

AUS series Kinematic Mirror Mount

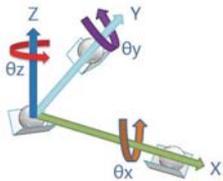


Brief Introduction

AUS series kinematic mirror mounts, with high sensitivity and high stability, are general purpose new designed by Zolix.

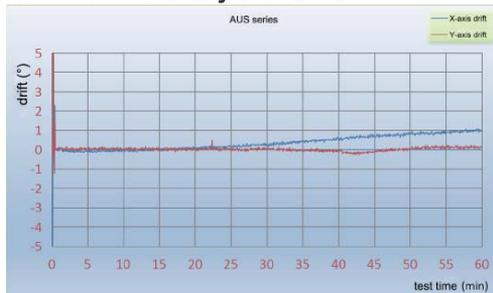
Features:

- High-quality materials: The main body is made of high-quality aluminium alloy, and the surface treated by black anodic oxidation.
- High stability:
 - ① Different from the traditional point-line-surface structure, better line-line-line structure is used, which has higher adjustment accuracy.
 - ② Increase the thickness of the fixed plate, for higher rigidity and stability.
 - ③ The design of four-pull spring enhances the pulling force and makes the distribution of the pulling force more uniform.
 - ④ Hard steel sheet is used on the top surface of the screw pair, which has smoother adjusting performance.
- High sensitivity: 3 pcs 0.2 mm pitch super-fine thread pairs for 3D adjustment, for higher sensitivity
- Dual fixing method : One locking method is specially designed elastic ring, which can avoid the lens deformation by the locking screws or rigid fixing. Improve the stability of the optical path. Or you can take off the elastic ring, using the side elastic plate fix the lens.
- Dual locking method: In addition to the thread pair come with locking mechanism, the front and rear plates are designed with locking threaded holes.
- Dual adjustment method: Adjusting thread pair come with inner-hexagonal adjusting hole behind. can coupled with standard thumb wheel or Inner hexagon spanner, for better adjustment sensitivity and also larger angle range.
- Universal mounting holes: with both M4, M6 screw holes



line-line-line structure

AUS series Stability Test Data



Details Display

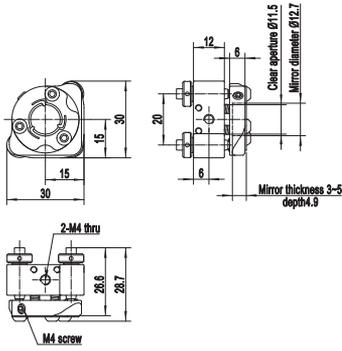
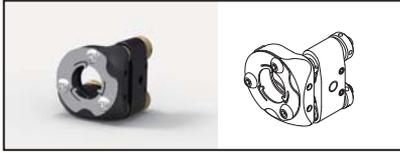


Selection Table:

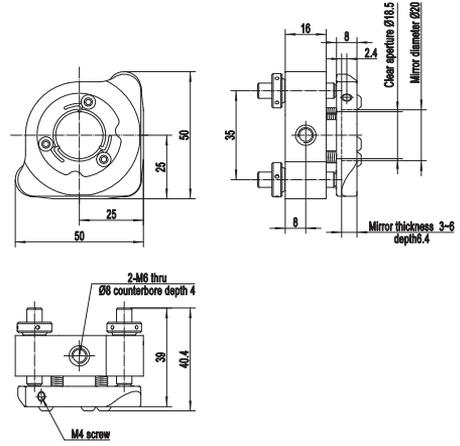
Model	AUS12.7	AUS20	AUS25.4	AUS38.1	AUS50.8
Optic Size(mm)	φ 12.5/ φ 12.7	φ 20	φ 25/ φ 25.4	φ 38.1	φ 50/ φ 50.8
Optics Thickness(mm)	3~5	3~6	3~6	3~6	4~8
Adjustment Angle Range(°)	± 3				
Front Plate Translation(mm)	MAX6				
Clear Aperture (mm)	φ 11.5	φ 18.5	φ 24	φ 36.5	φ 48.5
Optic Center Height (mm)	15	25	25	30	35
One Round of Screw Drive vs Angle Adjusted (°)	≈0.57	≈0.33	≈0.33	≈0.25	≈0.21
Main Body Material and Treatment	aluminium alloy, surface treated by black anodic oxidation.				
Thickness of The Fixed Plate(mm)	12	16			
Number of Pulling Spring	4				
Locking Mechanics	Yes				
Mounting Hole	M4	M4 M6, φ 8 sink hole			
Net Weight(g)	42	132	130	144	180

Dimensions:

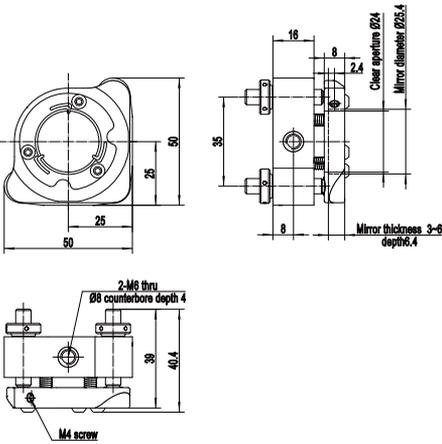
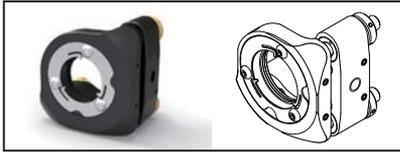
AUS12.7



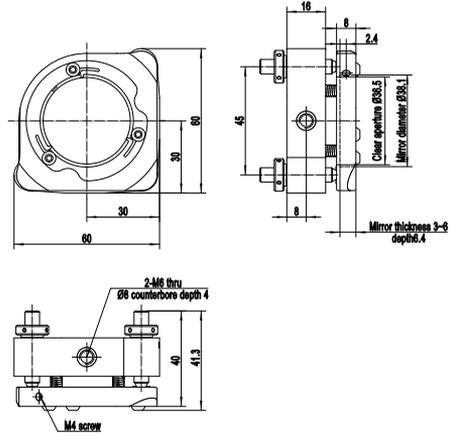
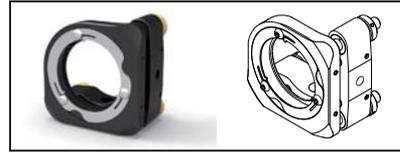
AUS20



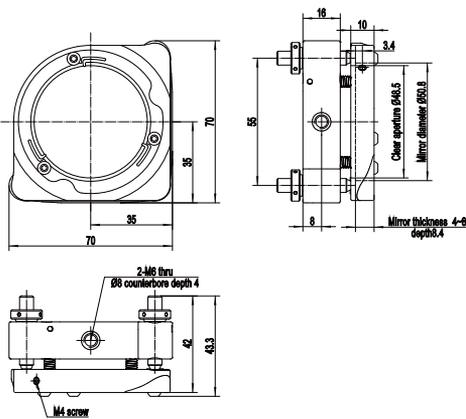
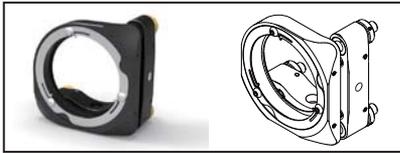
AUS25.4



AUS38.1



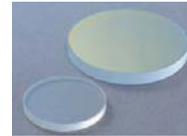
AUS50.8



Related Products:



Mirrors with coating



Beamsplitter



Connecting Accessories