

# Kinematic Lens Mount

Most of the kinematic mount for lens are 2 axis or 3 axis in translation. If the coaxiality of the lens is required, the coaxial lens mount or 2 axis kinematic lens mount may be selected. There are two ways to lock the lens, open style or O ring style.

## NL series Kinematic Lens Mount



### Brief Introduction:

NL series kinematic lens mount is used for adjust the lens in 2D or 3D in transmission (X,Y,Z), to make the lens center match the optical beam center.

### Features:

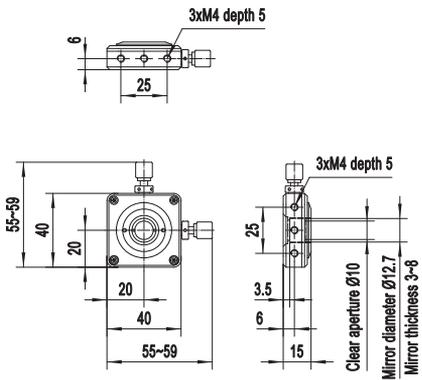
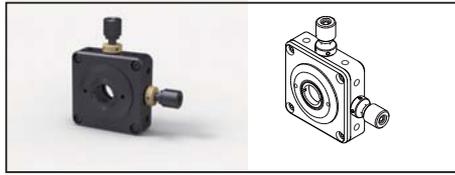
- High-quality materials: The main body is made of high-quality aluminium alloy, and the surface treated by black anodic oxidation.
- Advanced structure:
  - ① Position holded by elastic press ring, avoid the cross-impact of the two axis adjustment
  - ② Well caculated spring force more smooth in translation and stable.
  - ③ Come with a scriber, the center of the lens can be easily identified
- High sensitivity: X-Y axis with 0.2 mm pitch super-fine thread pairs ; Z-axis with 0.5mm fine pitch for high sensitivity;
- Universal mounting holes: M4, M6 screw holes

### Selection Table:

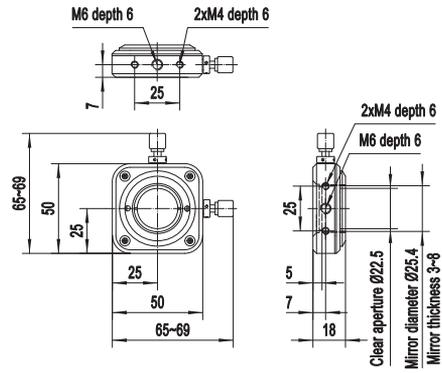
Model	NLXY12.7	NLXY25.4	NLXY50.8	NLXYZ12.7	NLXYZ25.4
Optic Size (mm)	φ 12.5/ φ 12.7	φ 25/ φ 25.4	φ 50/ φ 50.8	φ 12.7	φ 25/ φ 25.4
Optics Thickness (mm)	3~8	3~8	3~14	3~8	3~10
Translation Range(mm)	X-axis		±2		
	Y-axis		±2		
	Z-axis	/			±2
Clear Aperture (mm)	φ 10	φ 22.5	φ 46	φ 10	φ 22.5
Optic Center Height (mm)	20	25	40	25	40
One Round of Screw Drive vs Translation Adjusted (mm)	0.2				
One Round of Z-axis Screw Drive vs Translation Adjusted (mm)	/			0.5	
Main Body Material and Treatment	aluminium alloy, surface treated by black anodic oxidation.				
Overall Thickness (mm)	15	18	25	MAX27.5	MAX38.5
Locking Mechanics	Yes				
Mounting Hole	M6, 2M4				
Net Weight (g)	70	95	280	120	415

## Dimensions:

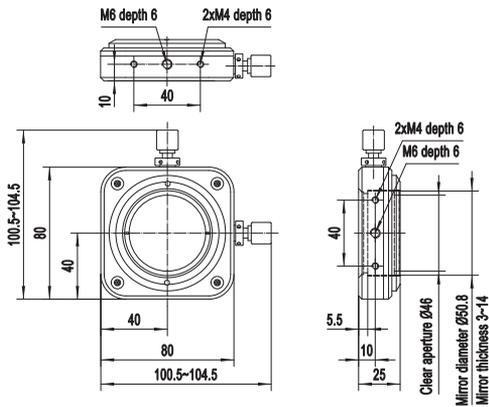
NLXY12.7



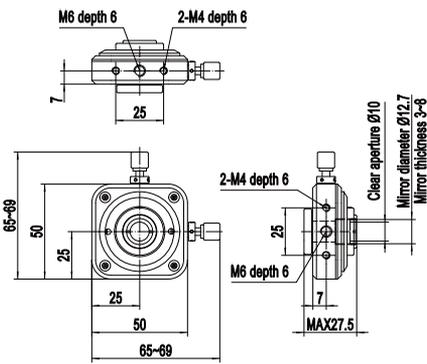
NLXY25.4



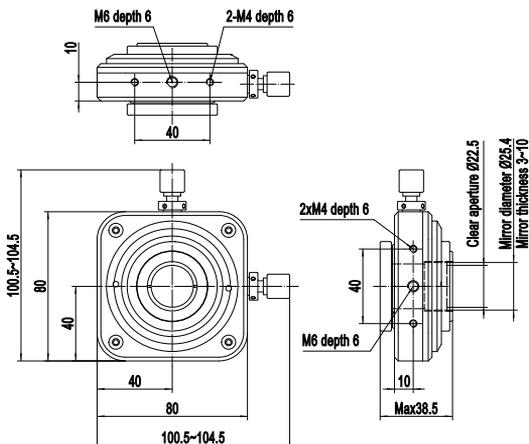
NLXY50.8



NLXYZ12.7



NLXYZ25.4



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Lenze



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