2	2	2
Readable Resolution [mm]		1	1	1	1
Travel [mm]		±50	±50	±100	±100
Guide Method	Linear bearing				
Primary Material	Aluminum				
Finish	Black anodized				
Load Capacity [N]		78.4 (8.0kgf)	78.4 (8.0kgf)	78.4 (8.0kgf)	78.4 (8.0kgf)
Travel Accuracy	Straightness [μm]	10	10	10	10
Max. Moment Capacity	Pitch [N·m]	4.9	4.9	4.9	4.9
Moment Stiffness	Pitch ["/N·cm]	0.36	0.36	0.71	0.71
Weight [kg]		4.7	4.7	5.3	5.3



Outline Drawing

LSV-16100L/16200L

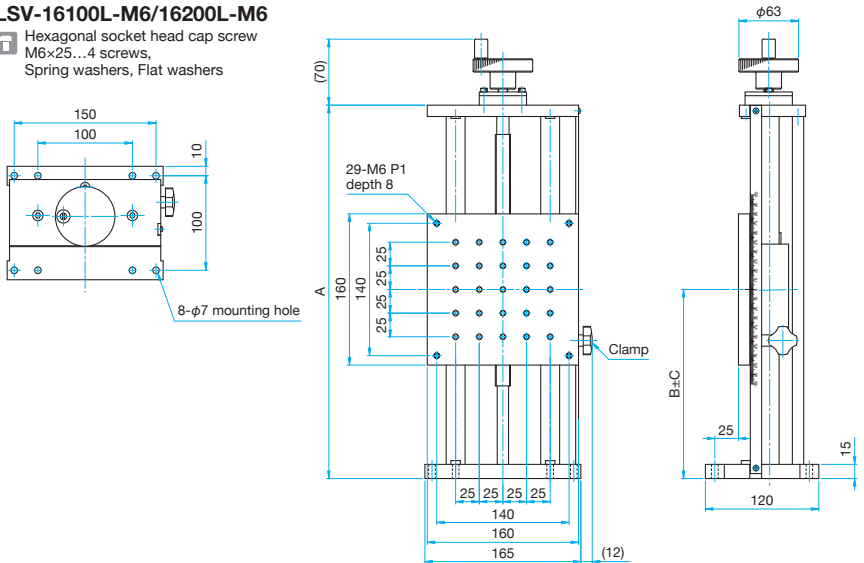
Hexagonal socket head cap screw
M6×25...4 screws,
Spring washers, Flat washers



Part Number	A (mm)	B (mm)	D (mm)
LSV-16100L	295	150	50
LSV-16200L	395	200	100

LSV-16100L-M6/16200L-M6

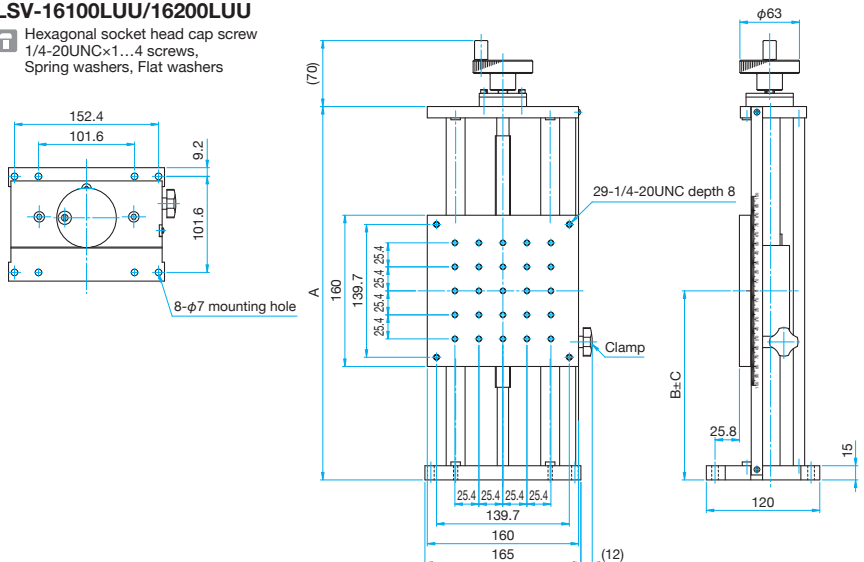
Hexagonal socket head cap screw
M6×25...4 screws,
Spring washers, Flat washers



Part Number	A (mm)	B (mm)	D (mm)
LSV-16100L-M6	295	150	50
LSV-16200L-M6	395	200	100

LSV-16100LUU/16200LUU

Hexagonal socket head cap screw
1/4-20UNC×1...4 screws,
Spring washers, Flat washers



Part Number	A (mm)	B (mm)	D (mm)
LSV-16100LUU	295	150	50
LSV-16200LUU	395	200	100

Application Systems

Optics & Optical Coatings

Opto-Mechanics

Bases

Manual Stages

Actuators & Adjusters

MotORIZED Stages

Light Sources & Laser Safety

Index

Guide

X Axis Stages

XY Axis Stages

Z Axis Stages

XZ Axis Stages

XYZ Axis Stages

Rotation Stages

Goniometer

Tilt Stages

Vacuum

Ball Bearing Guide

Crossed Roller

Dovetail

Lapping

V Groove Screw

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