

OMHS General Purpose Kinematic Mirror Mount

AL
2024



Brief Introduction:

The OMHS series is a universal motion frame designed by Zolix, featuring an optimized structure and precision manufacturing process. The surface is anodized, making it suitable for darkroom experiments.

Features:

- Adopt three sets of 0.25mm pitch super-fine screws for 3D adjustment, delivering highest sensitivity.
- The product series is comprehensive, covering a range of sizes from Ø12.7 to Ø50.8 mm.
- Each size includes a variety of lens mounting methods, including: closed type with hexagon headless screw(standard type), open type with hexagon headless screw(-B type), closed type with retaining ring(-C type).
- Each adjustment frame can be divided into two types: without locking mechanism(standard type) and with locking mechanism(-S type).

Selection table:

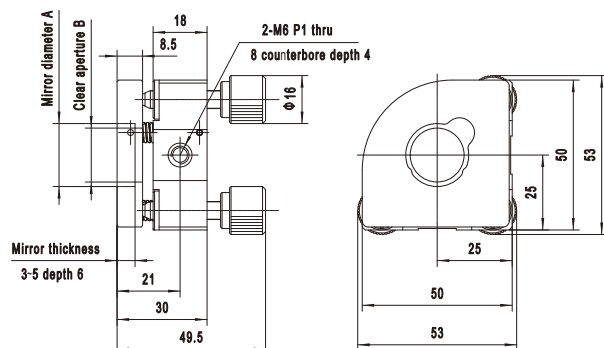
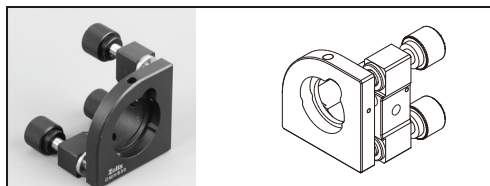
Model	OMHS12.7(-S)	OMHS20(-S)	OMHS25(-S)	OMHS30(-S)	OMHS38.1(-S)	OMHS50.8(-S)
Optic Size A(mm)	Ø12.5/Ø12.7	Ø20	Ø25/Ø25.4	Ø30	Ø38.1	Ø50/Ø50.8
Optic Edge Thickness (mm)	3~5				4~8	
Angular Range(°)	±3					
Travel Range (Z axis)(mm)	MAX6					
Clear Aperture B(mm)	Ø11	Ø18	Ø22	Ø27	Ø35	Ø47
Optical Axis Height(mm)	25	25	25	25	35	35
Resolution: angular adjustment per revolution(°)	≈0.39	≈0.39	≈0.39	≈0.39	≈0.25	≈0.25
Main Body Material and Surface Treatment	Black anodized aluminium alloy					
Thickness of The Fixed Plate(mm)	18					
Number of Pulling Spring	2				4	
Mounting Hole	M6, Ø8 counter bore					
Net Weight(g)	148 (160)	142 (154)	138 (150)	135 (147)	215 (227)	185 (197)

Model	OMHS12.7-B(S)	OMHS20-B(S)	OMHS25-B(S)	OMHS30-B(S)	OMHS38.1-B(S)	OMHS50.8-B(S)
Optic Size A(mm)	Ø12.5/Ø12.7	Ø20	Ø25/Ø25.4	Ø30	Ø38.1	Ø50/Ø50.8
Optic Edge Thickness (mm)	3~5				4~8	
Angular Range(°)	±3					
Travel Range (Z axis)(mm)	MAX6					
Clear Aperture B(mm)	Ø11	Ø18	Ø22	Ø27	Ø35	Ø47
Optical Axis Height(mm)	25	25	25	25	35	35
Resolution: angular adjustment per revolution(°)	≈0.39	≈0.39	≈0.39	≈0.39	≈0.25	≈0.25
Main Body Material and Surface Treatment	Black anodized aluminium alloy					
Thickness of The Fixed Plate(mm)	18					
Number of Pulling Spring	2				4	
Mounting Hole	M6, Ø8 counter bore					
Net Weight(g)	138 (150)	135 (146)	132 (143)	130 (140)	195 (206)	175 (186)

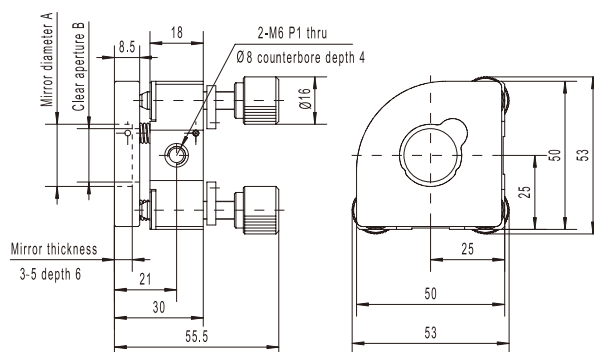
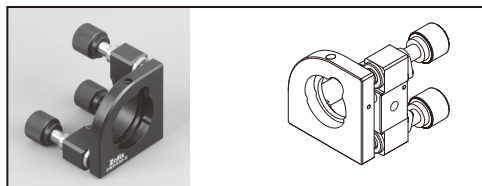
Note: -S is a locking type

Dimensions:

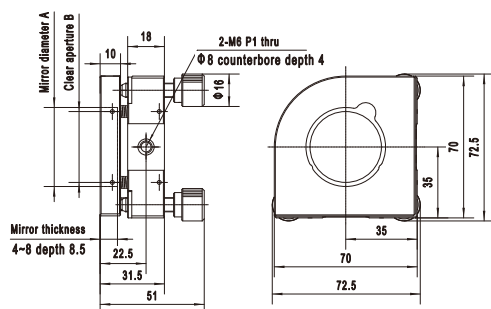
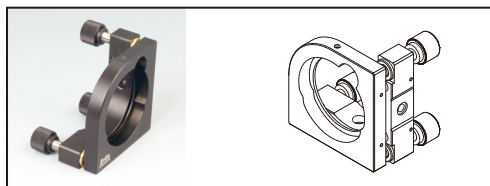
OMHS12.7/20/25/30



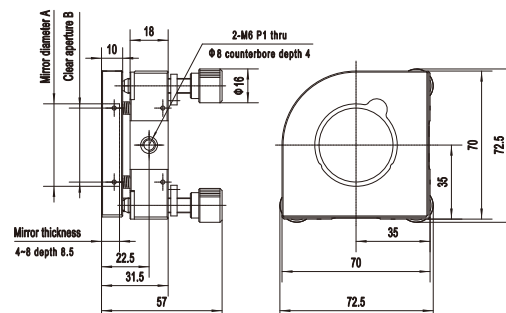
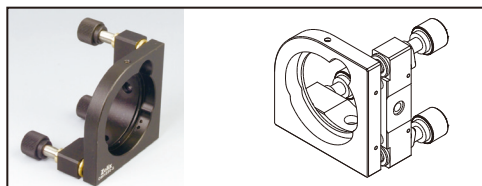
OMHS12.7/20/25/30-S



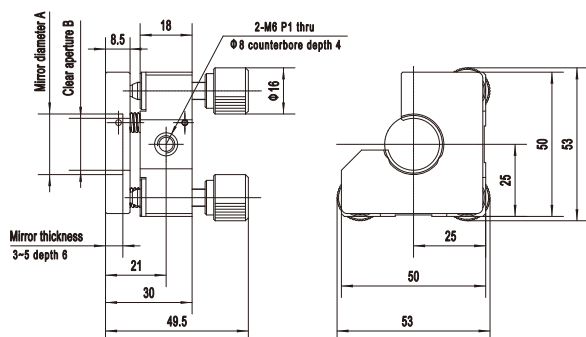
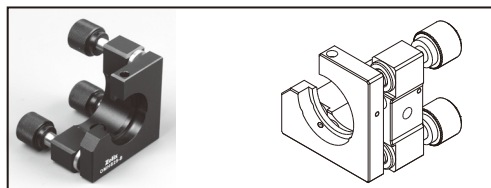
OMHS38.1/50



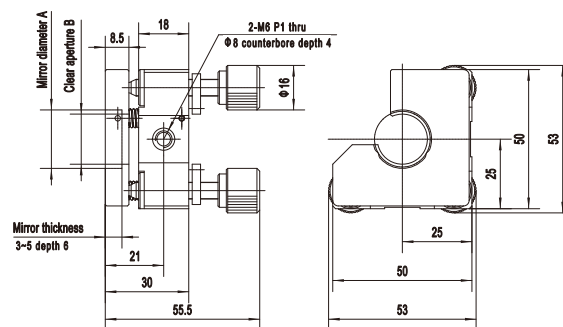
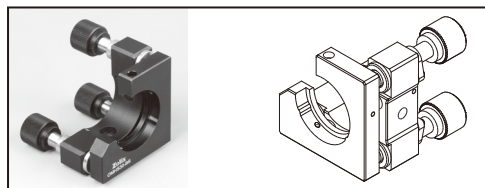
OMHS38.1/50-S



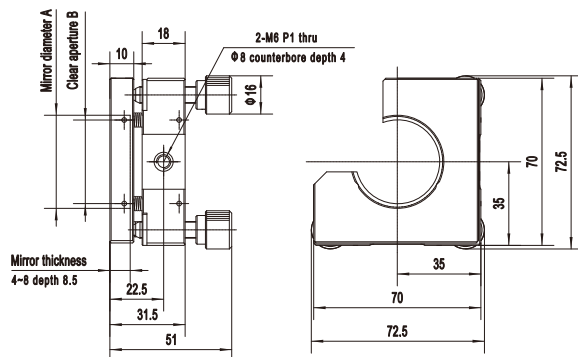
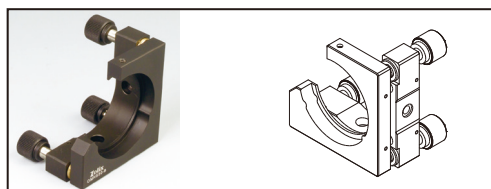
OMHS12.7/20/25/30-B



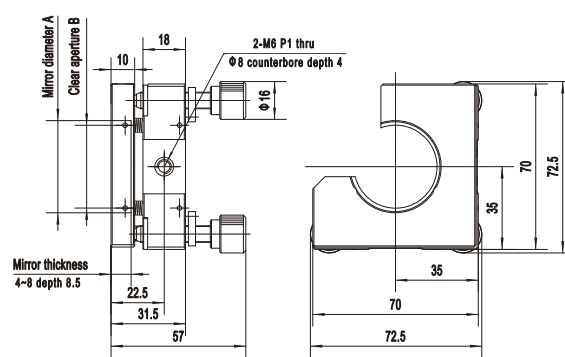
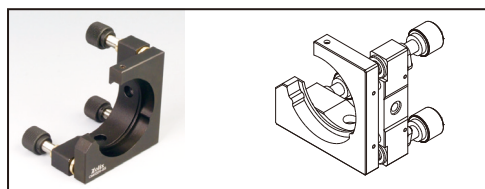
OMHS12.7/20/25/30-BS



OMHS38.1/50-B



OMHS38.1/50-BS



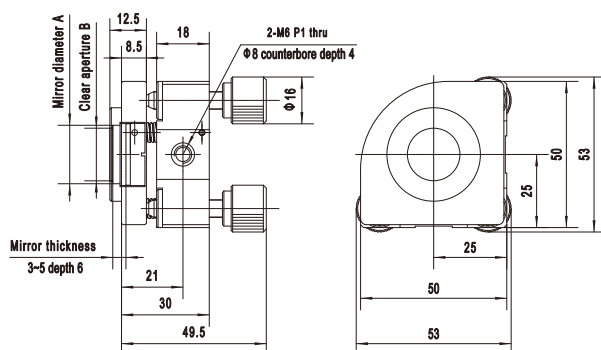
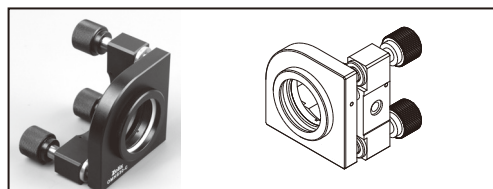
Selection table:

Model	OMHS12.7-C(S)	OMHS20-C(S)	OMHS25-C(S)	OMHS25.4-C(S)	OMHS30-C(S)	OMHS38.1-C(S)	OMHS50-C(S)	OMHS50.8-C(S)
Optic Size A(mm)	Ø12.7	Ø20	Ø25	Ø25.4	Ø30	Ø38.1	Ø50	Ø50.8
Optic Edge Thickness(mm)	3~5					4~8		
Angular Range(°)	±3							
Travel Range(Z axis)(mm)	MAX6							
Clear Aperture B(mm)	Ø11	Ø18	Ø23	Ø23	Ø28	Ø35	Ø47	Ø47
Optical Axis Height(mm)	25	25	25	25	27.5	35	35	35
Resolution: angular adjustment per revolution(°)	≈0.39	≈0.39	≈0.39	≈0.39	≈0.39	≈0.25	≈0.25	≈0.25
Main Body Material and Surface Treatment	Black anodized aluminium alloy							
Thickness of The Fixed Plate(mm)	18							
Number of Pulling Spring	2					4		
Mounting Hole	M6, Ø8 counter bore							
Net Weight(g)	157 (168)	152 (164)	146 (158)	145 (156)	132 (144)	234 (245)	205 (216)	202 (213)

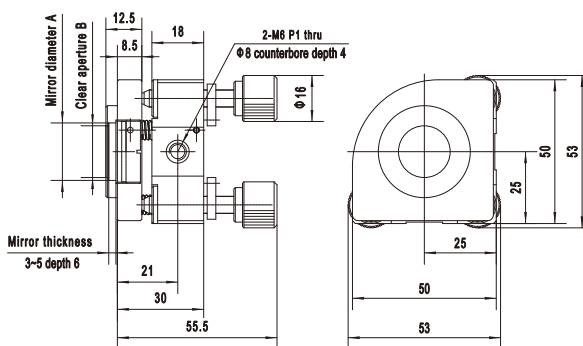
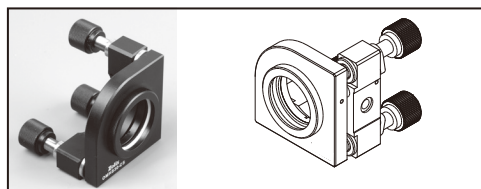
Note: -S is a locking type

Dimensions:

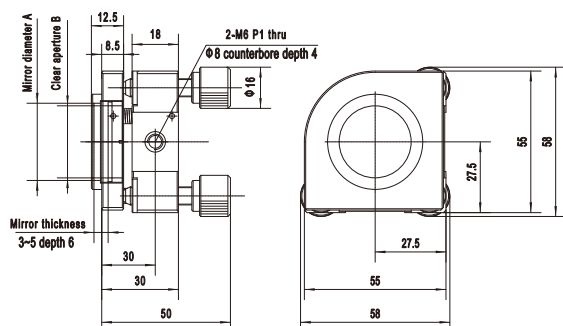
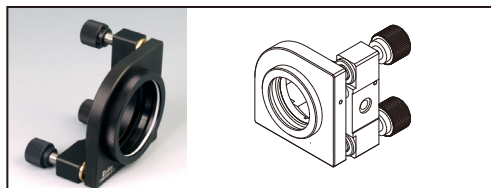
OMHS12.7/20/25/25.4-C



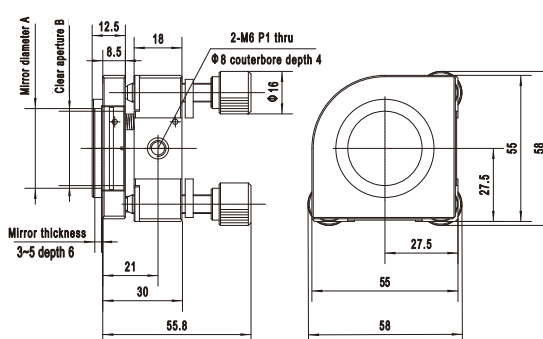
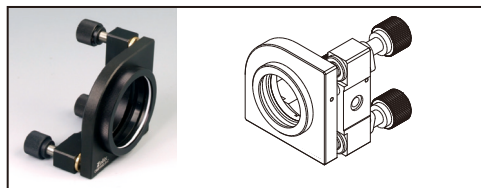
OMHS12.7/20/25.4-CS



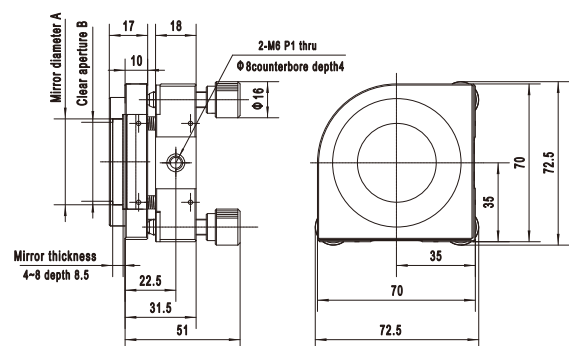
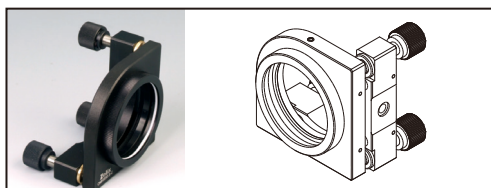
OMHS30-C



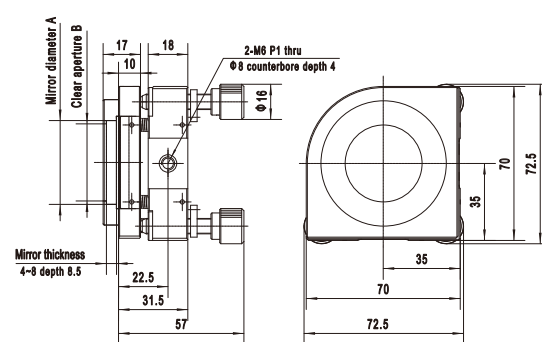
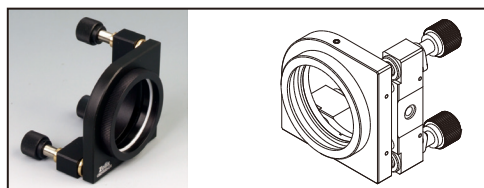
OMHS30-CS



OMHS38.1/50/50.8-C



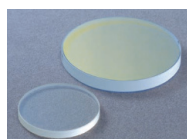
OMHS38.1/50/50.8-CS



Related Products:



Mirrors with coating

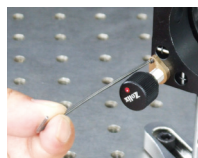


Beamsplitter



Connecting Accessories

sample:



locking mechanics



using with post and post holders

Using the OMHS make the lens array frame

