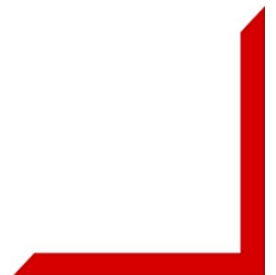










# Product Presentation OptoMechanics

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# Mirror Mounts





Catalog Code	Part Number / Product Name	Products image	Compatible Optics Diameter • Thickness, Material etc.
<b>4001</b>  <b>Best Choice!</b>	<b>MHG-NL</b> NOMI LOCK™ Model Kinematic Mirror Holder		φ12.7 - 101.6mm Compatible Optics Thickness : 3 ~ 15mm Aluminum, Black Anodized (Brass, Super Black Chrome only for MHG-MP12.7-NL)  NOMI LOCK™ is a registered trademark of SIGMAKOKI CO.,LTD. (Trademark : 5313722)
<b>Features</b>			
*MHG-NL is a kinematic mirror holder with the rotation torque of the adjustment screws variable lock function. *The displacement before alignment and after alignment is minimized.			








Catalog Code	Part Number / Product Name	Products image	Feature	Compatible Optics Diameter • Thickness
<b>4111</b>	<b>MHGT</b> Kinematic Mirror Mount		*Value Price *Slim body *Three point fixation at the side of the mirror	φ12.7 - 50.8mm Optics Thickness : 3 - 9mm  Aluminum, Black Anodized
<b>4102</b>	<b>MHI</b> Kinematic Center Mirror Mount		*Regardless of the thickness of the mirror, the reflecting plane will not be offset from the axis of the rod. *MHI can also be used as a beam splitter holder	φ12.7 - 30mm Optics Thickness : 2 - 10mm  Aluminum, Black Anodized (Brass, Super Black Chrome only for MHI-12.7)
<b>4006</b>	<b>FMB</b> Optical Path Flip Mounts		*Repeatability: 25μrad *FMB allows the mirror holder to remove from or insert into an optical paths	Aluminum, Black Anodized
<b>4009</b>	<b>MMHN</b> Small Kinematic Mirror Holders		*Small Kinematic Mirror Holders *Mirror should be bonded	< □25mm < φ12.7 - 30mm  Aluminum, Black Anodized

Catalog Code	Part Number / Product Name	Products image	Feature	Compatible Optics Diameter*Thickness
4503	<b>LMHB</b> Topmike Vertical Control Mirror Holders		<ul style="list-style-type: none"> <li>*Top adjustment of these mirror mounts allow for devices to be placed in close proximity with each other.</li> <li>*The mount can be mounted so that the micrometers are facing upwards or horizontally with the correct baseplate.</li> </ul>	φ25.4 - 60mm Optics Thickness: 3 - 17mm  Aluminum, Black Anodized
4012	<b>BSHL-2/TF</b> Vertical Control Gimbal Beamsplitter Holders		<ul style="list-style-type: none"> <li>*Gimbal structure</li> <li>*Adjustable from the top</li> <li>*Compact size and close positioning available.</li> <li>*Two types (with knobs and without knobs)</li> </ul>	φ12.7 - 50.8mm Optics Thickness: 1 - 8mm  Aluminum, Black Anodized
4010	<b>MHAN-S/DM</b> <b>MHA-S</b> Kinematic Center Mirror Mount		<ul style="list-style-type: none"> <li>*Gimbal structure</li> <li>*Reflecting direction adjustable without changing the reflection point.</li> <li>*Two types (S: Screw type, DM: Differential screw type)</li> </ul>	φ20 - 150mm Optics Thickness: 2 - 20mm  Aluminum, Black Anodized
4507	<b>MHD/MHD-P</b> Larger Precision Gimbal Mirror Holder		<ul style="list-style-type: none"> <li>*Large-diameter: φ100mm to φ300mm</li> <li>*Gimbal structure</li> </ul>	φ100 - 300mm Optics Thickness: 5 - 54mm  Aluminum, Black matte (main unit) Black Anodized (Holder)
4145	<b>MHL</b> High Rigidity Mirror Holders		<ul style="list-style-type: none"> <li>*High rigidity kinematic mirror holder connecting the movable frame with main parts by thin plate.</li> <li>*Movable frame is directly fixed by strong locking mechanism.</li> </ul>	φ25 - 50.8mm Optics Thickness: 3 - 16mm  Aluminum, Black Anodized

# Lens Holders

Catalog Code	Part Number / Product Name	Products image	Compatible Optics Diameter·Thickness, Material etc.
<b>4015</b>  <b>Best Choice!</b>	<b>LHF-S</b> Fixed Lens Holders (Metric / Inch dual use)		φ10 - 60mm Optics Thickness: 2 - 22mm Clear Aperture: φ7 - 56mm  Aluminum, Black Anodized
		<b>Features</b>	




Catalog Code	Part Number / Product Name	Products image	Feature	Compatible Optics Diameter·Thickness etc.
<b>4148</b>	<b>LHG</b> Fixed Lens Holders (for thin lens)		*Lightweight and compact fixed lens mount *Value Price *Metal retaining ring *For Plano-convex single lens *Retaining ring included but No post included	φ12.7 - 50.8mm Optics Thickness: 2 - 9mm Clear Aperture: φ11.5 - 47mm Aluminum, Black Anodized
<b>4516</b>	<b>LHF</b> Fixed Lens Holders (Standard)		*Applicable for a single lens to an achromatic lens	φ10 - 150mm Optics Thickness: 3 - 23mm Clear Aperture: φ7 - 142mm Aluminum, Black Anodized
<b>4101</b>	<b>TLH</b> Mini Lens Holders		*Ultra thin holder	φ5 - 30mm Optics Thickness: 1 - 4mm Clear Aperture: φ3 - 27mm Aluminum, Black Anodized
<b>4512</b>	<b>LHCM</b> Two Axis Lens Holders		*Compact centering adjustment mechanism *Low optical axis	φ10~50.8mm Optics Thickness: 1 - 14mm Clear Aperture: φ7 - 46mm Aluminum, Black Anodized

Catalog Code	Part Number / Product Name	Products image	Feature	Compatible Optics Diameter·Thickness etc.
<b>4016</b>	<b>ALHN-3RO/ ALHN-5RO</b> Three-axis/Five-axis Lens Holders (Post type)		<ul style="list-style-type: none"> <li>*Movable lens holder</li> <li>*For centering and focus adjustment</li> <li>*Plate types are also available</li> </ul> 	φ25 - 50.8mm Optics Thickness: 0 - 28mm  Aluminum, Black Anodized
<b>4020</b>	<b>LHA</b> V-Groove Lens Holders		<ul style="list-style-type: none"> <li>*The clamp and v-groove secure the lenses.</li> <li>*For various size of circular lens can be fixed</li> </ul>	φ5 - 150mm Optics Thickness: 1 - 7mm  Aluminum, Black Anodized
<b>4019</b>	<b>SLH</b> Caliper Variable Lens Holders		<ul style="list-style-type: none"> <li>*For various size of circular lens can be fixed</li> <li>*Fixed with three jaws</li> </ul>	φ5 - 110mm Optics Thickness: 1 - 9mm  Aluminum, Black Anodized
<b>4022</b>	<b>CHA</b> Adjustable Cylindrical Lens Holders		<ul style="list-style-type: none"> <li>*Sliding clump</li> <li>*Mounts for rectangular optics (Cylindrical Lenses).</li> </ul>	Max. 30x130mm Optics Thickness: Max. 9.5mm  Aluminum, Black Anodized
<b>4023</b>	<b>LHF-UDL/ LHF-M</b> Fixed Multi-element Lens Holders		<ul style="list-style-type: none"> <li>*Fixed holders</li> <li>*Used to mount multi-element focusing lenses in optical experiments.</li> </ul>	Aluminum, Black Anodized
<b>4024</b>	<b>LHO</b> Objective Lens Holders		<ul style="list-style-type: none"> <li>*Fixed holders</li> <li>*Used to objective lenses in optical experiments.</li> </ul>	Aluminum, Black Anodized

# Prism Holders

Catalog Code	Part Number / Product Name	Products image	Feature	Compatible Optics Diameter*Thickness etc.
4025	KKD/PLH Prism Holders		<ul style="list-style-type: none"> <li>*Designed to hold cubed optics or right angle prisms.</li> <li>*The KKD series has tip, tilt and yaw rotation for fine adjustment of reflected beams.</li> </ul>	<ul style="list-style-type: none"> <li>- □32mm</li> <li>Aluminum, Black Anodized</li> </ul>
4103	PAD Compact Prism Mount		<ul style="list-style-type: none"> <li>*Value Price</li> <li>*Designed to hold cubed optics</li> <li>*Large clear aperture available for every four faces</li> </ul>	<ul style="list-style-type: none"> <li>□10 - 25.4mm</li> <li>Aluminum, Black Anodized</li> </ul>




# Polarizer Holders

Catalog Code	Part Number / Product Name	Products image	Feature	Compatible Optics Diameter*Thickness etc.
4027	MPHN Polarizer Holders (Thin Type)		<ul style="list-style-type: none"> <li>*Value Price</li> <li>*Small and slim</li> <li>*Low optical axis</li> </ul>	<ul style="list-style-type: none"> <li>φ10 - 30mm</li> <li>Optics Thickness: 2 - 8.5mm</li> <li>Clear Aperture: φ7 - 27mm</li> <li>Aluminum, Black Anodized</li> </ul>
4027	PH-ARS/ SPH Polarizer Holders		<ul style="list-style-type: none"> <li>*Variable scale plate</li> <li>*SPH: Precision position alignment with micrometer</li> </ul>	<ul style="list-style-type: none"> <li>φ20 - 100mm</li> <li>Optics Thickness: 2 - 10mm</li> <li>Clear Aperture: φ17 - 95mm</li> <li>Aluminum, Black Anodized</li> </ul>
4028	GTPC-PH/ GTPC-SPH Polarizing Prism Holders		<ul style="list-style-type: none"> <li>*Holder for polarization prism</li> <li>*360 degree rotation around optical axis</li> <li>*can select adapter</li> </ul>	<ul style="list-style-type: none"> <li>φ15 - 38mm</li> <li>Optics Thickness: 15 - 48.9mm</li> <li>Aluminum, Black Anodized</li> </ul>

# Laser Mounts

Catalog Code	Part Number / Product Name	Products image	Feature	Compatible Optics Diameter * Thickness etc.
4029	<b>LAH</b> Cylindrical Laser Mounts (Three-point support)		*Holder for He-Ne laser *Three point supporting mechanism, tilt angle of the laser adjustable	φ18 - 54mm Length: 140 - 240mm  Aluminum, Black Anodized


# Beam Shaping Diffusers Holders

Catalog Code	Part Number / Product Name	Products image	Feature	Size * Material etc.
4147	<b>KLH-BE</b> Holders for Laser Beam Expanders		*Four axis adjustable mount for Laser Beam Expanders BE and LBED and LBE.	Aluminum, Black Anodized
4036	<b>SFB</b> Spatial Filter Holders		*Eliminate distorted laser wavefront or noise to emit clear spherical waves for beams *Objective lens (OBL-*) attached	Aluminum, Black Anodized
4037	<b>PA/FSL</b> Precision Pinhole/Air Slits		*A precision etching process creates holes with high circularity and slits with high parallelism *PA-HEL: for high power laser (YAG laser or CO2 laser) *FSL: Slit type	PA/ Nickel PA-HEL/ Copper, Gold coat (both faces) FSL/ Nickel Frame Material: Aluminum, Black Anodized
4039	<b>IH</b> Iris Diaphragm Holders		*Changing the aperture size *Continuously variable with lever	Aperture Diameter: φ0.7 - 50mm  Aluminum, Black Anodized
4041	<b>PSL/SLX</b> Adjustable Slits		*PSL-0: intended for ultraviolet, visible and infrared radiation *Two blade synchronized opening and closing while center position held *SLX-1: Tantalum blade (X-ray blocked) Left & right, upper & lower blades open & close independently	PSL-0: Aluminum / Brass Black Anodized / Chrome Plated SLX-1: Aluminum, White Anodized

# Filter Holders






Catalog Code	Part Number / Product Name	Products image	Feature	Compatible Optics Diameter·Thickness etc
4042	NDWH Filter Wheels		<ul style="list-style-type: none"> <li>*Rotary filter mount</li> <li>*Maximum numbers of mount, 6 and 12</li> </ul>	φ15mm, φ25.4mm Compatible Optics Max. Thickness: 3mm  Aluminum, Black Anodized
4043	FHS/FH Filter Holders		<ul style="list-style-type: none"> <li>*Easy desorption</li> <li>*both circular and rectangular filter applicable (FH-10 is only for circular)</li> <li>*FH-25/50 can be customized to increase the qty of filter</li> </ul>	φ10 - 52mm, 20x20, 25x25, 50x50mm Compatible Optics Max Thickness: - 5mm  Aluminum, Black Anodized

# Shutter

Catalog Code	Part Number / Product Name	Products image	Feature	Material etc.
4045	SSH Automatic Shutters		<ul style="list-style-type: none"> <li>*High output type available</li> <li>*Remote operation with PC via dedicated controller</li> <li>*Setting opening time arbitrarily</li> </ul>	Aluminum, Black Anodized
4110	SHPS High Power Laser Shutter Unit		<ul style="list-style-type: none"> <li>*High output type available</li> <li>*Typical application is as external shutters used in experiments where stable laser oscillation is required</li> </ul>	Wavelength Range: 266nm, 355nm, 532nm, 1064nm Clear Aperture: φ8mm  Aluminum, Black Anodized
4120	SSH-CRA 1 axis / 4 axis Shutter Controller		<ul style="list-style-type: none"> <li>*SSH-C4B : Simultaneous opening / closing control of 4 shutters*SSH-C** : Controllable Number of Units: 1 unit</li> <li>*Switching time can be set in units of 0.1 second</li> <li>*Shutter opening and closing with panel operation button</li> </ul>	
4105	SSH-C 2 axis Shutter Controller		<ul style="list-style-type: none"> <li>*2-axis control SSH dedicated controller</li> <li>*Simultaneously control two different type shutters</li> </ul>	




# Fiber Holders

Catalog Code	Part Number / Product Name	Products image	Feature	Material etc.
<b>4523</b>	<b>MFH</b> Mini-Fiber Optics Holders		*Various clad/jacket applicable, magnetic force held with resin holding part	Jacket Diameter: $\phi$ 150 - 900 $\mu$ m Clad Diameter: $\phi$ 60 - 250 $\mu$ m  Aluminum, Black Anodized
<b>4520</b>	<b>OFH/OFH-DM</b> Fiber Optics Holders		*Fix/adjust ferruled fiber *Cross tilt adjustment	Centering Adjustment Range: $\pm$ 1.25mm Focus Adjustment Range: $\pm$ 1.25mm Centering Adjustment Resolution: 0.5mm Aluminum, Black Anodized
<b>4521</b>	<b>FOP/ FOP-DM</b> FC Type Fiber Optics Holders		*Cross holder for fiber with FC connector *FOP for simple adjustment *Fine adjustment with coarse/fine screw for FOP-DM	Centering Adjustment Range: $\pm$ 1mm  Aluminum, Black Anodized
<b>4522</b>	<b>FOP-SMA/ FOP-DM-SMA</b> SMA Type Fiber Optics Holders		*Two-axis pinhole style holders for optical fibers with SMA connector. *FOP: Simple adjustment FOP-DM: Fine adjustment with coarse/fine screw	Centering Adjustment Range: $\pm$ 1mm  Aluminum, Black Anodized
<b>4526</b>	<b>FOPT</b> Adjustable Fiber Collimator		*Convert divergent light from fiber to collimated beam *Using objective lens for microscope (OBL-10)	Compatible Connector: FC, SMA  Aluminum, Black Anodized

## Others

Catalog Code	Part Number / Product Name	Products image	Feature	Compatible Optics Diameter • Thickness etc.
4047	<b>KMH</b> Square Optics Holders		*Holders for square plates such as flare plates (BBP), test targets and square filters.	10x10 - 180x180mm Compatible Optics Thickness: 1 - 17mm  Aluminum, Black Anodized
4048	<b>BBP</b> Light Shade Plate		*Double sided scale (BBP-2505B), magnetic stand attached with fixing base	Aluminum, Black Anodized  White Anodized (BBP-200)
4050	<b>BD</b> Beam Dumps		*Scattering and absorbing the laser light *BD-40 : small beam diameter ( $\phi$ 5mm or less) BD-80 : large diameter beams ( $\phi$ 30mm or less)	Aluminum, Black Anodized

## Vacuum Holder

Catalog Code	Part Number / Product Name	Products image	Feature	Compatible Optics Diameter • Thickness etc.
4150	<b>VMHG</b> Vacuum Mirror Holder		*Mirror holder for vacuum made of SUS316 *BARRIERTA SUPER IS/V is used as grease and no adhesive is used *With screw holes for degassing	$\phi$ 12.7 - 50.8mm Compatible Optics Thickness: 3 - 10mm Designated tool required (VNS-12) SUS316L Finish: None Grease: BARRIERTA SUPER IS/V
4151	<b>VLHG</b> Vacuum Lens Holder		*Lens holder for vacuum made of SUS316 *BARRIERTA SUPER IS/V is used as grease and no adhesive is used *With screw holes for degassing	$\phi$ 12.7 - 50.8mm Compatible Optics Thickness: 2 - 9mm  SUS316L Finish: None Grease: BARRIERTA SUPER IS/V
4152	<b>VIH</b> Vacuum Iris Diaphragm Holder		*No grease or adhesive used *With screw holes for degassing	Aperture Diameter: $\phi$ 0.9 - 36mm  Stainless steel Finish: None