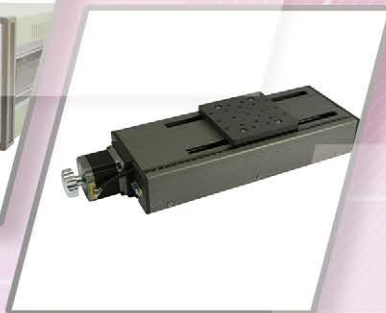


A

OptoMechanics



OptoMechanics

• Breadboards

Solid Aluminum Breadboard	3
Honeycomb Optical Breadboard.....	4
Vertical Bracket	5

• Optical Tables

Table System	9
Customized Workstations	14

• Optical Rails

Miniature Series	17
Rail / Carrier	19

• Bases / Clamps

Post Adaptor	25
Base Clamps / Slide Bases.....	27

• Posts / Holders

Holding Fork / Pedestal	33
Miniature Series.....	39
12.7mm/12mm Posts / Holders	42
Isolated Series	46

• Optical Mounts

Mirrors Mounts	50
Prism Mounts	78
Polarizer Mounts	82
Lens Holders	90
Adaptors	92
Extension Tube	96
Thread Adaptor	98
Filter Holders	109
Cylindrical Mounts	125
Beam Dump	134

• Tilt Platforms

Single Axis Tilt Platforms	135
Double Axis Tilt Platforms	139
Multi Axis Tilt Platforms	142

• Manual Stages

Linear Translation Stage.....	144
Dovetail Linear Stage.....	180
Large Platform Stage.....	184
Rotation Stage	188
Jack	198

• Goniometers 203

• Multi-Axis Stages 208

• Angle Brackets / Adaptor Platforms..... 221

• Fiber Alignment Stages..... 225

• Beam Steering 227

• Large Stand Rods / Clamps / Platforms.... 231

• Spatial Filters 237

• Magnetic Bases 240

• Screws..... 242

• Actuators 258

• Motorized Series

Rotation Mount.....	263
Iris Diaphragm	265
Compact Controller / Switchbox.....	266
Filter Wheel.....	270
Goniometers	271
Linear Translation Stage	272
Rotation Stage	279
Driver / Controller	282
Piezo Linear Stage	285



Solid Aluminum Optical Breadboard

Breadboards

Optical Tables

Optical Rails

Bases / Clamps

Posts / Holders

Optical Mounts

Tilt Platforms



BR0306-1M

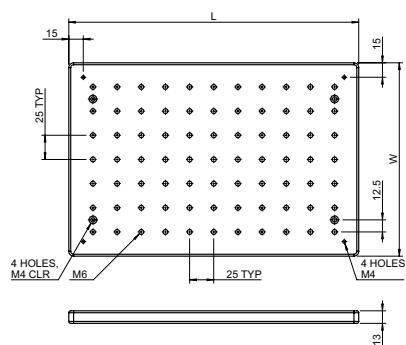


BR0606-1M

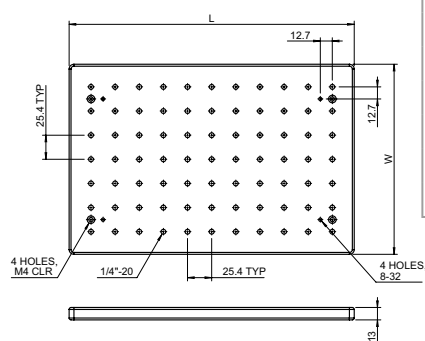


**BR Series+BLH-1(M)
Demo**

BR-SM



BR-S



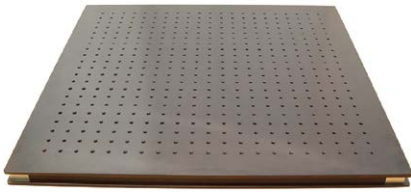
- * These solid aluminum, nonmagnetic baseplate form a high flatness breadboard by precision machined that provides a convenient and cost-effective platform for assembling small optical configuration, prototype set up, measurement system installation.
- * Flatness $\pm 0.15\text{mm}$ over 0.3m^2 .
- * Black anodized finish reduces unwanted reflections.
- * M6 (1/4-20) through-tapped mounting holes on 25mm (1") centers, allowing components to be mounted on both sides at once.
- * Four M4 (8-32) counterbored holes and threaded holes separately located at corners for mounting pedestal or posts to increase height and more flexible applications.
- * Breadboard thickness: 13mm.
- * Large range of sizes available from stock.
- * Customized dimension upon request.

Ordering Information

	Model	WxLxT(mm)	W(kgs)
Metric (mm)	BR20125-1M	200 x 125 x 13	0.84
	BR0202-1M	200 x 200 x 13	1.32
	BR0225-1M	200 x 250 x 13	1.70
	BR0203-1M	200 x 300 x 13	2.02
	BR0204-1M	200 x 400 x 13	2.64
	BR0206-1M	200 x 600 x 13	4.04
	BR2503-1M	250 x 300 x 13	2.56
	BR0303-1M	300 x 300 x 13	3.04
	BR0304-1M	300 x 400 x 13	4.08
	BR0345-1M	300 x 450 x 13	4.57
	BR0306-1M	300 x 600 x 13	6.09
	BR0309-1M	300 x 900 x 13	9.13
	BR0312-1M	300 x 1200 x 13	12.18
	BR0404-1M	400 x 400 x 13	5.42
	BR4545-1M	450 x 450 x 13	6.85
	BR4506-1M	450 x 600 x 13	9.18
	BR4575-1M	450 x 750 x 13	11.49
	BR4509-1M	450 x 900 x 13	13.79
	BR0506-1M	500 x 600 x 13	10.30
	BR0508-1M	500 x 800 x 13	13.69
English (inch)	BR0515-1M	500 x 1500 x 13	25.65
	BR0606-1M	600 x 600 x 13	12.18
	BR0609-1M	600 x 900 x 13	18.27
	BR0612-1M	600 x 1200 x 13	24.36
	BR0615-1M	600 x 1500 x 13	24.83
	BR7575-1M	750 x 750 x 13	19.14
	BR7512-1M	750 x 1200 x 13	30.63
	BR0909-1M	900 x 900 x 13	27.40
	BR0912-1M	900 x 1200 x 13	36.53
	BR1212-1M	1200 x 1200 x 13	48.72

	Model	WxLxT(mm)	W(kgs)
English (inch)	BR20125-1	200 x 125 x 13	0.84
	BR0202-1	200 x 200 x 13	1.32
	BR0225-1	200 x 250 x 13	1.70
	BR0203-1	200 x 300 x 13	2.02
	BR0204-1	200 x 400 x 13	2.64
	BR0206-1	200 x 600 x 13	4.04
	BR2503-1	250 x 300 x 13	2.56
	BR0303-1	300 x 300 x 13	3.04
	BR0304-1	300 x 400 x 13	4.08
	BR0345-1	300 x 450 x 13	4.57
	BR0306-1	300 x 600 x 13	6.09
	BR0309-1	300 x 900 x 13	9.13
	BR0312-1	300 x 1200 x 13	12.18
	BR0404-1	400 x 400 x 13	5.42
	BR4545-1	450 x 450 x 13	6.85
	BR4506-1	450 x 600 x 13	9.18
	BR4575-1	450 x 750 x 13	11.49
	BR4509-1	450 x 900 x 13	13.79
	BR0506-1	500 x 600 x 13	10.30
	BR0508-1	500 x 800 x 13	13.69
Metric (mm)	BR0515-1	500 x 1500 x 13	25.65
	BR0606-1	600 x 600 x 13	12.18
	BR0609-1	600 x 900 x 13	18.27
	BR0612-1	600 x 1200 x 13	24.36
	BR0615-1	600 x 1500 x 13	24.83
	BR7575-1	750 x 750 x 13	19.14
	BR7512-1	750 x 1200 x 13	30.63
	BR0909-1	900 x 900 x 13	27.40
	BR0912-1	900 x 1200 x 13	36.53
	BR1212-1	1200 x 1200 x 13	48.72

Light Weight Aluminum Honeycomb Breadboard



LBR-Series

- * All-Aluminum material construction no matter inside or outside configuration.
- * Black anodizing finish surface reduces reflectivity and backscatter.
- * M6 (1/4-20) tapped mounting holes on 25mm (1") centers for mounting purpose.
- * Flatness < $\pm 0.15\text{mm}$ over 0.3m^2 .
- * Two standard thickness 25mm or 50mm are available.
- * Aluminum plate top skin 6 mm thick
- * Aluminum plate bottom skin 3 mm thick
- * Higher rigidity than 13mm thick solid aluminum breadboard.
- * Large range of sizes for selection.
- * Light weight and easy carry.
- * Used for applications demanding a totally nonmagnetic structure.
- * Customized dimension upon request.

Ordering info. :

Model No : LBR - - -

(Width)

030 = 300mm
045 = 450mm
060 = 600mm
090 = 900mm
100 = 1000mm
120 = 1200mm

(Length)

030 = 300mm
045 = 450mm
060 = 600mm
090 = 900mm
100 = 1000mm
120 = 1200mm
150 = 1500mm

(Thickness)

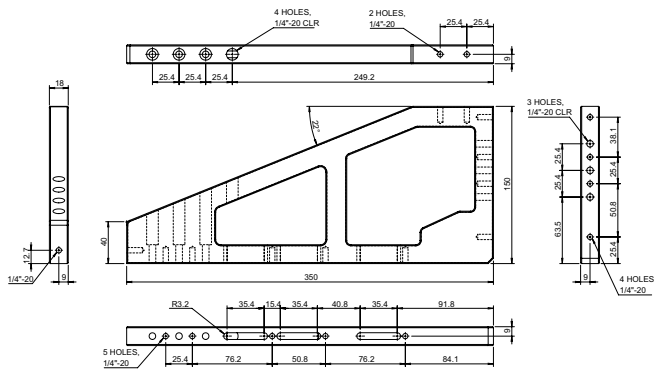
025 = 25mm
050 = 50mm

(Screw Holes)

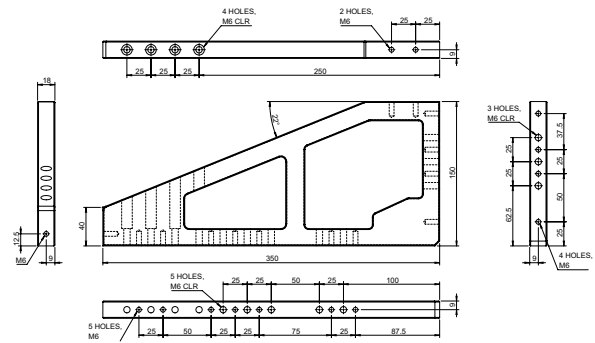
E = 1/4-20 per 1" Ctrs
M = M6 per 25mm Ctrs



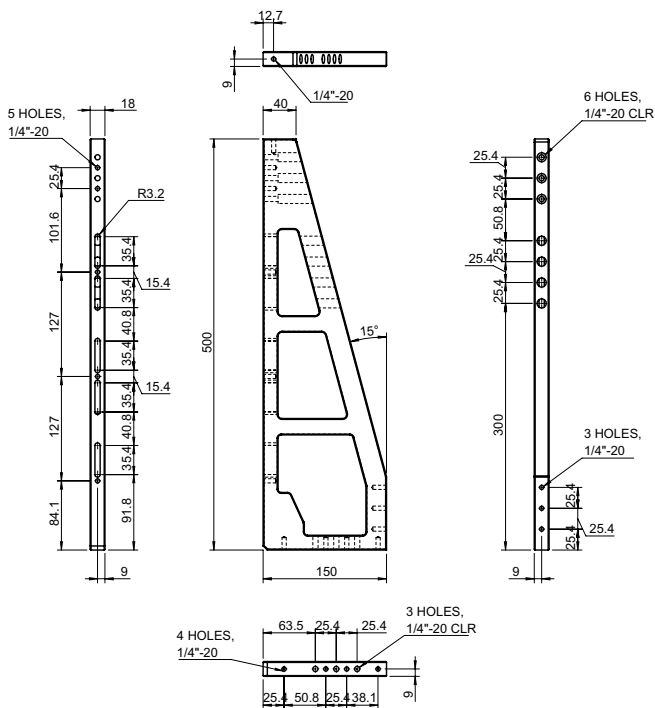
TEL : 886-3-462-6569



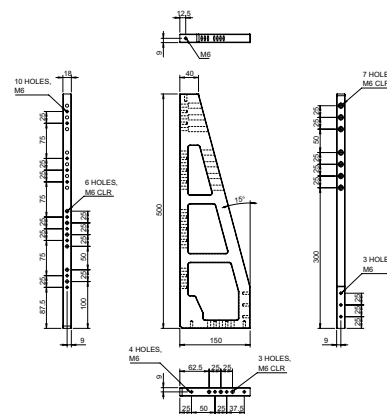
VBT-1535



VBT-1535M



VBT-1550



VBT-1550M

Breadboard Lifting Handles



BLH-1(M)

- * Easily lift breadboards out of laboratory and classroom.
- * A pair of handles safety carry breadboard up to 160 kgs (352 lbs) when properly installed.
- * Each handle has two counterbored mounting slots that is suitable for both imperial and metric tapped work surfaces.
- * Standard 4 socket head cap screws length 25mm, M6 or 1/4-20 and washer included.
- * Set of two pieces.

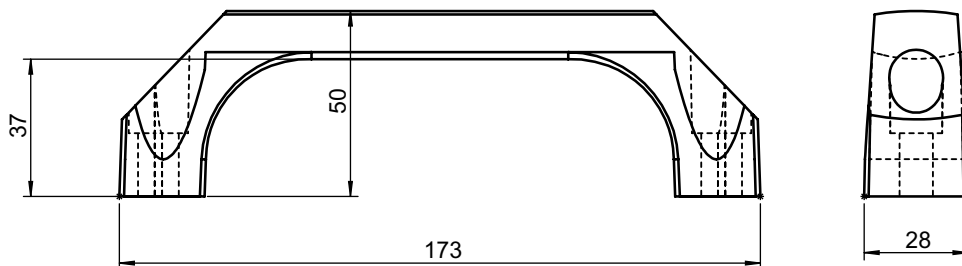
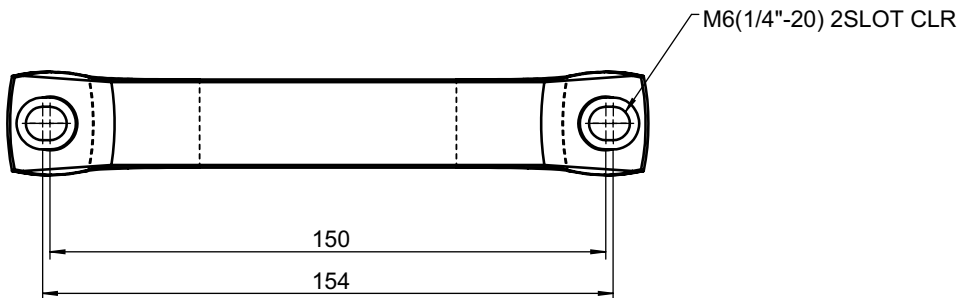
Model	W(kgs)
BLH-1(M)	0.17



BR Series+BLH-1(M)



HBR Series+BLH-1(M)



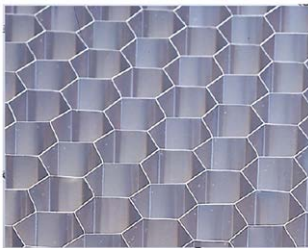
Laboratory Stainless Honeycomb Breadboard



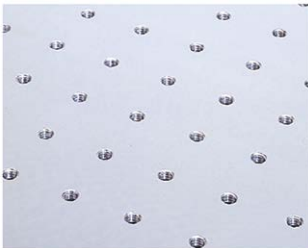
Honeycomb Breadboard



Optical Table- 20cm



Honeycomb



M6 Mounting Holes on 25mm Centers

Feature

- * Aluminum alloy precision formed honeycomb core.
- * Fast installation.
- * Machined Mat Finish on top surface.
- * All stainless steel side panels.
- * Steel-to-steel bonding throughout increase thermal stability.
- * 10,000 class cleanroom compatible.
- * One year warranty.
- * Different dimension and thickness combination are selectable.
- * Customized optical tables are available, please contact with our services center email: unicehq@unice.com.tw.

Specification

- * Ferromagnetic stainless steel top skin 3 ~ 5 mm thick.
- * Ferromagnetic stainless steel bottom skin 3 ~ 4 mm thick.
- * Flatness: $\pm 0.1\text{mm}$ per 600 mm x 600 mm.
- * The table top surface has M6(1/4-20) mounting holes on 25mm (1") center.

Ordering info :

Model No : HBR - - -

(Width)

030 = 300mm
040 = 400mm
050 = 500mm
060 = 600mm
090 = 900mm
100 = 1000mm
120 = 1200mm

(Length)

050 = 500mm
060 = 600mm
090 = 900mm
100 = 1000mm
120 = 1200mm
150 = 1500mm
180 = 1800mm
200 = 2000mm
240 = 2400mm

(Thickness)

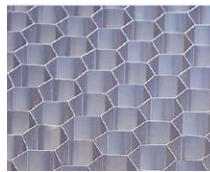
050 = 50mm
100 = 100mm
200 = 200mm
300 = 300mm

(Screw Holes)

E = 1/4-20 per 1" Ctrs
M = M6 per 25mm Ctrs



Rigid Laboratory Optical Table System



Honeycomb



M6 Mounting Holes on
25mm Centers



Optical Breadboard Feature

- * Aluminum alloy precision formed honeycomb core.
- * Fast installation.
- * Machined Mat Finish on top surface.
- * All stainless steel side panels.
- * Steel-to-steel bonding throughout increase thermal stability.
- * Low values of natural frequency (horizontal and vertical).
- * 10,000 class cleanroom compatible.
- * One year warranty.
- * Standard Total Table Height: 800mm (Other height is upon request)
- * Customized optical tables are available, please contact with our services center email: unicehq@unice.com.tw

Table Top Specification

- * Ferromagnetic stainless steel top skin 3 ~ 5 mm thick.
- * Ferromagnetic stainless steel bottom skin 3 ~ 4 mm thick.
- * Flatness: $\pm 0.1\text{mm}$ per 600 mm x 600 mm..
- * The table top surface has M6 (1/4-20) mounting holes on 25mm (1") center.
- * Customized optical tables available up to Max. 1200mm x 3000mm (WxL).

Rigid Frame Supports

- * Supports pad max. load capacity^a: 1000Kgs per 4 isolators (depending on optical table dimension).
- * Support Feet Pad height adjustment range: 50mm.
- * Rigid optical table frame's rubber support pads allows the optical table to be leveled after assembly.
- * Rigid support rubber pad height adjustment range: 50mm.
- * Tie-Bar and Casters are integrated for easy movement.
- * Frame Weight (Set): 80Kgs ~ 100Kgs per 4 supports (depending on optical table dimension).

a: The max. load of the isolators, including the optical table and any equipments, components on the table top.

Ordering Information

Model No : UTSR - - -

(Width)

060 = 600mm
090 = 900mm
100 = 1000mm
120 = 1200mm

(Length)

060 = 600mm
090 = 900mm
100 = 1000mm
120 = 1200mm
150 = 1500mm
180 = 1800mm
200 = 2000mm
240 = 2400mm

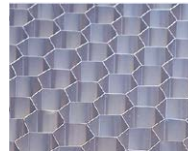
(Thickness)

100 = 100mm
200 = 200mm
300 = 300mm

(Screw Holes)

E = 1/4-20 per 1" Ctrs
M = M6 per 25mm Ctrs

Active Laboratory Optical Table System



Honeycomb



M6 Mounting Holes on
25mm Centers



Optical Breadboard Feature

- * Aluminum alloy precision formed honeycomb core.
- * Fast installation.
- * Machined Mat Finish on top surface.
- * All stainless steel side panels.
- * Steel-to-steel bonding throughout increase thermal stability.
- * Low values of natural frequency (horizontal and vertical).
- * 10,000 class cleanroom compatible.
- * One year warranty.
- * Standard Total Table Height: 800mm (Other height is upon request)
- * Customized optical tables are available, please contact with our services center email: unicehq@unice.com.tw

Table Top Specification

- * Ferromagnetic stainless steel top skin 3~5 mm thick.
- * Ferromagnetic stainless steel bottom skin 3~4 mm thick.
- * Flatness: ± 0.1 mm per 600 mm x 600 mm.
- * The table top surface has M6 (1/4-20) mounting holes on 25mm (1") center.

Active Self-Leveling Isolators

- * Isolator/Support pad max. load capacity^a: from 150Kgs to 500Kgs per 4 isolators (depending on optical table dimension).
- * Maximum Isolator Air Pressure: 5 ~ 6 bar (80 psi).
- * Leveling Feet Pad height adjustment range: 50mm.
- * Three 360° rotatable auto-leveling bar for initially adjustment.
- * Tie-Bar and Casters are integrated for easy movement.
- * Vertical Natural Frequency^b < 2.0 Hz
- * Horizontal Natural Frequency^b < 2.0Hz
- * Frame Weight (Set): from 150Kgs to 200Kgs per 4 isolators (depending on optical table dimension).

a: The max. load of the isolators, including the optical table and any equipments, components on the table top.

b: Data is measured by 900mm x 1500mm x 200mm (WxLxT).

Ordering Information

Model No : UTSA - - -

(Width)

060 = 600mm
090 = 900mm
100 = 1000mm
120 = 1200mm

(Length)

060 = 600mm
090 = 900mm
100 = 1000mm
120 = 1200mm
150 = 1500mm
180 = 1800mm
200 = 2000mm
240 = 2400mm
360 = 3600mm

(Thickness)

100 = 100mm
200 = 200mm
300 = 300mm

(Screw Holes)

E = 1/4-20 per 1" Ctrs
M = M6 per 25mm Ctrs



Optical Table Support Legstands



UITK-1X Series



HBR series



3-4 Air-Compressor



UITK-2X Series

Rigid Frame Supports (UITK-1X Series)

- * Supports pad max. load capacity ^a: 1000Kgs per 4 isolators (depending on optical table dimension).
- * Support Feet Pad height adjustment range: 50mm.
- * Rigid optical table frame's rubber support pads allows the optical table to be leveled after assembly.
- * Rigid support rubber pad height adjustment range: 50mm.
- * Tie-Bar and Casters are integrated for easy movement.
- * Frame Weight (Set): 60Kgs ~ 150Kgs per 4 supports (depending on optical table dimension).

Active Self-Leveling Isolators (UITK-2X Series)

- * Isolator/Support pad max. load capacity ^a: from 150Kgs to 500Kgs per 4 isolators (depending on optical table dimension).
- * Maximum Isolator Air Pressure: 5 ~ 6 bar (80 psi).
- * Leveling Feet Pad height adjustment range: 50mm.
- * Three 360° rotatable auto-leveling bar for initially adjustment.
- * Tie-Bar and Casters are integrated for easy movement.
- * Vertical Natural Frequency ^b < 2.0 Hz
- * Horizontal Natural Frequency ^b < 2.0Hz
- * Frame Weight (Set): from 150Kgs to 200Kgs per 4 isolators (depending on optical table dimension).

^a: The max. load of the isolators, including the optical table and any equipments, components on the table top.

^b: Data is measured by 900mm x 1500mm x 200mm (WxLxT).

Ordering Info :

Model No : UITK- - - -

(Type)

10 = Rigid
12 = Rigid + Brace
13 = Rigid + Brace + Casters
20 = Active
22 = Active + Brace
23 = Active + Brace + Casters

(Width)

060 = 600mm
090 = 900mm
100 = 1000mm
120 = 1200mm

(Length)

090 = 900mm
100 = 1000mm
120 = 1200mm
150 = 1500mm
180 = 1800mm
200 = 2000mm
240 = 2400mm

(Height)

300 = 300mm
400 = 400mm
500 = 500mm
600 = 600mm
700 = 700mm

UITKL-48 Adjustable Optical Table Shelf Frame



UITKL-48

- * For 4' x 8' (1200mm x 2400mm) working station, stable and stand alone design, frame is isolated from optical working station, optical table always stay in vibration free operating.
- * Overall size (mm): 2800(W) x 600(D) x 2300(H)
- * Frame structure: 75mm rectangle steel rod with black powder coating.
- * Shelf size (mm): 2600(W) x 600(D) x 50(H)
- * Shelf height adjustable from 300mm ~ 500mm, easy to fit for large size Instrument.
- * For unlevelled floor each frame height is adjustable: range 20mm
- * Total loading: 200 kgs.
- * ODM size is available, please contact with email: unicehq@unice.com.tw

UITKN-48 3-Layer Optical Table Shelf Frame



UITKN-48

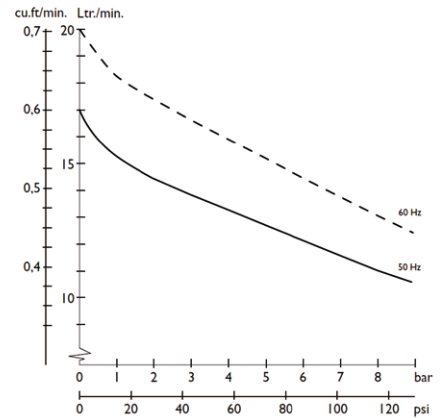
- * For 4' x 8' (1200mm x 2400mm) working station, stable and stand alone design, frame is isolated from optical working station, optical table always stay in vibration free operating.
- * Overall size (mm): 2700(W) x 600(D) x 2300(H)
- * Frame structure: 50mm rectangle steel rod with black powder coating.
- * Shelf size (mm): 2600(W) x 600(D) x 50(H)
- * For unlevelled floor each frame height is adjustable: range 20mm
- * Total loading: 200 kgs.
- * ODM size is available, please contact with email : unicehq@unice.com.tw



UITKN-48 + UTSR-120-240-030M

3-4 Silent Air-Compressor

- * Integral Pressure Regulator and Filter.
- * Pressure indicator from output port.



Specification

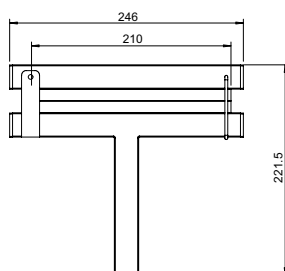
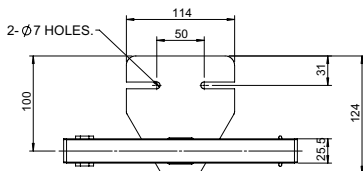
Model	3-4-110	3-4-220
Displacement	20 litres / min	17 litres / min
Max. Pressure	8 bar / 120psi	8 bar / 120psi
Tank Size	4 litres	4 litres
Noise Level	35 dB(A) / 1m	35 dB(A) / 1m
Duty Cycle	50%	50%
Voltage	AC120V / 60Hz	AC230V / 50Hz
Dimensions	382mm x 300mm x 334mm (LxWxH)	382mm x 300mm x 334mm (LxWxH)
Weight	18 kgs	18 kgs

Cable Management Stand



07CMS-1

- * Vibration from power, control cable and cooling system is always troublesome to application conducted on optical table and/or breadboard.
- * Cable management stand secures cabling in a foam grip and can mount to the breadboard or platform to remain deformation-free even after long term use.
- * This stand has mounted slots on both sides that can be easily fixed to optical table or breadboard with English or Metric cap screw.
- * By using two 12mm thick foam pads and a specially clasp to lock both arms gently but firmly together, It provides maximum protection for cables held there between.



Model	W(kgs)
07CMS-1	1.18

Customized Workstation

Unice offer customer a special experience of building up a just fit your application's vibration free workstation in a reasonable expense. Please contact with us to put your budget in the ultima efficiency. unicehq@unice.com.tw



UCTU-060-090-080M

UCTU-Series - Frame Protected Vibration Free Workstation

- * Model No.: UCTU-060-090-080M
- * Feature: With protecting outer frame
- * Table Top: 430 series stainless steel, tapped M6 screw hole per 25mm center
- * Table Top Frame: Steel with powder coating
- * Supports: Square steel with powder coating, Active air
- * Outer Dimension: 60x90x80cm (DxWxH)



UCTR-080-080-080

UCTR-Series - Granite Vibration Free Workstation

- * Model No.: UCTR-080-080-080
- * Feature: Active air supports with granite top,
- * Table Top: Granite, 80x80x6cm (DxWxH)
- * Table Top Frame: Steel with powder coating
- * Supports: Square steel with powder coating
- * Outer Dimension: 80x80x80cm (DxWxH)



UCTX-090-120-080

UCTX-Series - Stainless Steel Vibration Free Workstation

- * Model No.: UCTX-090-120-080
- * Feature: For clean room
- * Table Top: 430 series stainless steel, 90x120x10cm (DxWxH)
- * Supports: Made by cylindrical steel with powder coating, active air
- * Outer Dimension: 90x120x80cm (DxWxH)

Customized Workstation



UCTO-090-180-080M

UCTO-Series - Extra Frame Protected Vibration Free Workstation

- * Model No.: UCTO-060-090-080M
- * Feature: Two platform on left and right side for seating equipment beside the vibration free area.
- * Table Top: Vibration free area 430 series stainless steel, Size 60x60x15cm (DxWxH), tapped M6 screw hole per 25mm center
- * Table Top Frame: Steel with powder coating
- * Supports: Square steel with powder coating, Active air
- * Outer Dimension: 90x180x80cm (DxWxH)



UCTM-060-090-080M

UCTM-Series - ArmRest Vibration Free Workstation

- * Model No.: UCTM-060-090-080M
- * Feature: With ArmRest
- * Table Top: 430 series stainless steel, tapped M6 screw hole per 25mm center
- * Supports: Square steel with powder coating, Active air
- * Outer Dimension: 60x90x80cm (DxWxH)

Customized Workstation



UCTZ-120-120-005

UCTZ-Series - Suspension Vibration Free Workstation

- * Model No.: UCTZ-120-120-005
- * Feature: For tall equipment
- * Table Top: 430 series stainless steel, 120x120x5cm (DxWxH)
- * Supports: Made by square steel with powder coating, active air
- * Outer Dimension: 125x125x70cm (DxWxH)



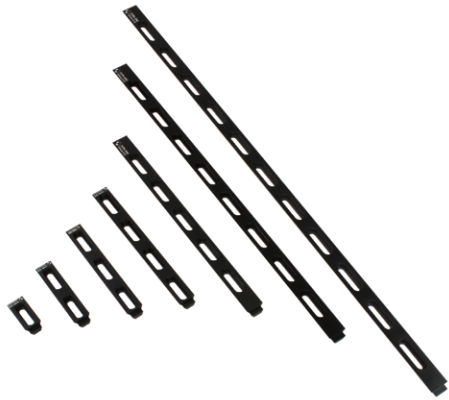
UCDR- Customized Dark Room

UCDR-Series - Customized Dark Room

- * Size, material and inner constructure can be made according to customer's demand.
- * Please contact with UNICE
- Email: unicehq@unice.com.tw



Miniature Optical Rail



51ORL-Series

- * Metric and English both available.
- * Precision machined from a monolithic aluminum alloy, these rails provide an accurate and stable platform for mounting.
- * Easy-to-carry and space-saving.
- * Using dovetail design to the optical rails allows optical carriers to slide, place and removal with ease and steady.
- * Clamping steps design on both ends provide strong interconnection between rails.
- * Can be easily mounted on optical tables, breadboard and other platform.
- * Combination with other optical components for prototype establishment.
- * Unlimited extension length by connecting rails to each other.
- * Available length: 50.8mm (2"), 101.6mm (4"), 152.4mm (6"), 203.2mm (8"), 300mm, 450mm and 600mm.

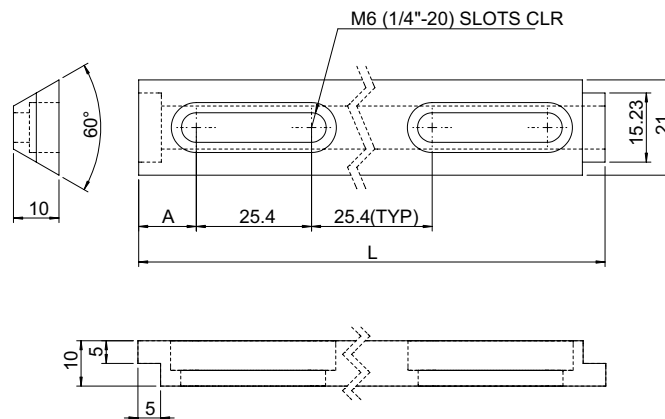


Model	A(mm)	L(mm)	Slot	W(kgs)
51ORL-1(M)	12.7	50.8	1	0.01
51ORL-2(M)	12.7	101.6	2	0.02
51ORL-3(M)	12.7	152.4	3	0.04
51ORL-4(M)	12.7	203.2	4	0.05
51ORL-5(M)	35.7	300	5	0.09
51ORL-6(M)	34.5	450	8	0.12
51ORL-7(M)	33.3	600	11	0.17



**51OCN+51ORL
Demo**

51ORL Series



Miniature Optical Carrier



51OCN-1M



51OCN-2M

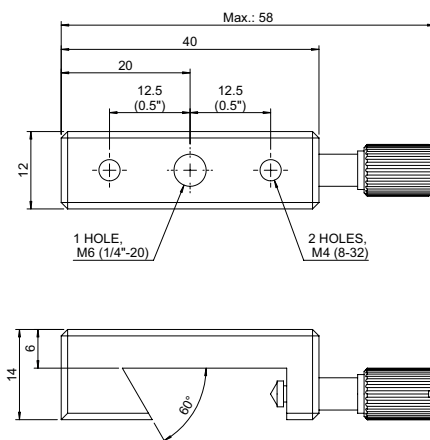


**51OCN+51ORL
Demo**

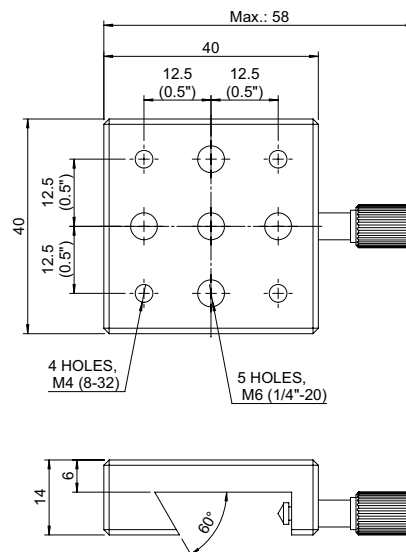
- * Counter dovetail design can closely engaged with optical rail 51ORL series.
- * A side mounted thumbscrew can be used to lock the carrier in position.
- * No inclination and stability ensurement when locked carrier in position.
- * Can be placed on any position of optical rail directly.
- * Rapid reposition can be achieved by freeing the locking mechanism and sliding the carrier along the rail.
- * A lubricant tape is attached inside dovetailed sliding mechanism to ensure smooth sliding motion.
- * M6 (1/4-20) and M4 (8-32) tapped mounting holes.
- * Available widths: 12mm and 40 mm.

	Model	W(kgs)
Metric (mm)	51OCN-1M	0.01
	51OCN-2M	0.04
English (inch)	51OCN-1	0.01
	51OCN-2	0.04

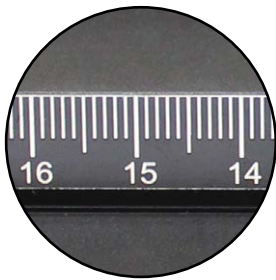
51OCN-1M



51OCN-2M



Dovetail Rail

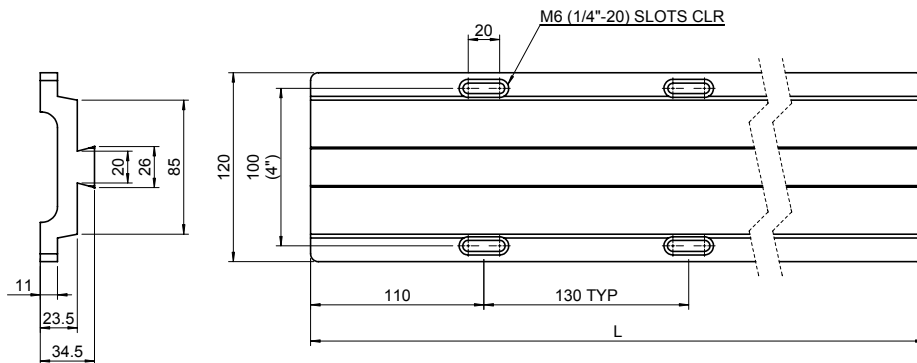


**01OBH Series+01OCR Series
Demo**

- * Precision machined from a monolithic aluminum alloy, these rails provide an accurate and stable platform for mounting.
- * The dovetailed sliding mount allows quick and easy attachment of carriers with verified parallel and flat positioning.
- * Metric scales are scored on both sides to show exact distances between carriers.
- * With the symmetrical design, it is easier to place carriers on the topical rail from neither directions for greater versatility.
- * Engraved scale every 1mm.
- * Straightness is kept within $\pm 0.2\text{mm}$ per meter.
- * Length selections: 250mm, 500mm, 750mm and 1000mm.
- * Aluminum alloy material and black finished.

	Model	L	Slot	W(kgs)
Metric (mm)	01OBH-1M	250	4	1.24
	01OBH-2M	500	6	2.48
	01OBH-3M	750	10	3.72
	01OBH-4M	1000	14	4.87
English (inch)	01OBH-1	9.8	4	1.24
	01OBH-2	19.7	6	2.48
	01OBH-3	29.5	10	3.72
	01OBH-4	39.4	14	4.87

01OBH-Series



Dovetail Carrier



01OCR-1M



01OCR-2M



01OCR-3M

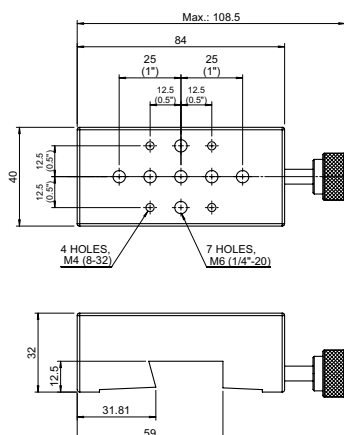


**01OBH Series+01OCR Series
Demo**

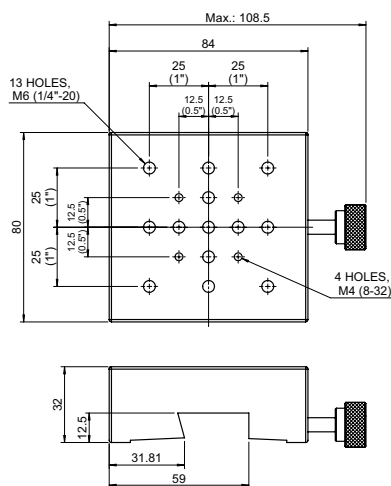
- * An inverse dovetailed design for precise attachment linkage with the optical rail 01OBH series.
- * Flatness is ensured while the thumbscrew is locked.
- * These carriers can be mounted at any location onto the optical rails.
- * Rapid reposition can be achieved by freeing the locking mechanism and sliding the carrier along the rails.
- * Friction-reducing pad on the bottom to increase smoothly motion.
- * Three different models are offered to meet specific requirements.
- * Model 01OCR-3M includes a perpendicular sliding for adjustments of up to 10mm.
- * Several M6 (1/4-20) and M4 (8-32) tapped mounting holes on the top surface.
- * Aluminum alloy material and black finished.
- * Width selections: 40mm, 80mm and 88mm, Specific width upon to be requested.

	Model	W(kgs)
Metric (mm)	01OCR-1M	0.25
	01OCR-2M	0.48
	01OCR-3M	0.53
English (inch)	01OCR-1	0.25
	01OCR-2	0.48
	01OCR-3	0.53

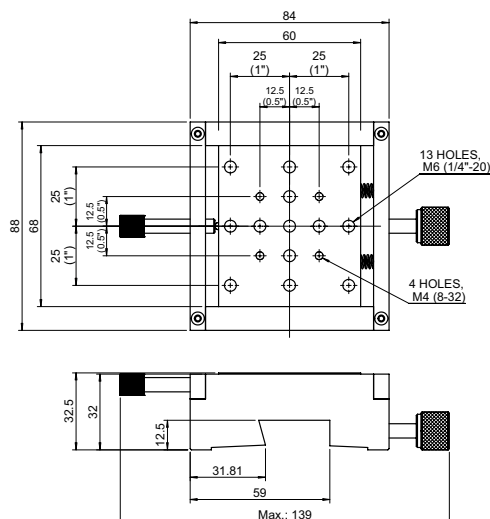
01OCR-1M



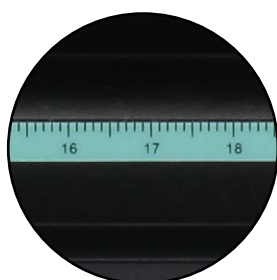
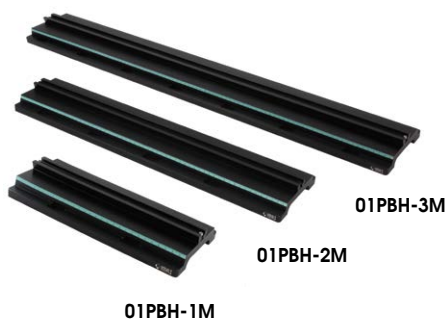
01OCR-2M



01OCR-3M



Dovetail Rail With Rack Gear

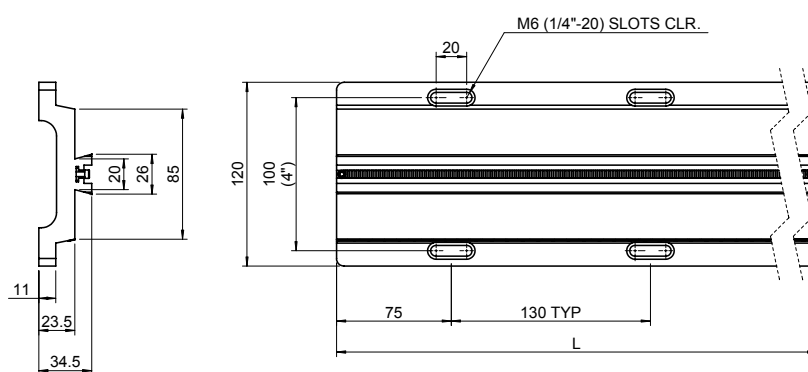


**01PBH Series+01PCR Series
Demo**

- * The long travel Rack & Pinion stages are designed for easy integration of the equipment which needs to be positioned.
- * The various types of tapped holes on the carrier provide various connections to different devices and components.
- * A tiny thumbscrew is attached on the carrier to allow users to lock the position easily.
- * Single-Piece Aluminum Alloy and black finished.
- * Dovetailed construction with Pinion & Track designed together.
- * Turn larger thumbscrew equipped with pinion for positions adjustment.
- * Engraved scale every 1mm.
- * Length selections: 300mm, 600mm and 900mm.
- * Straightness: $\pm 0.2\text{mm}$ per meter

	Model	L	Slot	W(kgs)
Metric (mm)	01PBH-1M	300	4	1.24
	01PBH-2M	600	8	2.80
	01PBH-3M	900	14	4.23
English (inch)	01PBH-1	11.8	4	1.24
	01PBH-2	23.6	8	2.80
	01PBH-3	35.4	14	4.23

01PBH-Series



Dovetail Rail with Pinion

Breadboards

Optical Tables

Optical Rails

Bases / Clamps

Posts / Holders

Optical Mounts

Tilt Platforms



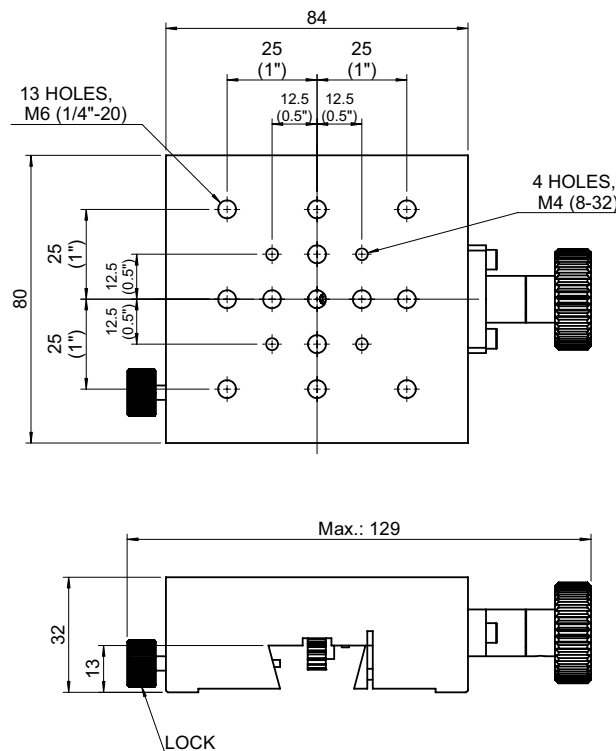
01PCR-2M

- * Several M6 (1/4-20) and M4 (8-32) tapped mounting holes on the top surface.
- * Turn larger thumbscrew equipped with pinion for positions adjustment.
- * A tiny thumbscrew is attached on the carrier to allow users to lock the position easily.
- * Vernier Reading: 0.1mm
- * Single-Piece Aluminum Alloy and black finished.

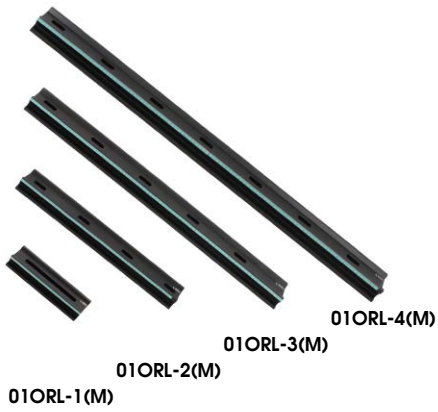


**01PBH Series+01PCR Series
Demo**

	Model	W(kgs)
Metric (mm)	01PCR-2M	0.52
English (inch)	01PCR-2	0.52



Optical Rail



- * Metric and English both available.
- * Like the 01OBH series, these rails provide an accurate linearity device.
- * The metric scales design is convenient for usage in both directions.
- * The long slots and low profile of the optical rail contribute to its versatile mounting capabilities.
- * The monolithic aluminum structure is black anodized for durability.
- * Straightness is held to within $\pm 0.2\text{mm}$ per meter.
- * Space saving, low profile design.
- * Metric scale for quick positioning of carriers.
- * Length selections: 250mm, 500mm, 750mm and 1000mm.

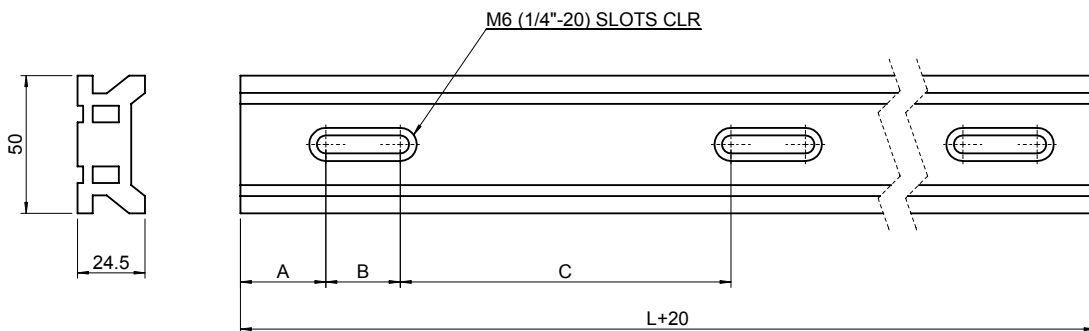


Model	A(mm)	B(mm)	C(mm)	L(mm)	Slot	W(kgs)
01ORL-1(M)	42	186	-	250	1	0.50
01ORL-2(M)	31	27	120	500	4	1.06
01ORL-3(M)	31	27	120	750	5	1.57
01ORL-4(M)	31	27	120	1000	7	2.04



01OCN+01ORL
Demo

01ORL-Series



Optical Carrier



01OCN-1M

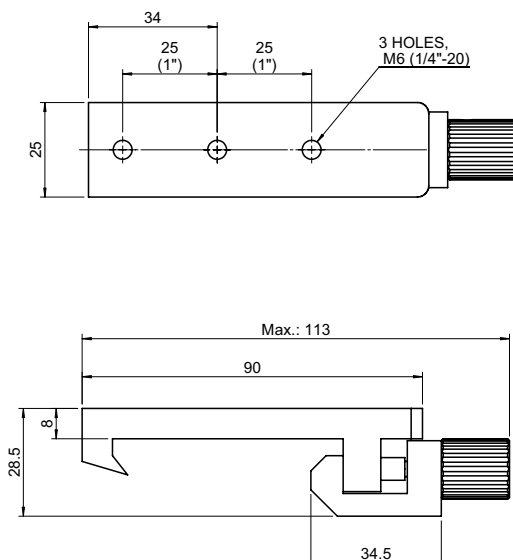


01OCN-2M

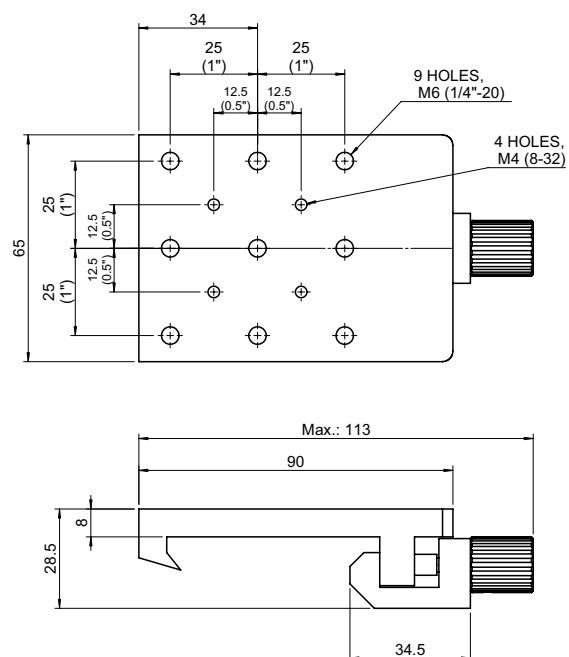


**01OCN+01ORL
Demo**

01OCN-1M



01OCN-2M



- * These carriers work with optical rail 01ORL series to provide the most versatility in limited table space.
- * The thumbscrew securely locks the carriers into any position on the rails and ensures an optimal stability.
- * The built-in friction-reducing pad provides the carriers with smooth sliding and repositioning.
- * These carriers can be mounted at any location onto the optical rail.
- * Carrier can be re-positioned while loose thumbscrew and motion along the optical rail.
- * Two models with different widths are offered.
- * Numerous M6 (1/4-20) and M4 (8-32) tapped mounting holes on top surface.
- * Width selections: 25mm and 65mm.

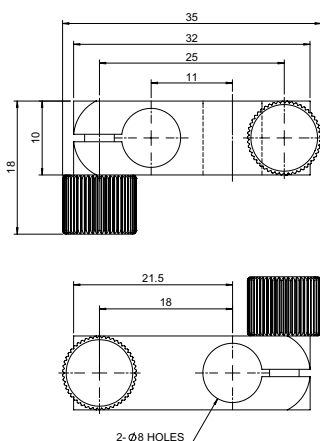
	Model	W(kgs)
Metric (mm)	01OCN-1M	0.09
	01OCN-2M	0.18
English (inch)	01OCN-1	0.09
	01OCN-2	0.18



Miniature Right-Angle Post Adaptor



52CAP-1(M)



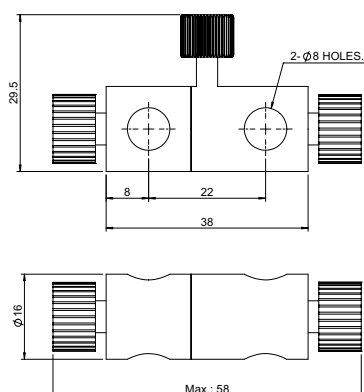
- * Metric and English both available.
- * Knurled knob screw design, firmly fixed two posts at 90°.
- * The knurled knob screw can be easily tightened by hand to stable posts and prevent slippage.
- * Mounted two 8mm diameter posts in stable position.
- * Fixed 90° spatial arrangement for posts.
- * Each posts has its own knurled knob screw for stabilization.

Model	W(kgs)
52CAP-1(M)	0.02

Miniature Universal Post Adaptor



52CAP-3(M)



- * Metric and English both available.
- * Supports two 8 mm diameter posts in same parallel plane.
- * The mutual angle has full 360° rotational capability independently.
- * Separating operational designed allows posts to be aligned with each other, as well as calibrated angles without affecting other elements within the system.
- * Stabilize supports two 8 mm diameter posts individually.
- * An arbitrary mutual angle rotation parallel to each other.
- * Tightly fixed with center thumbscrew when two posts rotate to optimal position.
- * Each post has its own knob screws for angle, position and direction, will not interference with each other.

Model	W(kgs)
52CAP-3(M)	0.03

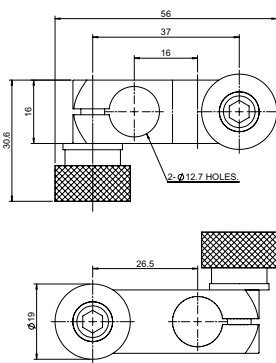
Cross Post Adaptor



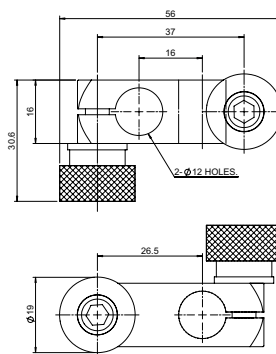
02CAP-1(M) / 02CAP-1(M)-A

- * Metric and English both available.
- * Knurled thumbscrews tightly secure posts at a 90° angle.
- * Locking the clamp finger provides secure positioning and prevents any axial or rotational slippage or sway in the posts.
- * Supports two 12.7mm (02CAP-1(M)) or 12mm (02CAP-1(M)-A) diameter posts.
- * Fixed 90° with respect to each other.
- * Thumbscrew clamp its own post separately.

02CAP-1(M)



02CAP-1(M)-A



Model	W(kgs)
02CAP-1(M)	0.05
02CAP-1(M)-A	0.05

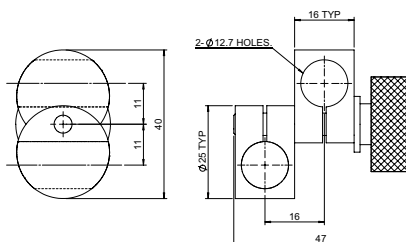
360° Post Adaptor



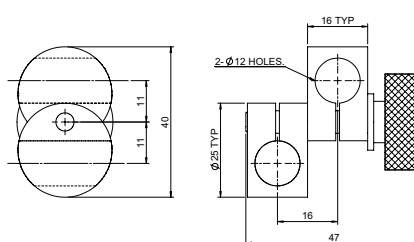
02CAP-2(M) / 02CAP-2(M)-A

- * Metric and English both available.
- * Use only one screw to securely fasten two posts simultaneously.
- * It is positioned two posts at any angle while guaranteeing planar parallelism between the planes formed by them.
- * Supports two 12.7mm (02CAP-2(M)) or 12mm (02CAP-2(M)-A) diameter posts.
- * Full 360° rotation parallel to each other.

02CAP-2(M)



02CAP-2(M)-A



Model	W(kgs)
02CAP-2(M)	0.05
02CAP-2(M)-A	0.05

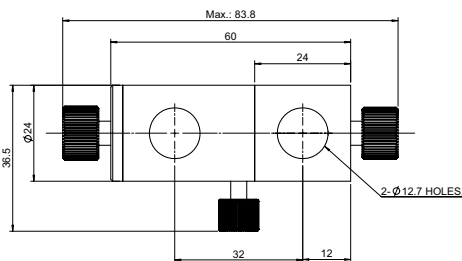
Universal Post Adaptor



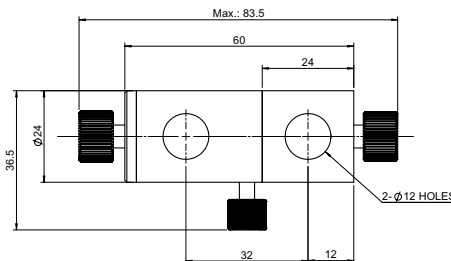
02CAP-3(M) / 02CAP-3(M)-A

- * Metric and English both available.
- * Two posts are held within parallel planes.
- * The mutual angle has full 360° rotational capability independently.
- * A fixed separation is provided for precise alignment of either post or the mutual angle without influencing other components in the system.
- * Supports two 12.7mm (02CAP-3(M)) or 12mm (02CAP-3(M)-A) diameter posts.
- * An arbitrary mutual angle rotation parallel to each other.
- * Tightly fixed with center thumbscrew when two posts rotate to optimal position.
- * Individual thumbscrew operation for each post no matter position, angle and direction.

02CAP-3(M)



02CAP-3(M)-A



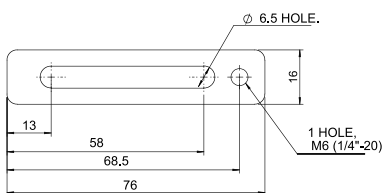
Model	W(kgs)
02CAP-3(M)	0.07
02CAP-3(M)-A	0.07

Height Adjustable Base Clamp

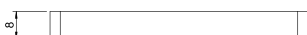


02BCA-1M

- * Fasten component on the table surface by cap screw after adjustment the clamp height to fit with the thickness of optomechanical components.
- * The height adjustable clamp provides flexibility to secure components that cannot be directly tied down to threaded surface.
- * An extra threaded hole is designed for M6 (1/4-20) to adjust heights. By using different screw lengths to hold different thickness plates.
- * Can be stabilized in all directions and angles
- * Placing M6 (1/4-20) screw in the 8 mm thickness slot for flexible fixing function. Adjustable distance: 44mm
- * Faster, easy and stable set component on the surface of optical table or breadboard.



	Model	W(kgs)
Metric (mm)	02BCA-1M	0.02
English (inch)	02BCA-1	0.02

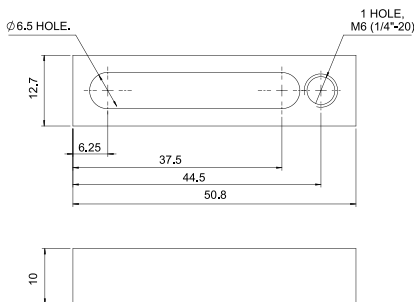


Height Adjustable Base Clamp



02BCA-2M

- * Fasten component on the table surface by cap screw after adjustment the clamp height to the same as the thickness of optomechanical components.
- * Adjusting the invert cap screw height to make it possible to hold base plate of all thickness in place.
- * The height adjustable clamp provides flexibility to secure components that cannot be directly tied down to threaded surface.
- * Arbitrarily direction and angle can be set.
- * Placing M6 (1/4-20) screw in the slot for flexible fixing function. Adjustable distance: 30mm.
- * 10mm thickness clamp provides higher stability for fixing thicker base.
- * Fast, easy and stable set component on the surface of optical table or breadboard.



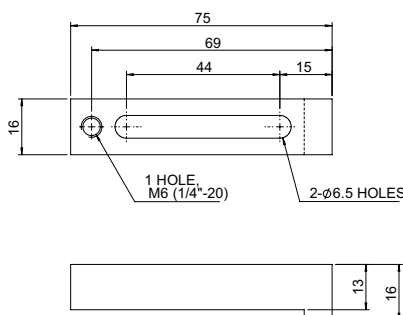
	Model	W(kgs)
Metric (mm)	02BCA-2M	0.04
English (inch)	02BCA-2	0.04

Heavy-Duty Adjustable Height Base Clamp



02BCA-3HM

- * Fasten component on the table surface by cap screw after adjustment the clamp height to fit with the thickness of optomechanical components.
- * Adjusting the invert cap screw height to make it possible to hold base plate of all thickness in place.
- * The height adjustable clamp provides flexibility to secure components that cannot be directly tied down to threaded surface.
- * Direction and angle can be arbitrarily set.
- * Placing M6 (1/4-20) screw in the slot for flexible fixing function. Adjustable distance: 44mm
- * 13mm thickness (16mm contacted surface) provides higher stability for fastening heavy and thick components.
- * Faster, easy and stable set component on the surface of optical table or breadboard.



	Model	W(kgs)
Metric (mm)	02BCA-3HM	0.03
English (inch)	02BCA-3H	0.03

Fixed Height Base Clamp



02BCF-1M

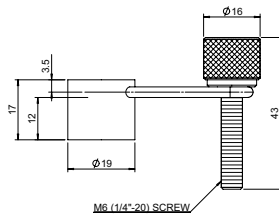
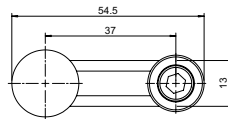


02BCF-2M

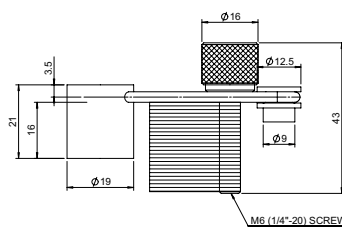
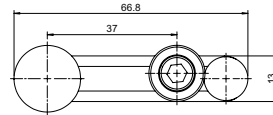
- * The base of this clamp is fixed at a given height to fit work pieces with matched heights.
- * The angle of approach can be arbitrarily set.
- * These base clamps are ideal for objects that do not have standard M6 (1/4-20) sized holes.
- * Model 02BCF-1M is for thickness 12mm bases.
- * Model 02BCF-2M is for thickness 16mm bases.

	Model	W(kgs)
Metric (mm)	02BCF-1M	0.03
	02BCF-2M	0.04
English (inch)	02BCF-1	0.03
	02BCF-2	0.04

02BCF-1M



02BCF-2M



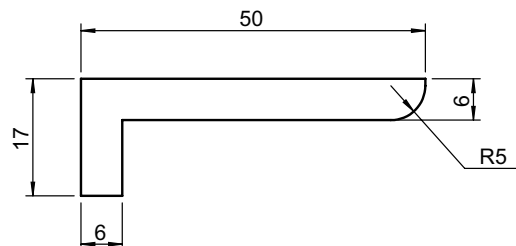
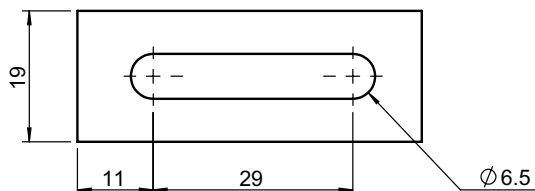
Fixed Base Clamp



02FCB-1(M)

- * Metric and English both available.
- * 17mm full height is compatible for components thick up to 11mm.
- * One cap screw M6 (1/4-20) and washer can tightly fix the component that has same height with clamp.
- * M6 (1/4-20) and 29mm long slot is more flexible when forward or backward motion.
- * Arbitrarily direction and angle can be set.
- * Simple design, low cost and more popular application.
- * Faster, easy and stable set component on the surface of optical table or breadboard.

Model	W(kgs)
02FCB-1(M)	0.02



Miniature Slide Base



52SDB-1(M)

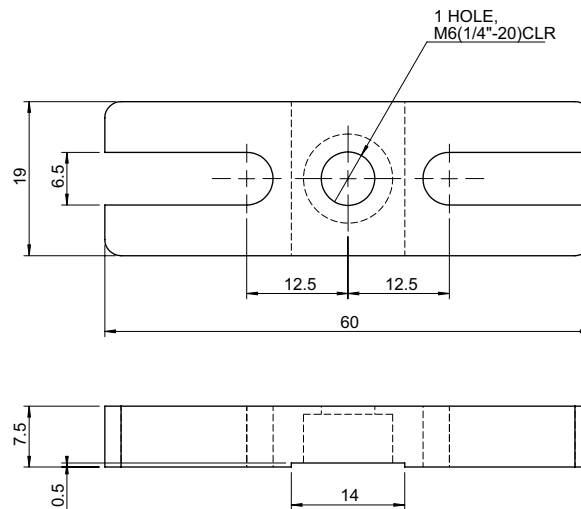


52SDB-5(M)

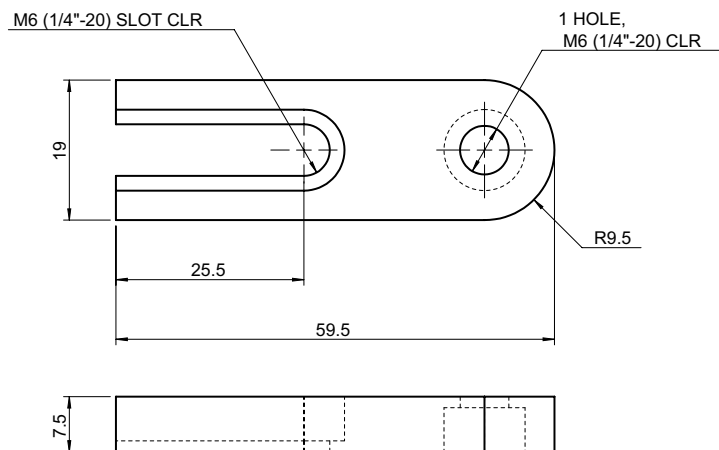
- * Metric and English both available.
- * Space saving and easy to carry.
- * Equipped with one-direction slots for high mobility and alignment adjustments.
- * Allows for higher flexibility in positioning with posts and holders.
- * Can be placed at any position on the optical table, breadboard.
- * Combined with posts and holders via counter-clearance hole.
- * 52SDB-5(M) slots for easy positioning under space restrictions .

Model	W(kgs)
52SDB-1(M)	0.02
52SDB-5(M)	0.02

52SDB-1(M)



52SDB-5(M)



Slide Base



02SDB-1(M)



02SDB-2M



02SDB-3(M)



02SDB-4M



02SDB-5(M)



02SDB-6M



02SDB-7M



02SDB-8M

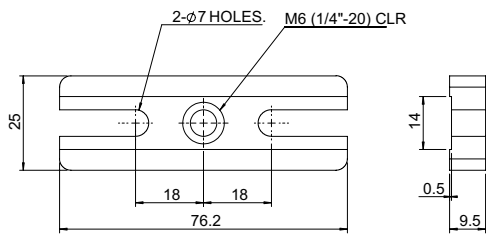
- * All bases in this family are provided with unidirectional slot(s) for flexible lignment.
- * This cost-effective approach securely post-mounts components to optical tables.
- * These bases are precision machined and provided with a rigid lockdown to ensure accurate positioning.
- * Counter-bored clearance holes are machined for support posts.
- * Depends on space limitation, Provides more flexibility selection in positioning posts and holders.
- * Accepts M6 (1/4-20) threaded posts and holders or optomechanics.
- * Model 02SDB-3(M) allows 360° rotation.
- * Model 02SDB-7M provide XY direction movement.
- * Model 02SDB-8M allows XYθ movement.

	Model	W(kgs)
Metric (mm)	02SDB-1(M)	0.04
	02SDB-2M	0.08
	02SDB-3(M)	0.05
	02SDB-4M	0.04
	02SDB-5(M)	0.03
	02SDB-6M	0.11
	02SDB-7M	0.34
	02SDB-8M	0.14
English (inch)	02SDB-1(M)	0.04
	02SDB-2	0.08
	02SDB-3(M)	0.05
	02SDB-4	0.04
	02SDB-5(M)	0.03
	02SDB-6	0.11
	02SDB-7	0.34
	02SDB-8	0.14

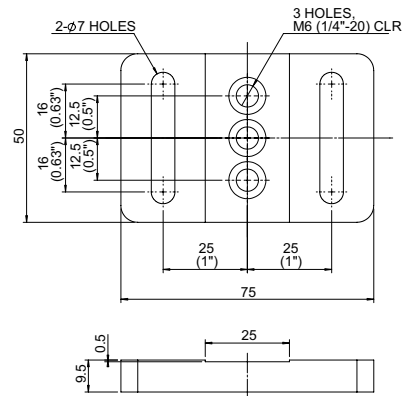
Model	pack	W(kgs)
02SDB-1M-PK	5	0.20
02SDB-5M-PK	5	0.15
02SDB-1-PK	5	0.20
02SDB-5-PK	5	0.15

Slide Base

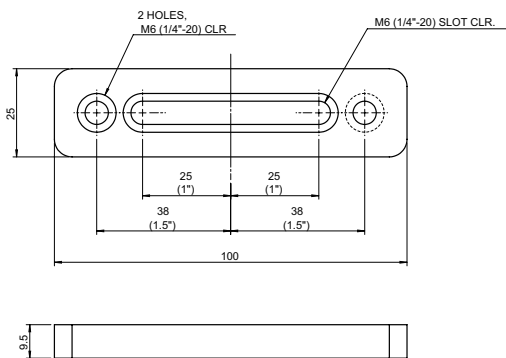
02SDB-1(M)



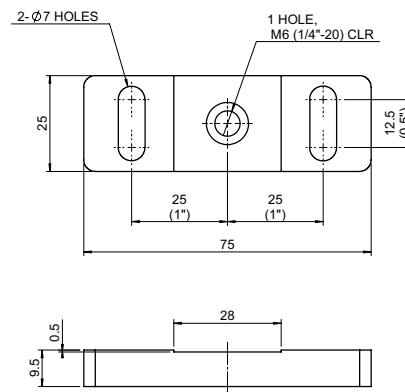
02SDB-2M



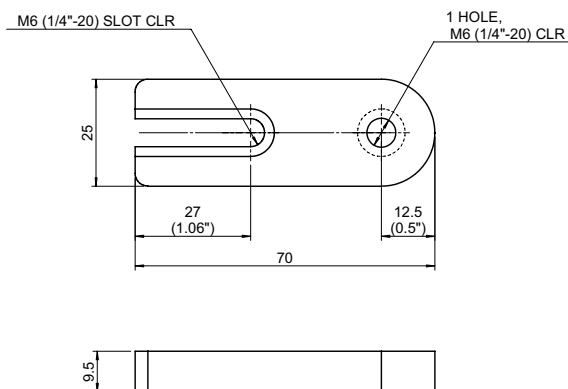
02SDB-3(M)



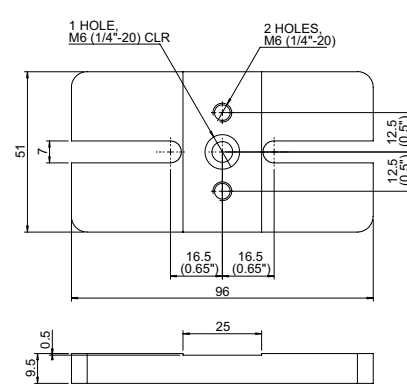
02SDB-4M



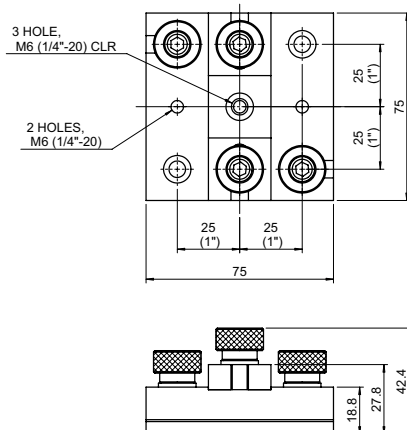
02SDB-5(M)



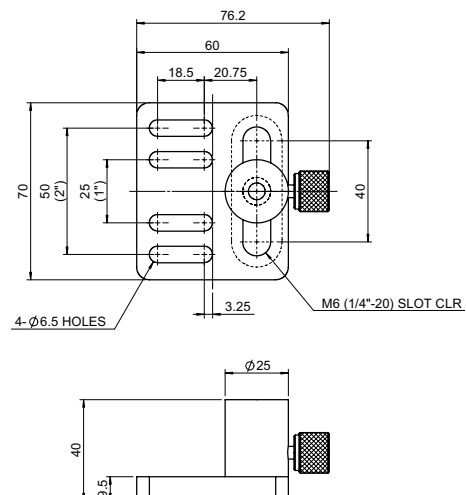
02SDB-6M



02SDB-7M



02SDB-8M

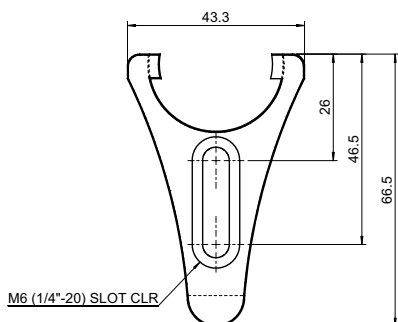


Holding Fork



02BCF-4(M)

- * Metric and English both available.
- * The holding fork with 03MFP-1(M), 03HDR-1(M) or 02FHP-series pedestal allows us to mount components in any position on optical table.
- * Precision and Accuracy design to avoid slip or twisting when fasten on the table.
- * The clamping fork is provided with a M6 (1/4"-20) counterbored slot for secure and flexible mounting of optical pedestals on optical table or platform.
- * Solid stainless steel material to increase rigid and stability.



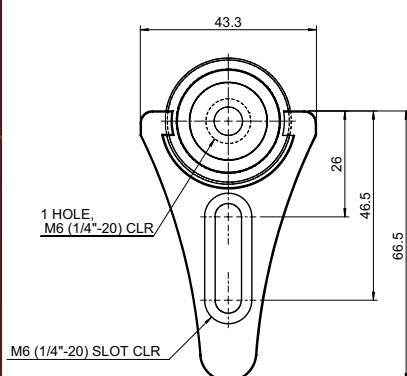
Model	W(kgs)
02BCF-4(M)	0.07

Holding Fork and Fixed Pedestal Set



02BCF-3(M)

- * Metric and English both available.
- * 02BCF-3(M) offer whole set including 03HDR-1(M) and 02BCF-4(M) both models.
- * The pedestal has a of greater diameter than any other conventional post / holder systems, which provides better stability for mounting optical components.
- * The holding fork set allows us fast and stable to mount components in any position on optical table.
- * It provides good price when user orders them together.
- * Solid stainless steel material to increase rigid and stability.
- * Better stability than conventional post / post holder system.
- * Stacking with 02SHA-series, 02FEP-series or 02FHP-series to increase height.

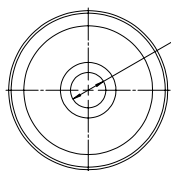
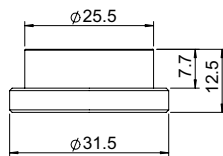
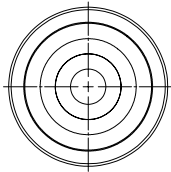


Model	W(kgs)
02BCF-3(M)	0.12

Magnetic Fixed Pedestal



03MFP-1(M)



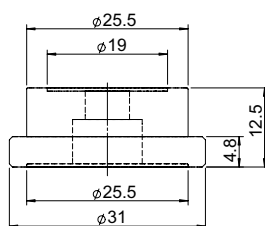
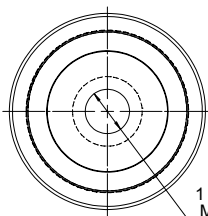
- * Metric and English both available.
- * Magnetism character is best selection for slight movement.
- * The pedestal has a greater diameter than any other conventional post / holder systems, which provides better stability for mounting optical components.
- * In use with 02SHA-series, 02FHP-series and 02FEP-series to increase height.
- * Product itself can be stacked with each other closely and stable to increase height and not slip.
- * Solid magnetic stainless steel material to increase rigid and stability.
- * M6 (1/4-20) clearance hole in central to fasten to post or post holder.
- * It shall be combined with holding fork 02BCF-4(M) to ensure stability.

Model	W(kgs)
03MFP-1(M)	0.05

Fixed Pedestal



03HDR-1(M)



- * Metric and English both available.
- * The pedestal has a greater diameter than any other conventional post/holder systems, which provides better stability for mounting optical components.
- * In use with 02SHA-series, 02FHP-series and 02FEP-series to increase height.
- * Product itself can be stacked with each other closely and stable to increase height and not slip.
- * Solid stainless steel material to increase rigid and stability.
- * M6 (1/4-20) clearance hole in central to fasten to post or post holder.
- * It shall be combined with holding fork 02BCF-4(M) to ensure stability.

Model	W(kgs)
03HDR-1(M)	0.05



Shim Plate



02SHA-1(M)

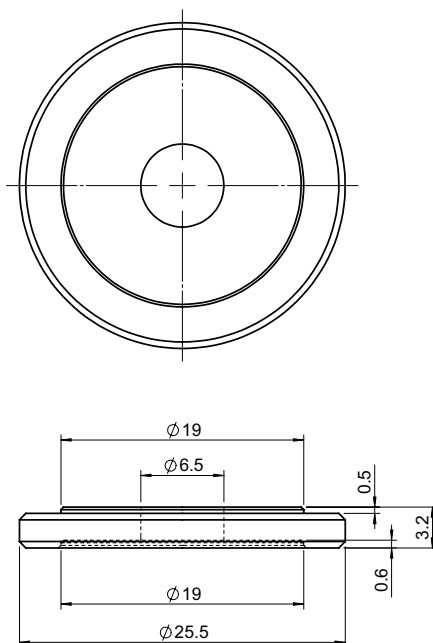


02SHA-2(M)

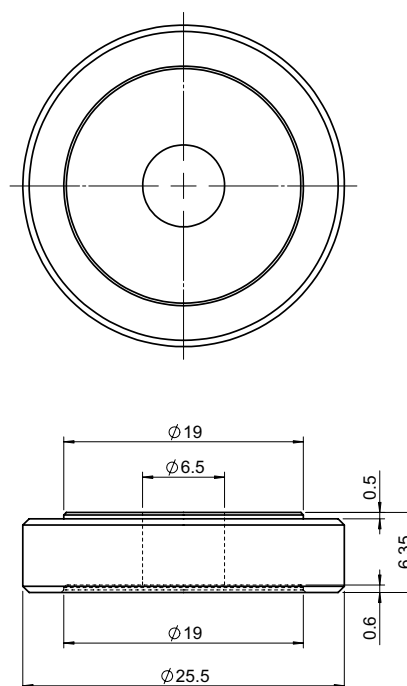
- * Metric and English both available.
- * The various shim plate combination allows us to reach heights other than those of fixed height pedestals while maintaining the stability advantage of such pedestals.
- * Put Protruding part of shim plate on the top of fixed-height pedestal to maintain stiffness and stability of a pedestal with increased height.
- * Solid stainless steel material to increase rigid and stability.
- * There are two different thickness of 1/8 " and 1/4" to choose and combined together.

Model	W(kgs)
02SHA-1(M)	0.01
02SHA-2(M)	0.02

02SHA-1(M)



02SHA-2(M)



Fixed - Height Pedestal



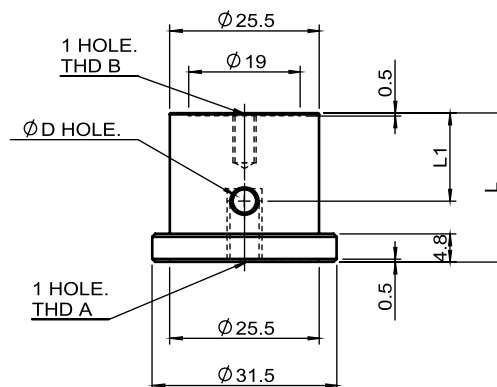
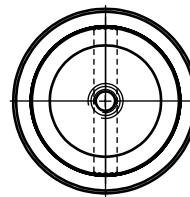
02FHP-Series

Model	pack	W(kgs)
02FHP-0.5M-PK	5	0.3
02FHP-1M-PK	5	0.45
02FHP-2M-PK	5	0.95
02FHP-3M-PK	5	1.55
02FHP-4M-PK	5	2.05
02FHP-0.5-PK	5	0.3
02FHP-1-PK	5	0.45
02FHP-2-PK	5	0.95
02FHP-3-PK	5	1.55
02FHP-4-PK	5	2.05

- * The fixed-height pedestals ensure more significant stability than conventional post and post holder systems due to their larger diameters and increased stiffness.
- * Better stability than conventional post and post holder systems.
- * There are two different thread holes on both end and more flexible when combine with components.
- * One M4 (8-32) thread hole on top and M6 (1/4-20) thread hole at bottom.
- * Solid stainless steel material to increase rigid and stability.
- * A sidelong Dia. 4mm or 6.5mm hole through the post ; a hex driver can be inserted through the hole to provide extra leverage when tightening mounted components.
- * Heights selection: 12.7mm to 101.6mm (0.5" to 4") are available.
- * Other heights available upon request.

	Model	A	B	D	L1	L	W(kgs)
Metric (mm)	02FHP-0.5M	M6	M4	4	5	12.7	0.05
	02FHP-1M	M6	M4	6.5	15	25.4	0.1
	02FHP-1.5M	M6	M4	6.5	20	38.1	0.15
	02FHP-2M	M6	M4	6.5	20	50.4	0.2
	02FHP-2.5M	M6	M4	6.5	20	63.5	0.25
	02FHP-3M	M6	M4	6.5	20	76.2	0.3
	02FHP-4M	M6	M4	6.5	20	101.6	0.4
	02FHP-0.5	1/4-20	8-32	0.16	0.2	0.5	0.05
English (inch)	02FHP-1	1/4-20	8-32	0.26	0.59	1	0.1
	02FHP-1.5	1/4-20	8-32	0.26	0.79	1.5	0.15
	02FHP-2	1/4-20	8-32	0.26	0.79	2	0.2
	02FHP-2.5	1/4-20	8-32	0.26	0.79	2.5	0.25
	02FHP-3	1/4-20	8-32	0.26	0.79	3	0.3
	02FHP-4	1/4-20	8-32	0.26	0.79	4	0.4

02FHP-series



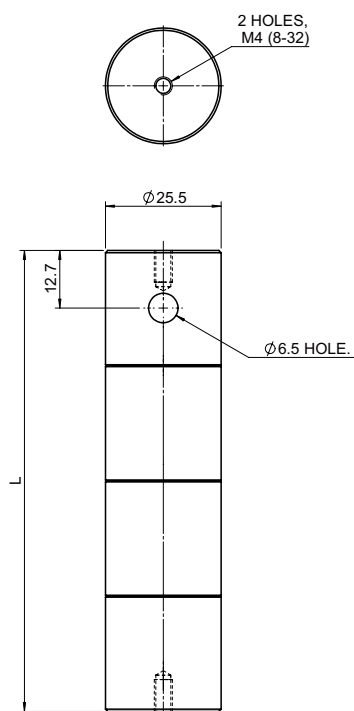
Pedestal Extender



- * Stainless Steel material ensures long-term stability.
- * Combined with fix-height pedestal 02FHP-series and shim plate 02SHA-series to create almost any height that you want.
- * Index marks per 1" for quick height reference.
- * M4 (8-32) thread hole on both end.
- * A sidelong Dia. 6.5mm hole through the post ; a balldriver can be inserted through the hole to provide extra leverage when tightening mounted components.
- * Heights selection: 25.4mm to 101.6mm (1" to 4") are available.
- * Customized heights available upon request.

	Model	L	W(kgs)
Metric (mm)	02FEP-1M	25.4	0.09
	02FEP-2M	50.8	0.19
	02FEP-3M	76.2	0.29
	02FEP-4M	101.6	0.39
English (inch)	02FEP-1	1	0.09
	02FEP-2	2	0.19
	02FEP-3	3	0.29
	02FEP-4	4	0.39

02FEP-series



Pedestal Sliding Clamp



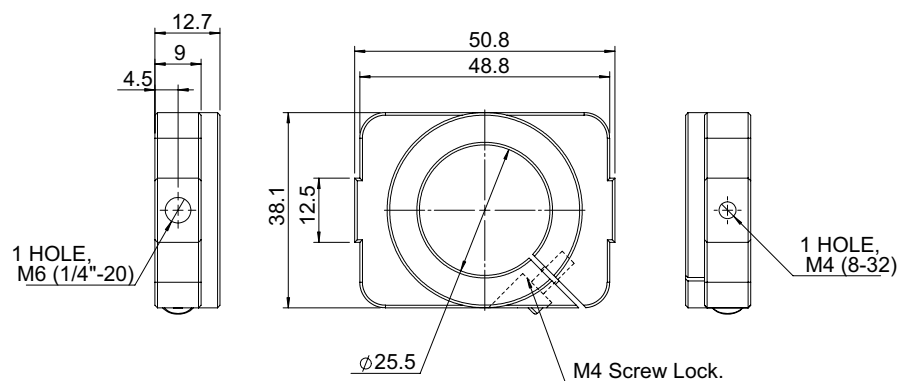
02FCP-1M

- * Inner diameter 25.5mm to clamp all of fix-height pedestals and pedestal extenders.
- * It can be fixed at any position along the pedestal length up or down moving.
- * M6 (1/4-20) and M4 (8-32) thread holes on both sides to provide combination with optomechanics like mirror mount.
- * Combines 02FHP-series, 02FEP-series, 02BCF-4(M) and 04PMT-1(M) together to be a beam steering device (07BSD-4M).
- * Aluminum material and black anodized finished.



**07BSD-4M
Demo**

	Model	W(kgs)
Metric (mm)	02FCP-1M	0.40
English (inch)	02FCP-1	0.40



Miniature Height Fixed Collar for Φ 8mm Post



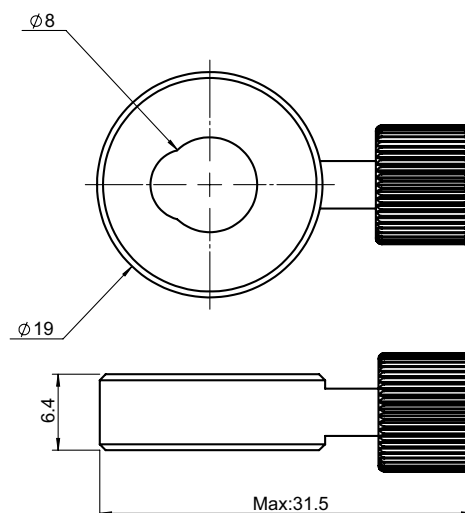
53HFC-1(M)

- * Metric and English both available.
- * 53HFC-1(M) collar allows post to be rotated at fixed height.
- * Stability will not be affected by post's rotation angle
- * O-type design, can be fixed on 8mm diameter post with the screw knob.
- * The inner 8mm diameter is compatible with 53MPS- series small posts

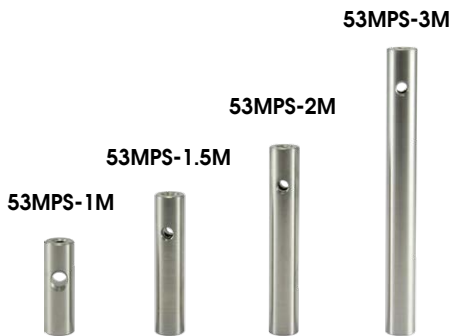
Model	W(kgs)
53HFC-1(M)	0.01



**53HFC-1(M)+53MPH+53MPS
Demo**



Miniature Post - Φ 8mm



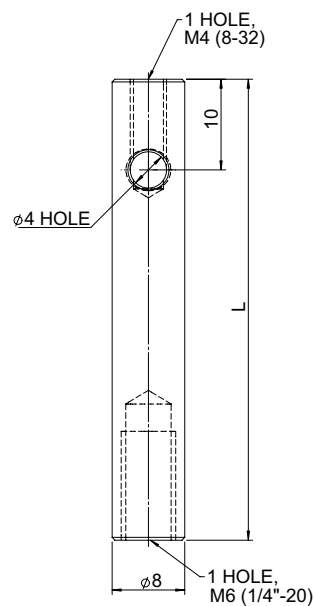
- * Stainless Steel Post, diameter: 8mm.
- * M4 (8-32) tapped hole on one end of the post ; M6 (1/4-20) tapped hole on the other end, provides more resilient when fixed.
- * Available lengths for posts : 25.4mm to 76.2mm (1" to 3").
- * Can be attached directly to threaded surface or base.
- * A diameter 4mm hole is provided on the side that allows customer to lock the optical component through the hole with a hex wrench.
- * With 53HFC-1(M) mini height fixed collar, post's height will not be affected while changing post's angle and direction.
- * Various lengths of Stainless Steel post and Black aluminum alloy post holder combined to achieve arbitrary height.



**53HFC-1(M)+53MPH+53MPS
Demo**

	Model	L	W(kgs)
Metric (mm)	53MPS-1M	25.4	0.01
	53MPS-1.5M	38.1	0.01
	53MPS-2M	50.8	0.02
	53MPS-3M	76.2	0.03
English (inch)	53MPS-1	1	0.01
	53MPS-1.5	1.5	0.01
	53MPS-2	2	0.02
	53MPS-3	3	0.03

53MPS-Series



Miniature Post Holder for Φ 8mm Post

Breadboards

Optical Tables

Optical Rails

Bases / Clamps

Posts / Holders

Optical Mounts

Tilt Platforms

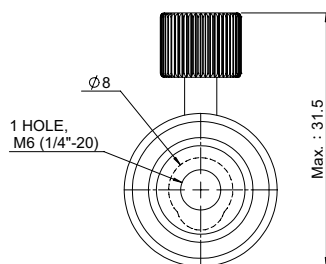
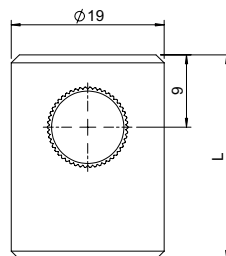


53HFC-1(M)+53MPH+53MPS
Demo

- * Inner diameter: 8mm ; outer diameter: 19mm.
- * Inner eccentric arc design throughout the hole to avoid slip when thumbscrew fixed post to form stability coplanar.
- * Compatible with 53MPS series 8mm diameter post.
- * Each post holder has its own thumbscrew to stabilize post.
- * Available heights for post holders: 25.4mm to 76.2mm (1" to 3").
- * Each post holder has Metric M6 tapped hole or Imperial 1/4-20 tapped hole on the bottom end for fixation on breadboard or base.
- * Various combination of different post holder lengths and post heights will reach all the needs in different applications.

	Model	L	W(kgs)
Metric (mm)	53MPH-1M	25.4	0.03
	53MPH-1.5M	38.1	0.03
	53MPH-2M	50.8	0.04
	53MPH-3M	76.2	0.06
English (inch)	53MPH-1	1	0.03
	53MPH-1.5	1.5	0.03
	53MPH-2	2	0.04
	53MPH-3	3	0.06

53MPH-Series



Height Fixed Collar for Φ 12.7mm Post



03HFC-1(M)



03HFC-2(M)

- * Metric and English both available.
- * This series of collars is designed for holding a static height on post and allows users rotate device or structure on the same altitude.
- * 03HFC-1(M) is standard O-type model and could be locked on dia.12.7mm post by a thumbscrew.
- * 03HFC-2(M) is designed as a C-type for slip-on usage without removing or rearranging other components.
- * 12.7mm Inner Diameter design for easy mount and dismount.

Model	Aperture Type	W(kgs)
03HFC-1(M)	O-Type	0.012
03HFC-2(M)	C-Type	0.01

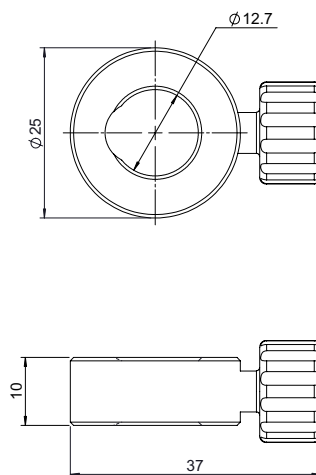


03HFC-1(M)+03MPH Series Demo

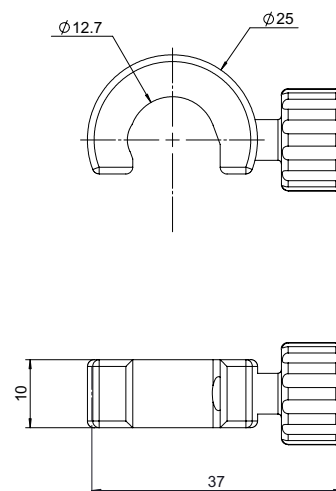


03HFC-2(M)+03MPH Series Demo

03HFC-1(M)



03HFC-2(M)



Mounting Post

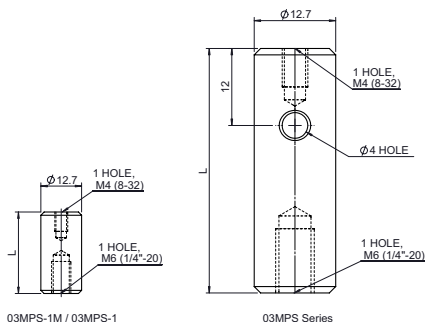


03MPS-Series

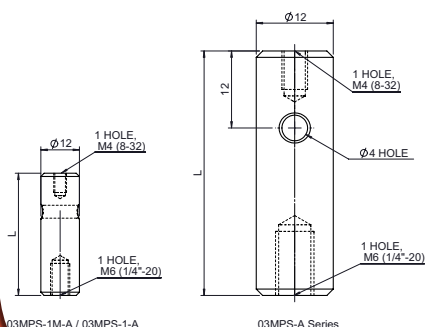


**03HFC-1(M)+03MPH Series
Demo**

03MPS-Series $\Phi 12.7\text{mm}$



03MPS-Series-A $\Phi 12\text{mm}$



- * Precision-Polish Stainless steel post with 12.7mm (0.5") or 12mm diameter.
- * M4 (8-32) tapped hole on one end; M6 (1/4-20) tapped hole on other end.
- * A sidelong Dia. 4mm hole through the post; a hex driver can be inserted through the hole to provide extra leverage when tightening mounted components.
- * Can be attached directly to same threaded surfaces or base.
- * To get arbitrary height while different length post combines with variety of black anodized aluminum material holder length.
- * Two different thread holes on both end to provide more flexible when combine with components.
- * Combined with collars 03HFC-series to hold a static height on post and allows users rotate device or structure on the same altitude.
- * Length selections: 25.4mm to 304.8mm (1" to 12") are available.
- * Customized lengths available upon request.

03MPS-Series- $\Phi 12.7\text{mm}$

	Model	L	W(kgs)
Metric (mm)	03MPS-1M	25.4	0.02
	03MPS-1.5M	38.1	0.03
	03MPS-2M	50.8	0.05
	03MPS-3M	76.2	0.07
	03MPS-4M	101.6	0.09
	03MPS-5M	127	0.12
	03MPS-6M	152.4	0.15
	03MPS-8M	203.2	0.20
	03MPS-10M	254	0.25
	03MPS-12M	304.8	0.30
	03MPS-1	1	0.02
	03MPS-1.5	1.5	0.03
English (inch)	03MPS-2	2	0.05
	03MPS-3	3	0.07
	03MPS-4	4	0.09
	03MPS-5	5	0.12
	03MPS-6	6	0.15
	03MPS-8	8	0.20
	03MPS-10	10	0.25
	03MPS-12	12	0.30

Model	pack	W(kgs)
03MPS-1M-PK	5	0.10
03MPS-1.5M-PK	5	0.15
03MPS-2M-PK	5	0.25
03MPS-3M-PK	5	0.35
03MPS-4M-PK	5	0.45

03MPS-Series-A- $\Phi 12\text{mm}$

	Model	L	W(kgs)
Metric (mm)	03MPS-1M-A	25.4	0.02
	03MPS-1.5M-A	38.1	0.03
	03MPS-2M-A	50.8	0.04
	03MPS-3M-A	76.2	0.06
	03MPS-4M-A	101.6	0.09
	03MPS-5M-A	127	0.11
	03MPS-6M-A	152.4	0.13
	03MPS-8M-A	203.2	0.17
	03MPS-10M-A	254	0.22
	03MPS-12M-A	304.8	0.26
	03MPS-1-A	1	0.02
	03MPS-1.5-A	1.5	0.03
English (inch)	03MPS-2-A	2	0.04
	03MPS-3-A	3	0.06
	03MPS-4-A	4	0.09
	03MPS-5-A	5	0.11
	03MPS-6-A	6	0.13
	03MPS-8-A	8	0.17
	03MPS-10-A	10	0.22
	03MPS-12-A	12	0.26

Model	pack	W(kgs)
03MPS-1-PK	5	0.10
03MPS-1.5-PK	5	0.15
03MPS-2-PK	5	0.25
03MPS-3-PK	5	0.35
03MPS-4-PK	5	0.45

Mounting Post Holder

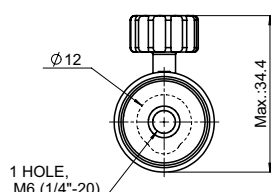
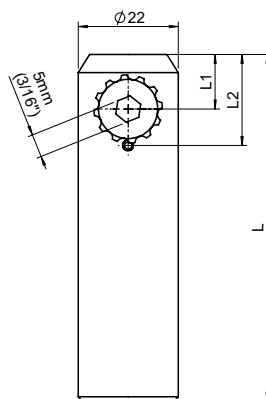
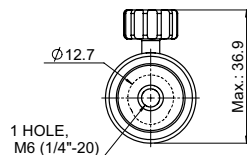
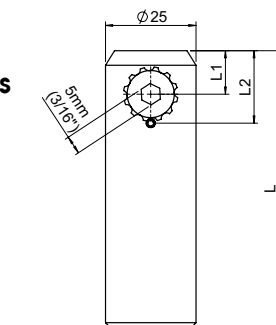


03MPH-Series



03HFC-1(M)+03MPH Series Demo

- * M6 (1/4"-20) tapped hole on the bottom end, these post holders are easy to attach on either bases, tables or breadboards. All post holders are equipped with a thumb-screw to secure post in position.
- * Each post holder includes one pre-loaded spring and solid hex-locking thumbscrew to ensure the post stability and rigidity.
- * Inner eccentric arc design throughout the hole to avoid slip when thumbscrew fixed post to form stability coplanar.
- * The combination of various post holders with mounting posts of different heights makes it possible to meet the specific heights of different applications.
- * Recommended max torque: 30 kgf-cm
- * Inner Dia. 12.7mm (0.5") or 12mm.
- * One-handed slight positioning of post mounted devices is possible prior to final tightening.
- * Length selections: 25.4mm to 152.4mm (1" to 6") are available.
- * Note: that we do not recommend using an L wrench to tighten the thumbscrew in place, as this may break off the screw head.



03MPH-Series- Φ12.7mm

	Model	L	L1	L2	W(kgs)
Metric (mm)	03MPH-1M	25.4	9	15	0.04
	03MPH-1.5M	38.1	12	20	0.05
	03MPH-2M	50.8	12	20	0.07
	03MPH-3M	76.2	12	20	0.09
	03MPH-4M	101.6	12	20	0.12
	03MPH-5M	127	12	20	0.14
	03MPH-6M	152.4	12	20	0.16
English (inch)	03MPH-1	1	0.35	0.59	0.04
	03MPH-1.5	1.5	0.47	0.79	0.05
	03MPH-2	2	0.47	0.79	0.07
	03MPH-3	3	0.47	0.79	0.09
	03MPH-4	4	0.47	0.79	0.12
	03MPH-5	5	0.47	0.79	0.14
	03MPH-6	6	0.47	0.79	0.16

03MPH-Series-A- Φ12mm

	Model	L	L1	L2	W(kgs)
Metric (mm)	03MPH-1M-A	25.4	9	15	0.03
	03MPH-1.5M-A	38.1	12	20	0.04
	03MPH-2M-A	50.8	12	20	0.05
	03MPH-3M-A	76.2	12	20	0.07
	03MPH-4M-A	101.6	12	20	0.09
	03MPH-6M-A	152.4	12	20	0.12
English (inch)	03MPH-1-A	1	0.35	0.59	0.03
	03MPH-1.5-A	1.5	0.47	0.79	0.04
	03MPH-2-A	2	0.47	0.79	0.05
	03MPH-3-A	3	0.47	0.79	0.07
	03MPH-4-A	4	0.47	0.79	0.09
	03MPH-6-A	6	0.47	0.79	0.12



Magnetism Post Holder with Universal Base

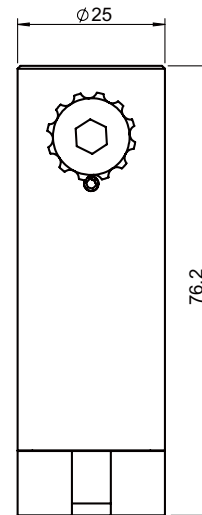
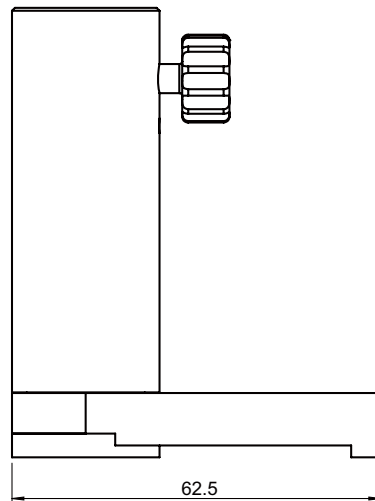
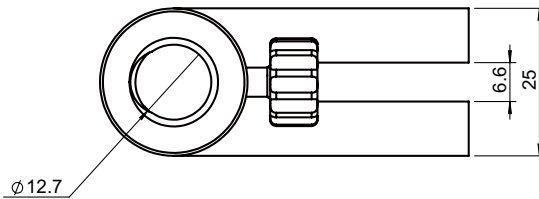


03PHB-3(M)

- * For 12.7mm diameter post
- * Combined with clamp fork to reduce assembly time.
- * 360 degree continued swiveling base for mounting convenience.
- * Magnets in bottom provide stable holding force before fastening on an optical table.
- * Pre-set spring-loaded hex screw for positioning ease.
- * 76.2mm length for post holder.
- * Highly stable two-line through bottom contact with the post when thumbscrew locking.

Model	L	W(kgs)
03PHB-3(M)	76.2	0.1

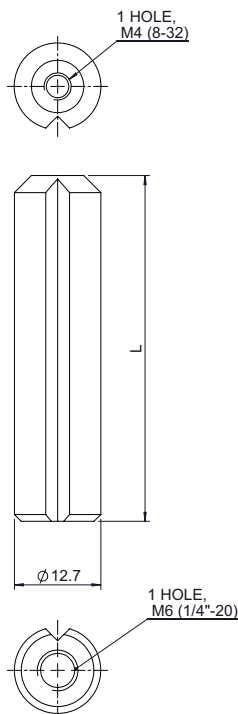
Model	Pack	W(kgs)
03PHB-3(M)-PK	5	0.5



Isolated Mounted Post



03MPO-Series



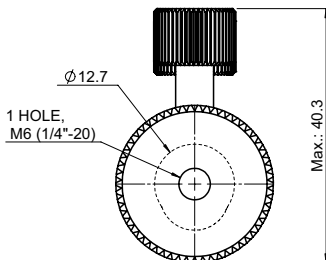
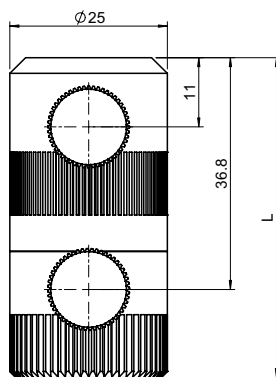
- * These Isolated mounted V-groove posts are threaded at both ends with different taps to provide more flexibility in mounting.
- * V-grooved designed ensure that the azimuth is sustained while the elevation is being adjusted.
- * The azimuth also can be designated with the thumbscrew in the bottom of Isolated mounted holder.
- * Isolated Mounted Post in 12.7mm (0.5") outer diameter.
- * M4 (8-32) tapped hole on one end; M6 (1/4-20) tapped hole on other end.
- * Can be attached directly to threaded surfaces or base.
- * Length selections: 50.8mm to 254mm (2" to 10") are available.
- * It works only with Isolated Mounted Post Holder 03MHO-series.
- * Aluminum alloy material and black anodized finished.
- * Customized lengths available upon request.

	Model	L	W(kgs)
Metric (mm)	03MPO-2M	50.8	0.02
	03MPO-3M	76.2	0.02
	03MPO-4M	101.6	0.03
	03MPO-6M	152.4	0.05
	03MPO-10M	254	0.08
English (inch)	03MPO-2	2	0.02
	03MPO-3	3	0.02
	03MPO-4	4	0.03
	03MPO-6	6	0.05
	03MPO-10	10	0.08

Isolated Mounted Post Holder



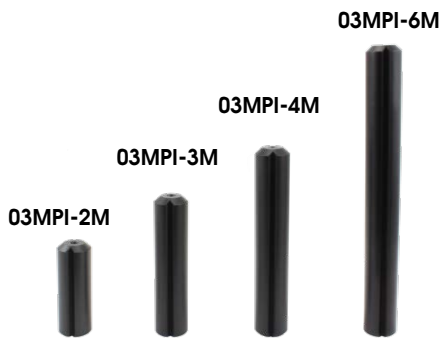
03MHO-Series



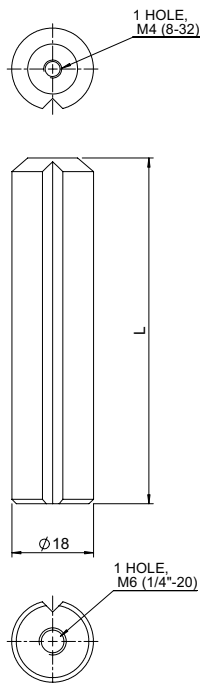
- * With M6 (1/4-20) tapped hole on the bottom end, these isolated mounted post holders are easy to attach on either bases, tables or breadboards.
- * All Isolated mounted post holders are equipped with a tip thumbscrew to secure Isolated mounted post in position.
- * The combination of various Isolated mounted post holders with Isolated mounted posts of different lengths makes it possible to meet the applications' height.
- * The azimuth also can be designated with the thumbscrew in the bottom of Isolated mounted holder.
- * Inner Dia. 12.7mm (0.5") , outer diameter 25mm.
- * Length selections: 50.8mm, 76.2mm and 101.6mm (2", 3" and 4") are available.
- * It works only with Isolated Mounted Post 03MPO-series.
- * Bottom of Isolated mounted Holder can be rotated 360° and locked for optical axis alignment.

	Model	L	W(kgs)
Metric (mm)	03MHO-2M	50.8	0.06
	03MHO-3M	76.2	0.08
	03MHO-4M	101.6	0.11
English (inch)	03MHO-2	2	0.06
	03MHO-3	3	0.08
	03MHO-4	4	0.11

Large Isolated Mounted Post



03MPI-Series



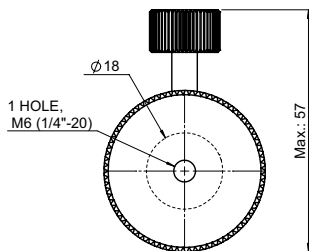
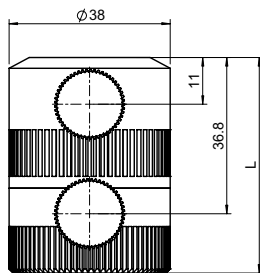
- * These large Isolated mounted posts are threaded at both ends with different taps to provide more flexibility in the mounting process.
- * V-grooved designed ensure that the azimuth is sustained while the elevation is being adjusted.
- * The azimuth also can be designated with the thumbscrew in the bottom of Isolated mounted holder.
- * Large Isolated mounted Post 18mm (0.7") diameter.
- * M4 (8-32) tapped hole on one end; M6 (1/4-20) tapped hole on other end.
- * Can be attached directly to threaded surfaces or base.
- * Length selections: 50.8mm to 152.4mm (2" to 6") are available.
- * It works only with Isolated Mounted Post Holder 03MHI-series.
- * Aluminum alloy material and black anodized finished.
- * Customized lengths available upon request.

	Model	L	W(kgs)
Metric (mm)	03MPI-2M	50.8	0.03
	03MPI-3M	76.2	0.05
	03MPI-4M	101.6	0.07
	03MPI-6M	152.4	0.10
English (inch)	03MPI-2	2	0.03
	03MPI-3	3	0.05
	03MPI-4	4	0.07
	03MPI-6	6	0.10

Large Isolated Mounted Post Holder

















03MHI-Series



- * With M6 (1/4-20) tapped hole on the bottom end, these isolated mounted post holders are easy to attach on either bases, tables or breadboards.
- * All Isolated mounted post holders are equipped with a tip thumbscrew to secure Isolated mounted post in position.
- * The combination of various Isolated mounted post holders with Isolated mounted posts of different lengths makes it possible to meet the applications' height.
- * The azimuth also can be designated with the thumbscrew in the bottom of Isolated mounted holder.
- * Inner Dia. 18mm, outer diameter 38mm.
- * Length selections: 50.8mm, 76.2mm and 101.6mm (2", 3" and 4") are available.
- * It works only with Isolated Mounted Post 03MPI-series.
- * Bottom of Isolated mounted Holder can be rotated 360° and locked for optical axis alignment.

	Model	L	W(kgs)
Metric (mm)	03MHI-2M	50.8	0.13
	03MHI-3M	76.2	0.19
	03MHI-4M	101.6	0.25
English (inch)	03MHI-2	2	0.13
	03MHI-3	3	0.19
	03MHI-4	4	0.25


Mirror Mount Selection Guide

Series			Optic Diameters	Screw Type	Page
Model		Product Name			
 54UPM-0.5(M)	54UPM-0.5(M)	Miniature Ultra Precision Mirror Mount	12.7mm (0.5")	8-80 Thumbscrew	Page 53
  04VMT-0.5M-H 04VMT-1M-H	04VMT-0.5M-H 04VMT-1M-H	Top-Adjustable Hex Drive Mirror Mount	12.7mm (0.5") 25.4mm (1")	M6x0.25mm	Page 65
  04VMT-0.5M 04VMT-1M	04VMT-0.5M 04VMT-1M	Top-Adjustable Mirror Mount	12.7mm (0.5") 25.4mm (1")	M6x0.25mm Thumbscrew	Page 66
 04DMM-1(M)	04DMM-1(M)	Double Optics Mount	20mm 25.4mm (1")	M6x0.25mm Thumbscrew	Page 73
 54MMT-1M	54MMT-1M	Miniature Mirror Mount	25.4mm (1")	M4x0.25mm Thumbscrew	Page 57
 04UPM-1(M)-H	04UPM-1(M)-H	Hex Drive Ultra High Precision Mirror Mount"	25.4mm (1")	M6x0.25mm	Page 54
 04CPM-1(M)-H	04CPM-1(M)-H	Pint-Sized Hex Drive Mirror Mount	25.4mm (1")	M6x0.25mm	Page 56
 04PMS-1(M)-H	04PMS-1(M)-H	Hex Drive Precision Mirror Mount	25.4mm (1")	M6x0.25mm	Page 61
 04PMT-1(M)-H	04PMT-1(M)-H	Hex Drive Precision Mirror Mount	25.4mm (1")	M6x0.25mm	Page 62
 04CMT-1(M)	04CMT-1(M)	Corner Optic Mount	25.4mm (1")	M6x0.25mm Thumbscrew	Page 67
  04EMT-1L(M) 04EMT-1R(M)	04EMT-1L(M) 04EMT-1R(M)	Edge Clearance Optics Mount	25.4mm (1")	M6x0.25mm Thumbscrew	Page 68

Mirror Mount Selection Guide

Series			Optic Diameters	Screw Type	Page
Model		Product Name			
 04QMT-1(M)	04QMT-1(M)	Quardant Aperture Optics Mount	25.4mm (1")	M6x0.25mm Thumbscrew	Page 69
 04AOP-1M	04AOP-1M	Adjustable Optics Positioner	25.4mm (1")	M6x0.25mm Thumbscrew	Page 75
 04MOM-1M-XY	04MOM-1M-XY	XY Translation Mount	25.4mm (1")	M4x0.25mm Thumbscrew	Page 76
 04AMF-1M	04AMF-1M	Auxiliary Mirror Mount	25.4mm (1")	None	Page 72
 04RSM-1(M)	04RSM-1(M)	Round/Square Quadant Optics Mount"	25.4mm (1"" 25.4mmx25.4mm (1"x1")	M6x0.25mm Thumbscrew	Page 70
 04IMT-1(M) 04IMT-2(M)	04IMT-1(M) 04IMT-2(M)	Industrial Grade Retaining Ring Optics Mount"	25.4mm (1"" 50.8mm (2""	M6x0.25mm Thumbscrew	Page 58
 04RMT-1(M) 04RMT-2(M)	04RMT-1(M) 04RMT-2(M)	Retaining Ring Optics Mount	25.4mm (1"" 50.8mm (2""	M6x0.25mm Thumbscrew	Page 59,60
 04UPM-1(M) 04UPM-2(M)	04UPM-1(M) 04UPM-2(M)	Ultra High Precision Mirror Mount	25.4mm (1"" 50.8mm (2""	M6x0.25mm Thumbscrew	Page 55
 04PMT-1(M) 04PMT-2(M)	04PMT-1(M) 04PMT-2(M)	Precision Mirror Mount	25.4mm (1"" 50.8mm (2""	M6x0.25mm Thumbscrew	Page 63,64
 04UPM-3(M) 04UPM-4(M)	04UPM-3(M) 04UPM-4(M)	Ultra Precision Quadrant Optics Mount"	25.4mm (1"" 50.8mm (2""	M6x0.25mm Thumbscrew	Page 71
 04MOM-1(M) 04MOM-2(M)	04MOM-1(M) 04MOM-2(M)	XYZ θ x θ y Axis Adjustable Optics Mount"	25.4mm (1"" 50.8mm (2""	8-80 Thumbscrew	Page 77

Mirror Mount Selection Guide

Series			Optic Diameters	Screw Type	Page
Model		Product Name			
 04KMT-2M	04KMT-2M	Three Pawl Optics Mount	50.8mm (2")	M6x0.25mm Thumbscrew	Page 74

Breadboards

Optical Tables

Optical Rails

Bases / Clamps

Posts / Holders

Optical Mounts

Tilt Platforms



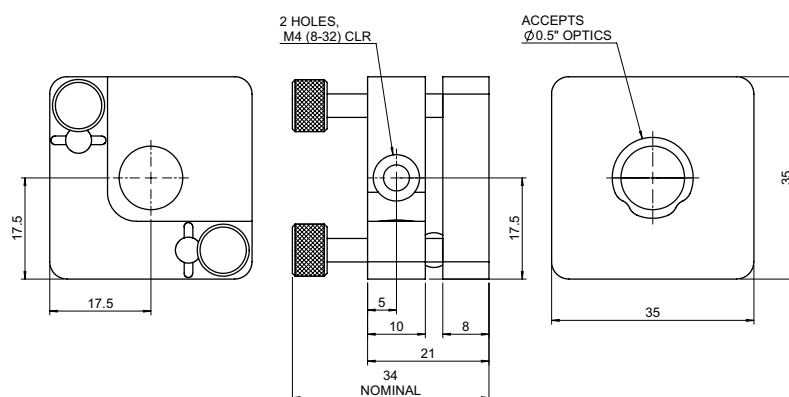
Miniature Ultra Precision Mirror Mount



54UPM-0.5(M)

- * Metric and English both available.
- * High resolution position adjustment with ensured stability.
- * Good repeatability and durability.
- * Steel ball contact with a abrasion-resistant sapphire seats.
- * Tilt and Azimuth Motion driven by 8-80 precision thumbscrew.
- * Very tight tolerance and damping grease between stainless steel precision leadscrew and bushing to form a negligible backlash combination.
- * Stainless steel precision leadscrew and phosphor bronze bushing is an ideal combination provides smooth, wobble-free and long-term stability.
- * Compatible with diameter 12.7mm (0.5") optical components.
- * Tilt adjustment range of $\pm 3.5^\circ$

Model	W(kgs)
54UPM-0.5(M)	0.05



Hex Drive Ultra High Precision Mirror Mount



04UPM-1(M)-H



**04UPM-1(M)-H+07SRN-2
Demo**

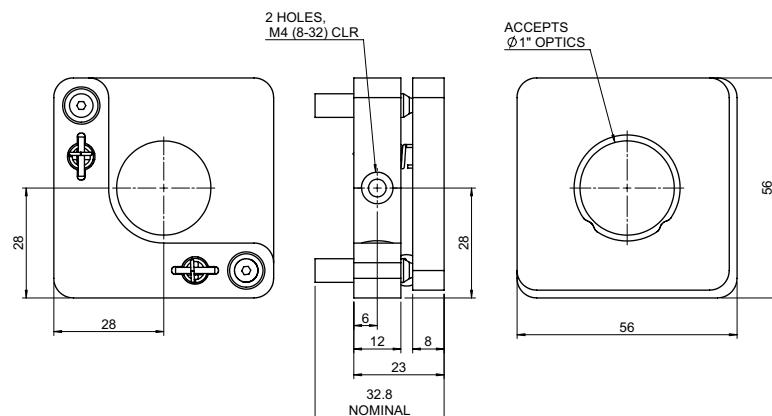


07SRN-2

07SRN-2S

- * Metric and English both available.
- * This mirror mount is precision machined with sapphire seat and tense spring configuration to surpass criteria stability, durability and repeatability.
- * Sapphire seats are used to resist any abrasion from the ball-tipped adjustment screws.
- * Adjustment motion by M6x0.25mm stainless steel hex-head high precision screws.
- * Very tight tolerance and damping grease between stainless steel precision lead screw and bushing to form a negligible backlash combination.
- * Stainless steel precision lead screw and phosphor bronze bushing is an ideal combination provides smooth, wobble-free and long-term stability.
- * Adjustment can be made through Allen key or removable actuator knobs (07SRN-2 or 07SRN-2S).
- * Aperture for 25.4mm (1") diameter optics.
- * Locks the optics by a set screw (the POM included).
- * Two M4 (8-32) clearance mounting holes to allow right- or left-handed operation that provides quicker, precise and secure mounting to posts or pedestal posts.
- * Sapphire seats configuration has highly repeatability and excellent durability for short- and long-term usage.
- * Tilt adjustment range of $\pm 3.5^\circ$.
- * Adjustment screws ball-tipped contact with hardened sapphire seat.
- * Removable actuator knobs (07SRN-2 or 07SRN-2S) sold separately.

Model	W(kgs)
04UPM-1(M)-H	0.11



Ultra High Precision Mirror Mount



04UPM-1(M)

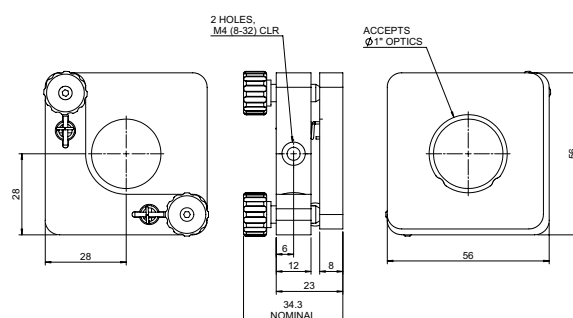


04UPM-2(M)

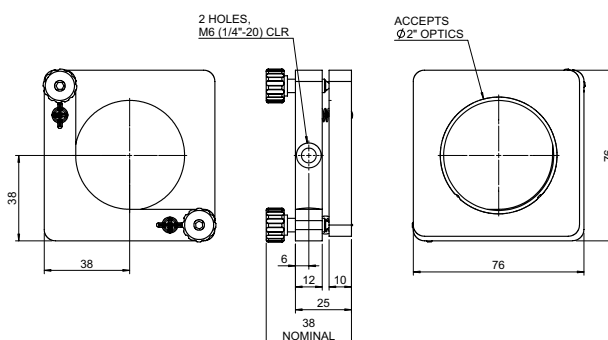
- * Metric and English both available.
- * This mirror mount is precision machined with sapphire seat and tense spring configuration to surpass criteria stability, durability and repeatability.
- * Sapphire seats are used to resist any abrasion from the ball-tipped adjustment screws.
- * Adjustment motion by M6x0.25mm stainless steel high precision thumbscrews.
- * Very tight tolerance and damping grease between stainless steel precision lead screw and bushing to form a negligible backlash combination.
- * Stainless steel precision lead screw and phosphor bronze bushing is an ideal combination provides smooth, wobble-free and long-term stability.
- * Aperture for 25.4mm (1") or 50.8mm (2") diameter optics.
- * Two M4 (8-32) clearance mounting holes to allow right- or left-handed operation that provides quicker, precise and secure mounting to posts or pedestal posts.
- * Locks the optics by a set screw (the POM included).
- * Sapphire seats configuration has highly repeatability and excellent durability for short- and long-term usage.
- * Tilt adjustment range of $\pm 3.5^\circ$.
- * Adjustment screws ball-tipped contact with hardened sapphire seat.

Model	W(kgs)
04UPM-1(M)	0.11
04UPM-2(M)	0.18

04UPM-1(M)



04UPM-2(M)



Pint-Sized Hex Drive Mirror Mount



04CPM-1(M)-H



**04CPM-1(M)-H+07SRN-3
Demo**

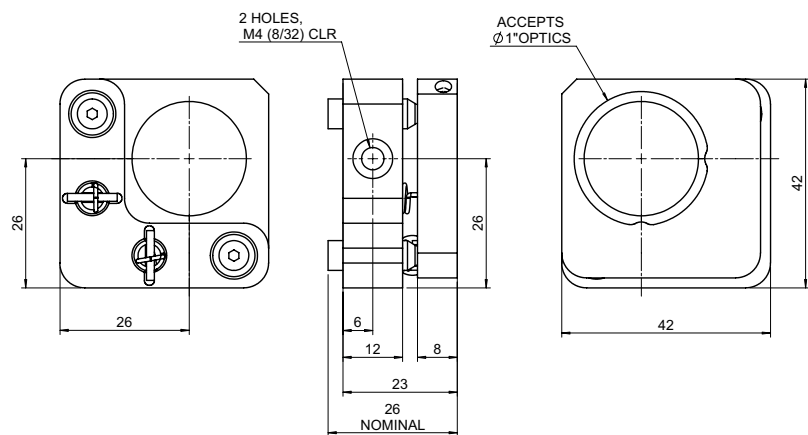


07SRN-3

07SRN-3S

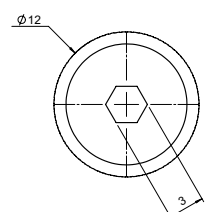
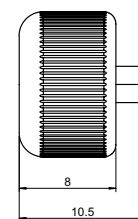
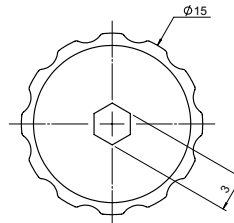
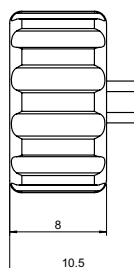
- * Metric and English both available.
- * Compact and sturdy design for saving space.
- * Sapphire seats are used to resist any abrasion from the ball-tipped adjustment screws.
- * Adjustment motion by M6x0.25mm stainless steel hex-head high precision screws.
- * Very tight tolerance and damping grease between stainless steel precision lead screw and bushing to form a negligible backlash combination.
- * Stainless steel precision lead screw and phosphor bronze bushing is an ideal combination provides smooth, wobble-free and long-term stability.
- * Tilt adjustment range of $\pm 3.5^\circ$.
- * Aperture for 25.4mm (1") diameter optics.
- * Locks the optics by a set screw (the POM included)
- * Removable actuator knobs 07SRN-3 and 07SRN-3S can be operated while Allen key is not available.
- * Sapphire seats configuration has highly repeatability and excellent durability for short- and long-term usage.
- * Adjustment screws ball-tipped contact with hardened sapphire seat.
- * Removable actuator knobs (07SRN-3 or 07SRN-3S) sold separately.

Model	W(kgs)
04CPM-1(M)-H	0.07



07SRN-3

07SRN-3S



Miniature Mirror Mount



54MMT-1M



54MMA-1M

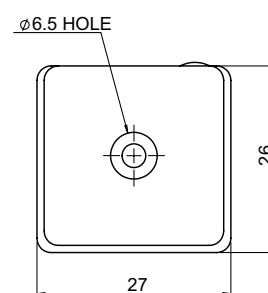
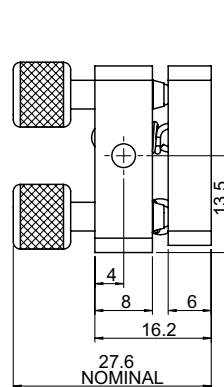
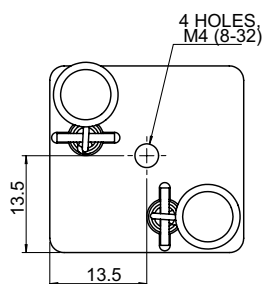


**54MMT-1M+54MMA-1M
Demo**

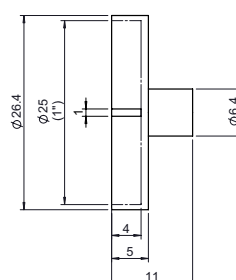
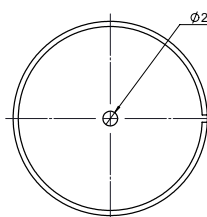
- * With an easy-to install optical adaptor 54MMA-1M, an economic prism mount 54MMT-1M can be converted into a stable-mounting platform for 25.4mm (1") mirrors.
- * Two independent thumbscrews are provided on this miniature mirror mount to assist beam aligning.
- * M4 (8-32) tapped holes on three sides to increase flexible for mounting on optom-echanism.
- * Combined with stainless steel M4x0.25mm precise thumbscrews and strong tension spring to provide the best stability.
- * Stainless steel precision screw and phosphor bronze bushing is an ideal combination provides smooth, wobble-free and long-term stability.
- * Very tight tolerance and damping grease between stainless steel precision screw and bushing to form a negligible backlash combination.
- * Tilt/tip adjustment range $\pm 4^\circ$
- * 54MMA-1M is sold separately.

	Model	W(kgs)
Metric (mm)	54MMT-1M	0.04
	54MMA-1M	0.001
English (inch)	54MMT-1	0.04
	54MMA-1	0.001

54MMT-1M



54MMA-1M



Industrial Grade Mirror Mount



04IMT-1(M)

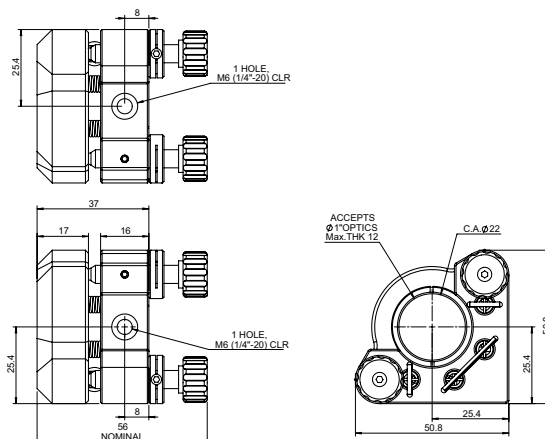


04IMT-2(M)

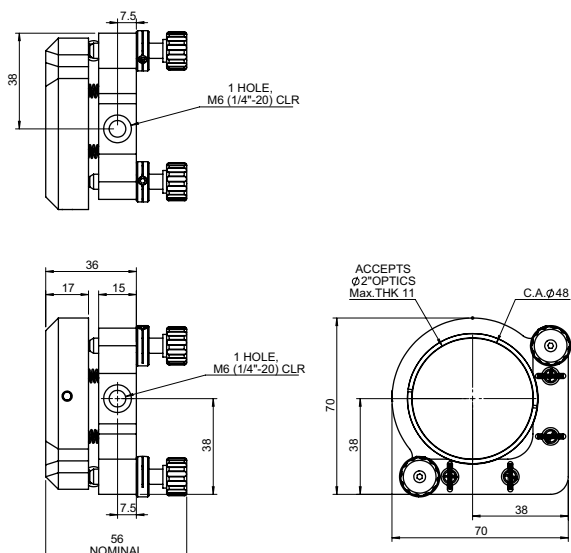
- * Metric and English both available.
- * Tilt adjustment range of $\pm 3.5^\circ$.
- * To ensure same one reflect plane no matter optics thickness.
- * Adjustment motion by M6x0.25mm stainless steel high precision thumb-screws.
- * Side-Lock screws to prevent from turning when move to desire position.
- * Strong force springs to increase long term stability.
- * Two M6 (1/4-20) thread hole and M4 (8-32) clearance mounting holes to allow right- or left-handed operation.
- * Material: Aluminum, black anodized.

Model	Optics			Retaining Ring	W(kgs)
	C.A.	Dia.	Tilt Range	Max. Thickness	
04IMT-1(M)	22 mm	25.4 mm (1")	$\pm 3.5^\circ$	12 mm	1.035"-40
04IMT-2(M)	48 mm	50.8 mm (2")	$\pm 3.5^\circ$	11 mm	2.035"-40

04IMT-1(M)



04IMT-2(M)



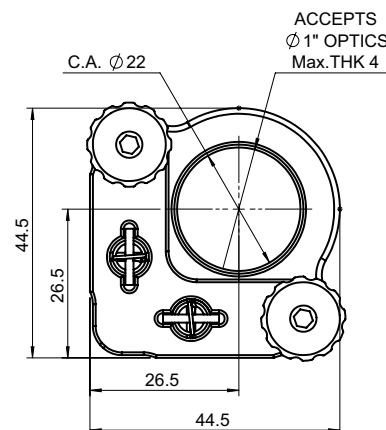
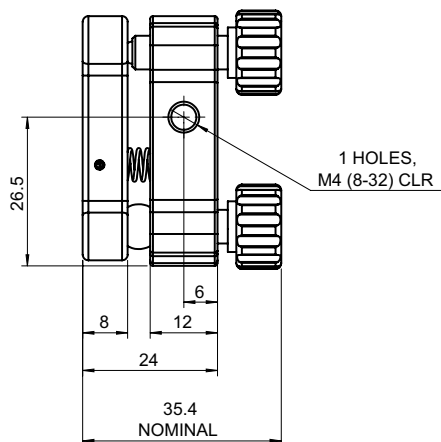
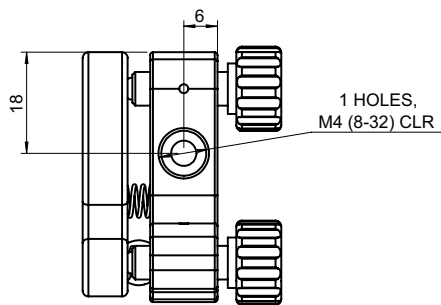
Retaining Ring Optics Mount for 25.4mm Optics



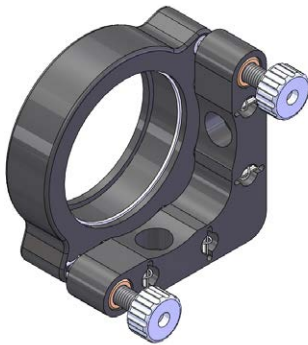
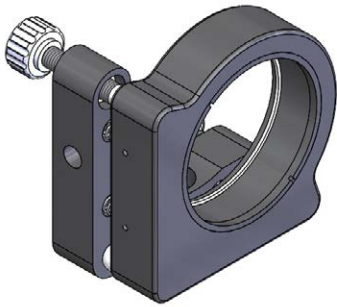
- * Metric and English both available.
- * 25.4mm (1") optic held firmly in place with a retaining ring 1.035"- 40.
- * Special for thin 25.4mm (1") diameter optics.
- * Adjustment motion by M6x0.25mm stainless steel high precision thumbscrews.
- * Very tight tolerance and damping grease between stainless steel precision lead screw and bushing to form a negligible backlash combination.
- * Stainless steel precision lead screw and phosphor bronze bushing is an ideal combination provides smooth, wobble-free and long-term stability.
- * Two stainless steel pins as a cost-effective guide for smooth adjustment.
- * Two M4 (8-32) clearance mounting holes to allow right- or left-handed operation that provides quicker, precise and secure mounting to posts or pedestal posts.
- * Maximize thickness: 4 mm optics.
- * Tilt adjustment range of $\pm 3.5^\circ$.

Model	W(kgs)
04RMT-1(M)	0.08

04RMT-1(M)



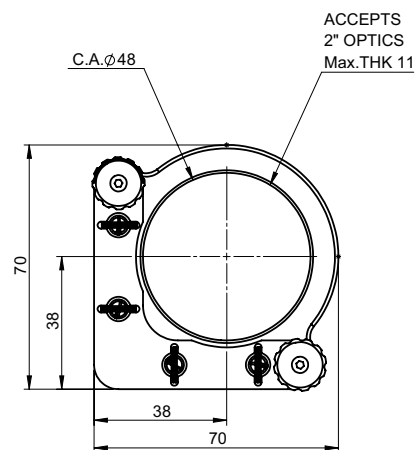
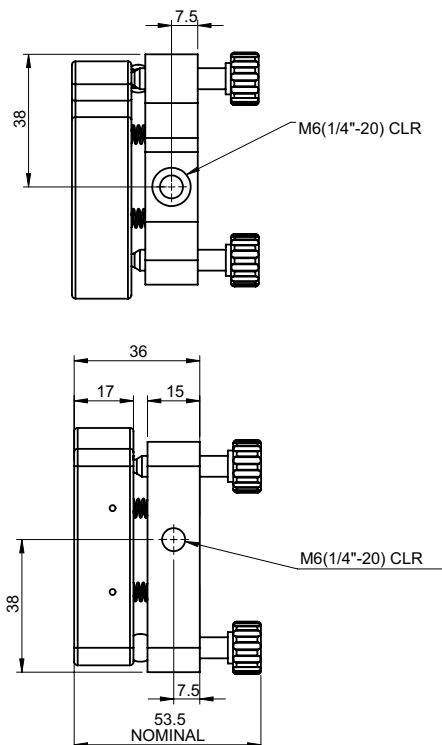
Retaining Ring Optics Mount for 50.8mm Optics



04RMT-2(M)

- * Metric and English both available.
- * 50.8mm (2") optic held firmly in place with a retaining ring 2.035"- 40.
- * Special for thin 50.8mm (2") diameter optics.
- * Adjustment motion by M6x0.25mm stainless steel high precision thumbscrews.
- * Very tight tolerance and damping grease between stainless steel precision lead screw and bushing to form a negligible backlash combination.
- * Stainless steel precision lead screw and phosphor bronze bushing is an ideal combination provides smooth, wobble-free and long-term stability.
- * Two stainless steel pins as a cost-effective guide for smooth adjustment.
- * Two M6 (1/4"-20) clearance mounting holes to allow right- or left-handed operation that provides quicker, precise and secure mounting to posts or pedestal posts.
- * Maximize thickness: 4 mm optics.
- * Tilt adjustment range of $\pm 3.5^\circ$

Model	W(kgs)
04RMT-2(M)	0.18



Hex Drive Precision Mirror Mount



04PMS-1(M)-H



04PMS-1(M)-H+07SRN-3 Demo



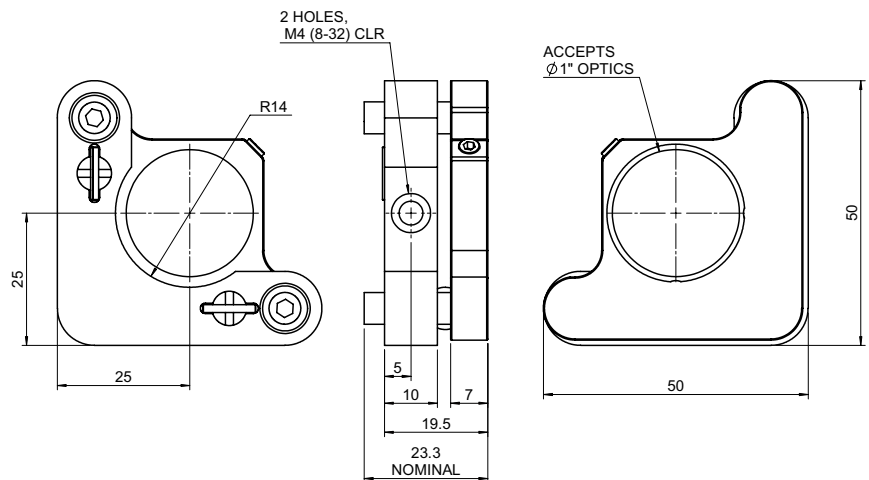
07SRN-3

07SRN-3S

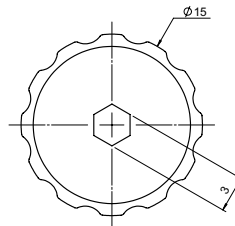
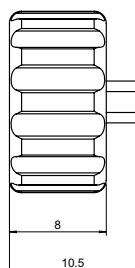
- * Metric and English both available.
- * Precision design with strong spring loading is selected to ensure the stability of position adjustment.
- * Adjustment motion by M6x0.25mm high precision hex head screws.
- * Very tight tolerance and damping grease between stainless steel precision hex screw and bushing to form a negligible backlash combination.
- * Stainless steel precision lead screw and phosphor bronze bushing is an ideal combination provides smooth, wobble-free and long-term stability.
- * Use two stainless steel pins as a cost effective guide for smooth adjustment.
- * Adjustment can be made through hex wrench or removable threaded knobs (07SRN-3 or 07SRN-3S).
- * Removable knobs 07SRN-3 and 07SRN-3S can be operated by hand.
- * Two M4 (8-32) clearance mounting holes to allow right- or left-handed operation that provides quicker, precise and secure mounting to posts or pedestal posts.
- * Applicable to optical elements within 25.4mm (1") diameter and 5mm thickness.
- * Containing POM socket set screws to fix optical component
- * Tilt adjustment range of $\pm 3^\circ$.
- * Removable knobs (07SRN-3 or 07SRN-3S) is sold separately.

Model	W(kgs)
04PMS-1(M)-H	0.07

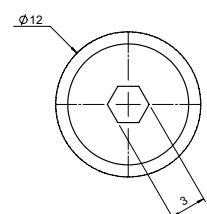
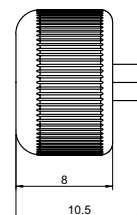
04PMS-1(M)-H



07SRN-3



07SRN-3S



Hex Drive Precision Mirror Mount



04PMT-1(M)-H



**04PMT-1(M)-H+07SRN-2
Demo**



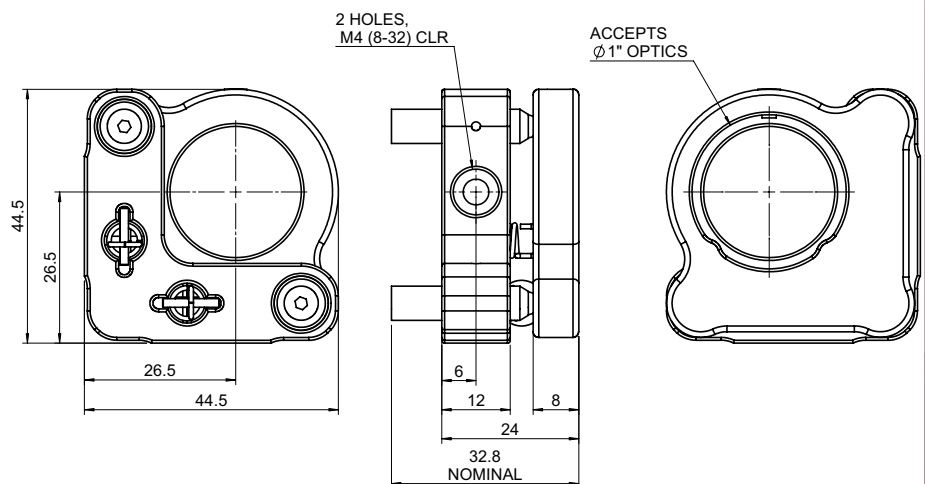
07SRN-2

07SRN-2S

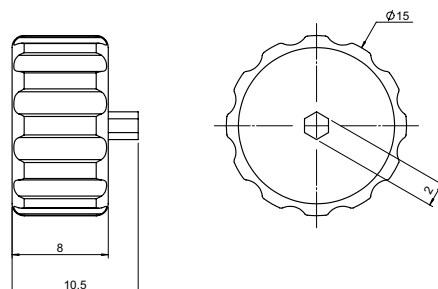
- * Metric and English both available.
- * 04PMT-1(M)-H is precision machined at all points to ensure stability when high-resolution position adjustment is required.
- * Adjustment motion by M6x0.25mm stainless steel hex-head high precision screws.
- * Very tight tolerance and damping grease between stainless steel precision lead screw and bushing to form a negligible backlash combination.
- * Stainless steel precision lead screw and phosphor bronze bushing is an ideal combination provides smooth, wobble-free and long-term stability.
- * Two stainless steel pins as a cost-effective guide for smooth adjustment.
- * Adjustment can be made through Allen key or removable actuator knobs (07SRN-2 or 07SRN-2S).
- * Removable actuator knobs 07SRN-2 and 07SRN-2S can be operated while hex wrench is not available.
- * Two M4 (8-32) clearance mounting holes to allow right- or left-handed operation that provides quicker, precise and secure mounting to posts or pedestal posts.
- * Aperture for 25.4mm (1") diameter optics.
- * Locks the optics by a set screw (the POM included).
- * Tilt adjustment range of $\pm 3.5^\circ$.
- * Removable actuator knobs (07SRN-2 or 07SRN-2S) sold separately.

Model	W(kgs)
04PMT-1(M)-H	0.07

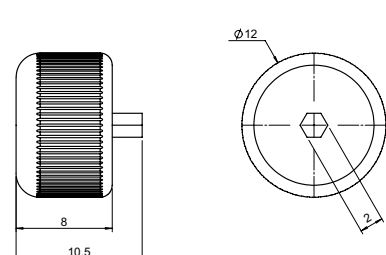
04PMT-1(M)-H



07SRN-2



07SRN-2S



Precision Mirror Mount

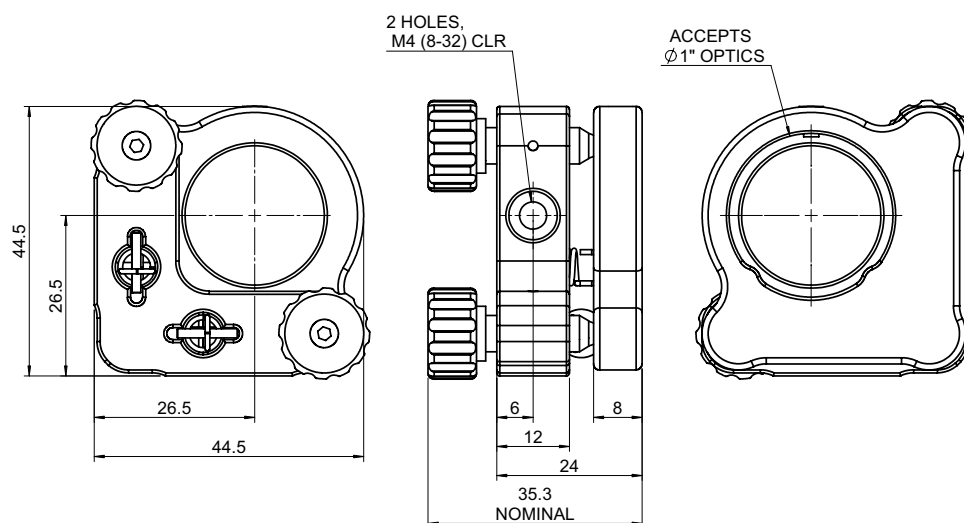


- * Metric and English both available.
- * Precision design with strong spring loading is selected to ensure the stability of position adjustment.
- * Adjustment motion by M6x0.25mm stainless steel high precision thumbscrews.
- * Very tight tolerance and damping grease between stainless steel precision lead screw and bushing to form a negligible backlash combination.
- * Stainless steel precision lead screw and phosphor bronze bushing is an ideal combination provides smooth, wobble-free and long-term stability.
- * Two stainless steel pins as a cost-effective guide for smooth adjustment.
- * Two M4 (8-32) clearance mounting holes to allow right- or left-handed operation that provides quicker, precise and secure mounting to posts or pedestal posts.
- * Aperture for 25.4mm (1") diameter optics.
- * Locks the optics by a set screw (the POM included).
- * Tilt adjustment range of $\pm 3.5^\circ$.
- * Ideal for general purpose application.

04PMT-1(M)

Model	W(kgs)
04PMT-1(M)	0.08

04PMT-1(M)



Precision Mirror Mount

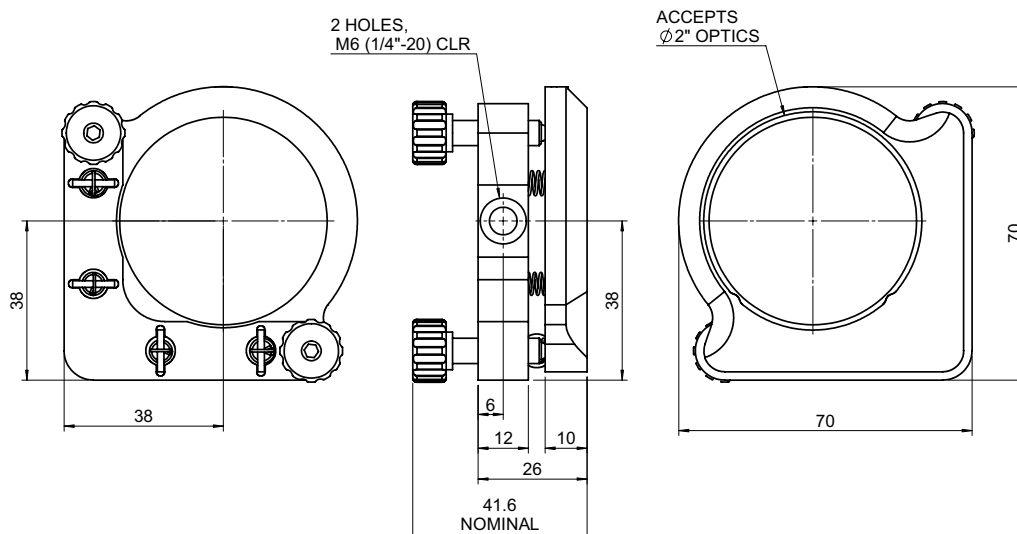


04PMT-2(M)

- * Metric and English both available.
- * Precision design with strong spring loading is selected to ensure the stability of position adjustment.
- * Adjustment motion by M6x0.25mm stainless steel high precision thumbscrews.
- * Very tight tolerance and damping grease between stainless steel precision lead screw and bushing to form a negligible backlash combination.
- * Stainless steel precision lead screw and phosphor bronze bushing is an ideal combination provides smooth, wobble-free and long-term stability.
- * Two stainless steel pins as a cost-effective guide for smooth adjustment.
- * Two M6 (1/4-20) clearance mounting holes to allow right- or left-handed operation that provides quicker, precise and secure mounting to posts or pedestal posts.
- * Aperture for 50.8mm (2") diameter optics.
- * Locks the optics by a set screw (the POM included).
- * Tilt adjustment range of $\pm 3.5^\circ$.
- * Ideal for general purpose application.

Model	W(kgs)
04PMT-2(M)	0.13

04PMT-2(M)



Top-Adjustable Hex Drive Mirror Mount

- * Adjustment motion by M6x0.25mm stainless steel hex-head high precision screws.
- * Very tight tolerance and damping grease between stainless steel precision lead screw and bushing to form a negligible backlash combination.
- * Stainless steel precision lead screw and phosphor bronze bushing is an ideal combination provides smooth, wobble-free and long-term stability.
- * Top adjustment hex-head screw to save space.
- * Ball-and-wedge drive mechanism enhances the overall performance of the optical mount to ensure stability and repeatability for both short- and long-term.
- * Tilt adjustment range of $\pm 3.5^\circ$.
- * Aperture for 12.7mm (0.5") and 25.4mm (1") diameter optics selection.
- * Bottom plate is removable while space is limited.
- * Precision adjustment can be made through Allen key or removable actuator knobs (07SRN-3 or 07SRN-3S) on M6x0.25mm stainless steel screw.
- * Removable actuator knobs (07SRN-3 or 07SRN-3S) sold separately.
- * Other diameter optics upon request.



04VMT-0.5M-H



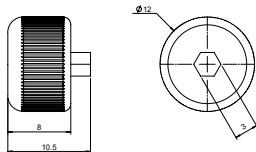
04VMT-1M-H



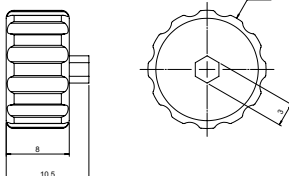
07SRN-3

07SRN-3S

07SRN-3S

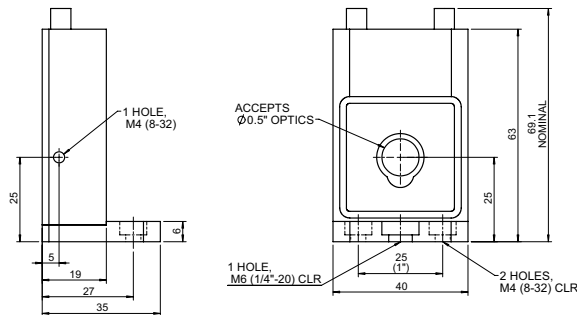


07SRN-3

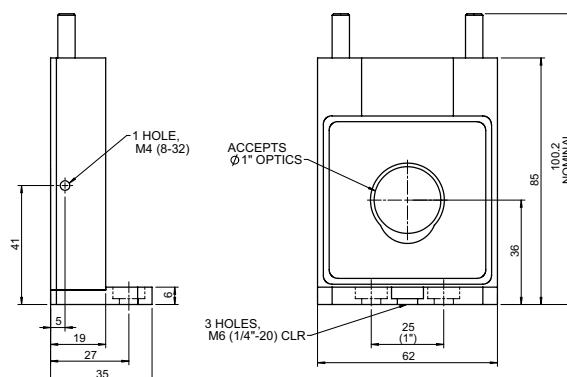


	Model	Dia.	W(kgs)
Metric (mm)	04VMT-0.5M-H	12.7	0.12
	04VMT-1M-H	25.4	0.22
English (inch)	04VMT-0.5-H	0.5	0.12
	04VMT-1-H	1	0.22

04VMT-0.5M-H



04VMT-1M-H



Top-Adjustable Mirror Mount



04VMT-0.5M

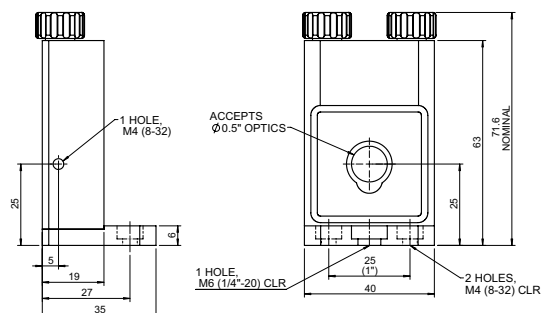


04VMT-1M

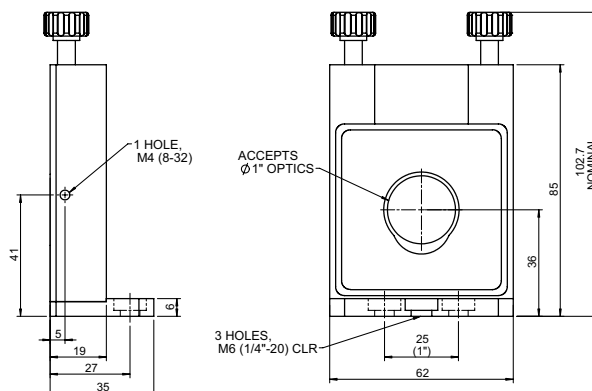
- * Adjustment motion by M6x0.25mm stainless steel high precision thumbscrews.
- * Very tight tolerance and damping grease between stainless steel precision lead screw and bushing to form a negligible backlash combination.
- * Stainless steel precision lead screw and phosphor bronze bushing is an ideal combination provides smooth, wobble-free and long-term stability.
- * Top adjustment thumbscrews to save space.
- * Ball-and-wedge drive mechanism enhances the overall performance of the optical mount to ensure stability and repeatability for both short- and long-term.
- * Tilt adjustment range of $\pm 3.5^\circ$
- * Aperture for 12.7mm (0.5") and 25.4mm (1") diameter optics selection.
- * Bottom plate is removable while space is limited.
- * Optics mount for other diameter optics upon request.

	Model	Dia.	W(kgs)
Metric (mm)	04VMT-0.5M	12.7	0.13
	04VMT-1M	25.4	0.23
English (inch)	04VMT-0.5	0.5	0.13
	04VMT-1	1	0.23

04VMT-0.5M



04VMT-1M



Corner Optics Mount

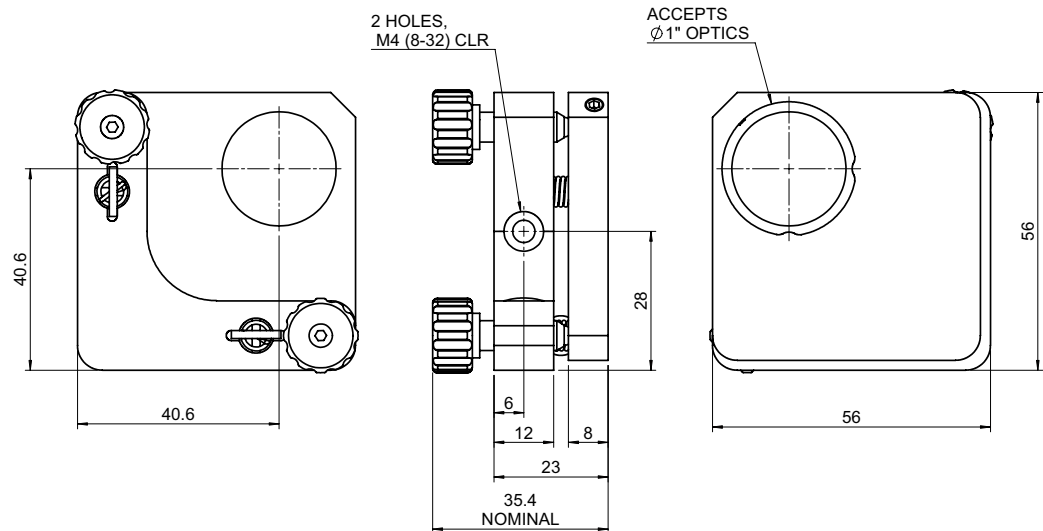


04CMT-1(M)

- * Metric and English both available.
- * The corner-mounting design is provided for the application that the regular optics mount is not in small space.
- * Precision design with strong spring loading is selected to surpass criteria for repeatability and durability.
- * Adjustment motion by M6x0.25mm stainless steel high precision thumbscrews.
- * Very tight tolerance and damping grease between stainless steel precision lead screw and bushing to form a negligible backlash combination.
- * Stainless steel precision lead screw and phosphor bronze bushing is an ideal combination provides smooth, wobble-free and long-term stability.
- * Stainless steel pins guides enable smooth, repeatable motion.
- * Two M4 (8-32) clearance mounting holes to allow right- or left-handed operation that provides quicker, precise and secure mounting to posts or pedestal posts.
- * Aperture for 25.4mm (1") diameter optics.
- * Locks the optics by a set screw (the POM included).
- * Tilt adjustment range of $\pm 3.5^\circ$.

Model	W(kgs)
04CMT-1(M)	0.12

04CMT-1(M)



Edge Clearance Optics Mount



04EMT-1L(M)



04EMT-1R(M)

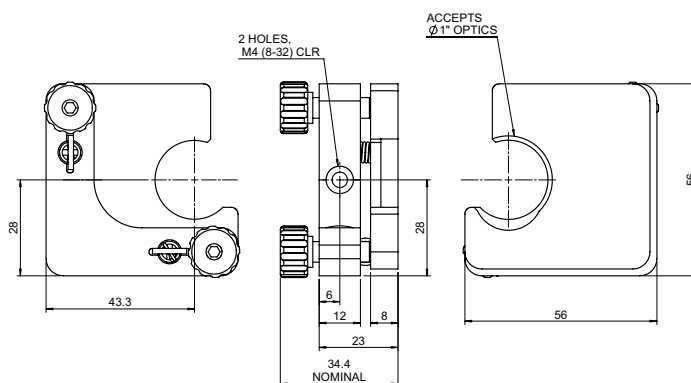


04EMT-Series

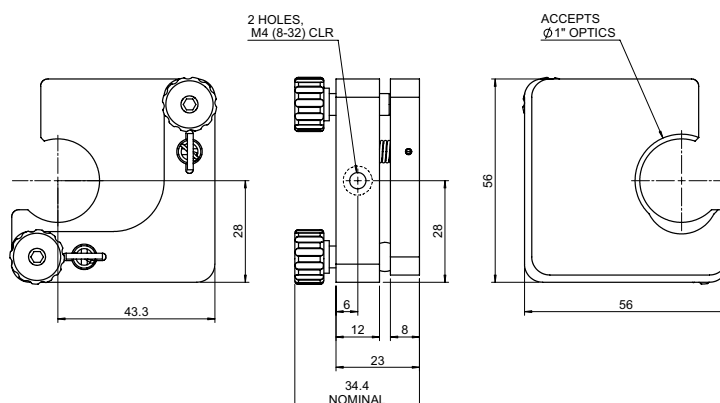
- * Metric and English both available.
- * These specific models are designed for special applications that need a beam very close edge or side trace.
- * The combination of the right clear type and left clear type can be used to design an application which needs two very close incidents or beams traces.
- * Adjustment motion by M6x0.25mm stainless steel high precision thumbscrews.
- * Very tight tolerance and damping grease between stainless steel precision lead screw and bushing to form a negligible backlash combination.
- * Stainless steel precision lead screw and phosphor bronze bushing is an ideal combination provides smooth, wobble-free and long-term stability.
- * Two stainless steel pins as a cost-effective guide for smooth adjustment.
- * Two M4 (8-32) clearance mounting holes to allow right- or left-handed operation that provides quicker, precise and secure mounting to posts or pedestal posts.
- * Aperture for 25.4mm (1") diameter optics.
- * Locks the optics by a set screw (the POM included).
- * Tilt adjustment range of $\pm 3.5^\circ$.
- * Right clear and Left clear types are available.
- * Right clear and Left clear type can both close together.

Model	W(kgs)
04EMT-1L(M)	0.12
04EMT-1R(M)	0.12

04EMT-1L(M)



04EMT-1R(M)



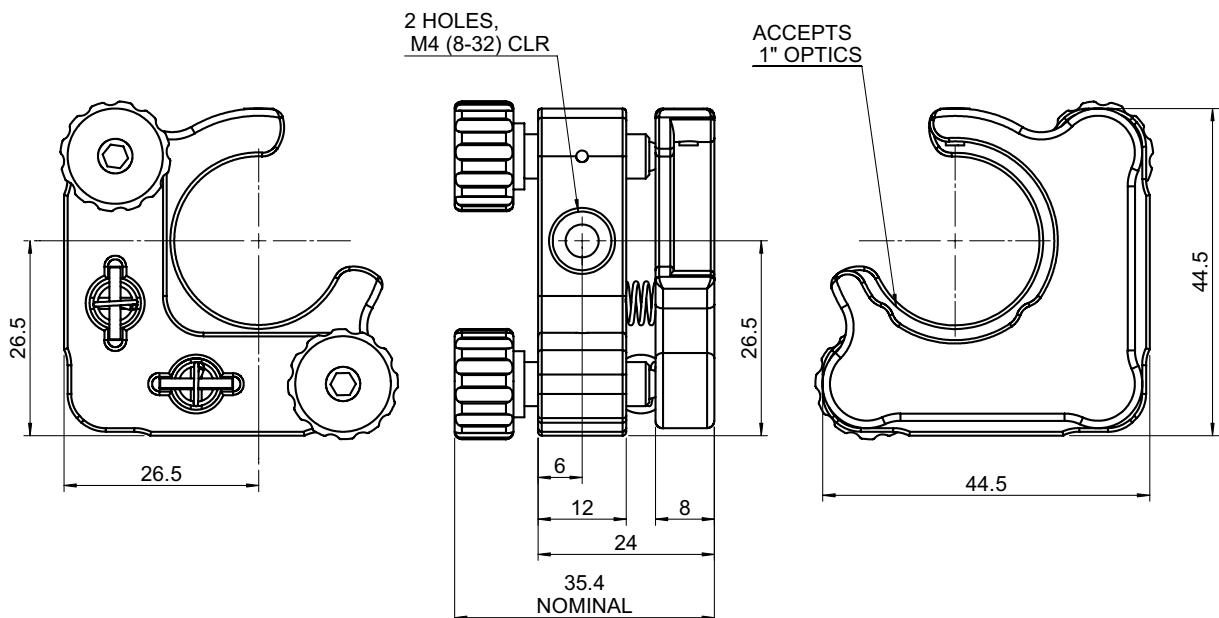
Quadrant Aperture Optics Mount



- * Metric and English both available.
- * This model offers a convenient mounting platform with a corner clearance for any 25mm (1") optics, beamsplitters and other optical components.
- * Adjustment motion by M6x0.25mm stainless steel high precision thumbscrews.
- * Very tight tolerance and damping grease between stainless steel precision lead screw and bushing to form a negligible backlash combination.
- * Stainless steel precision lead screw and phosphor bronze bushing is an ideal combination provides smooth, wobble-free and long-term stability.
- * Two stainless steel pins as a cost-effective guide for smooth adjustment.
- * The corner clearance also reduces the incident angle and minimizes beam distortion.
- * Two M4 (8-32) clearance mounting holes to allow right- or left-handed operation that provides quicker, precise and secure mounting to posts or pedestal posts.
- * Aperture for 25.4mm (1") diameter optics.
- * Locks the optics by a set screw (the POM included).
- * Tilt adjustment range of $\pm 3.5^\circ$.

Model	W(kgs)
04QMT-1(M)	0.08

04QMT-1(M)



Round/Square Quadrant Optics Mount

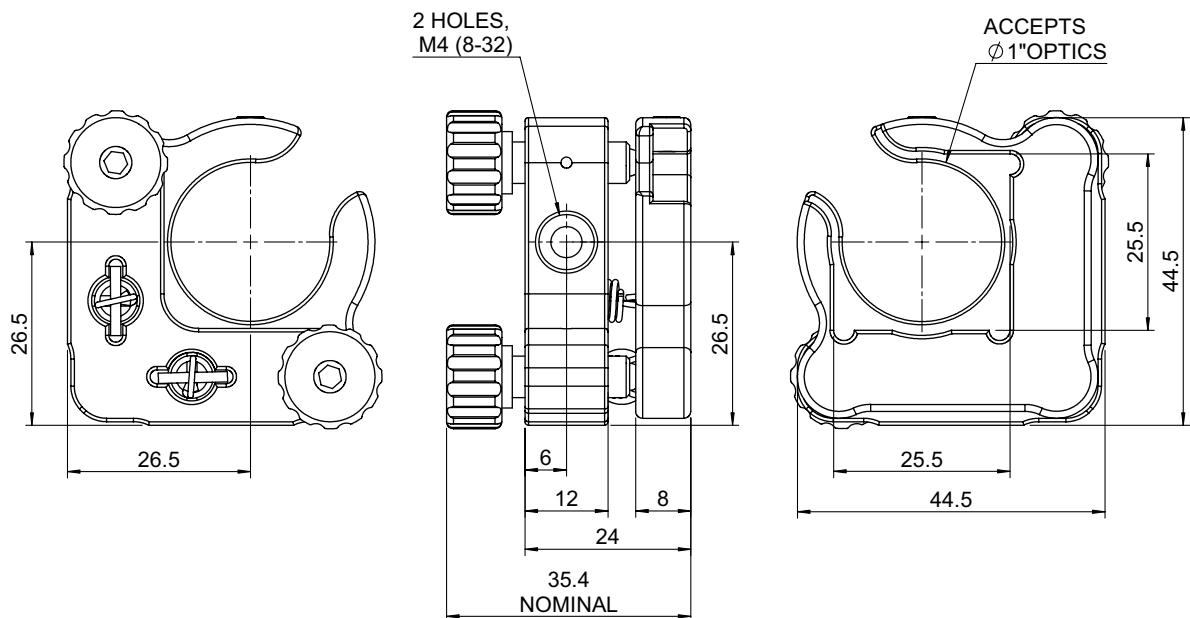


04RSM-1(M)

- * Metric and English both available.
- * This model is similar to 04QMT-1(M), except the mounting form of the optics.
- * This model can mount either the 25.4mm (1") diameter and/or 25.4mm (1") by 25.4mm (1") square grating mirrors optics specially.
- * Adjustment motion by M6x0.25mm stainless steel high precision thumbscrews.
- * Very tight tolerance and damping grease between stainless steel precision lead screw and bushing to form a negligible backlash combination.
- * Stainless steel precision lead screw and phosphor bronze bushing is an ideal combination provides smooth, wobble-free and long-term stability.
- * Two stainless steel pins as a cost-effective guide for smooth adjustment.
- * Two M4 (8-32) clearance mounting holes to allow right- or left-handed operation that provides quicker, precise and secure mounting to posts or pedestal posts.
- * Tilt adjustment range of $\pm 3.5^\circ$.
- * Locks the optics by a set screw (the POM included).

Model	W(kgs)
04RSM-1(M)	0.11

04RSM-1(M)



Ultra Precision Quadrant Optics Mount



04UPM-3(M)



**04UPM-3+04AMF-1M
Demo**

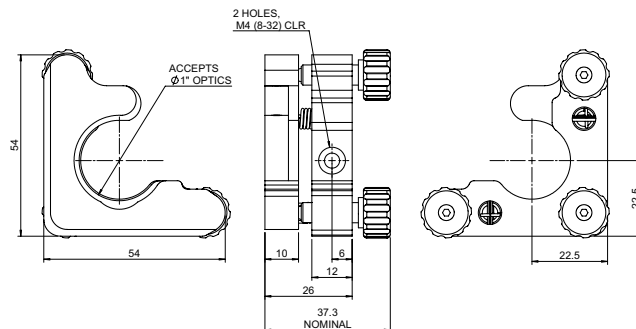


04UPM-4(M)

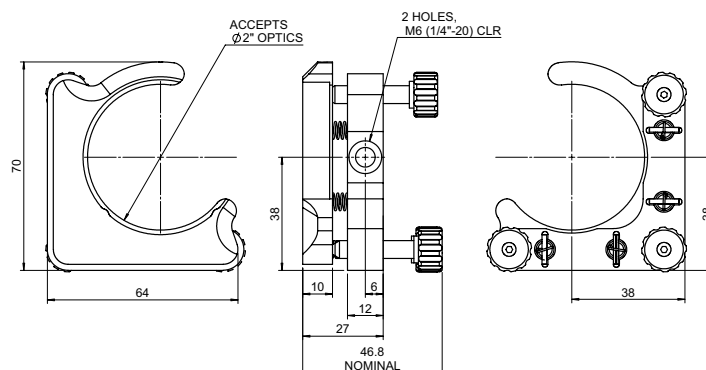
- * Metric and English both available.
- * The ball-tipped thumbscrews sit on a flat sapphire seat to ensure high precision, high stability and ultra durability for the adjustment.
- * Sapphire seats are used to resist any abrasion from the ball-tipped adjustment thumbscrews.
- * Adjustment thumbscrews ball-tipped contact with hardened sapphire seat.
- * Very tight tolerance and damping grease between stainless steel precision lead screw and bushing to form a negligible backlash combination.
- * Stainless steel precision lead screw and phosphor bronze bushing is an ideal combination provides smooth, wobble-free and long-term stability.
- * 04UMP-3(M) is designed for 25.4mm (1") optics and 04UMP-4(M) is designed for 50.8mm (2") optics.
- * Three knob adjustment are provided for Z, θ_x and θ_y direction.
- * Adjustment motion by M6x0.25mm stainless steel high precision thumbscrews.
- * Tilt adjustment range of $\pm 3.5^\circ$.
- * Two M4 (8-32) clearance mounting holes to allow right- or left-handed operation that provides quicker, precise and secure mounting to posts or pedestal posts.
- * C-type designed allows larger incident angle and more flexibility in usage.

Model	Dia.	W(kgs)
04UPM-3(M)	25.4mm	0.10
04UPM-4(M)	50.8mm	0.13

04UPM-3(M)



04UPM-4(M)



Auxiliary Mirror Mount



04AMF-1M

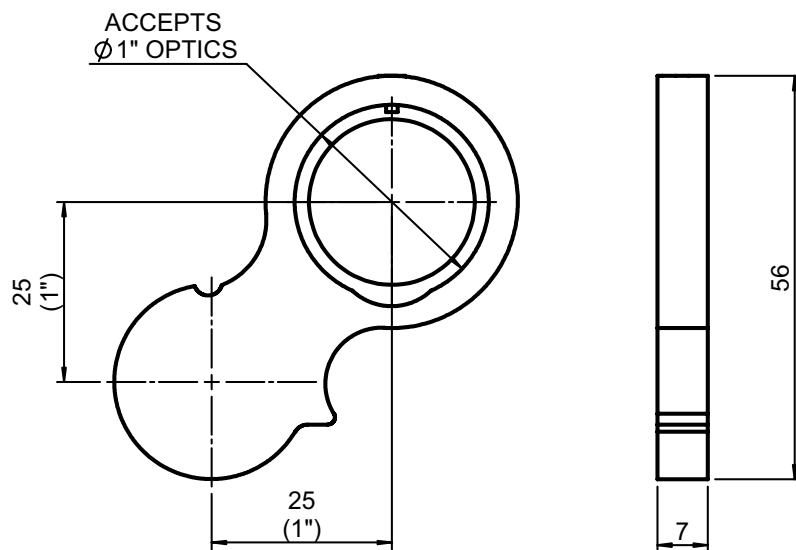


**04UPM-3+04AMF-1M
Demo**

- * Combine with model 04UPM-3(M) for mirror position offset.
- * Allows moving the mirror from the center to the corner in case structures or devices are blocking the center.
- * Can also be quick snap on/off from the 04UPM-3(M) mirror mount.
- * Aperture for 25.4mm (1") diameter optics.
- * Locks the optics by a set screw (the POM included).

	Model	W(kgs)
Metric (mm)	04AMF-1M	0.02
English (inch)	04AMF-1	0.02

04AMF-1M



Double Optics Mount

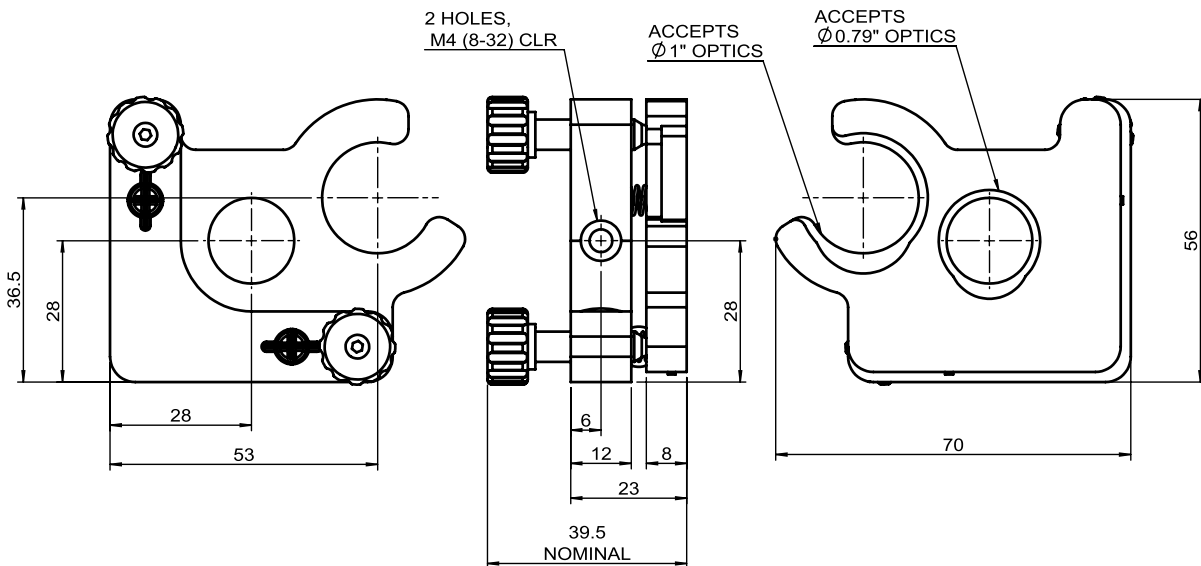


04DMM-1(M)

- * Metric and English both available.
- * This model is a new design for special dual mirror applications.
- * The corner aperture can hold 25.4mm (1") diameter optic and the center one for 20mm (0.79") diameter optic.
- * Locks the optics by a set screw (the POM included).
- * Can be used any one depends on the application.
- * Adjustment motion by M6x0.25mm stainless steel high precision thumbscrews.
- * Very tight tolerance and damping grease between stainless steel precision lead screw and bushing to form a negligible backlash combination.
- * Stainless steel precision lead screw and phosphor bronze bushing is an ideal combination provides smooth, wobble-free and long-term stability.
- * Two stainless steel pins as a cost-effective guide for smooth adjustment.
- * Two M4 (8-32) clearance mounting holes to allow right- or left-handed operation that provides quicker, precise and secure mounting to posts or pedestal posts.
- * Clear Quadrant Design allowing beams to pass close to the edge of a mounted optic.
- * Tilt adjustment range of $\pm 3.5^\circ$.

Model	W(kgs)
04DMM-1(M)	0.12

04DMM-1(M)



Three Pawl Optics Mount

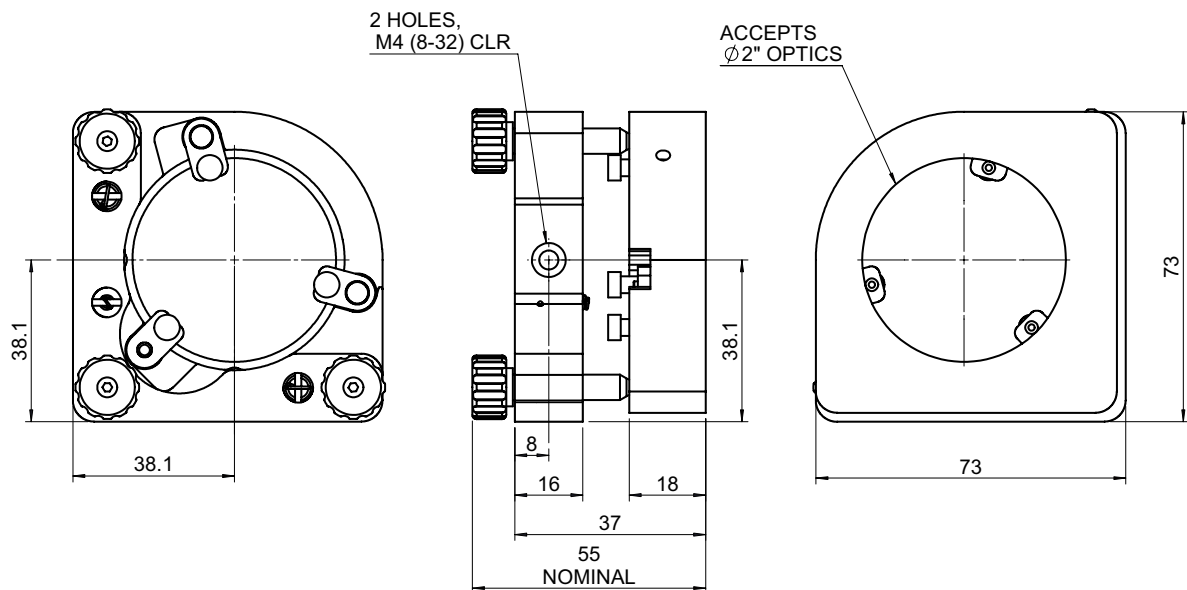


04KMT-2M

- * Three directions Z, θ_x , θ_y adjustment.
- * Adjustment motion by M6x0.25mm stainless steel high precision thumbscrews.
- * Very tight tolerance and damping grease between stainless steel precision lead screw and bushing to form a negligible backlash combination.
- * Stainless steel precision lead screw and phosphor bronze bushing is an ideal combination provides smooth, wobble-free and long-term stability.
- * Tilt adjustment range of $\pm 3.5^\circ$.
- * Hold 50.8mm (2") diameter optics from the back against three points on the front plate of the mount.
- * Three spring-loaded pawls clamp optics in the mount.
- * Optic thickness from 11mm up to 16mm.
- * Three axes adjustment are provided.

	Model	W(kgs)
Metric (mm)	04KMT-2M	0.23
English (inch)	04KMT-2	0.23

04KMT-2M



Adjustable Optics Positioner

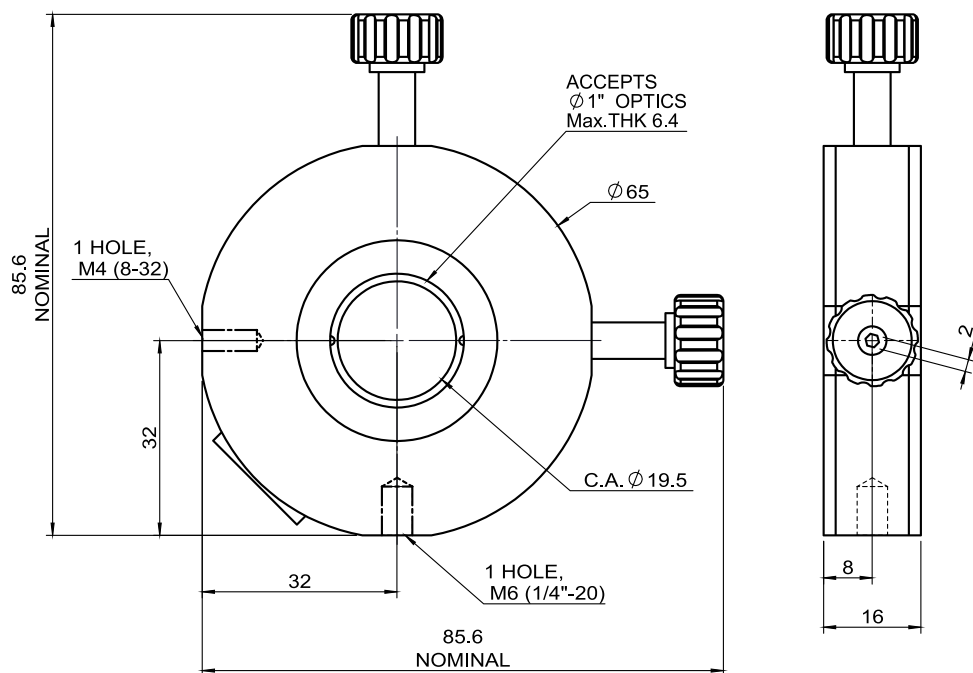


04AOP-1M

- * This optics positioner is the ideal tool to apply in the situation while centering adjustment required in experiment.
- * It is a convenience to hold the optics firmly with a retaining ring (26.3-32) safety and free of damage.
- * Two axes can be adjusted for fine adjustment.
- * Adjustment motion by M6x0.25mm stainless steel high precision thumbscrews.
- * Very tight tolerance and damping grease between stainless steel precision lead screw and bushing to form a negligible backlash combination.
- * Stainless steel precision lead screw and phosphor bronze bushing is an ideal combination provides smooth, wobble-free and long-term stability.
- * Adjustment range up to $\pm 3\text{mm}$ for each axis.
- * Aperture for 25.4mm (1") diameter optics.
- * One piece retaining ring included.

	Model	W(kgs)
Metric (mm)	04AOP-1M	0.12
English (inch)	04AOP-1	0.12

04AOP-1M



XY Translation Mount

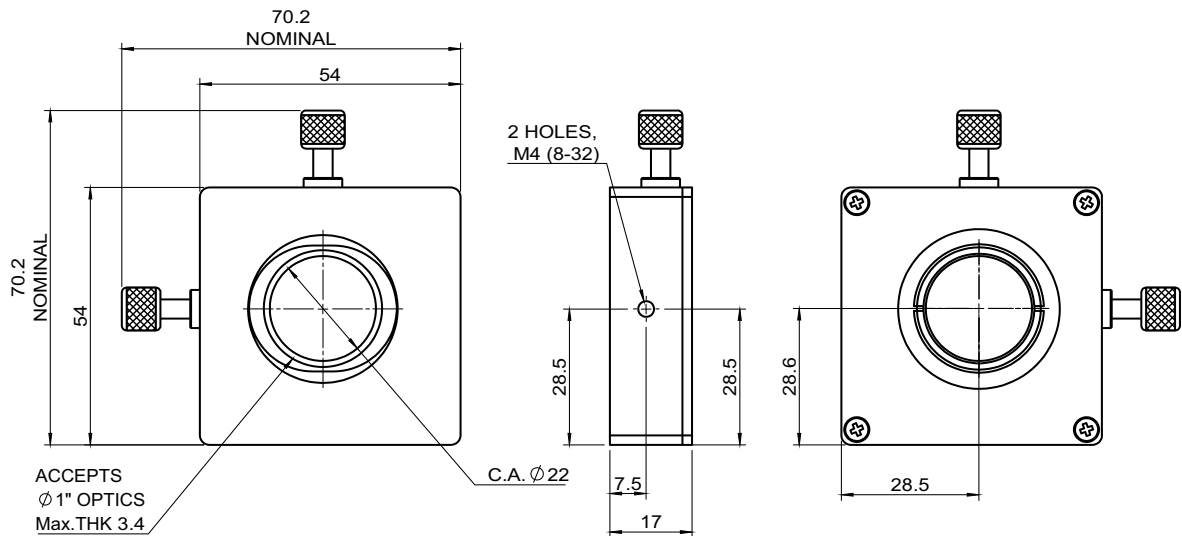


04MOM-1M-XY

- * M4x0.25 high resolution thumbscrew adjustment.
- * Positioning for 25.4mm (1") diameter optical components up to 3mm thickness.
- * 1.035"-40 internal thread easy to combine with other brand parts.
- * XY independent translation motion for each direction.
- * Travel range: $\pm 2\text{mm}$ for X and Y.
- * 1.035"-40 retaining ring and POM ring fix optics to avoid damage.
- * Retaining ring 04ETR-1(M) is included.
- * M4 (8-32) thread holes on the side and bottom for post mounting.

	Model	W(kgs)
Metric (mm)	04MOM-1M-XY	0.11
English (inch)	04MOM-1-XY	0.11

04MOM-1M-XY



XYZ θ x θ y Axis Adjustable Optics Mount



04MOM-1(M)

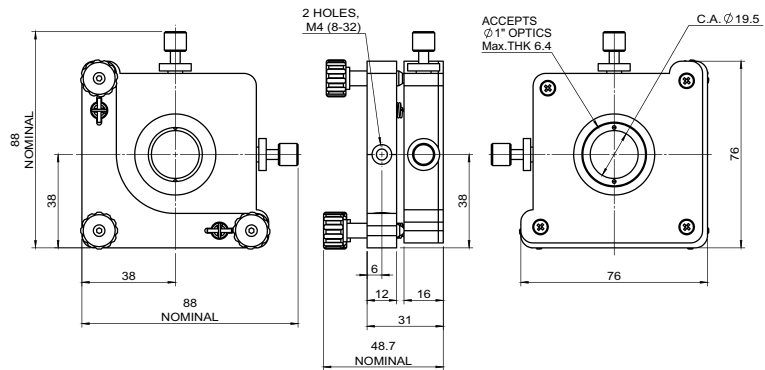


04MOM-2(M)

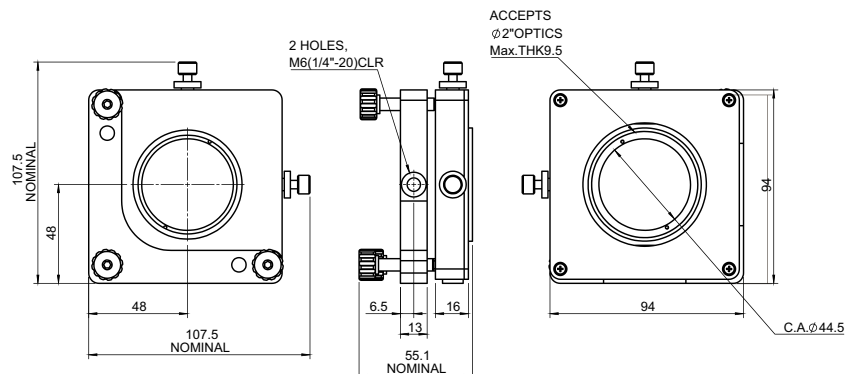
- * Metric and English both available.
- * These models are designed for the general purpose and locks the optics with retaining ring.
- * 5 axis which include x, y, z, θ x and θ y that allow user to adjust the optics at any position.
- * Z, θ x and θ y adjustment motion by M6x0.25mm stainless steel high precision thumbscrews.
- * X and Y adjustment motion by 8-80 TPI stainless steel high precision thumb-screws.
- * Very tight tolerance and damping grease between stainless steel precision lead screw and bushing to form a negligible backlash combination.
- * Stainless steel precision lead screw and phosphor bronze bushing is an ideal combination provides smooth, wobble-free and long-term stability.
- * Aperture for 25.4mm (1") up to 7mm thickness and 50.8mm (2") up to 9mm thickness diameter optics selection .
- * θ x and θ y tilt adjustment range of $\pm 3.5^\circ$.
- * Travel range for each X-Y-Z axis direction: ± 3.0 mm.
- * Lock with retaining ring (26.3-32 for 1" optics and 2.035"-40 for 2" optics).
- * Reduces the abrasion of components with POM thin ring.
- * X-Y direction adjustment screw with lock function.

Model	Dia.	W(kgs)
04MOM-1(M)	25.4mm	0.27
04MOM-2(M)	50.8mm	0.40

04MOM-1(M)



04MOM-2(M)



Prism Table

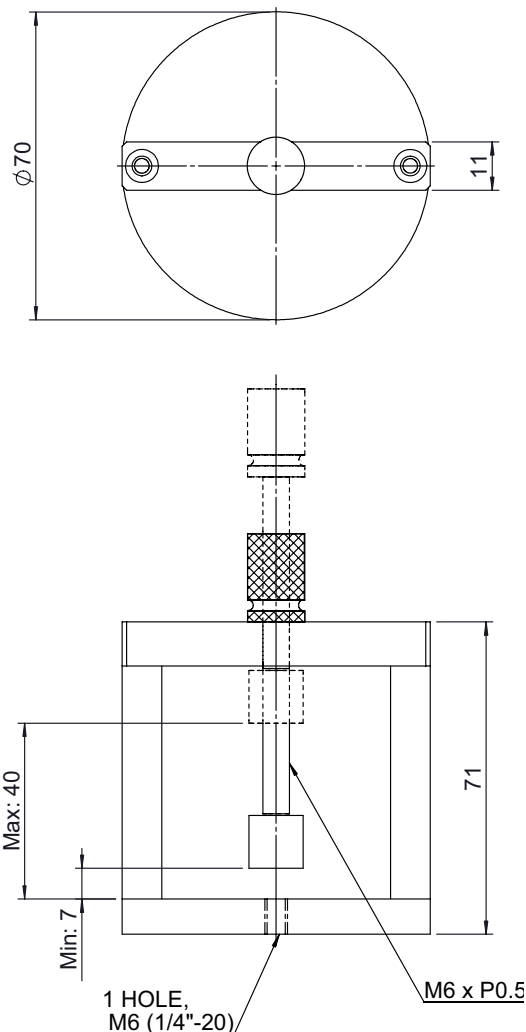


03PRT-1M

- * The prism table 03PRT-1M provides a simple mechanism that holds cubic prisms, cubic beam splitters and other cubic components.
- * A M6 (1/4-20) threaded hole on the base plate allows for easy attachment of such prism tables to threaded optical tables.
- * The maximum dimension of optical components up to height of 40 mm, width 50mm cube, the minimum height 6 mm.
- * Turn the thumbscrew M6x0.5mm on top of centering to fix cubic optical components such as prism, beam splitters, and other optical modules in position.
- * Optic component will not be damaged while turning the thumbscrew for fixture.

	Model	W(kgs)
Metric (mm)	03PRT-1M	0.16
English (inch)	03PRT-1	0.16

03PRT-1M



Tilt Adjustable Prism Table

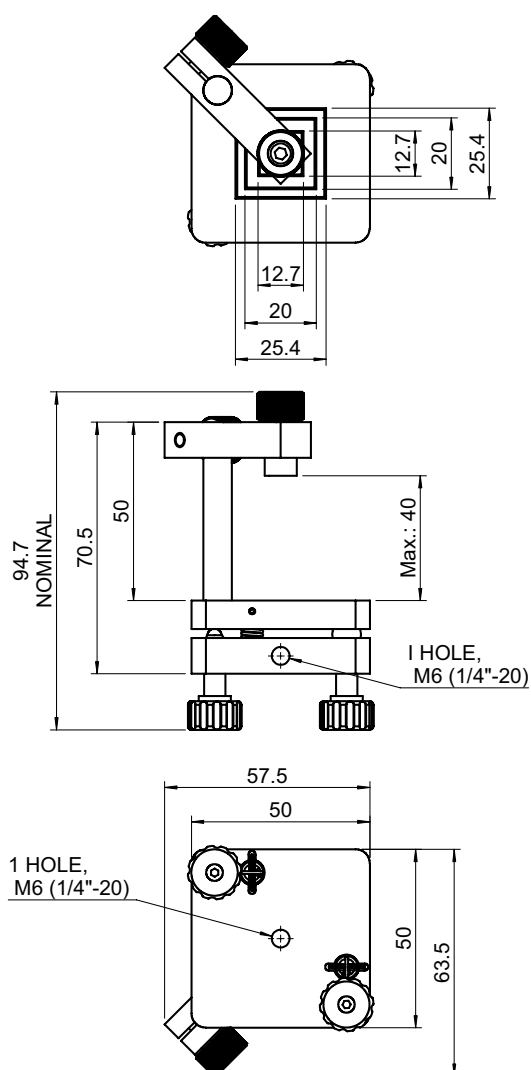


03PRT-2M

- * This model of prism table is based on two square plates and 2 axial tilts are introduced via two M6x0.25mm thumbscrews for high precise adjustment.
- * Three square graduations, 12.7mm, 20mm and 25.4mm, are carved to allow easy and quick mounting for prisms, cubes beamsplitters and other cube-like components.
- * The maximum dimension of optical components up to height of 40 mm.
- * Pre-loading Spring clamp on the center holds optics firmly in place.
- * Two axis tilt function are adjusted in plane by M6x0.25 mm stainless steel thumb-screw.
- * Very tight tolerance and damping grease between stainless steel precision screw and bushing to form a negligible backlash combination.
- * Stainless steel precision screw and phosphor bronze bushing is an ideal combination provides smooth, wobble-free and long-term stability.
- * Use two stainless steel pins as a cost effective guide for smooth adjustment.

	Model	W(kgs)
Metric (mm)	03PRT-2M	0.20
English (inch)	03PRT-2	0.20

03PRT-2M



Tilt / Rotary Prism Table

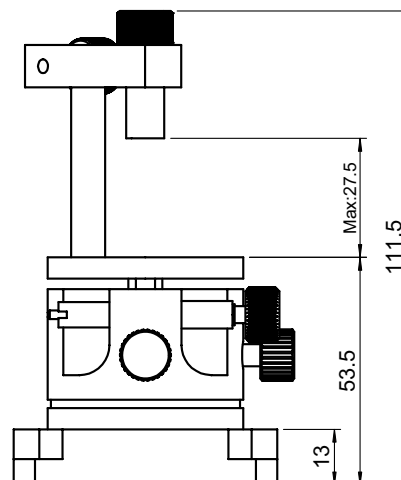
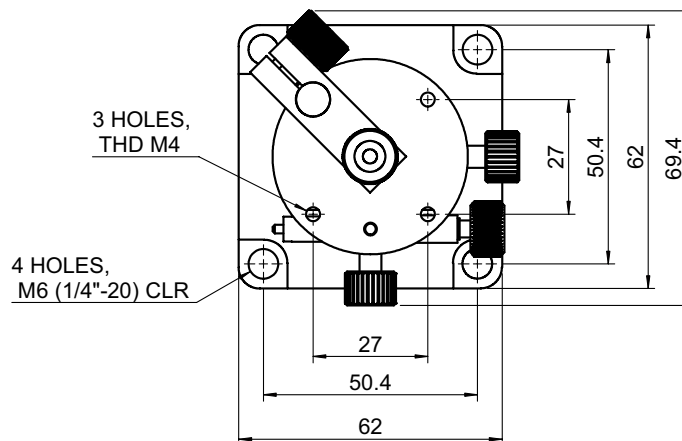


03PRT-3M

- * The tilt/rotary prism table 03PRT-3M provides two independent tilt adjustments and an in-plane rotation adjustment of up to $\pm 3^\circ$.
- * Optical components are securely held to such prism tables by a spring clamp that on the top of surface plate.
- * Four M6 (1/4-20) clearance holes on the corners of the base plate allow us to securely fix the prism table on any optical table or machine surface.
- * Provides $\pm 3^\circ$ of adjustment about the X, Y and θ axis separately.
- * For use with optics up to 27.5mm in height.
- * Independent controls for each axis can be oriented parallel to a desired plane.

	Model	W(kgs)
Metric (mm)	03PRT-3M	0.36
English (inch)	03PRT-3	0.36

03PRT-3M



Tilt Adjustable Prism Table

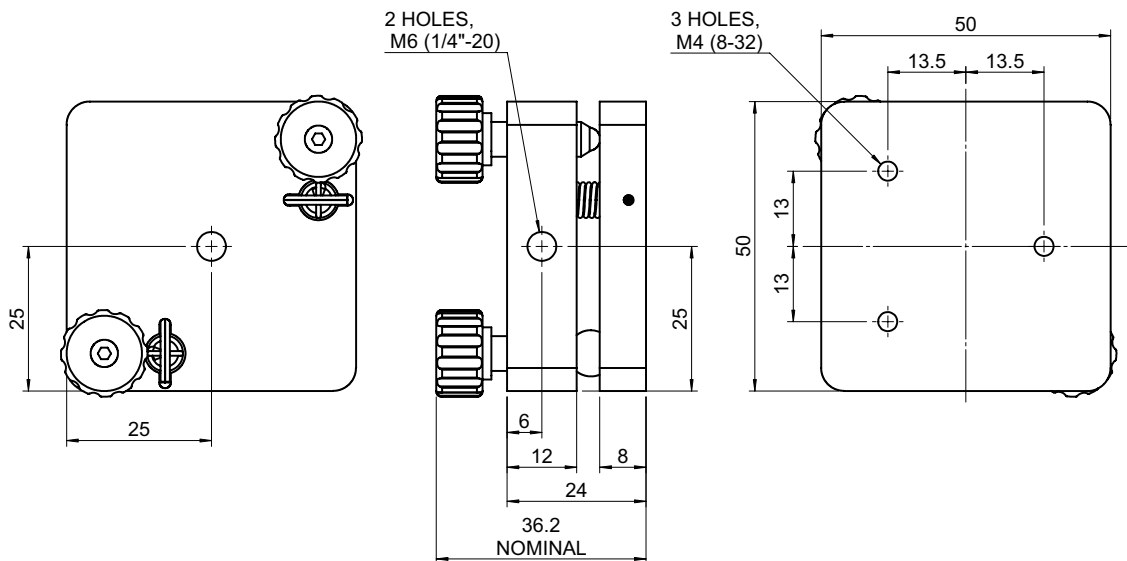


03PRT-4M

- * The prism tables 03PRT-4M are based on two square plates and two axial tilts are introduced via two M6x0.25mm thumbscrews.
- * There are three threaded holes M4 (8-32) on the top plate that allow for the easy mounting of prisms, cubes and other components.
- * Two axis tilt function are adjusted in plane by M6x0.25mm stainless steel thumb-screw.
- * Very tight tolerance and damping grease between stainless steel precision screw and bushing to form a negligible backlash combination.
- * Stainless steel precision screw and phosphor bronze bushing is an ideal combination provides smooth, wobble-free and long-term stability.
- * Use two stainless steel pins as a cost effective guide for smooth adjustment.
- * Using optical adhesive DC-2 component on the top of plate surface.

	Model	W(kgs)
Metric (mm)	03PRT-4M	0.15
English (inch)	03PRT-4	0.15

03PRT-4M



Cube Beamsplitter / Polarizer Mount



04CBM-Series



**04CBM-1(M)+04UPM-1(M)
Demo**



04CBS-Series



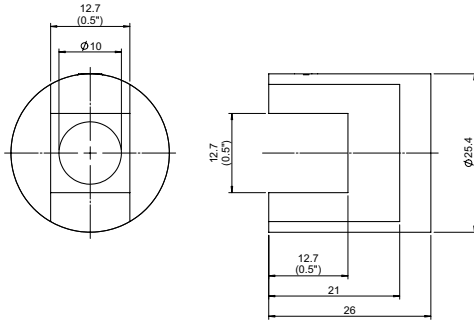
**04CBS-2(M)+04TRM-2M
Demo**

- * Metric and English both available.
- * The cube-type optics are easy to mount and adaptable to fix many tilt/rotary mount through fine-tuning function.
- * 04CBM-series holders can be mounted to 04PMT-1(M) or 04UPM-1(M) aperture mount to achieve tilt/tip adjustment.
- * 04CBS-series has a external threaded 26.3-32 is compatible with our 04TRM-1M or 06RSA-1M rotation stages for precise rotation of beamsplitter cube and be locked in position with a knurled ring.
- * They have a clear aperture to allow a transmissive beam to pass through the mount.
- * Available cubic dimensions: 12.7mm, 20mm and 25.4 mm.
- * A POM-tipped set screw is designed to fix cubic optics.
- * Customized specifications are available on request.

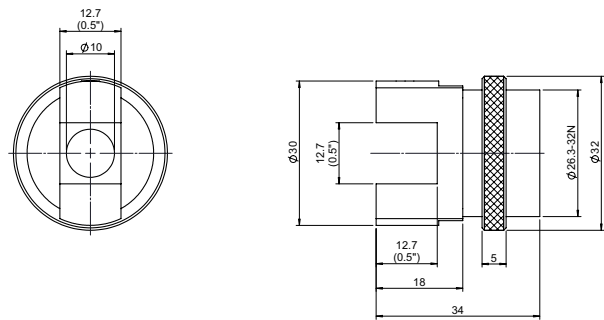
Model	Cubic Size	W(kgs)
04CBM-1(M)	12.7mm	0.02
04CBM-2(M)	20mm	0.02
04CBM-3(M)	25.4mm	0.03
04CBS-1(M)	12.7mm	0.03
04CBS-2(M)	20mm	0.03
04CBS-3(M)	25.4mm	0.04

Cube Beamsplitter / Polarizer Mount

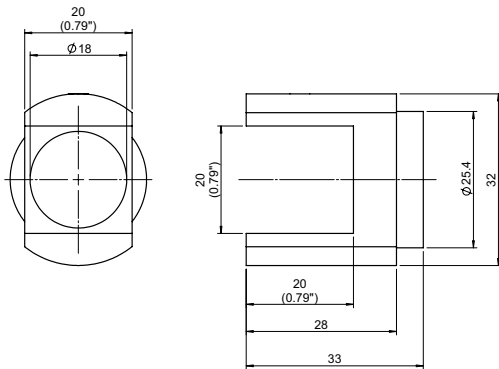
04CBM-1(M)



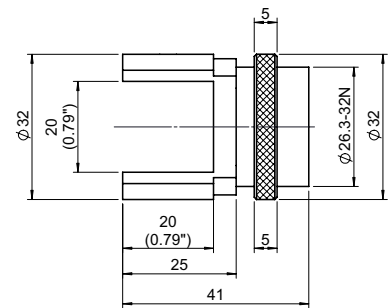
04CBS-1(M)



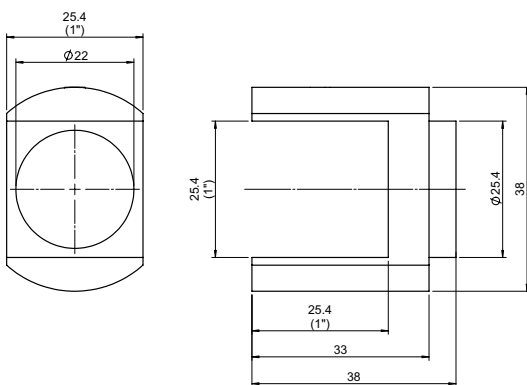
04CBM-2(M)



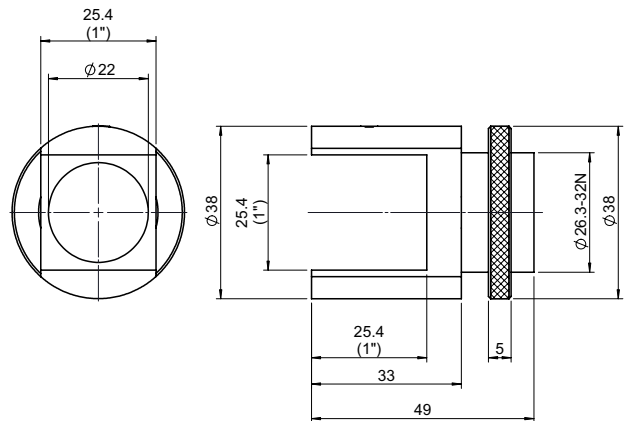
04CBS-2(M)



04CBM-3(M)



04CBS-3(M)



Cage Cube 4-Port Beamsplitter Mount



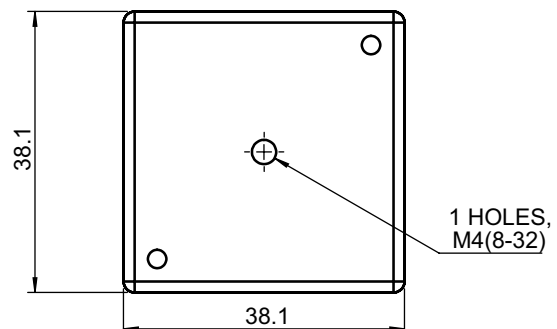
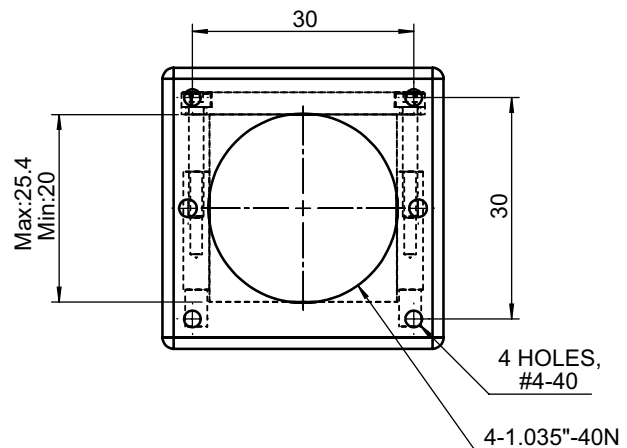
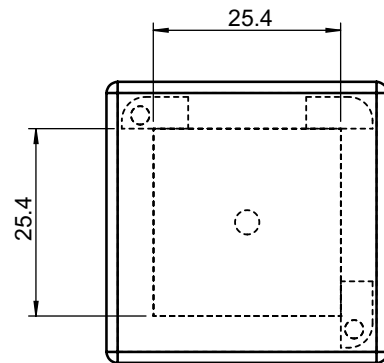
24CCM4-1M



24CCM4-1M + 04CEC-S1-05L

- * Suitable for 30mm cage system application.
- * Internal 1.035"-40 thread on 4-port.
- * Accept 1" and 20mm or lower cube beamsplitter optics (sold seperated).
- * Stopper indiator (1" and 20mm only) for convenient fixation.
- * M4 (8-32) thread hole on the bpttpm for mounting purpose.
- * It has prevented dust, light entry or leaking function with endcap 04CEC-S1-05L (sold seperated).

	Model	W(kgs)
Metric (mm)	24CCM4-1M	0.044
English (inch)	24CCM4-1	0.044



Tilt / Rotation Precision Polarizer Mount



04TRM-1M



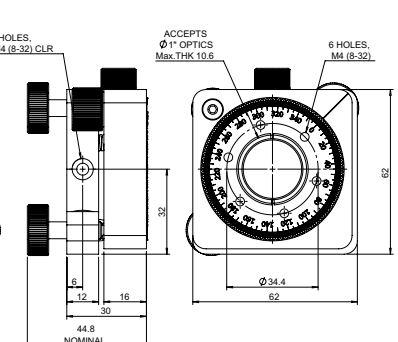
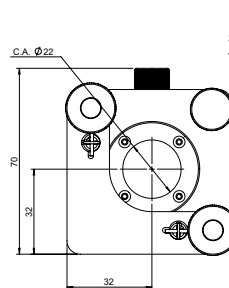
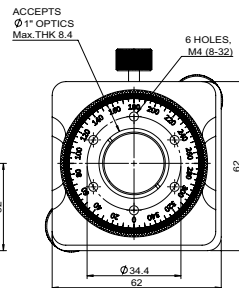
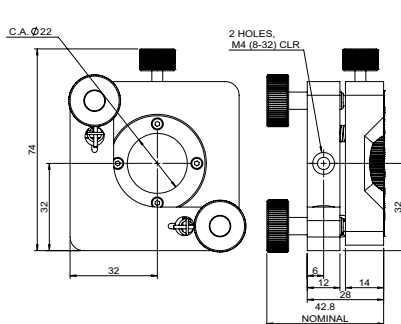
04TRM-2M

- * The polarizer mount can be locked in place by a thumbscrew on the top to ensure precise repeatable positioning.
- * It is a convenience to hold the optics firmly with a retaining ring 26.3-32 safety and free of damage.
- * Aperture for 25.4mm (1") diameter optics up to 7mm.
- * Full 360° adjustment manually.
- * Engraved scale every 1° increment with engraved at every 10° extended and every 20° numbered.
- * Adjustment motion by M6x0.25mm stainless steel high precision thumbscrews.
- * Very tight tolerance and damping grease between stainless steel precision lead screw and bushing to form a negligible backlash combination.
- * Stainless steel precision lead screw and phosphor bronze bushing is an ideal combination provides smooth, wobble-free and long-term stability.
- * Tilt and tip adjustment range of $\pm 3.5^\circ$.
- * Two different motion models 04TRM-1M by hand and 04TRM-2M by thumbscrew are selection.
- * One piece retaining ring (1.035"-40) included.

	Model	W(kgs)
Metric (mm)	04TRM-1M	0.20
	04TRM-2M	0.23
English (inch)	04TRM-1	0.20
	04TRM-2	0.23

04TRM-1M

04TRM-2M



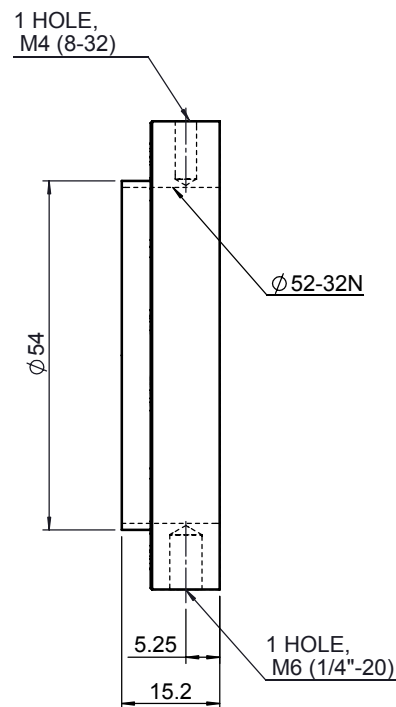
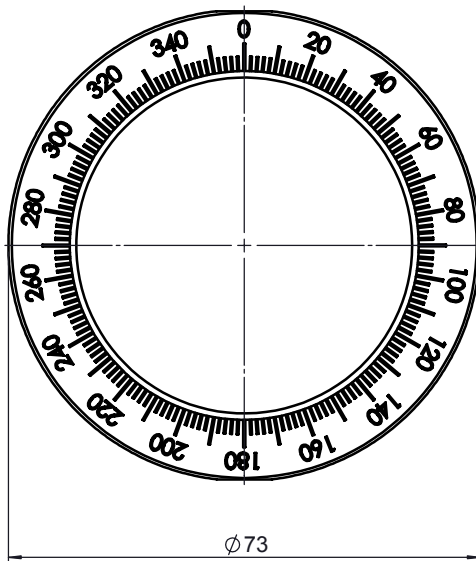
Polarizer Mount



04PLM-1M

- * This mount is just for dia.52mm polarizer (3502A) only (not included).
- * Throughout $\Phi 52-32N$ thread for easily mounting two polarizer on both sides and adjustment separately to reach different transmission ratio.
- * 1/4-20 and 8-32 thread holes provided for mounted post purpose.
- * 2° graduation indicator on both side, every 10° extended and every 20° with numbered.
- * Thickness:15 mm.
- * Aluminum Alloy material and black finished.

	Model	A	B	W(kgs)
Metric (mm)	04PLM-1M	M6	M4	0.06
English (inch)	04PLM-1	1/4-20	8-32	0.06



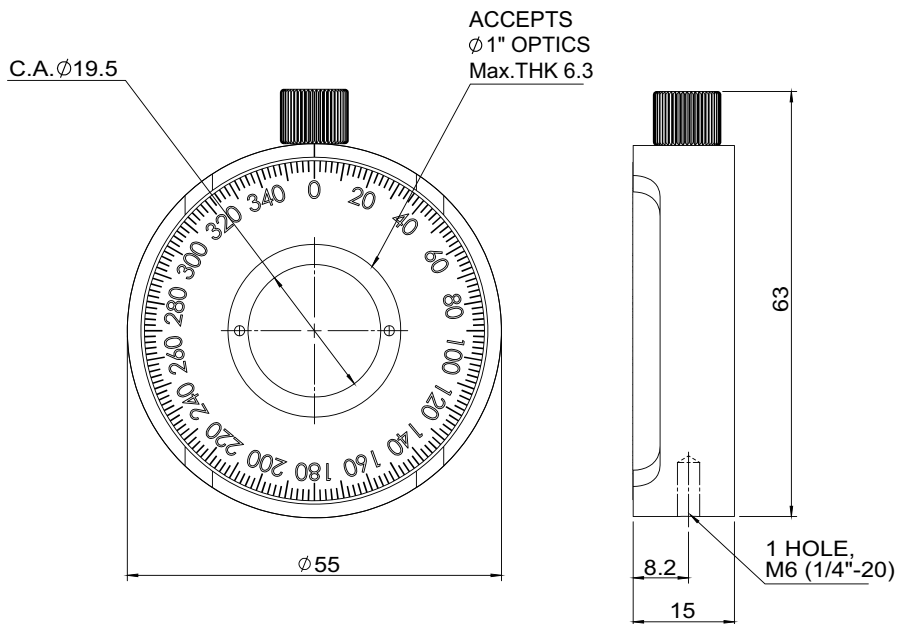
Rotation Mount



04PLM-2M

- * The 04PLM-2M rotation mount utilizes a ring rail with smooth surface for smooth backlash free rotation.
- * Aperture for 25.4mm (1") diameter optics such as polarizer, retarder...etc which is secured in place with a retaining ring (1.035"-40).
- * Maximum thickness of optic up to 7mm (0.28").
- * Engraved scale every 2° increment with engraved at every 10° extended and every 20° numbered.
- * 360° Continuously Rotatable manually.
- * Thumbscrew on the top lock to ensure angular position.
- * One piece retaining ring included.

	Model	W(kgs)
Metric (mm)	04PLM-2M	0.08
English (inch)	04PLM-2	0.08



Precision Polarizer Mount



04PLM-3M

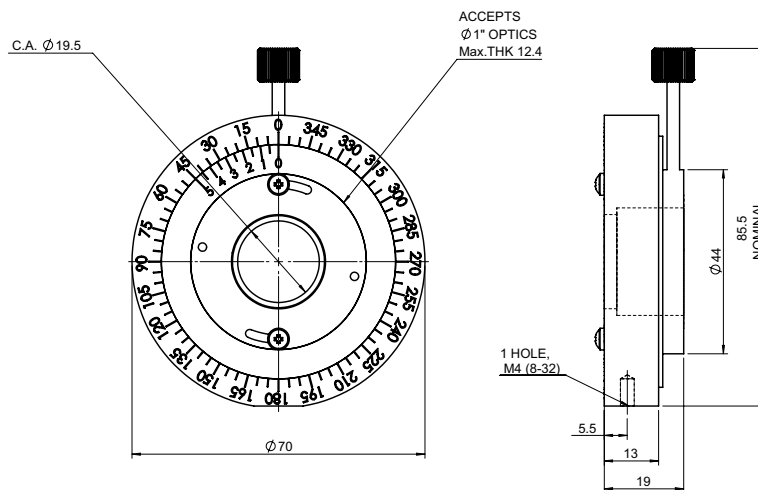


04PLM-4M

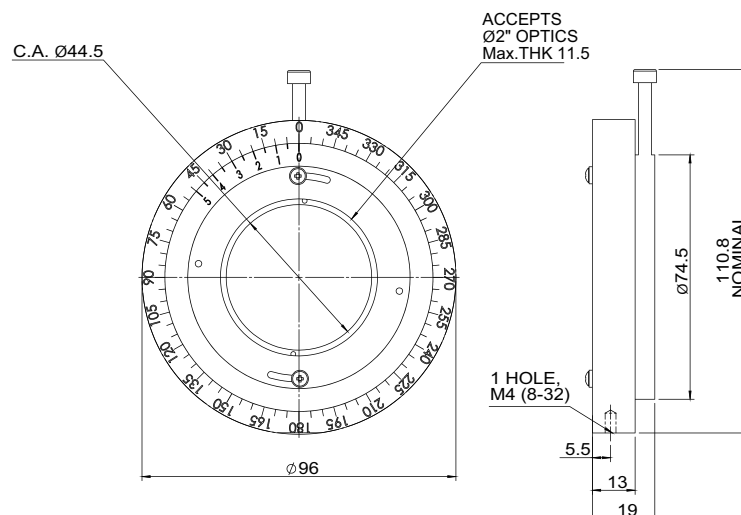
- * Standard sized polarizers are held perpendicular to its optical axis.
- * Models accommodate either 25.4mm (1") up to 12 mm thickness or 50.8mm (2") up to 11 mm thickness polarizers.
- * Arm provides smooth manual control through arbitrary 360°.
- * Outer ring is engraved every 5° increments.
- * Accuracy can read to 0.5° with vernier design.
- * It is a convenience to hold the optics firmly with a retaining ring 26.3-32 for 25.4mm (1") optics and retaining ring 51.6-32 for 50.8mm (2") optics safety and free of damage.
- * One piece retaining ring included.

	Model	Dia.	W(kgs)
Metric (mm)	04PLM-3M	25.4	0.06
	04PLM-4M	50.8	0.14
English (inch)	04PLM-3	1	0.06
	04PLM-4	2	0.14

04PLM-3M



04PLM-4M



Compact Rotation Mount for Optics



04PLM-5M

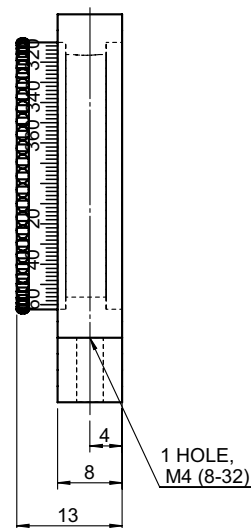
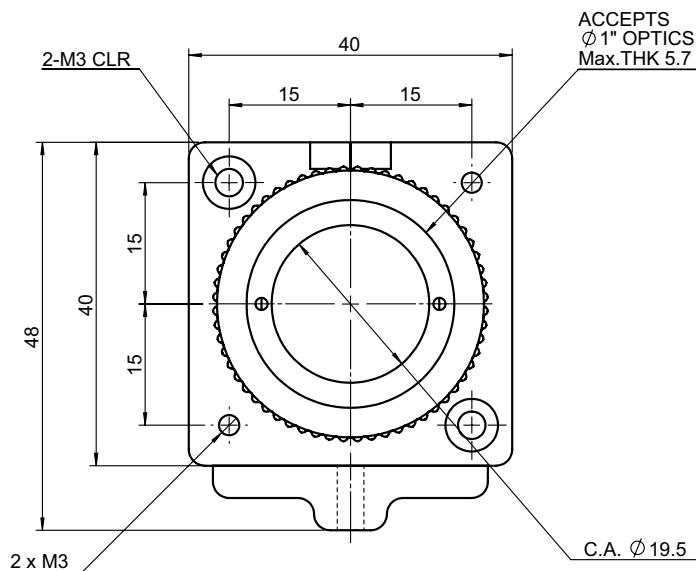


- * 360° Continuously Rotatable manually.
- * Engraved scale every 2° increment with engraved at every 10° extended and every 20° numbered.
- * Scale located on the side for reading convenience.
- * Aperture for 25.4mm (1") up to 6 mm thickness diameter optics such as polarizer, retarder...etc which is secured in place with a retaining ring 26.3-32.
- * Lockable by top-located set screw.
- * Square outline provides for easy assembly with other parts.
- * Two units could be combined together and rotated individually.
- * Holder platform on bottom removable when not in use.
- * One piece retaining ring included.

	Model	W(kgs)
Metric (mm)	04PLM-5M	0.03
English (inch)	04PLM-5	0.03

**04PLM-5M x 2PCS
Demo**

04PLM-5M



Economical Mirror Mount



04MTE-0.5M



04MTE-1M

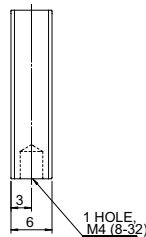
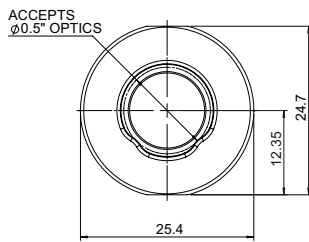


04MTE-2M

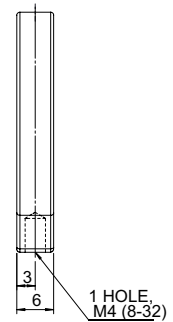
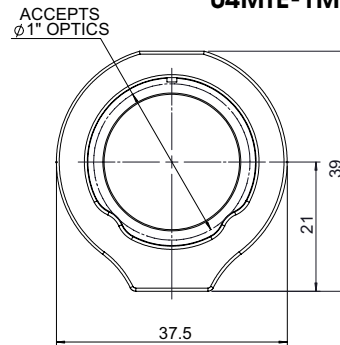
- * One-piece design.
- * Low cost, easy to use.
- * POM-Tipped set screw secures optic in mount.
- * Mounts for diameter 12.7mm (0.5"), 25.4mm (1") and 50.8mm (2") optics.
- * Post-Mountable via M4 (8-32) Tapped Hole
- * 04MTE-0.5M has a 25.4mm outside diameter, compatible to any 25.4mm (1") mirror mount such as 04 PMT-1M to enhance the flexibility and functionality.

	Model	Dia.	W(kgs)
Metric (mm)	04MTE-0.5M	12.7	0.006
	04MTE-1M	25.4	0.01
	04MTE-2M	50.8	0.03
English (inch)	04MTE-0.5	0.5	0.006
	04MTE-1	1	0.01
	04MTE-2	2	0.03

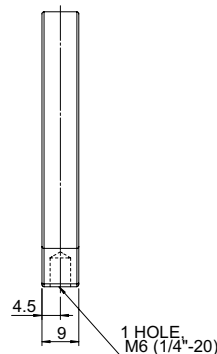
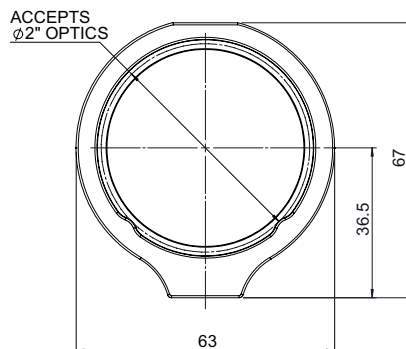
04MTE-0.5M



04MTE-1M



04MTE-2M



Retaining Ring Optical Mount



04MTC-0.5M



04MTC-1M



04MTC-2M

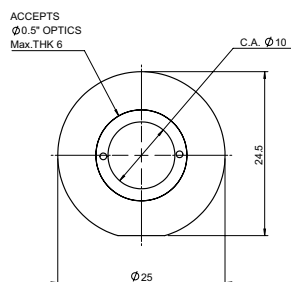


04MTC-20M

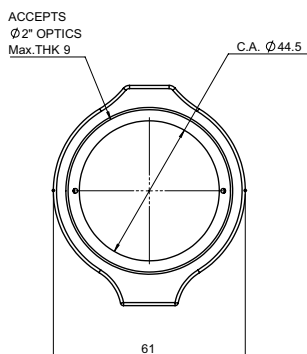
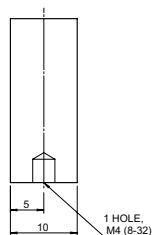
- * The 04MTC series are fitted with a retaining ring for holding the optics firmly in place and can be mounted on either an M4 (8-32) or M6 (1/4-20) threaded post.
- * Retaining Ring design to secure the mounting of optics safely.
- * One-piece design.
- * It is a convenience to hold the optics firmly with a retaining ring safety and free of damage for purpose.
- * One piece retaining ring included.
- * Material: Aluminum, black anodized. (04MTC-0.5M/0.5 Material: Black POM)

	Model	Optics			Retaining Ring	W(kgs)
		Dia.	Clear Aperture	Max. Thickness		
Metric (mm)	04MTC-0.5M	12.7 mm	10 mm	6 mm	0.535"-40	0.005
	04MTC-20M	20.0 mm	15 mm	4 mm	21.1-32	0.080
	04MTC-1M	25.4 mm	22 mm	6 mm	1.035"-40	0.012
	04MTC-2M	50.8 mm	44.5 mm	9 mm	2.035"-40	0.050
English (inch)	04MTC-0.5	0.5"	10 mm	6 mm	0.535"-40	0.005
	04MTC-20	20 mm	15 mm	4 mm	21.1-32	0.080
	04MTC-1	1"	22 mm	6 mm	1.035"-40	0.012
	04MTC-2	2"	44.5 mm	9 mm	2.035"-40	0.050

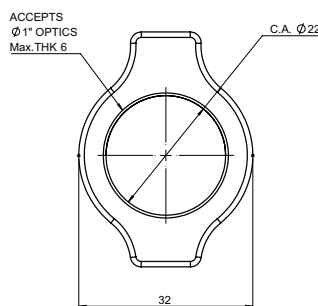
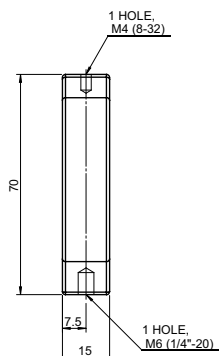
Model	pack	W(kgs)
04MTC-1M-PK	5	0.06
04MTC-2M-PK	5	0.25
04MTC-1-PK	5	0.06
04MTC-2-PK	5	0.25



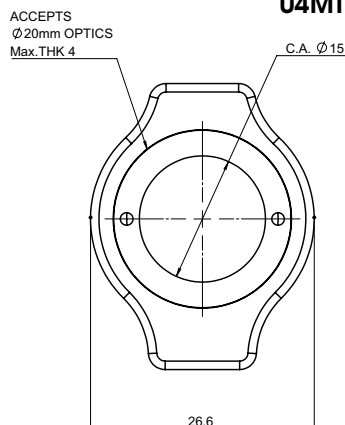
04MTC-0.5M



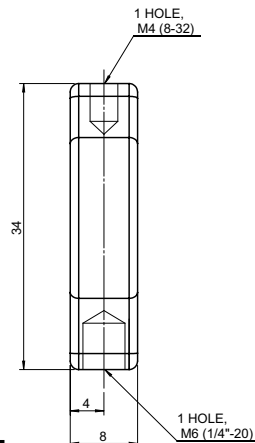
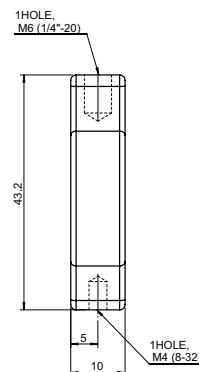
04MTC-2M



04MTC-1M



04MTC-20M



Optics Adaptor for $\Phi 25.4\text{mm}$ Lenses / Filter Holder



04LMT-1(M)



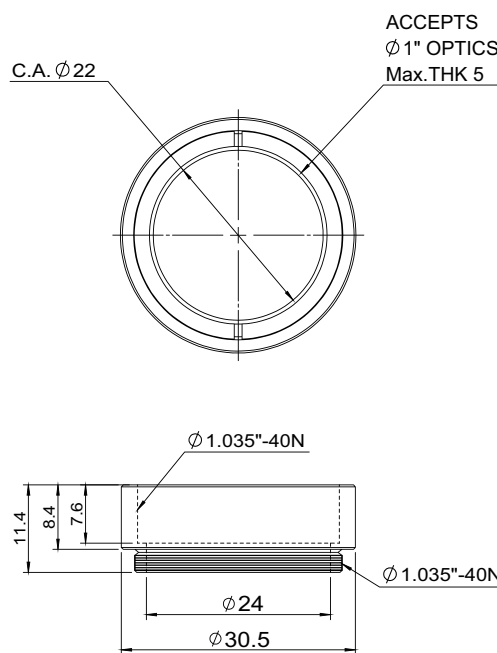
**04LMT-1(M)+04RMT-1(M)
Demo**



**04LMT-1M+03MPH
Demo**

- * Metric and English both available.
- * External thread 1.035"-40 is fit for 1" optics mount with same thread.
- * 1" aperture for lens or filter optics up to 5mm thickness.
- * 1.035"-40 retaining ring and POM ring fix optics to avoid damage.
- * Two or more adaptors with ND filters can be stacked to reach attenuation.
- * Retaining ring 04ETR-1(M) is included.
- * Aluminum alloy material and black anodization.

Model	W(kgs)
04LMT-1(M)	0.006



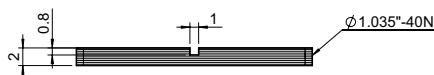
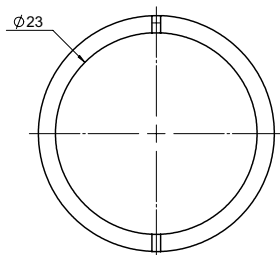
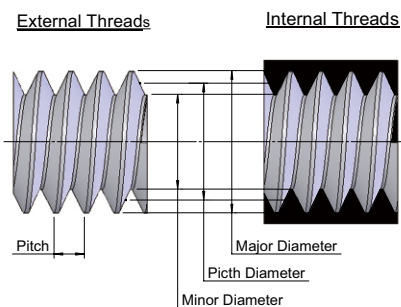
Retaining Ring



04ETR-1(M)

- * External thread 1.035"-40.
- * Thickness 2mm.
- * Clear Aperture 23mm.
- * Aluminum alloy material and black anodization.

Model	W(kgs)
04ETR-1(M)	0.0006



1.035"-40.0 Threading

Max Major Diameter	1.0339"	Min Major Diameter	1.0350"
Min Major Diameter	1.0288"	Min Pitch Diameter	1.0188"
Max Pitch Diameter	1.0177"	Max Pitch Diameter	1.0234"
Min Pitch Diameter	1.0142"	Min Minor Diameter (and 83.3% of Thread)	1.008"
Max Minor Diameter	1.0068"	Max Minor Diameter (and 64.9% of Thread)	1.014"

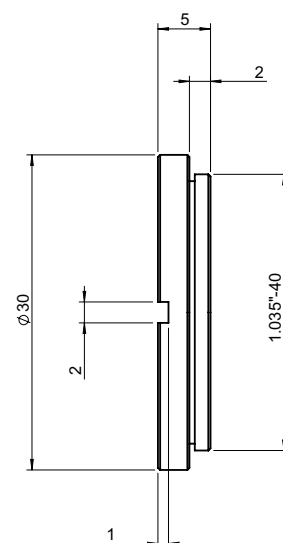
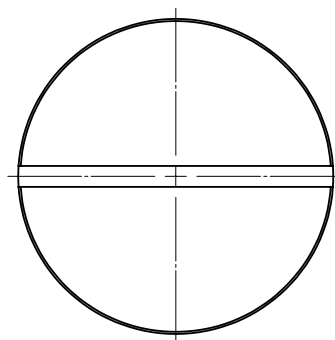
End Cap with External 1.035"-40 thread for 25.4 mm Optics



04CEC-S1-05L

- * Suitable for any component in 25.4mm(1") with 1.035"-40 internal thread.
- * It has prevented dust, light entry or leaking function.
- * Ideal for temporary protection of optics component.
- * Slot design for usage convenient.

Model	W(kgs)
04CEC-S1-05L	0.008



Economical Microscope Objective Lens Holder



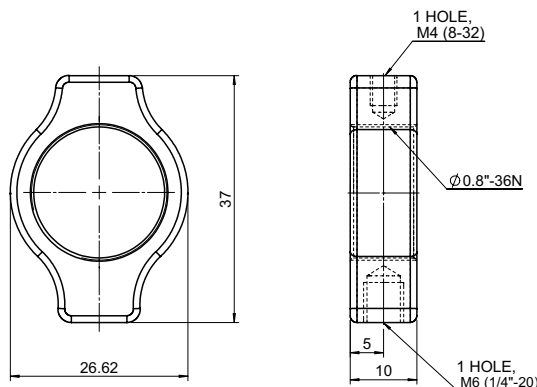
04OBJ-1M

- * 0.8"-36 RMS Microscope Objective Lens Thread.
- * M6 (1/4-20) and M4 (8-32) on both end for post mounted easily.
- * One-piece design, cost-effective.
- * Fabricated from Black Anodized Aluminum.

	Model	W(kgs)
Metric (mm)	04OBJ-1M	0.01
English (inch)	04OBJ-1	0.01



**04OBJ-1M+MSO-1
Demo**



Objective Lens Adaptor



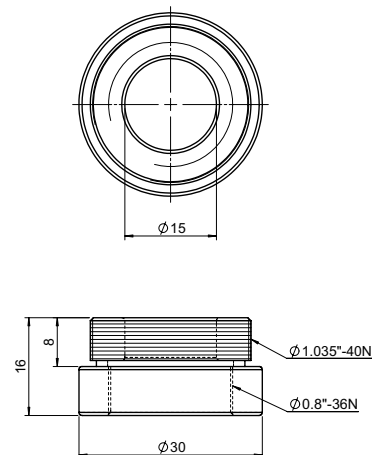
04ADA-OBJ

- * External thread 1.035"-40 easy to mount on same internal thread.
- * Internal thread 0.8"-36 for RMS standard Objective.
- * Cost-effective and easy operation.
- * Accompany with 04RMT-1(M) to reach tilt/tip adjustment function.

Model	W(kgs)
04ADA-OBJ	0.015



**04RMT-1(M)+04ADA-OBJ
Demo**



SMA-905 Connector Adaptor



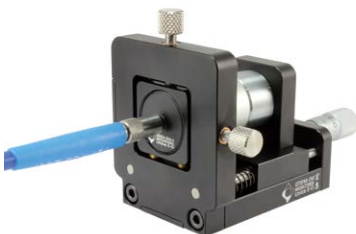
04ADA-SMA



**04ADA-SMA+04PMT-1(M)
Demo**



04ADA-SMA-S

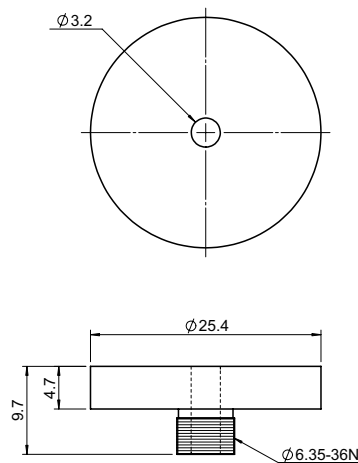


**04ADA-SMA-S+07SFM-1M
Demo**

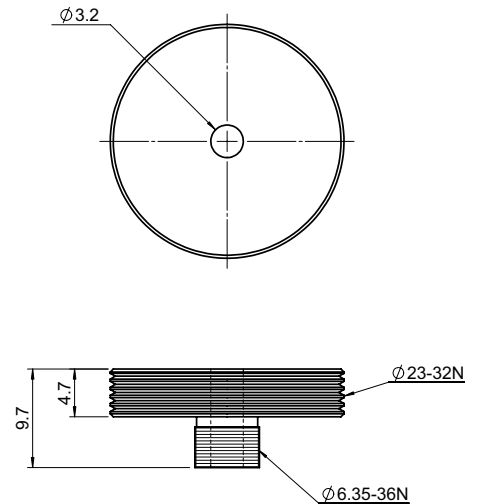
- * 04ADA-SMA fiber adaptor-plate can easily fit into all our 25.4mm (1") mirror mounts such as 04PMT-1(M), 04UPM-1(M) to form a SMA adaptor capable of providing precision fiber alignment with two tilts.
- * On the other hand, 04ADA-SMA-S replaces pinhole mount threading in the multi-axis adjustable 07SFE-series and 07SFM-1M to form a high precision SMA adaptor.
- * Provides economic SMA adaptor via existing SMA connector fiber.
- * Tilt and multi-axis adjustment capability with other opto-components.
- * Custom connectors other than SMA-type are available upon request.

Model	W(kgs)
04ADA-SMA	0.007
04ADA-SMA-S	0.005

04ADA-SMA



04ADA-SMA-S



C-Mount Extension Tub



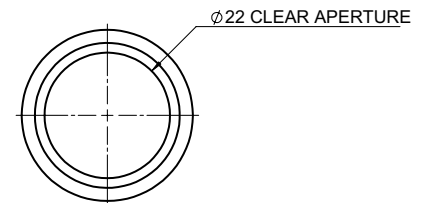
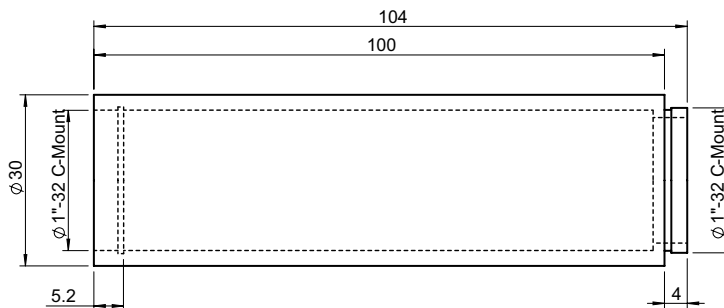
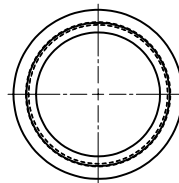
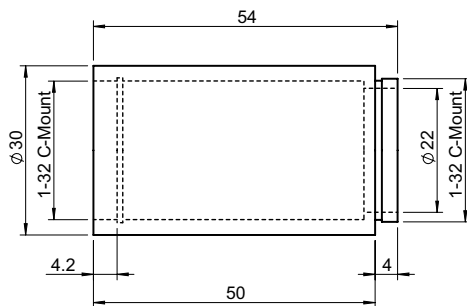
04ETC-C-50L



04ETC-C-100L

- * External and Internal C-Mount (1"-32) thread on the tube of both end individual.
- * 50mm, 100mm length.
- * Clear Aperture 22mm.

Model	Tube Length	External	W(kgs)
04ETC-C-50L	50 mm	C-Mount (1-32)	04ETC-C-50L
04ETC-C-100L	100 mm	C-Mount (1-32)	0.06



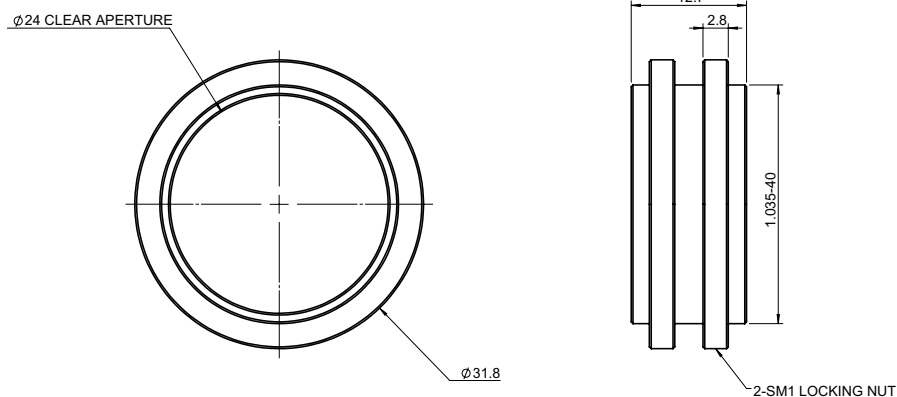
External 1.035"-40 Thread Combiner with Locking Nut



04ETC-S1-0.5L

- * External 1.035"-40 thread.
- * 12.7mm (0.5") length.
- * Connect two internal 1.035"-40 thread.
- * Two locking nut included.

Model	C.A.	Length	External	W(kgs)
04ETC-S1-0.5L	24 mm	12.7mm (0.5")	1.035"-40	0.006



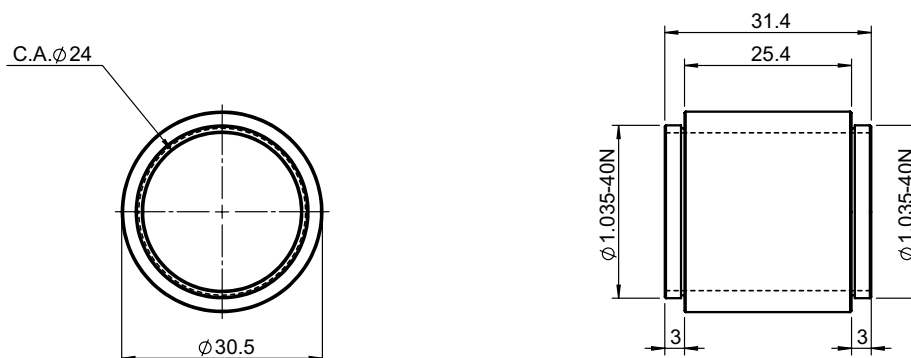
External 1.035"-40 Thread Extension Tube



04ETS1-S1-1L

- * External 1.035"-40 thread on both end.
- * 25.4mm (1") length.
- * Clear Aperture 24mm.

Model	C.A.	Length	External	W(kgs)
04ETS1-S1-1L	24 mm	25.4mm (1")	1.035-40	0.02



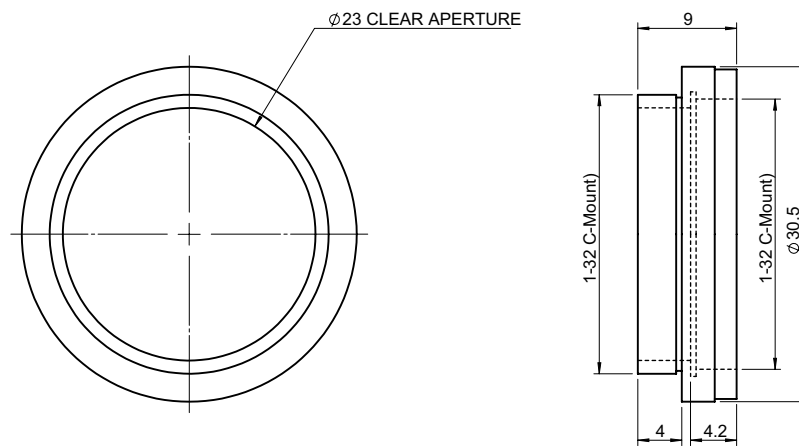
Thread Adapter with C-Mount Thread



04TAC-C-09L

- * External C-mount (1"-32) in 4 mm length.
- * Internal C-mount (1"-32) in 4 mm depth.
- * Total 9mm length.
- * Clear Aperture 23mm.
- * Stackable each other to increase space length.
- * Spacer application is available.

Model	External	Internal	W(kgs)
04TAC-C-09L	C-mount (1"-32)	C-mount (1"-32)	0.004



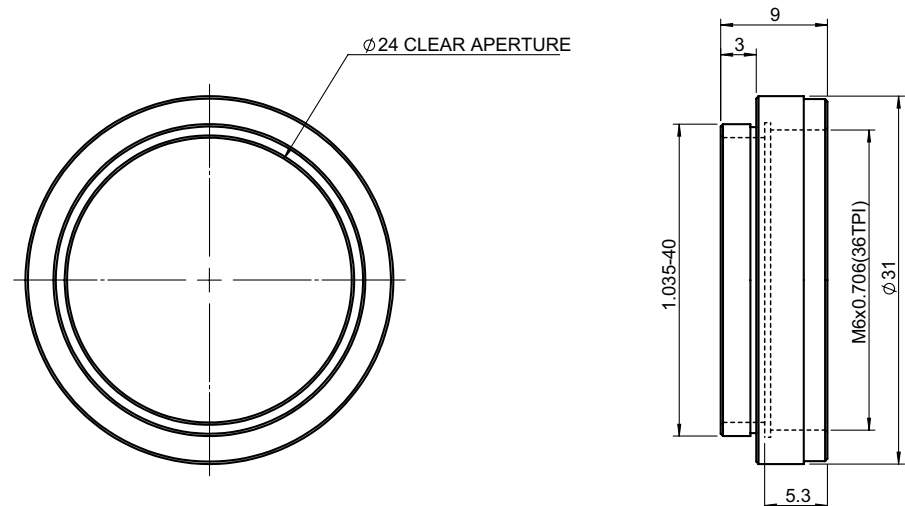
Thread Adapter with External 1.035"-40 Thread and Internal M26 Thread



04TAS1-M26-09L

- * External 1.035"-40 thread in 3 mm length.
- * Internal M26*0.706mm thread in 4 mm depth.
- * Total 9mm length.
- * Clear Aperture 24mm.

Model	External	Internal	W(kgs)
04TAS1-M26-09L	1.035"-40	M26	0.004



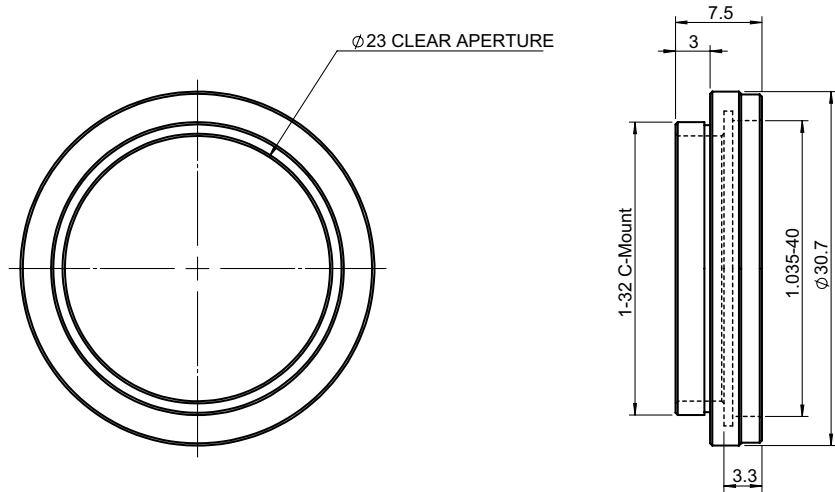
Thread Adapter with External C-Mount(1"-32) and Internal 1.035"-40 Thread



04TAC-S1-07L

- * External C-Mount (1"-32) thread in 3mm depth.
- * Internal 1.035"-40 thread in 3mm depth.
- * 7.5mm length.
- * Clear Aperture 23mm.

Model	External	Internal	W(kgs)
04TAC-S1-07L	C-Mount	1.035"-40	0.003



Collimator Lens Holder



04CLH-1M



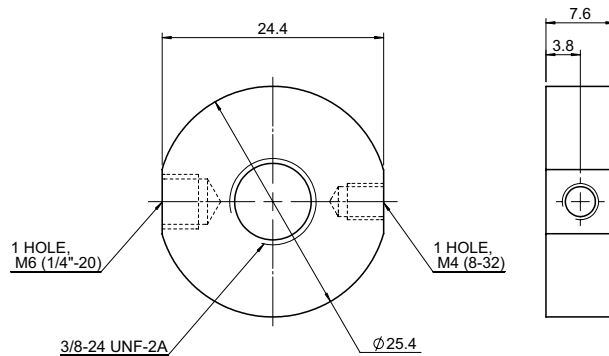
**04CLH-1M+03MPH-2M
Demo**



**04CLH-1M+04PMT-1(M)
Demo**

- * 3/8-24 internal thread for Unice model CL-VIS-ACR and CL-UV-R collimator lenses.
- * Other brands with same thread (3/8-24) are also available.
- * Outer diameter 25.4mm to fit 1" mirror/lens mount (such as 04PMT-1(M)) when tilt tip adjustment necessary.
- * M6 (1/4-20) and M4 (8-32) thread holes on top and bottom for mounting post individually.
- * Aluminum alloy material and black anodization.

	Model	W(kgs)
Metric (mm)	04CLH-1M	0.008
English (inch)	04CLH-1	0.008



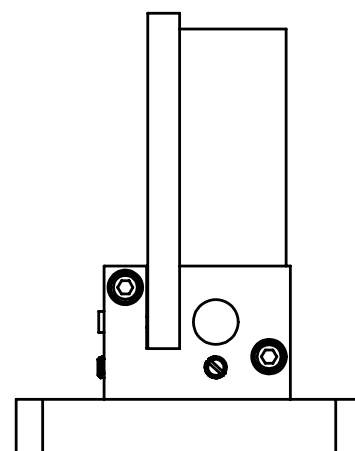
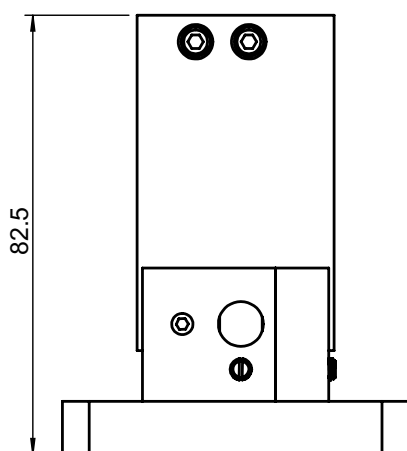
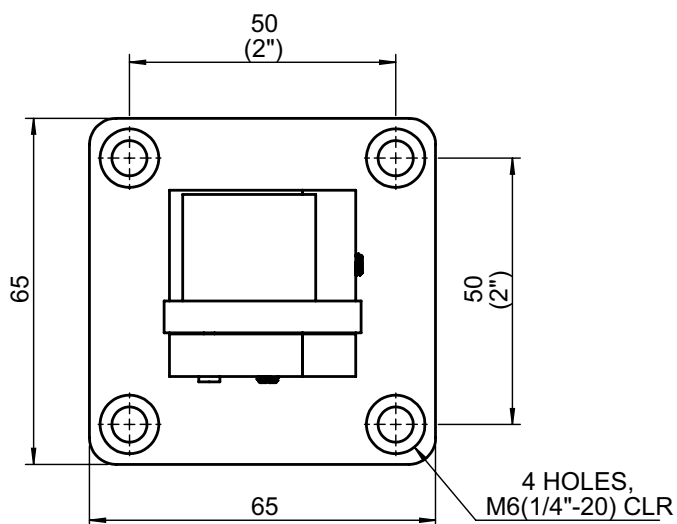
Cuvette-Holder 4 Way



CUH-4M

- * Cuvette holder with four collimating lenses.(collimator sold separately.)
- * Application: Transmission, Absorbance and fluorescence.
- * Fiber Optic termination connector:SMA905.
- * Cover cap is available to block ambient light.
- * Providing four M6 (1/4"-20) thread holes for mounting purpose.

	Model	W(kgs)
Metric (mm)	CUH-4M	0.24
English (mm)	CUH-4	0.24



Foldable Mirror / Lens Holder



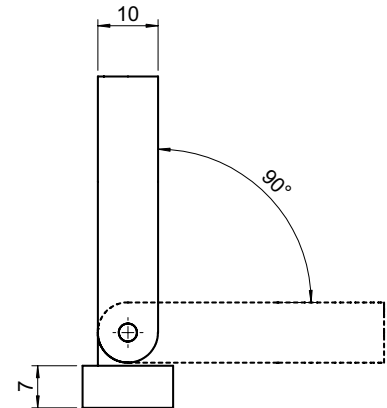
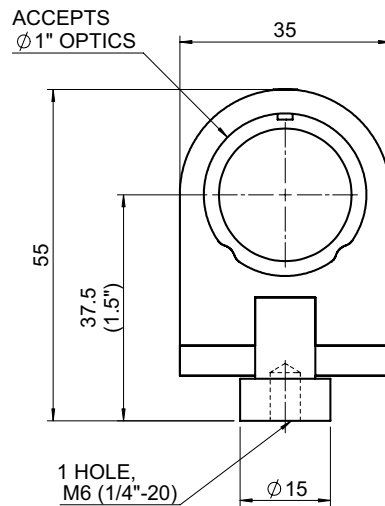
04FOM-1M



**04FOM-1M+03MPH-2M
Demo**

- * This optical mount can be folded in order to let the optics locate in or out of the beam path without the headaches in multiplexed laser experiments.
- * Light switch or beam path selector can also be applied when mirror mounted.
- * High repeatability and fast locating due to a self-positioning ball joint design.
- * Optics can be mounted with POM-tipped set screw to prevent damage.
- * Aperture for 25.4mm (1") diameter optics.
- * One M6 (1/4-20) thread hole is located underneath for post combination purpose.

	Model	W(kgs)
Metric (mm)	04FOM-1M	0.03
English (inch)	04FOM-1	0.03



Foldable Mirror / Lens Mount Holder



04FOM-2M



0°

45°

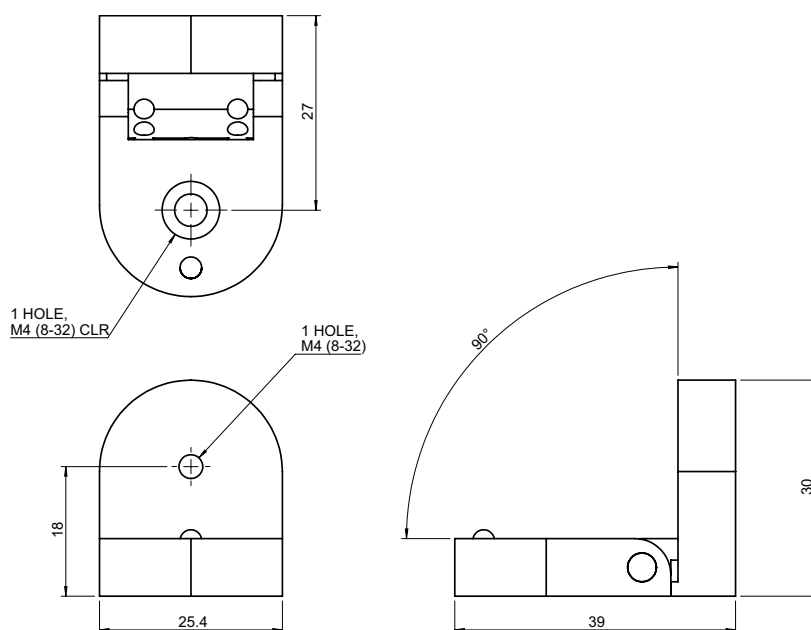
90°



**04FOM-2M+04UPM-3(M)
Demo**

- * Must work with 25.4mm (1") mirror mounts and posts.
- * In order to let the optics locate in or out of the beam path, foldable holder is the ideal choice.
- * Light switch or beam path selector can also be applied after attaching 25.4mm (1") mirror mount.
- * High repeatability and fast locating due to a self-positioning ball joint design.
- * Highly repeatable to 5 arcmin.
- * Stainless steel material increases the usage stability and repetitiveness.
- * With 0°, 45° and 90°, three angular positioning design, can move free and quickly.
- * With one M4 (8-32) threaded hole on the top for 25.4mm (1") mirror mount installation.
- * With one M4 (8-32) clearance hole underneath for post / post holder installation.

	Model	W(kgs)
Metric (mm)	04FOM-2M	0.08
English (inch)	04FOM-2	0.08



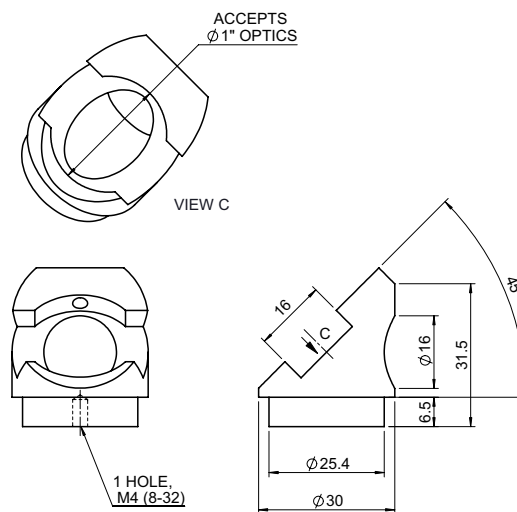
45° Mirror Mount



04MAD-1M

- * This mount provides a precision, fixed, 45° mounting surface for standard Ø25.4mm (1") optics such as mirrors and beamsplitters and holds them in place through a POM-tipped set screw.
- * Rear through hole has a clear aperture of 16mm at the center allows use with standard Ø 25.4mm (1") beamsplitter.
- * 45° mounting adaptor compatible with our all 25.4mm (1") mirror mount to provide a flexible alignment for light from any direction perpendicular to the original direction.
- * Its rigid construction and low profile provide excellent stability when fastened to post system or mirror mount.
- * M4 (8-32) tipped hole at the bottom can be secured to post system.

	Model	W(kgs)
Metric (mm)	04MAD-1M	0.03
English (inch)	04MAD-1	0.03



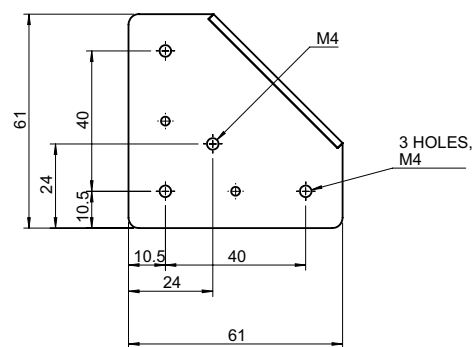
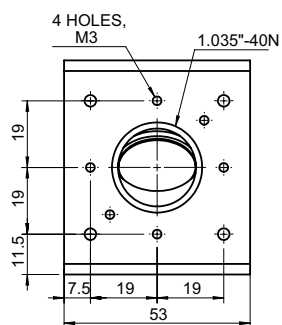
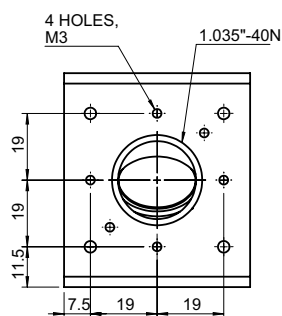
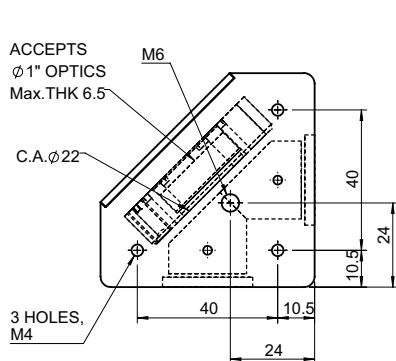
Dust-Free Kinematic Beam Bender for 25.4 mm Optics



04BBR-1M-DF

- * ± 3 degree independent orthogonal mirror mount.
- * M4x0.25mm fine pitch adjuster screw.
- * For 25.4mm(1") optics up to 6mm thick.
- * 12mm clear aperture right angle beam transmission from exit.
- * Sealed design for Dust-free after adjustment.
- * Providing faces and sides mounted holes.
- * Interlock function.
- * 1.035"-40 retaining ring for mounting optics.
- * 2- faces has internal 1.035"-40 threads for alignment purpose.

	Model	Optics		W(kgs)
		Dia.	Max Thickness	
Metric (mm)	04BBR-1M-DF	25.4 mm	6 mm	0.31
English (inch)	04BBR-1-DF	1"	6 mm	0.31



Self-Centering Lens Holder



04SLH-2M

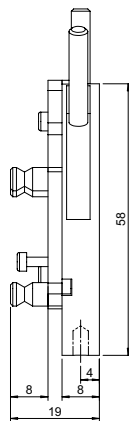
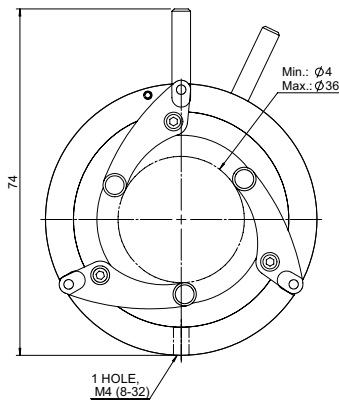


04SLH-3M

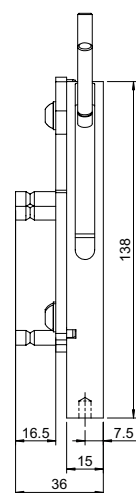
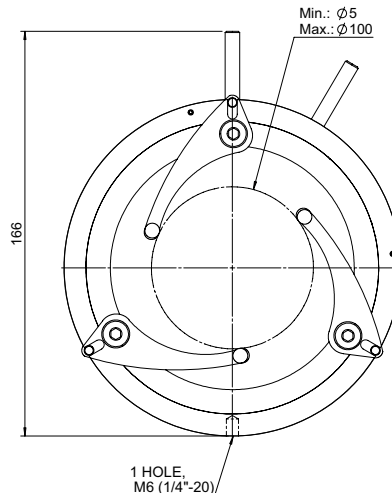
- * Any lens up to the maximum inner diameter of these holders can be secured with equal convenience and exact, rapid, repeatable center location independent of lens diameter.
- * Pull stainless steel pins open a spring-loaded inner ring, which three optic support rods radially to provide easy finger access for inserting and removing optics.
- * When a lens is located in V-groove positioned, Loosen the stainless steel pins then the spring-loaded on the arms can hold the lens gently in place automotive.
- * Two models available which hold optic up to 100mm (3.9") diameter.
- * A conveniently positioned stainless steel pins rotate a spring-loaded inner ring, which three optic support rods radially to provide automatic centration.
- * The optics held by non-marring stainless steel rods that have modified V-groove tips to grip the edge of thin lenses.
- * It is very useful when different diameter lenses must be interchanged while keeping the optical axis height constant.
- * Concentricity $\leq \pm 0.1\text{mm}$.

	Model	Dia.	W(kgs)
Metric (mm)	04SLH-2M	4 ~ 36mm	0.04
	04SLH-3M	5 ~ 100mm	0.31
English (inch)	04SLH-2	4 ~ 36mm	0.04
	04SLH-3	5 ~ 100mm	0.31

04SLH-2M



04SLH-3M



Adjustable-Radius Chucks



04ARC-1M



04ARC-2M

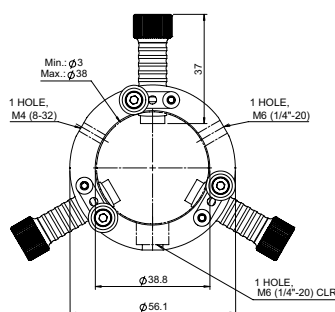


04ARC-3M

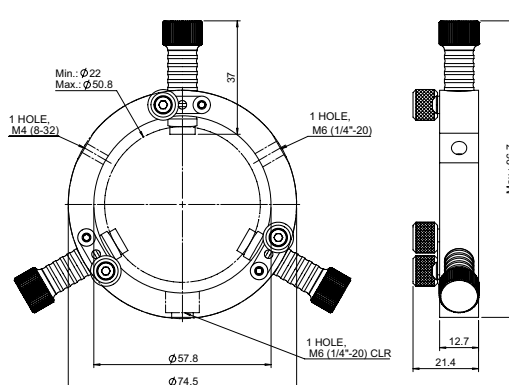
- * With these chucks, it is possible to hold round objects such as lenses, mirrors, or laser tubes in place quickly and safely.
- * All thumbscrews are tipped with V-grooved non-rotating tips that are threaded coarsely to provide a rapid object securing procedure.
- * Easy installation, Non-rotating, broad modified V-grooved (L-shaped) tips orient optics and hold them firmly.
- * With a stainless steel ball on the every chuck as a guide to adjust slide smoothly these chucks arm to securely hold the round objective in centering
- * Three different models are available and hold optics up to 81.2mm diameter.

	Model	Dia.	W(kgs)
Metric (mm)	04ARC-1M	3 ~ 38mm	0.06
	04ARC-2M	22 ~ 50.8mm	0.07
	04ARC-3M	48.3 ~ 81.2mm	0.09
English (inch)	04ARC-1	3 ~ 38mm	0.06
	04ARC-2	22 ~ 50.8mm	0.07
	04ARC-3	48.3 ~ 81.2mm	0.09

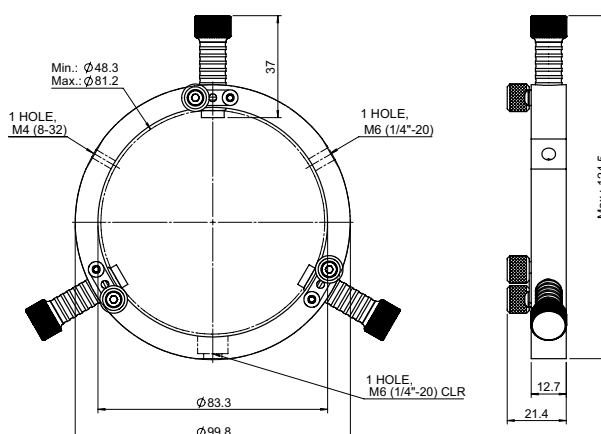
04ARC-1M



04ARC-2M



04ARC-3M



Adjustable Lens Holder



04ALM-2M

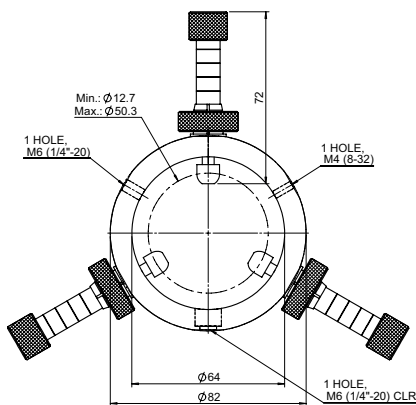


04ALM-4M

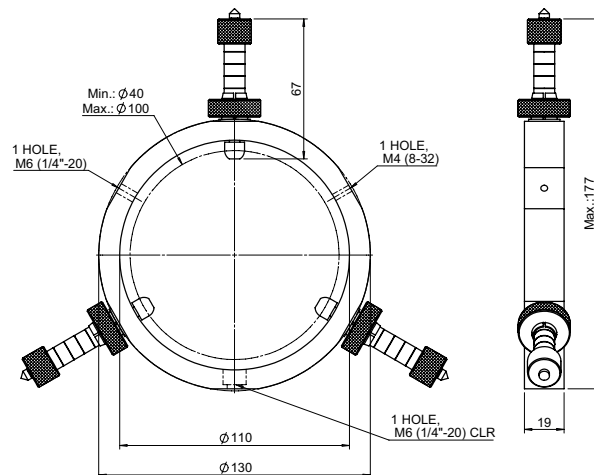
- * Dual-purpose mounting thumbscrews are provided to secure lenses and to fine-tune the position of lenses.
- * These holders are suitable for applications where precise lens alignment is demanded for a fast lens placement.
- * Loosen the bigger knurled knob that close to mount then sliding shaft can be locked in place to secure a lens in a stable position and fasten knurled knob.
- * Thumbscrew on the top of every support rod has fine tune adjustment to secure mounting a lens in place.
- * Thumbscrew provide 3mm (1/8") of fine tune adjustment range.
- * No-rotating, V-grooved tips center objects and hold them securely.
- * Two different models are available and hold optics up to 100mm diameter.

	Model	Dia.	W(kgs)
Metric (mm)	04ALM-2M	12.7 ~ 50.8mm	0.33
	04ALM-4M	40 ~ 100mm	0.41
English (inch)	04ALM-2	12.7 ~ 50.8mm	0.33
	04ALM-4	40 ~ 100mm	0.41

04ALM-2M



04ALM-4M



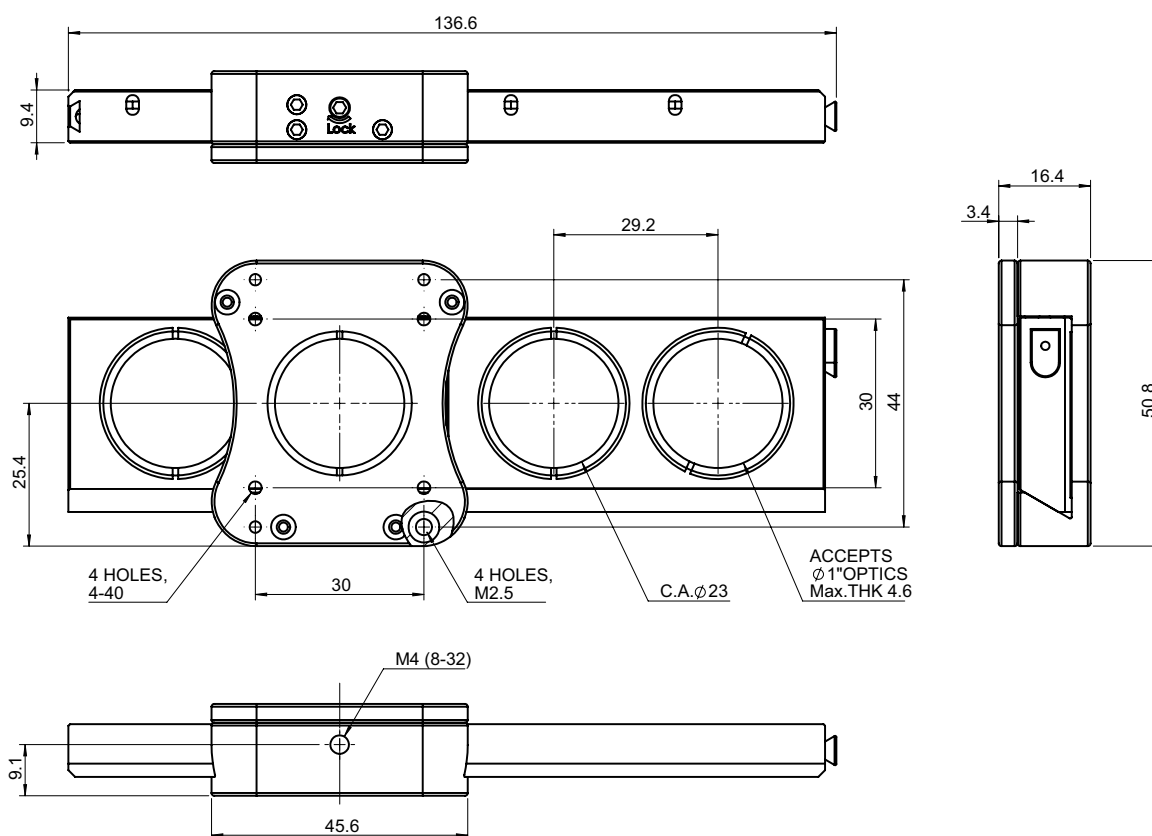
Cage Dovetail Sliding Filter Mount for 25.4mm Optics



04CFM-1M

- * Dovetail design for stable sliding.
- * Ball Plungers design for fixation position accuracy.
- * Stackable each other more flexible in application.
- * Dia. 25.4mm(1") 1.035"-40 thread hole on both sides.
- * M4 (8-32) thread on the bottom for mounting purpose.
- * 30mm cage system is also available.
- * Two dual filter mount 04DFM-1(M) included.

	Model	Optics			W(kgs)
		Dia.	C.A.	Max. Thickness	
Metric (mm)	04CFM-1M	25.4 mm	23 mm	4.6 mm	0.11
English (inch)	04CFM-1	1"	23 mm	4.6 mm	0.11



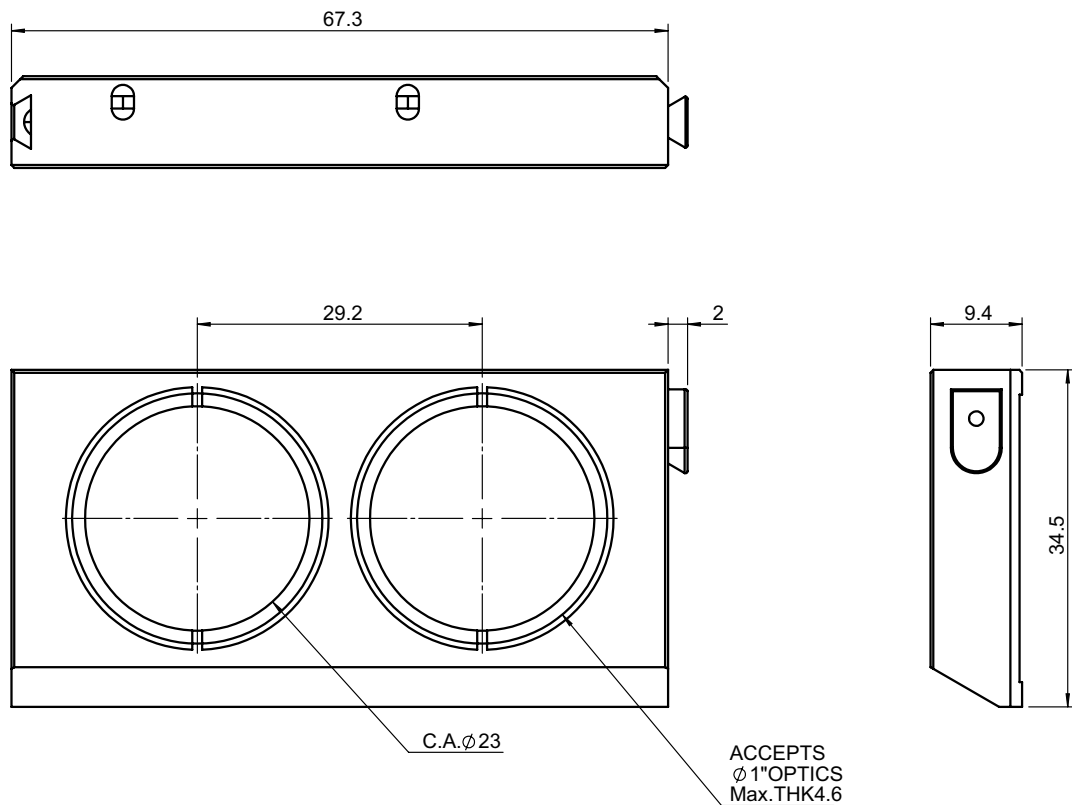
Dual Filters Mount for 25.4mm Optics



- * Use with 04CFM-1M product together.
- * Dual filter holes for different filters.
- * For 25.4mm (1") diameter up to 6mm thick optics can be mounted.
- * 1.035"-40 retaining ring for fixation.
- * Special design on both end for connection filter mount together.
- * Variety Filter optics not included.

Model	Optics			W(kgs)
	Dia.	C.A.	Max. Thickness	
04DFM-1(M)	25.4 mm (1")	23 mm	6 mm	0.03

04DFM-1(M)



Railing-Type Lens / Filter Holder



04VFH-1M

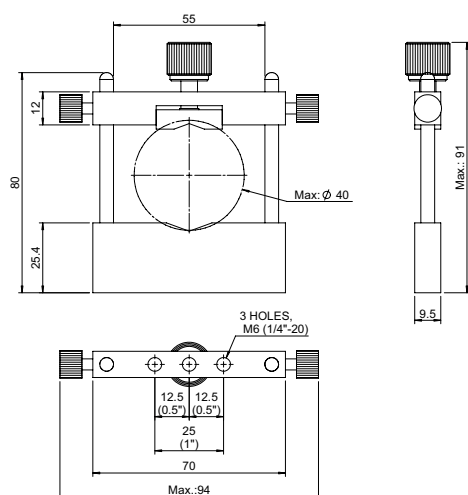


04VFH-2M

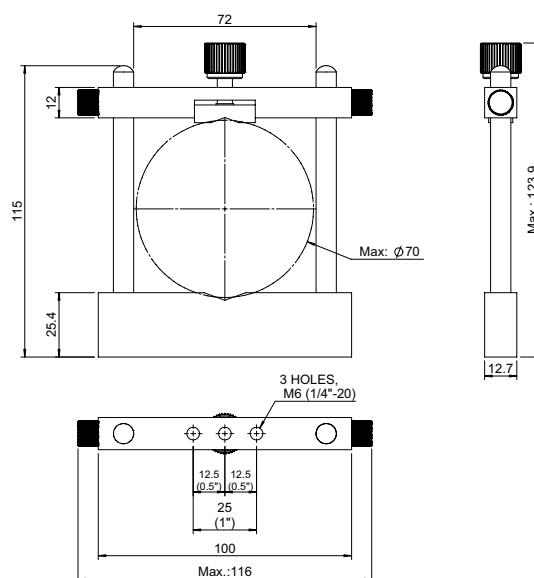
- * Loosen both side knurled knobs, slide down the upper plate until the lens / filter is stable, then tighten both side knurled knob to fix the lens / filter .
- * The Delrin V-grooved, adjustable clamp is used to ensure that the optic is secured by a thumbscrew.
- * Two bars as a guide adjustment so it slides smoothly without wobbling or jamming and locks easily into place by turning the side thumbscrews.
- * 04VFH-1M mounting lenses / filters diameter (or length) up to 40mm.
- * 04VFH-2M mounting lenses / filters diameter (or length) up to 70mm.
- * Turn the center thumbscrew for fine adjustment to ensure the lens or filter firm.
- * Both coarse and fine adjustment function are available.
- * V-grooved base allows quick centering of optics.

	Model	Max. Dia.	W(kgs)
Metric (mm)	04VFH-1M	40mm	0.10
	04VFH-2M	70mm	0.22
English (inch)	04VFH-1	40mm	0.10
	04VFH-2	70mm	0.22

04VFH-1M



04VFH-2M



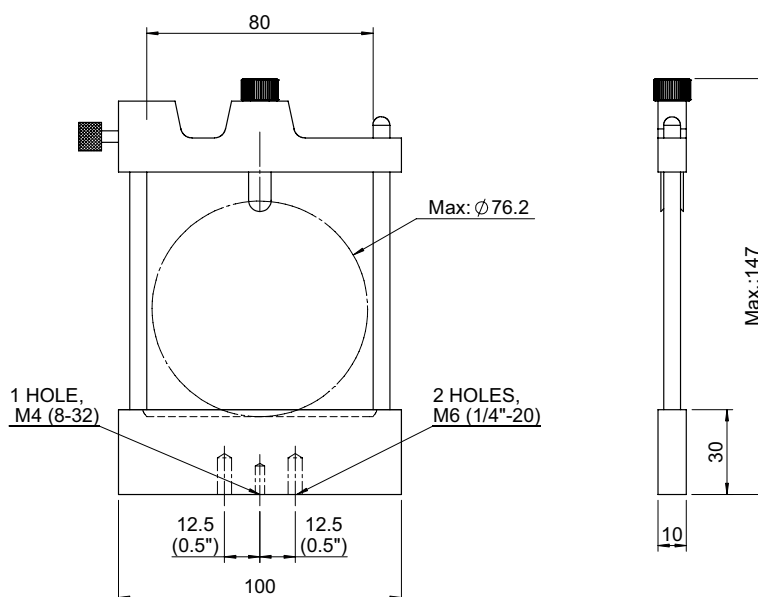
Cylindrical Lens Holder



04VLH-2M

- * The variable cylindrical lens holder is easy to use with both M6 (1/4-20) and M4 (8-32) threaded post systems.
- * The holder has an adjustable upper clamp plate with a spring-loaded V-grooved thumbscrew that securely holds cylindrical lenses up to 76.2mm (3") length.
- * The lower part of the holder has a V-shaped slot mounting base for lens placement that securely holds cylindrical lenses up to 76.2mm (3") length.
- * Two bars as a guide adjustment so it slides smoothly without wobbling or jamming and locks easily into place by turning the side thumbscrew.
- * Thumbscrew in the center of upper plate provides fine adjustment and fixation.
- * For mounting cylindrical lenses up to 76.2mm (3") length.

	Model	Max. Dia.	W(kgs)
Metric (mm)	04VLH-2M	76.2	0.19
English (inch)	04VLH-2	3	0.19



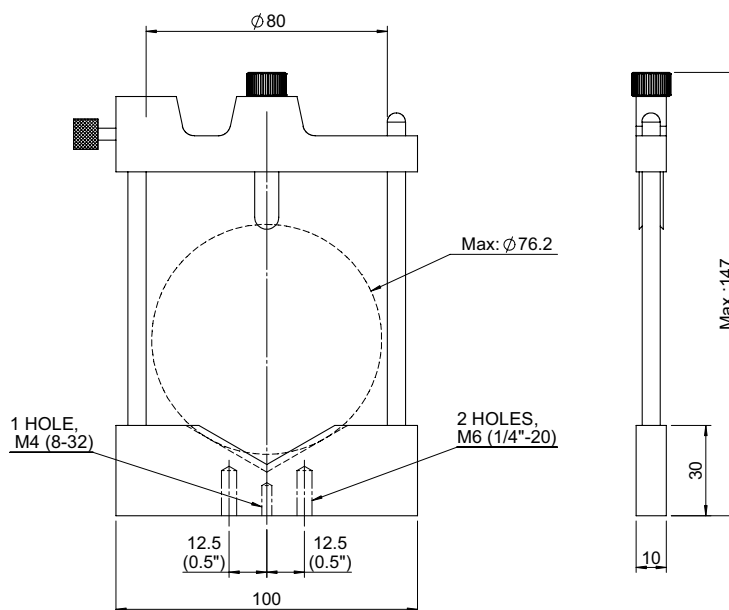
Variable Lens Holder



04VLH-3M

- * The variable cylindrical lens holder is easy to use with both M6 (1/4-20) and M4 (8-32) threaded post systems.
- * The holder has an adjustable upper clamp plate with a spring-loaded V-grooved thumbscrew that securely holds any shape lenses.
- * Model 04VLH-3M is provided with a V-shaped mounting base for quick centering of optics.
- * Two bars as a guide adjustment so it slides smoothly without wobbling or jamming and locks easily into place by turning the side thumbscrew.
- * Thumbscrew in the center of upper plate provides fine adjustment and fixation.
- * For mounting optics from 12.7mm (0.5") up to 76.2mm (3") diameter.

	Model	Dia.	W(kgs)
Metric (mm)	04VLH-3M	12.7 ~ 76.2	0.18
English (inch)	04VLH-3	0.5 ~ 3	0.18



Precision Mirror / Beamsplitter Mount



04PMH-2M



04PMH-4M

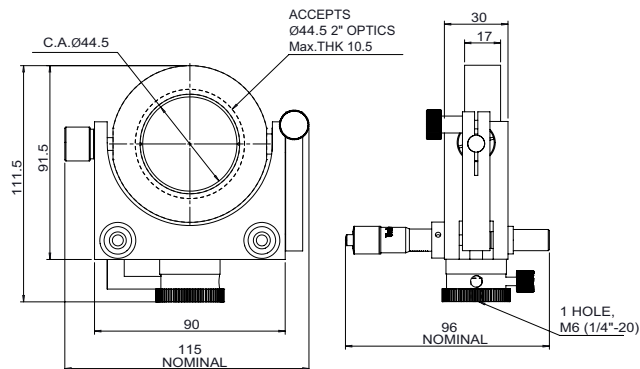


04PMH-6M

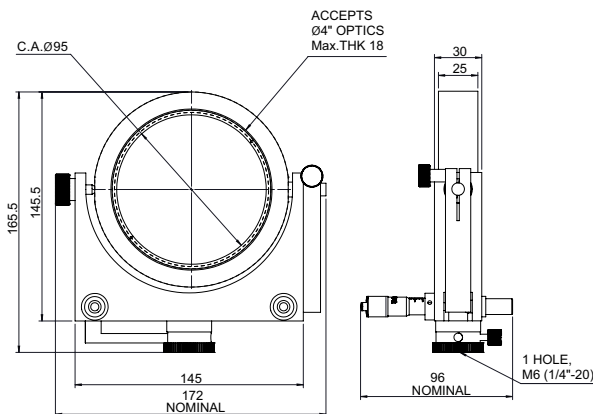
- * Round mirrors or beamsplitters are held firmly in place by a retaining ring for robust positioning.
- * There are fine/coarse adjustment by thumbscrew and micrometer while mirrors or beamsplitter in place.
- * Furthermore, it is possible to place such mounted components at an arbitrary elevation when the system is held at a fixed azimuth.
- * Full 360 degree adjustment for azimuth by turning the side thumbscrew.
- * Fine adjustment for azimuth by micrometer that located at the same side with thumbscrew.
- * Full 360 degree adjustment for rotation by turning the thumbscrew at the center.
- * Fine adjustment for rotation by micrometer that located at the other side.
- * Three models are available to hold optics of 50.8mm up to 10mm thickness, 101.6mm up to 18mm thickness and 152.4mm up to 18mm thickness (2", 4", and 6") diameter separately.

	Model	Dia.	W(kgs)
Metric (mm)	04PMH-2M	50.8	0.44
	04PMH-4M	101.6	0.87
	04PMH-6M	152.4	1.32
English (inch)	04PMH-2	2	0.44
	04PMH-4	4	0.87
	04PMH-6	6	1.32

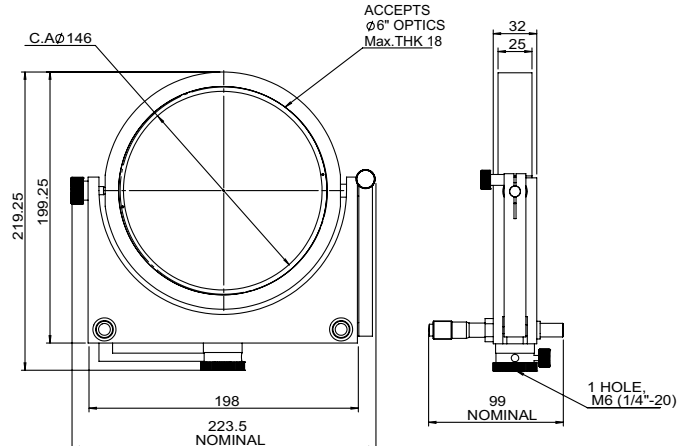
04PMH-2M



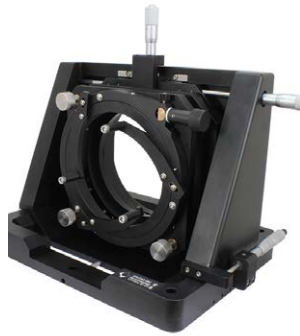
04PMH-4M



04PMH-6M



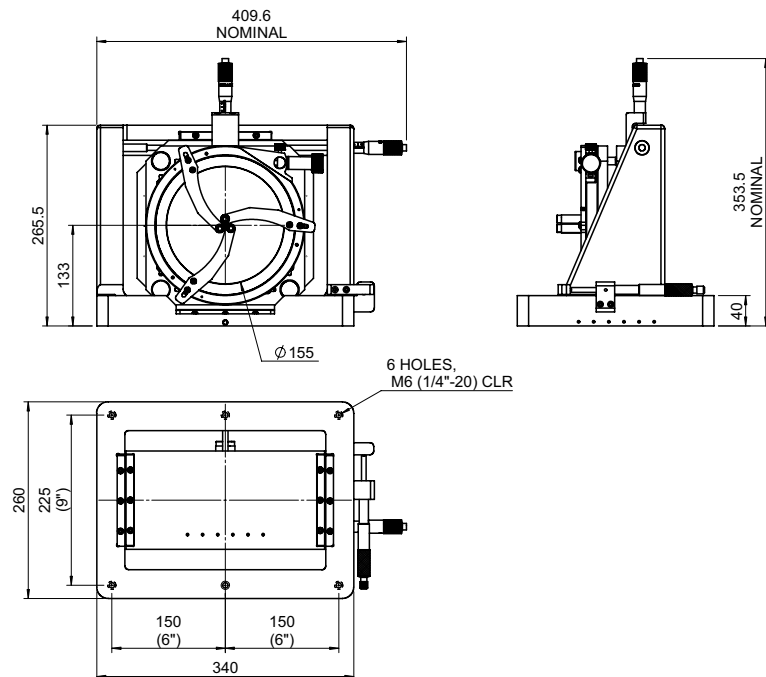
XYZ θ x θ y Axis 6" Large Optical Mount



04LOM-6M

- * Providing X, Y, Z, θ x, θ y 5 axis adjustments.
- * Traving Range: 25mm in XY each direction, 50mm in Z direction.
- * Tilt/Tip (θ x, θ y) angular range: ± 3 degree with M6x0.25mm precision thumbscrew.
- * Center Height:133 mm.
- * 3-Jaw self centering optics holder max. diameter up to 152.4mm (6") and thickness up to 25mm.
- * With a single knob the mount adjusts from 0 to full diameter 152.4mm (6").
- * Resolution: 0.01mm in XYZ direction.
- * 6-M6 (1/4-20) clearance holes for mounting on optical table.
- * Aluminum Alloy material and black anodized.

	Model	W(kgs)
Metric (mm)	04LOM-6M	27
English (inch)	04LOM-6	27



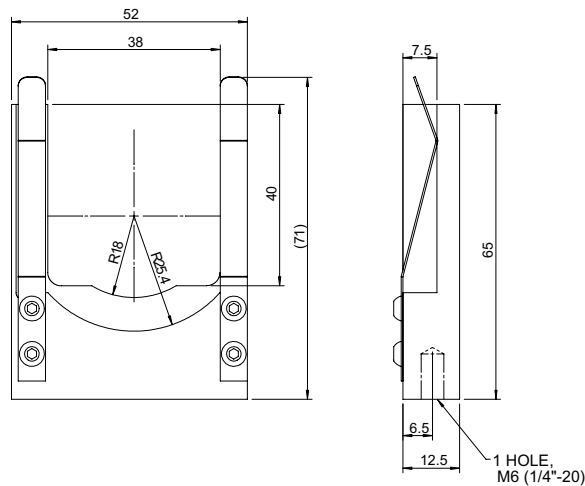
Single Filter Holder



04SFH-2M

- * Filters or test targets are held instantly while sliding them behind stainless steel spring clips.
- * Repeatability is maintained by a side flat and a right-angle guide on one upright.
- * The threaded hole on the bottom allows for versatile application.
- * Supports 50.8mm x 50.8mm (2" x 2") square filters or test targets.
- * Round filters that are 50.8mm (2") diameter are available.
- * One upright has a L-shaped design for interchanging optics without disturbing its optical axis.
- * Max. thickness up to 7mm.

	Model	W(kgs)
Metric (mm)	04SFH-2M	0.05
English (inch)	04SFH-2	0.05



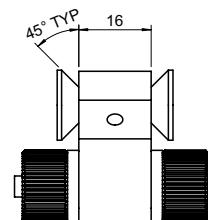
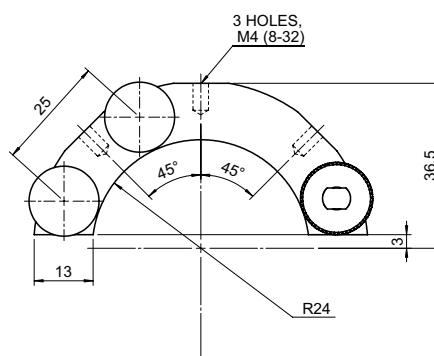
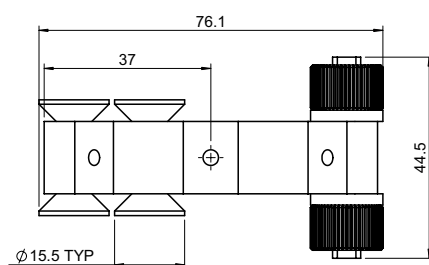
Dual Filter Holder



04DHF-2M

- * This holder is designed to handle both square or round filters.
- * Filters are fitted in place immediately by simply setting them down; realignment is guaranteed by machined dovetail stops.
- * Additionally, two filters can be held independently.
- * For dual filter holder, the filters do not come into contact and potential scratching is avoided.
- * The low profile design provides a minimum obstruction of working light.
- * One corner of the filter at the bottom reaches to dovetail pin and the other one corner on the inside of the thumbscrew and firmed it by thumbscrew.

	Model	W(kgs)
Metric (mm)	04DHF-2M	0.06
English (inch)	04DHF-2	0.06



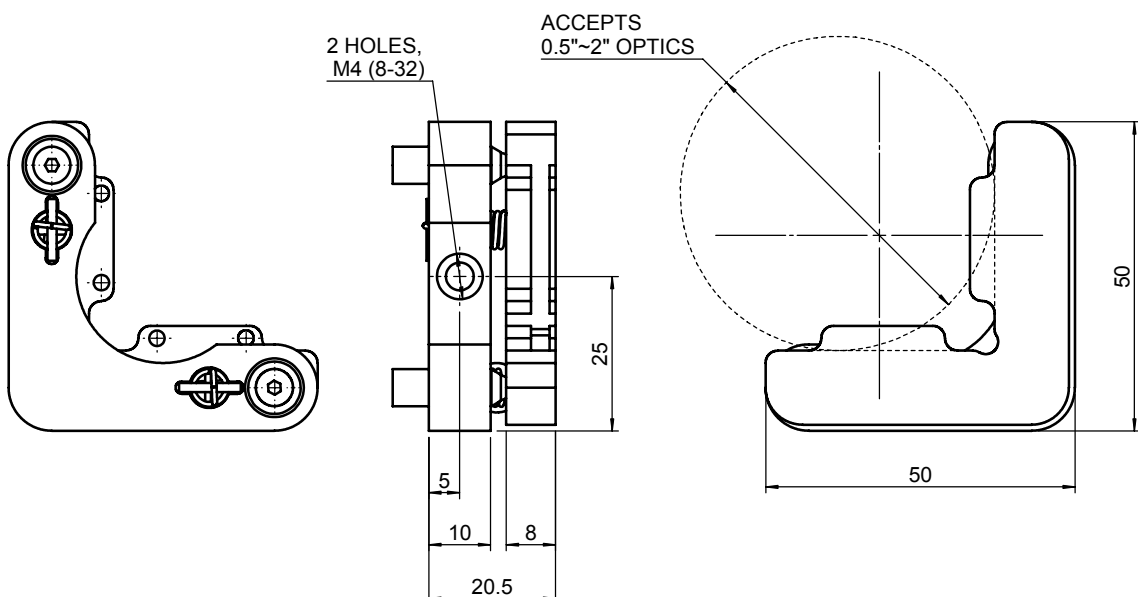
Hex Drive Rectangular Filter Mount



04RFM-1(M)-H

- * Metric and English both available.
- * Best solution for rectangle / square optical components, such as filters, dichroic mirrors films, test target---etc.
- * Adjustment motion by M6x0.25mm stainless steel hex-head precision screws.
- * Very tight tolerance and damping grease between stainless steel precision screw and bushing to form a negligible backlash combination.
- * Stainless steel precision screw and phosphor bronze bushing is an ideal combination provides smooth, wobble-free and long-term stability.
- * Use two stainless steel pins as a cost effective guide for smooth adjustment.
- * Suitable for 12.7mm x 12.7mm to 50.8mm x 50.8mm optics sizes.
- * Maximum thickness of optic is up to 3mm.
- * L-shaped upright plate design for interchanging optics without disturbing its original optical axis.
- * Locks the optics by 4 pieces of damaged-free plastic set screws.
- * Maximum Torque < 10 N. (We do not recommend using an L-Shape wrench to tighten the set screws in order to avoid breaking off it.)
- * Tilt/Tip adjustment range of $\pm 3.5^\circ$
- * Max. Torque: 1kgf-cm

Model	W(kgs)
04RFM-1(M)-H	0.06



Rectangular Filter Mount



04RFM-1(M)

- * Metric and English both available.
- * Best solution for rectangle / square optical components, such as filters, dichroic mirrors films, test target---etc.
- * Adjustment motion by M6x0.25mm high precision stainless steel thumb-screws.
- * Very tight tolerance and damping grease between stainless steel precision screw and bushing to form a negligible backlash combination.
- * Stainless steel precision screw and phosphor bronze bushing is an ideal combination provides smooth, wobble-free and long-term stability.
- * Use two stainless steel pins as a cost effective guide for smooth adjustment.
- * Suitable for 12.7mm x 12.7mm to 50.8mm x 50.8mm optics sizes.
- * Maximum thickness of optic is up to 5mm.
- * L-shaped upright plate design for interchanging optics without disturbing its original optical axis.
- * Locks the optics by 4 pieces of damaged-free plastic set screws.
- * Maximum Torque < 10 N. (We do not recommend using an L-Shape wrench to tighten the set screws in order to avoid breaking off it.)
- * Tilt/Tip adjustment range of $\pm 3.5^\circ$
- * Max. Torque: 1kgf-cm

Model	W(kgs)
04RFM-1(M)	0.09

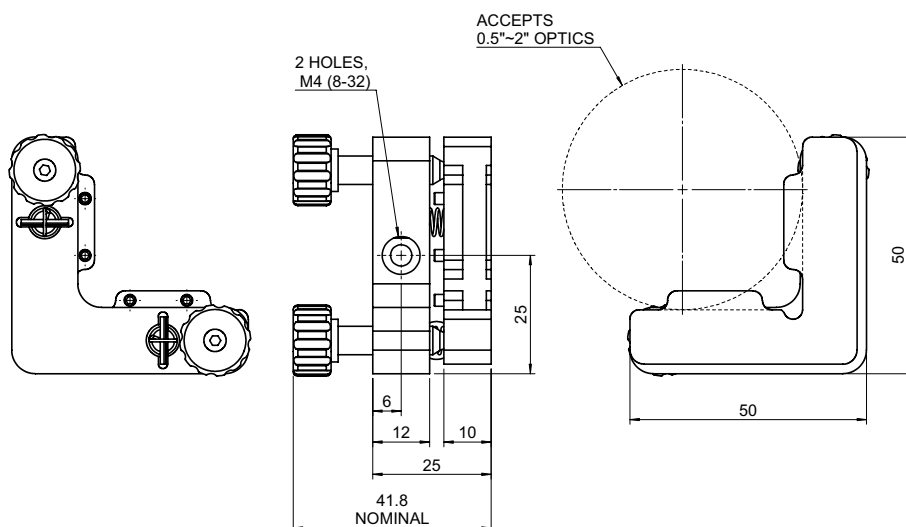


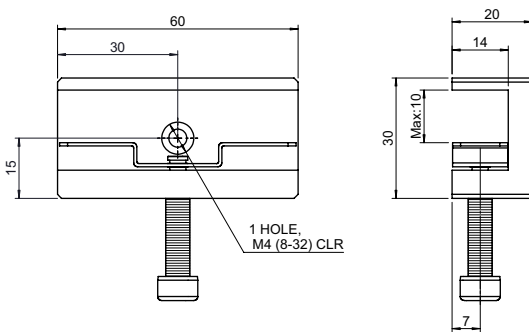
Plate Holder



04PHF-1(M)

- * Metric and English both available.
- * Plate holder 04PHF-1(M) is a simple holder for thick plates of up to 10mm thick.
- * The spring-loaded strip and rub-resistant pad design provide a firm and scratch-free support for variety of plates.
- * Any shape or dimension of filter or plate is convenient to hold.
- * M4 (8-32) clearance hole for post or platform mounting.

Model	W(kgs)
04PHF-1(M)	0.06

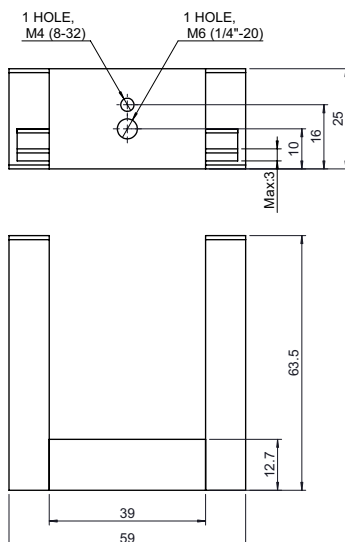


Fixed Plate Holder



04PHF-2M

- * The vertical design is built to handle square optical devices with fixed width.
- * The plate is positioned by sliding in from the top.
- * This easy handling allows quick usage without distracting the operator.
- * Accuracy is maintained by precision machining and adjustable spring tension that keeps the device perpendicular to the optical axis.
- * For 50.8mm x 50.8mm (2" x 2") square filters, plates, test targets.
- * Special inclined design on the top is useful for working in the dark.
- * Maximum plate thickness is 3mm.
- * Elements with different thickness can be properly stabled by the spring tension adjustment.
- * There are M6 (1/4-20) and M4 (8-32) tapped holes for post or threaded base mounting.



	Model	W(kgs)
Metric (mm)	04PHF-2M	0.11
English (inch)	04PHF-2	0.11

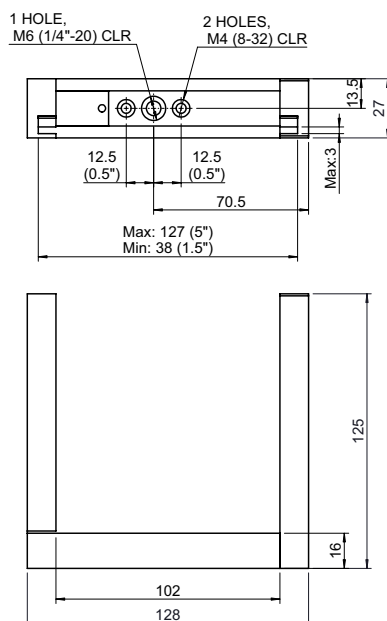
Adjustable Plate Holder



04PHF-4M

- * The straightforward design is built to handle square optical components.
- * The plate is positioned by sliding in from the top and kept perpendicular to its optical axis through the tension adjustment of a spring.
- * This easy handling allows quick usage without distracting the operator.
- * Similar to 04PHF-2M but with active design to hold plate from 38mm to 127mm (1.5" to 5.0") in width.
- * Special inclined design on the top is useful for working in the dark.
- * Maximum plate thickness is 3mm.
- * Elements with different thickness can be properly stabled by the spring tension adjustment.
- * There are M6 (1/4-20) and M4 (8-32) clearance holes for post or threaded base mounting.

	Model	Range	W(kgs)
Metric (mm)	04PHF-4M	38 ~ 127	0.29
English (inch)	04PHF-4	1.5 ~ 5	0.29



Variable N.D. Filter Mount



04NDH-0.5M



04NDH-1M



04NDH-2M

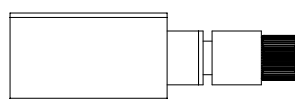
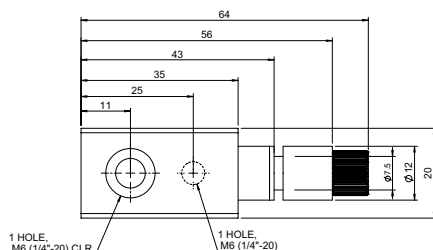


04NDH-3(M)

04NDH-3(M)+07LSR-1(M)

Demo

04NDH-1M

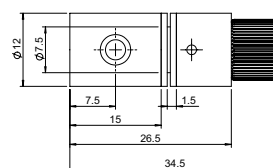
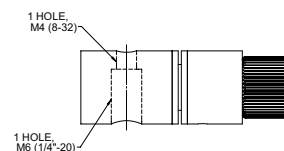


- * This series of mounts is designed for secure positioning of variable beamsplitters or filters.
- * This series of mounts (model 04NDH-0.5M, 1M, 2M) is fitted with M6 (1/4-20) or M4 (8-32) clearance or tapped holes for post system mounting.
- * These mounts offer a secure fixation variable beamsplitter or filter while allowing arbitrary rotation.
- * All three models 04NDH-0.5M, 1M, and 2M can be mounted on post system but model 04NDH-3(M) should be mounted with 07LSR-1M large stand rod (sold separately).
- * Model 04NDH-3(M) is a fine adjustment for alignment with two micrometers.
- * 04NDH-0.5M / 1M offer a spindle for inner diameter 7.5mm aperture optics.
- * 04NDH-2M offers a large 25.4mm (1") spindle combined with M6 (1/4-20) tapped and clearance mounting holes.
- * 04NDH-3(M) offer a spindle for inner diameter 25.4mm (1") optics is mounted on 38.1mm (1.5") large stand rod with micrometer adjustments for pitch and yaw.
- * Angle adjustment range $\pm 4^\circ$ for 04NDH-3M.

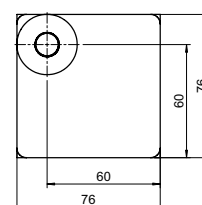
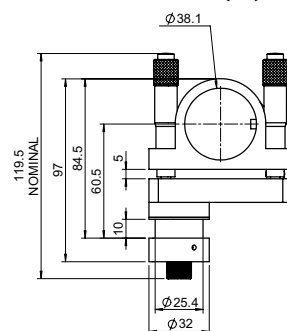
	Model	Inner Dia.	W(kgs)
Metric (mm)	04NDH-0.5M	7.5mm	0.01
	04NDH-1M	7.5mm	0.05
	04NDH-2M	25.4mm	0.22
English (inch)	04NDH-0.5	7.5mm	0.01
	04NDH-1	7.5mm	0.05
	04NDH-2	25.4mm	0.22

	Model	Inner Dia.	W(kgs)
	04NDH-3(M)	25.4mm	0.62

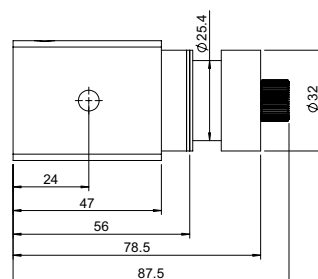
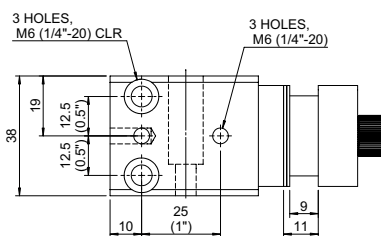
04NDH-0.5M



04NDH-3(M)



04NDH-2M



Indexed Circular Filter Wheel Mount



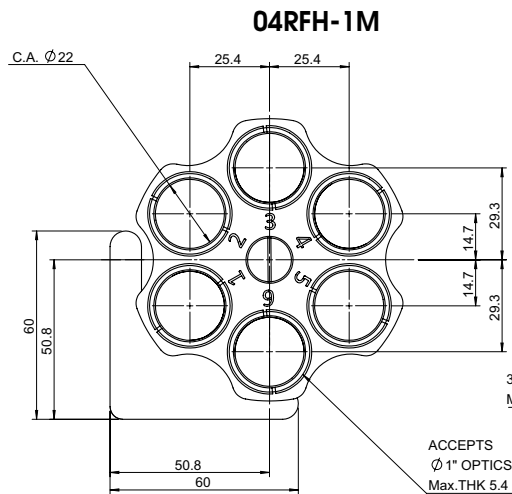
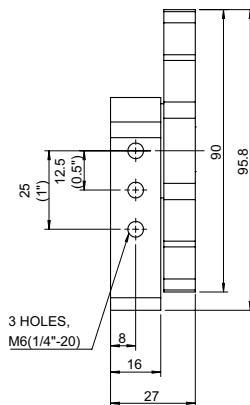
04RFH-1M



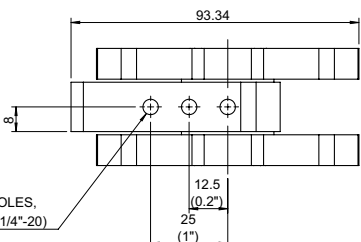
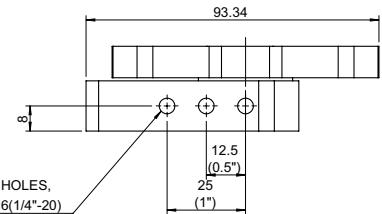
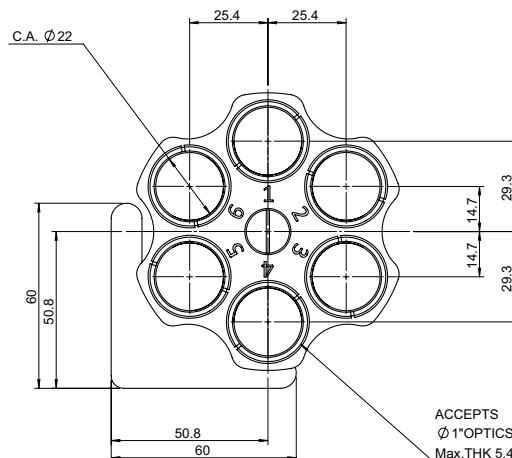
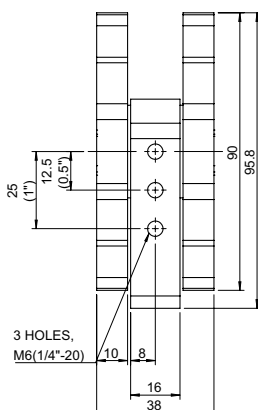
04RFH-2M

- * Precise reproducible positioning mechanism, and independent double wheels make multiple combinations of filters or optics and up to 6 filters per wheel.
- * Retaining ring 26.3-32 locks filters or optics evenly in place.
- * Used with 25.4mm (1") diameter filters or optical component.
- * Indexed 1-6 on the wheel for easy identification.
- * Easy handling no matter installation or remove, 07ASW-2 spanner wrench is available.
- * 04RFH-1M allows up to 6 filters to be mounted; 04RFH-2M allows up to 12 filters to be mounted.
- * Spring-loaded index balls provide repeatable and wobble-free rotation of the filter wheel when hand turning.
- * Compatible up to 5mm thickness optical filters/lenses.
- * M6 (1/4-20) tapped holes on both bottom provide horizontal and vertical usage.

	Model	W(kgs)
Metric (mm)	04RFH-1M	0.19
	04RFH-2M	0.27
English (inch)	04RFH-1	0.19
	04RFH-2	0.27



04RFH-2M



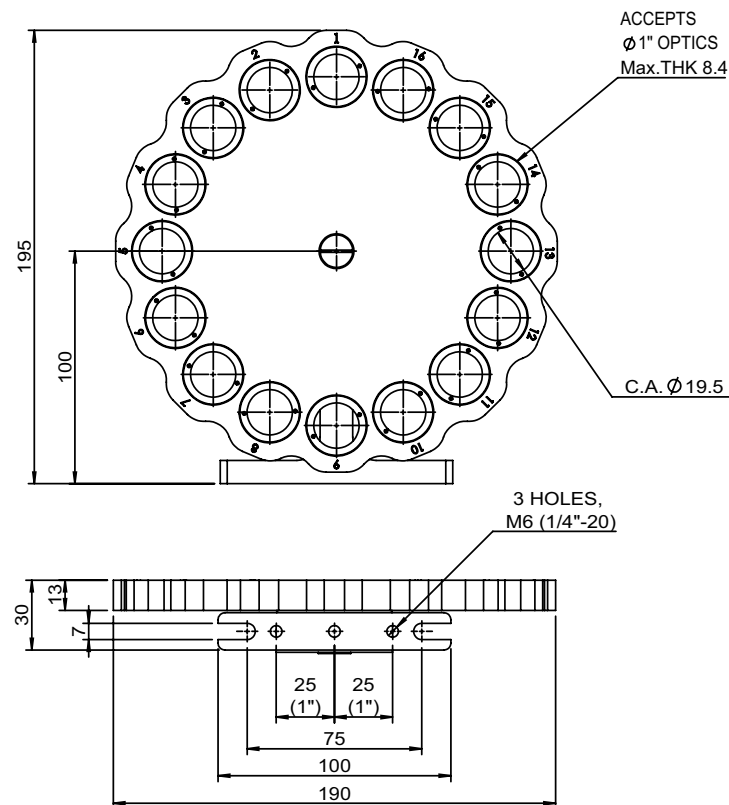
Sixteen Position Indexed Filter Wheel



04RFW-16M

- * The sixteen position indexed filter wheel provides a compact structure to securely hold any 25.4mm (1") neutral density filters or optical component.
- * Retaining ring 1.035"- 40 locks filters or optics evenly in place.
- * Spring-loaded index balls provide repeatable and wobble-free rotation of the filter wheel when hand turning.
- * Compatible up to 7mm thickness optical filters/lenses.
- * Indexed 1-16 on the wheel for easy identification.
- * Easy handling no matter installation or remove, 07ASW-2 spanner wrench is available.
- * M6 (1/4"-20) clearance hole slot on both sides of the bottom provides easy installation and fixture on table or optomechanism.

	Model	W(kgs)
Metric (mm)	04RFW-16M	0.86
English (inch)	04RFW-16	0.86



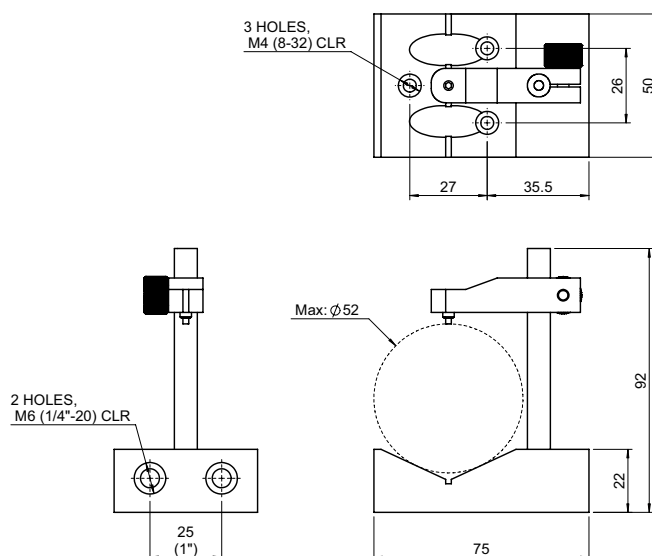
Cylindrical Object Holder



04VCH-1M

- * This V-grooved base is designed not only for large cylindrical objects, such as a laser head, but also for optics by a POM- tipped set screw on the clamp to fix.
- * This component can be assembled with 07RCP-series Rod Clamp and 07LSR-series Stand Rod. Both vertical and horizontal are allowed for height adjustment.
- * If connected with 03PRT-4M, the tilt/tip are adjustable.
- * For any Max. 52mm diameter optics or cylinder objects.
- * Loosen side knurled knob, slide down the clamp plate of rigid rod until the lens / filter is stable, then tighten side knurled knob to fix the lens / filter .
- * Two M6 (1/4-20) clearance mounting holes can be used to connect with 07RCP-series for height adjustment and three M4 (8-32) clearance mounting holes can be used to connect with 03PRT-4M for tilt adjustment.
- * Larger diameter cylindrical objective holder available upon request.

	Model	W(kgs)
Metric (mm)	04VCH-1M	0.20
English (inch)	04VCH-1	0.20



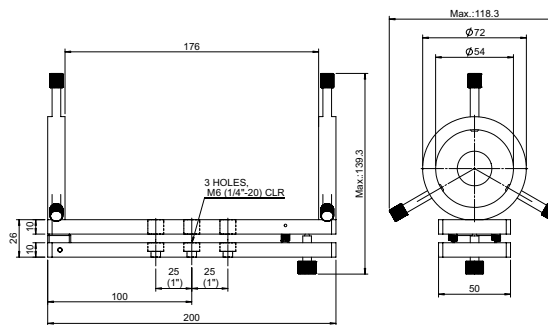
Cylindrical Laser Mount



04LMC-1M

- * This robust mount securely fastens long cylindrical devices such as a laser tube.
- * Thumbscrews firmly mount the laser tube at both ends to maintain a dependable mounting.
- * Clearance-mounting holes located at the center of gravity allows a quick and reliable setup and easy access to the mounting screw from the top.
- * A tilt from -7mm to 4mm is provided for fine tuning by thumbscrew in bottom.
- * Single direction tilt adjustment for laser beam alignment purpose.
- * Acceptable cylindrical lasers diameter up to 54mm.
- * M6 (1/4-20) clearance holes for post mounting.

	Model	W(kgs)
Metric (mm)	04LMC-1M	0.70
English (inch)	04LMC-1	0.70



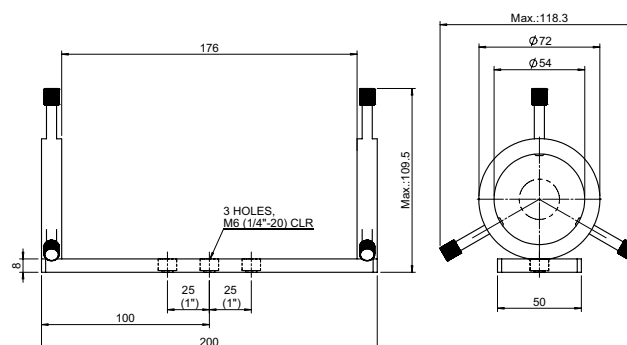
Economical Cylindrical Laser Mount



04LMC-2M

- * Laser mount 04LMC-2M offers a simple way of mounting laser tube in place to all mechanism surfaces.
- * Thumbscrews firmly mount the laser tube at both ends to maintain a dependable mounting.
- * Acceptable cylindrical lasers diameter up to 55mm.
- * M6 (1/4-20) clearance holes for post mounting.
- * Cost-effective, easy to use.

	Model	W(kgs)
Metric (mm)	04LMC-2M	0.39
English (inch)	04LMC-2	0.39



Tilt / Rotation Adjustable Cylindrical Object Mount



04LMR-4AM

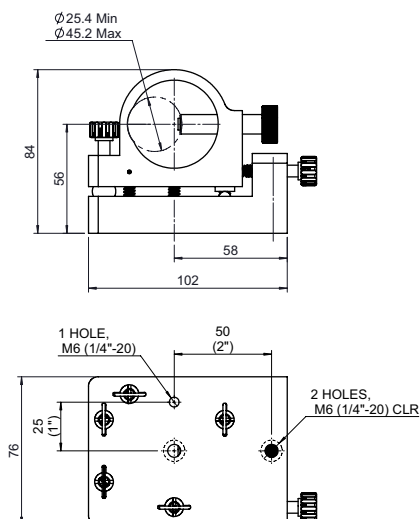


04LMP-4AM

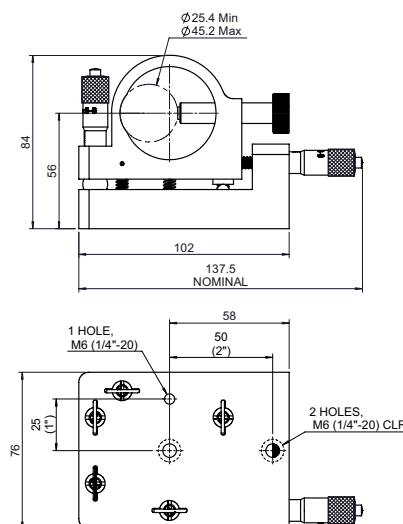
- * Inner eccentric arc design throughout the hole to avoid slip when POM-tipped thumbscrew fixed cylindrical objective to form stability coplanar.
- * Holds cylindrical objective or laser heads of 25.4 ~ 45mm (1 ~ 1.77") diameter.
- * A POM-tipped thumbscrew against V-groove contacts is provided to prevent laser head from wobbling while mounted in place.
- * M6 (1/4"-20) clearance holes for post system, optical table, breadboard or other mechanism mounted such as large stand 07LSR-1M and clamp 07RCP-1M.
- * 04LMR-4AM driven by two independent M6x0.25mm stainless steel high precision thumbscrews are provided for two axes of precision angular adjustment.
- * 04LMP-4AM driven by two independent micrometers device are provided for two axes of precision angular adjustment.
- * Angle adjustment range $\pm 3.5^\circ$ for each axis.

	Model	Type	W(kgs)
Metric (mm)	04LMR-4AM	M6 x 0.25mm	0.89
	04LMP-4AM	Micrometer	0.92
English (inch)	04LMR-4A	M6 x 0.25mm	0.89
	04LMP-4A	Micrometer	0.92

04LMR-4AM



04LMP-4AM



XY θ_x θ_y Axis Vertical Beam Expander Mount for 38.1mm



- * X,Y, θ_x , θ_y -4Axis Adjustment.
- * Stable, Compact and Rigidly.
- * Especial design for diameter 38.1mm beam expander or cylindrical objective.
- * Vertical adjustment for save space.
- * Customized diameter upon request.

Model	W(kgs)
04VBM-038(M)	1

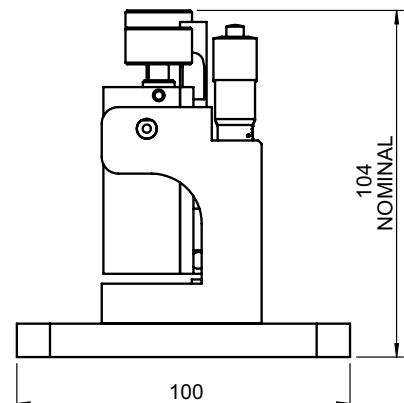
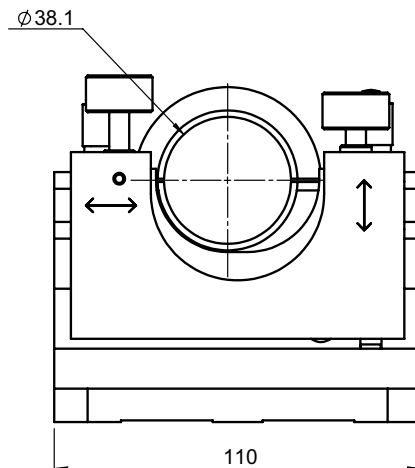
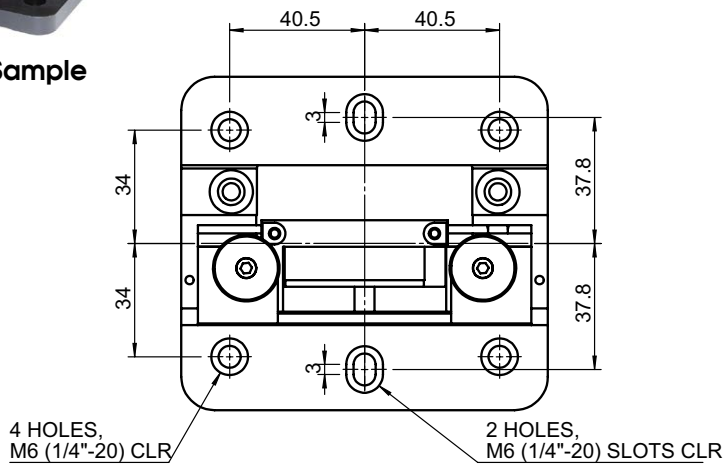


04VBM-038(M)

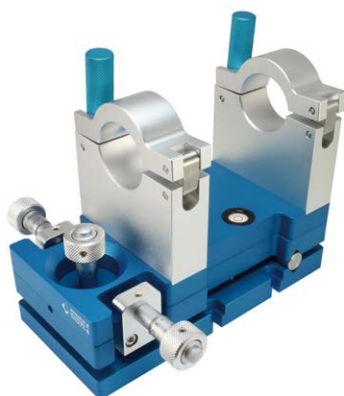


04VBM-038(M)

Combine Sample



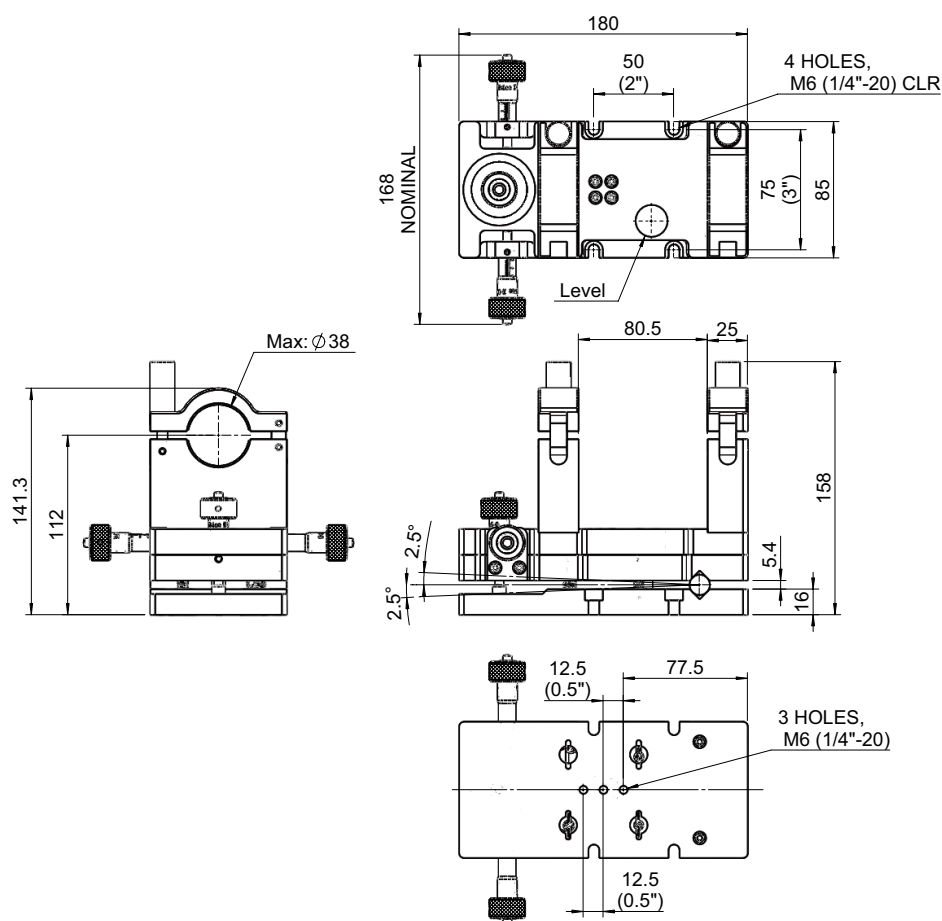
Large Cylindrical Object Holder for $\Phi 38\text{mm}$



04VCM-038-2M

- * Special design for 38mm diameter cylinder device such as autocollimator.
- * Dual C-type ring design for quick fixture and removal.
- * Allows one direction tilt and rotation adjustments function.
- * Tilt adjustment range of $\pm 2.5^\circ$.
- * Rotary angle adjustment range of $\pm 2.5^\circ$.
- * Center of height: 112mm.
- * Surface size: 180 x 85 x 158mm.
- * Using two micrometers forward/backward at the same time to achieve fine rotation adjustment.
- * Large diameter knurled knob design to increase the adjustment precision.
- * Added level indicator on the surface of platform as adjustment reference.
- * Can be placed on breadboards, optic tables or any mechanical platform with M6 (1/4-20) thread mounting holes.

	Model	W(kgs)
Metric (mm)	04VCM-038-2M	2.64
English (inch)	04VCM-038-2	2.64



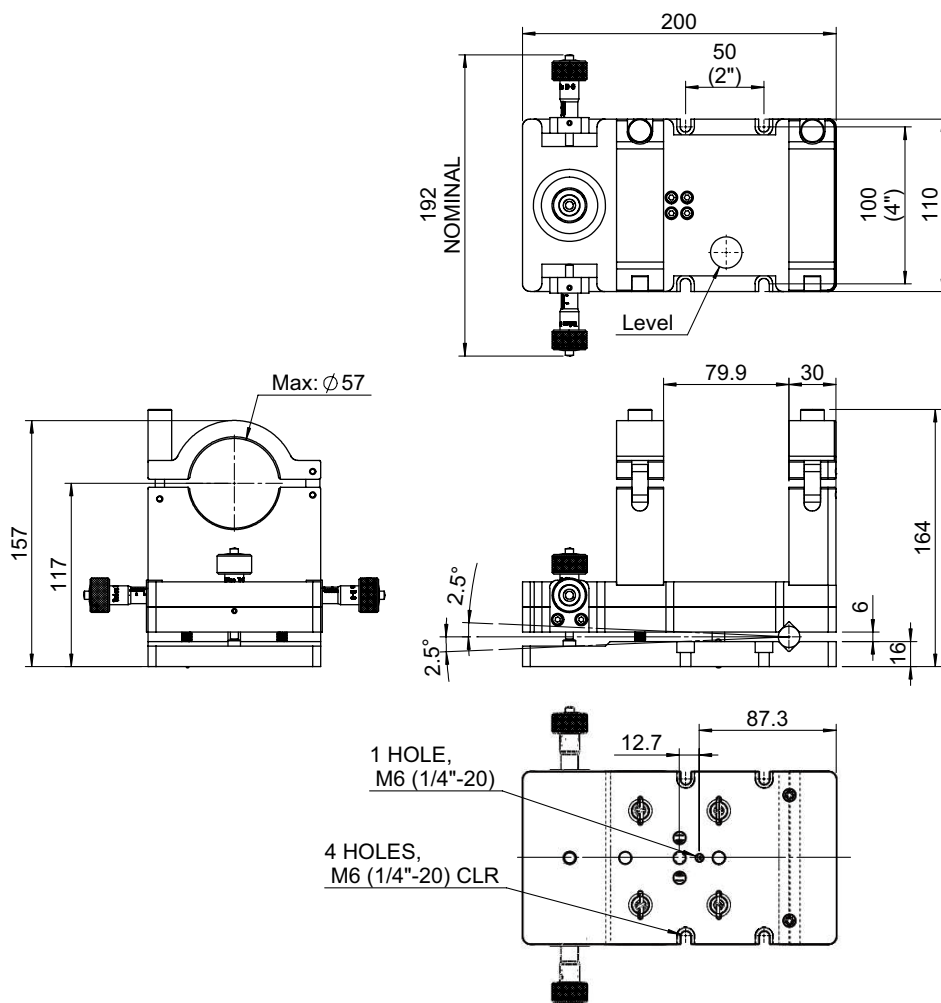
Large Cylindrical Object Holder for Ø57mm



04VCM-057-2M

- * Special design for 57mm diameter cylinder device such as autocollimator.
- * Dual C-type ring design for quick fixture and removal.
- * Allows one direction tilt and rotation adjustments function.
- * Tilt adjustment range of $\pm 2.5^\circ$.
- * Rotary angle adjustment range of $\pm 2.5^\circ$.
- * Center of height: 117mm.
- * Surface size: 200 x 110 x 164mm.
- * Using two micrometers forward/backward at the same time to achieve fine rotation adjustment.
- * Large diameter knurled knob design to increase the adjustment precision.
- * Added level indicator on the surface of platform as adjustment reference.
- * Can be placed on breadboards, optic tables or any mechanical platform with M6 (1/4-20) thread mounting holes.

	Model	W(kgs)
Metric (mm)	04VCM-057-2M	3.94
English (inch)	04VCM-057-2	3.94



Rod- Mounted Mirror Mount



04RMM-1(M) / 1.5(M)



04RMM-2(M)

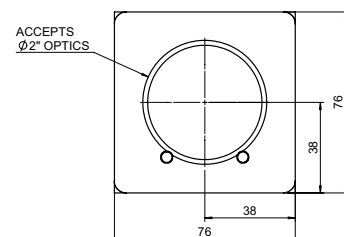
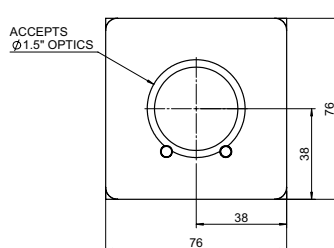
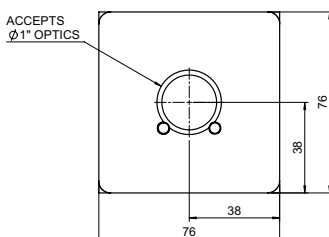
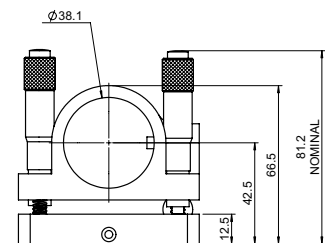
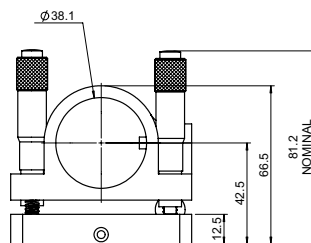
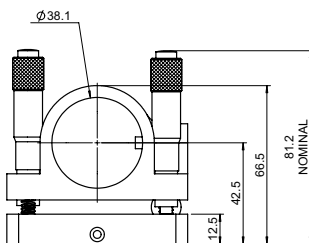


**04RMM-2(M) +07LSR-1(M)
Demo**

04RMM-1(M)

04RMM-1.5(M)

04RMM-2(M)



- * Metric and English both available.
- * Mirrors are secured in a sturdy mount with clear apertures in several sizes.
- * The mirror mount is attached to a 38.1mm (1.5") mounting rod (sold separately as model 07LSR-1M) to move height along the rod and tilt/tip adjustment itself.
- * The height of mirror mount is moved by finger adjustment in position.
- * A POM-tipped set screw is designed to fix heights.
- * Micrometer device to get precision adjustment.
- * Supports mirrors with diameters of 25.4mm, 38.1mm and 50.8mm (1", 1.5" and 2").
- * Precision control of elevation and azimuth angles.
- * Orthogonal adjustment for an angular range of $\pm 4^\circ$ for each direction.

Model	Dia.	W(kgs)
04RMM-1(M)	25.4mm	0.54
04RMM-1.5(M)	38.1mm	0.48
04RMM-2(M)	50.8mm	0.48

Rod-Mountable Mirror Mount



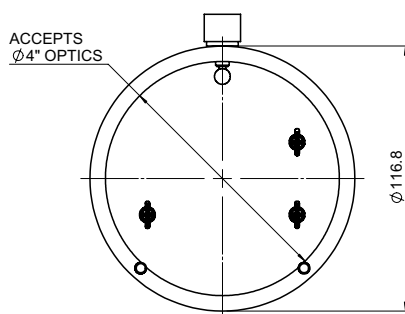
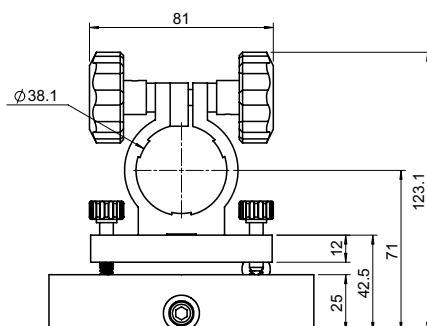
04RMM-4S(M)

- * Metric and English both available.
- * Our Rod-Mountable Mirror Mount 04RMM-4S(M) provides vertical positioning flexibility for 101.6mm (4") diameter mirror.
- * The mirror mount is attached to a 38.1mm (1.5") mounting rod (sold separately as model 07LSR-1(M) to move height along the rod and tilt/tip adjustment itself.
- * Heights can be adjusted and fixed by turning larger knurled knob.
- * The 04RMM-4S(M) is configured with two M6x0.25mm high precision stainless steel thumbscrew for an angular range of $\pm 4^\circ$.
- * There is an access hole on the back that allows quick and easy removal of mirror.
- * Mirror can be fixed tightly through POM-tipped thumbscrew on the top of mount.
- * Incorporated with large stand rod 07LSR-1M is sold separately.

Model	W(kgs)
04RMM-4S(M)	0.91



**04RMM-4S(M)+07LSR-1(M)
Demo**



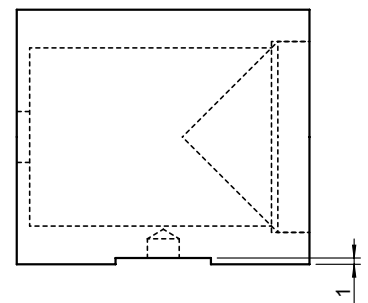
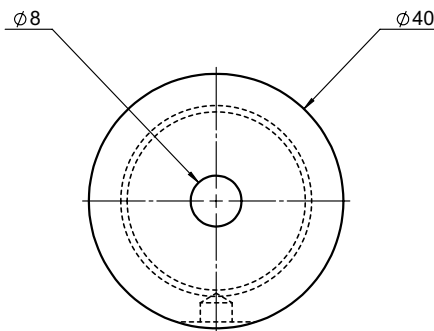
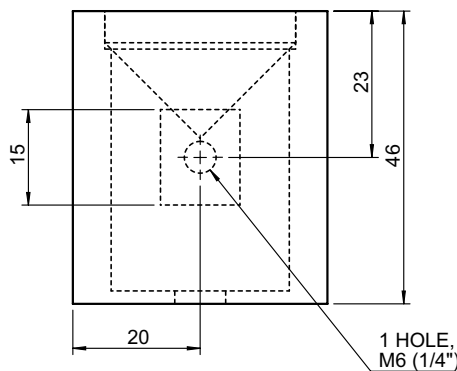
Low Power Beam Dump



07BDA-1(M)

- * Visible beam dump absorbs for low power CW only.
- * This is designed to be the terminal piece of an optical system and absorb the incident laser beam.
- * Size dimension: diameter 40mm x 46mm length.
- * Internal cone shape design to produce scattering and absorption effect.
- * The maximum entrance aperture is diameter 8mm.
- * M6(1/4-20) thread holes on the bottom for post combination.
- * Aluminum alloy material and black anodized.
- * Take it must be carefully because it would be hot when laser beam inside too long.

	Model	W(kgs)
Metric (mm)	07BDA-1M	0.1
English (inch)	07BDA-1	0.1



- * Precision worm wheel and gear driven design.
- * Angular motion range $\pm 70^\circ$.
- * Readable resolution 0.5° .
- * Distance from center of stage to platform surface: 12.5mm.
- * Angular adjustment of platform by turning thumbscrew.
- * Lockable with knurled knob on the side of platform.
- * M6 (1/4-20) clearance holes on the both sides of base for mounting table and other optomechanism platform.
- * Load capacity: 1Kg.

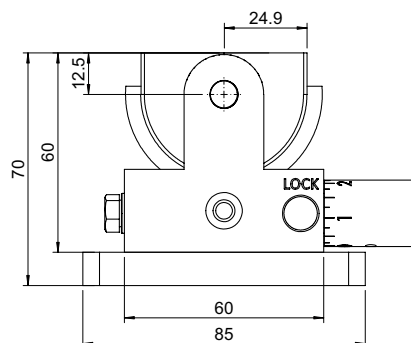
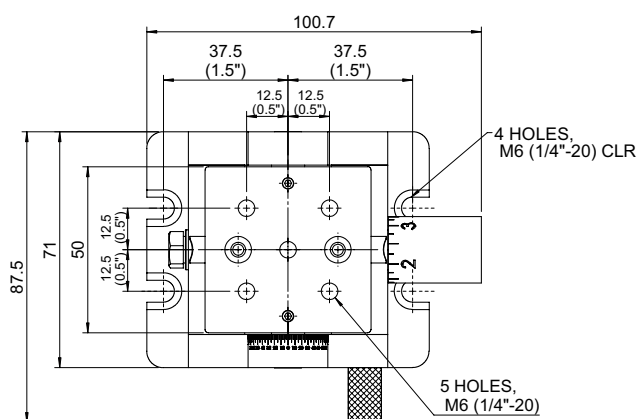


05APT-1M



05APT-1M
Demo

	Model	W(kgs)
Metric (mm)	05APT-1M	0.82
English (inch)	05APT-1	0.82



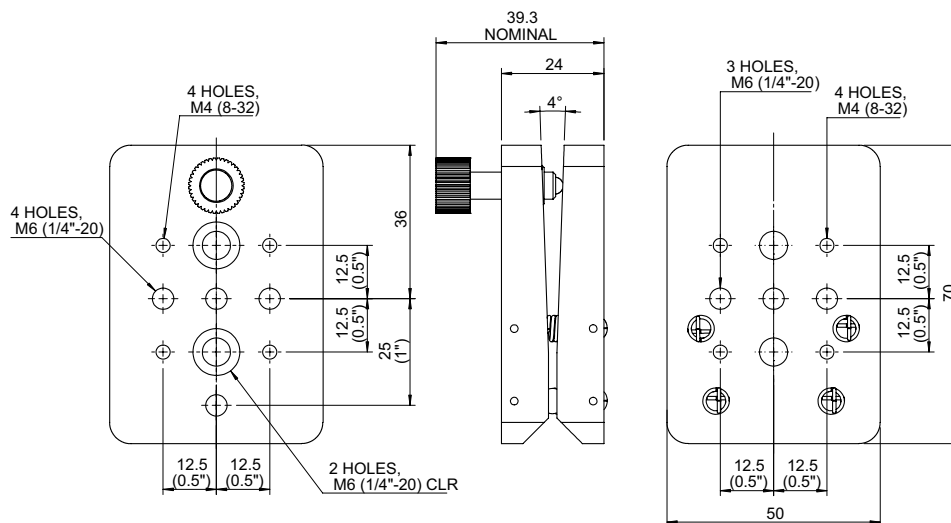
Miniature Single Axis Tilt Platform



55STP-1M

- * Small-ranged and single-directional adjustment for leveling optical components.
- * Compact and space-saving.
- * Driving by M6x0.25mm stainless steel precision lead screw to ensure extremely smooth and stable adjustment.
- * Stainless steel precision leadscrew and phosphor bronze bushing is an ideal combination provides smooth, wobble-free and long-term stability.
- * Very tight tolerance and damping grease between stainless steel precision lead-screw and bushing to form a negligible backlash combination.
- * Angular adjustable range: $\pm 4^\circ$.
- * Two M6 (1/4-20) clearance holes can be directly mounted on an optical table or other optical elements.
- * M6 (1/4-20) and M4 (8-32) tapped holes on the surface of platform.
- * With 90 degree cross combination via two single-axis tilt platforms to form a XY axis tilt platform.

	Model	Range	W(kgs)
Metric (mm)	55STP-1M	$\pm 4^\circ$	0.18
English (inch)	55STP-1	$\pm 4^\circ$	0.18



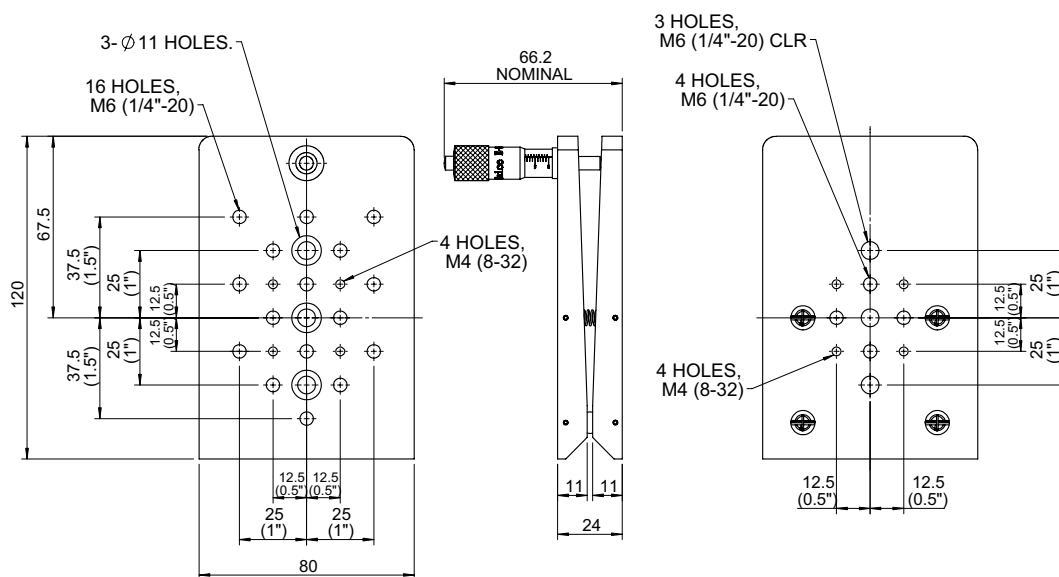
Single-Axis Tilt Platform



05STP-1M

- * A general layout of threaded holes and counter-bored holes is available on this tilt platform for versatile mounting.
- * Precision tilt adjustment provided by a micrometer.
- * M6 (1/4-20) and M4 (8-32) tapped holes and M6 (1/4-20) clearance hole on working surface for versatile application.
- * By combining two single-axis tilt platforms at orthogonal configuration to form a XY axis tilt platform.
- * Angle adjustment range: $\pm 2.5^\circ$.
- * Minimum resolution: 10.5mrad. per mm scale.

	Model	W(kgs)
Metric (mm)	05STP-1M	0.46
English (inch)	05STP-1	0.46



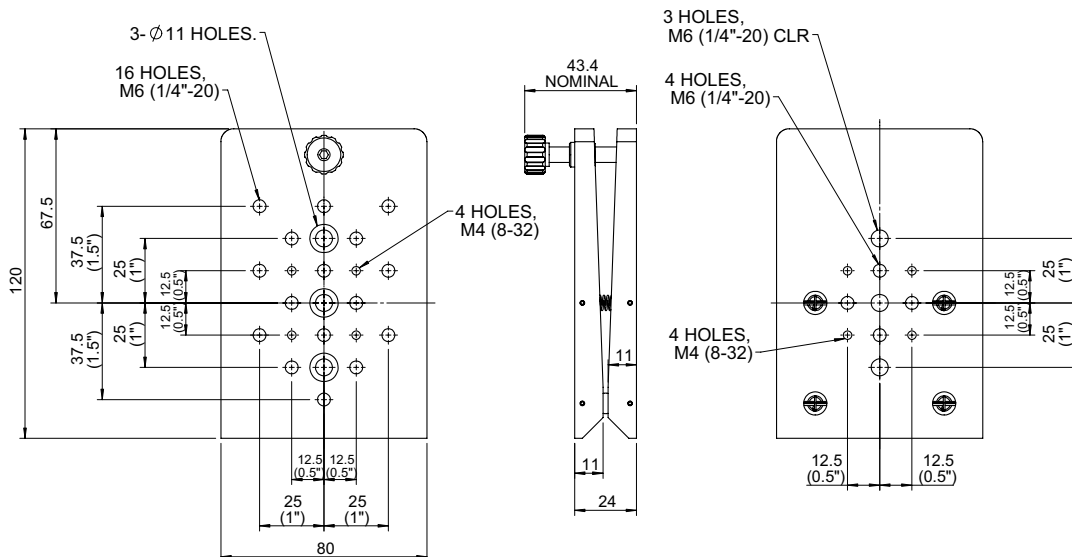
Single-Axis Tilt Platform



05STP-2M

- * A general layout of threaded holes and counter-bored holes is available on this tilt platform for versatile mounting.
- * Precision tilt adjustment provided by M6x0.25mm stainless steel high precision thumbscrew.
- * Stainless steel precision screw and phosphor bronze bushing is an ideal combination provides smooth, wobble-free and long-term stability.
- * Very tight tolerance and damping grease between stainless steel precision screw and bushing to form a negligible backlash combination.
- * M6 (1/4-20) and M4 (8-32) tapped holes and M6 (1/4-20) clearance hole on working surface for versatile application.
- * By combining two single-axis tilt platforms at orthogonal configuration to form a XY axis tilt platform.
- * Angle adjustment range: $\pm 2.5^\circ$.
- * Minimum resolution: 2.8 mrad per revolution.

	Model	W(kgs)
Metric (mm)	05STP-2M	0.46
English (inch)	05STP-2	0.46



α β Axis Tilt Platform



05OTP-1M

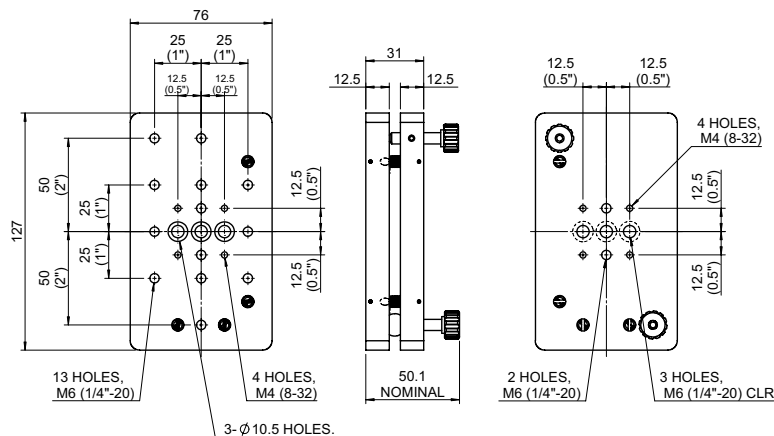


05OTP-3M

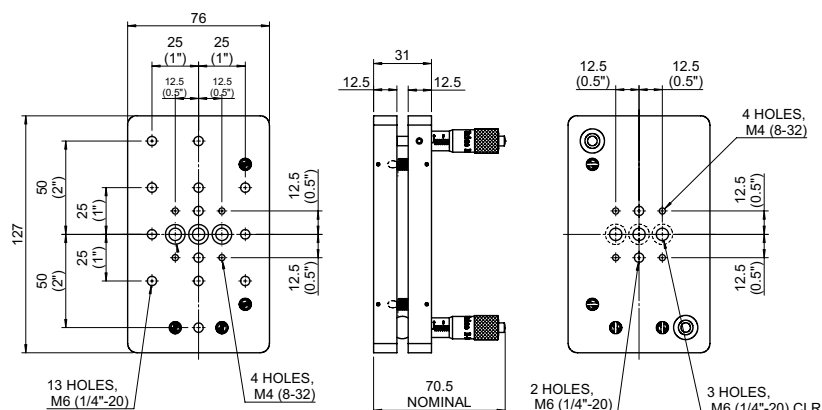
- * A generous layout of tapped holes and clearance holes is available on these adjustable platforms.
- * This platform allows a mounted component to be oriented parallel to an arbitrary plane through two independent adjustable actuators.
- * Tilt adjustments via two independent actuators such as micrometers or M6x-0.25mm thumbscrews.
- * 05OTP-1M adjustment actuators is M6x0.25mm stainless steel thumbscrew.
- * 05OTP-3M adjustment actuators is micrometer.
- * 14 x M6 (1/4-20) and 8 x M4 (8-32) threaded holes on a 25mm (1") pattern.
- * Angle adjustment range for long axis -3° ~ +4° and short axis -5° ~ +9°
- * Load Capacity: 5 Kgs.
- * Hardened and polished steel ball pivots and spring-preloaded spherical-tipped adjustments acting on hardened steel seats to provide more smoothly motion.

	Model	Type	W(kgs)
Metric (mm)	05OTP-1M	M6 x 0.25mm	0.64
	05OTP-3M	Micrometer	0.67
English (inch)	05OTP-1	M6 x 0.25mm	0.64
	05OTP-3	Micrometer	0.67

05OTP-1M



05OTP-3M



Miniature $\alpha\theta$ Axis Tilt / Rotation Platform & Adaptor



55TRP-1LM



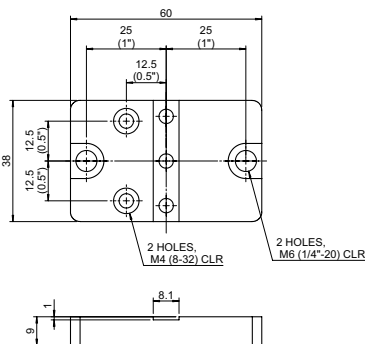
55TRP-1RM



55TRP-1LM+55TRP-1RM



55TRP-1M-ADT

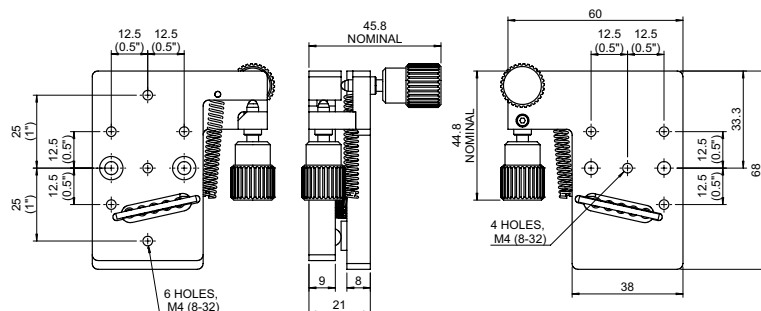


55TRP-1M-ADT

- * Provide tilt and rotation two axis angle correction and alignment.
- * Can be combined with platform adaptor 55TRP-1M-ADT, and place on the Z axis of 3 axis translation stage 06CTS-3LM and 06CTS-3RM to form a 5-axis multi-functional adjustment platform.
- * Good repeatability and durability.
- * Steel ball contact with a abrasion-resistant sapphire seats.
- * Motion driven by 8-80 precision lead screw.
- * Very tight tolerance and damping grease between stainless steel precision leadscrew and bushing to form a negligible backlash combination.
- * Stainless steel precision leadscrew and phosphor bronze bushing is an ideal combination provides smooth, wobble-free and long-term stability.
- * Tilt adjustment range of $\pm 3.5^\circ$.
- * M4 (8-32) threaded holes are available on the surface of platform.
- * Left-handed (55TRP-1LM) designed or right-handed (55TRP-1RM) designed are available.
- * Left and right hand designs are convenient for fiber alignment adjustments.

	Model	Range	W(kgs)
Metric (mm)	55TRP-1LM	$\pm 3.5^\circ$	0.14
	55TRP-1RM	$\pm 3.5^\circ$	0.14
	55TRP-1M-ADT	-	0.05
English (inch)	55TRP-1L	$\pm 3.5^\circ$	0.14
	55TRP-1R	$\pm 3.5^\circ$	0.14
	55TRP-1-ADT	-	0.05

55TRP-1LM



55TRP-1RM

