

Opto-Mechanic

# Rod Form Laser Mounts Adjustable Laser Holders (with a stand)

LAH LAHU/LAHU-A

# LAH



φ20

Fixing scre

120

12

## Holders for He-Ne lasers.

The six screws can be used to adjust the height and angle of the mounted laser tube.

- Laser tube diameters from  $\phi$ 18 to  $\phi$ 54mm can fit in this holder by adjusting the three screws on both sides.
- The angle of beam tilt can also be changed by adjusting the six screws.
- The LAH-2 also includes an adjustment mechanism for changing the beam tilt angle.

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## Guide

Post length can be changed by specifying the post length when you place an order. We may charge the difference in price depending on the length. Contact our Sales Division for more information.

RoHS Catalog W4029

RoHS Code W4030

## Attention

After beam adjustment, make sure that the laser is fixed securely with the six fixing screws. Looseness in one screw will cause displacement in the optical axis or vibration.

Three-P	oint Suppo	ort Type	Primary material: Aluminum Finish: Black Anodized			
Part Number	Compatible Laser Diameter [mm]	Length A [mm]	Adjustment Range Tilt [°]	Resolution Tilt [°/rotation]	Weight [kg]	
LAH-1T	φ18 – φ54	140	_	-	0.31	
LAH-1	φ18 – φ54	240	-	-	0.51	
LAH-2T	φ18 – φ54	140	±4	about 0.5	0.45	
LAH-2	φ18 – φ54	240	±2.4	about 0.3	0.91	

## LAHU/LAHU-A

LAH-2T/LAH-2 🚺 M6 P1



## Cylindrical Laser mounts for use with vibration isolated Rod Mount system. The dampened structure makes the holders ideal or use in holograms or interferometry.

- Cylindrical lasers of  $\phi$ 25.4 to  $\phi$ 44.5mm diameter fit in the V-grooved section and are held in place by a single clamping screw.
- Holders can be mounted at any position by sliding along the damped rod.
- Can be directly mounted on a vibration isolator or optical breadboard with 50×50mm matrix M6 screw holes or 1/4-20 UNC holes on 2" spacing.
- LAHU-A mounts can adjust beam tilt and rotation.

# Outline Drawing



## Guide

Consult our Sales Division if holders with an optical axis height of 300mm or higher is necessary.

#### Attention

- The holder may slide due to its weight when changing the height. Be careful not to drop the holder when adjusting.
- Lasers are very delicate instruments. Pushing in a fixing screw with excessive force sometimes deteriorates the laser performance.

Stand Type		Strut: Stainless steel Finish: None Holder material: Aluminum Finish: Black Anodized				
Part Number	Strut Length A [mm]	Compatible Laser Diameter [mm]	Adjustm Tilt [°]	ent Range Rotation [°]	Weight [kg]	
LAHU-45-POS177	177.8	φ25.4 – φ44.5	-	_	2.6	
LAHU-45-POS355	355.6	φ25.4 – φ44.5	-	-	3.9	
LAHU-45A-POS177	177.8	φ25.4 – φ44.5	±2	±2	2.7	
LAHU-45A-POS355	355.6	φ25.4 – φ44.5	±2	±2	4.0	

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