

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

LAH
LAHU/LAHU-A

LAH

RoHS Catalog Code W4029

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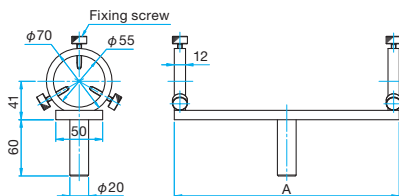


Holders for He-Ne lasers. The six screws can be used to adjust the height and angle of the mounted laser tube.

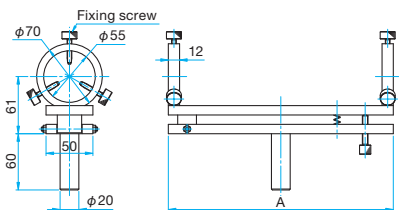
- Laser tube diameters from $\phi 18$ to $\phi 54$ mm can fit in this holder by adjusting the three screws on both sides.
- The angle of beam tilt can also be changed by adjusting the six screws.
- The LAH-2 also includes an adjustment mechanism for changing the beam tilt angle.

Outline Drawing

LAH-1T/LAH-1 M6 P1



LAH-2T/LAH-2 M6 P1



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.

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-Point Support 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 | $\phi 18 - \phi 54$ | 140 | — | — | 0.31 |
| LAH-1 | $\phi 18 - \phi 54$ | 240 | — | — | 0.51 |
| LAH-2T | $\phi 18 - \phi 54$ | 140 | ± 4 | about 0.5 | 0.45 |
| LAH-2 | $\phi 18 - \phi 54$ | 240 | ± 2.4 | about 0.3 | 0.91 |

LAHU/LAHU-A

RoHS Catalog Code W4030



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

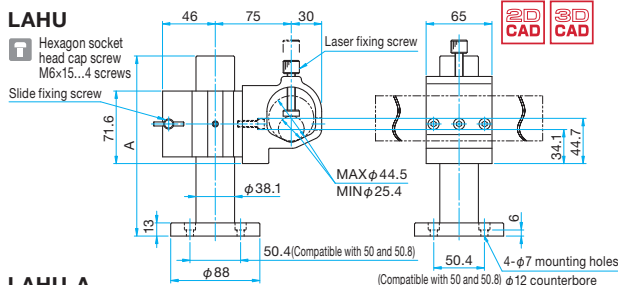
- Cylindrical lasers of $\phi 25.4$ to $\phi 44.5$ mm diameter fit in the V-grooved section and are held in place by a single clamping screw.
- Holders can be mounted at any position by sliding along the damped rod.
- Can be directly mounted on a vibration isolator or optical breadboard with 50x50mm matrix M6 screw holes or 1/4-20 UNC holes on 2" spacing.
- LAHU-A mounts can adjust beam tilt and rotation.

Outline Drawing

LAHU

Hexagon socket head cap screw M6x15...4 screws

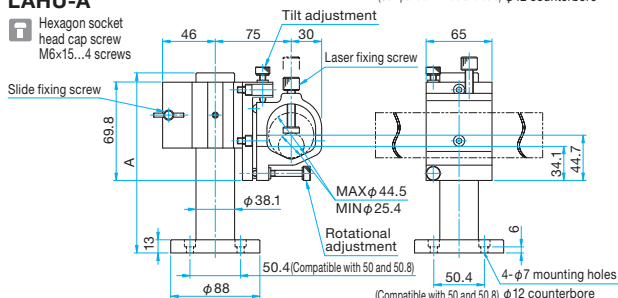
Slide fixing screw



LAHU-A

Hexagon socket head cap screw M6x15...4 screws

Slide fixing screw



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] | Adjustment Range Tilt [°] | Rotation [°] | Weight [kg] |
|-----------------|---------------------|--------------------------------|---------------------------|--------------|-------------|
| LAHU-45-POS177 | 177.8 | $\phi 25.4 - \phi 44.5$ | — | — | 2.6 |
| LAHU-45-POS355 | 355.6 | $\phi 25.4 - \phi 44.5$ | — | — | 3.9 |
| LAHU-45A-POS177 | 177.8 | $\phi 25.4 - \phi 44.5$ | ± 2 | ± 2 | 2.7 |
| LAHU-45A-POS355 | 355.6 | $\phi 25.4 - \phi 44.5$ | ± 2 | ± 2 | 4.0 |