# **Opto-Mechanics**

**OM** optical mirror mounts series

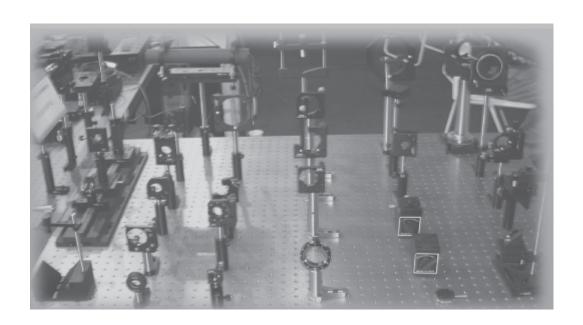
AP application series

PH holders series

**BP** base series

RA rails series

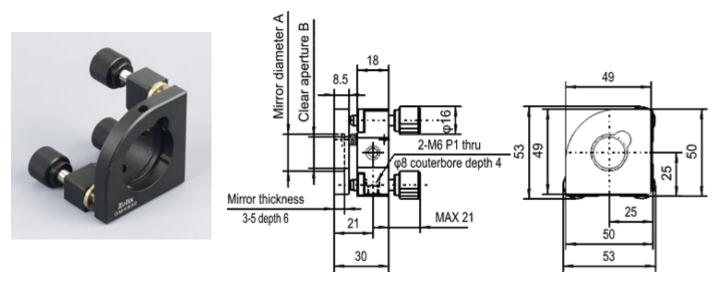
AC accessories series



## OMHS20(12.7/25/25.4/30) three dimensional high stability mirror mounts

Our new OMHS series Three-dimensional Stability Mirror Mounts offer superior performance in stability and high resolution level.combing with long term manufacture and application experience, the new OMHS series provide a very convenient way for customers to focus on object during the optic adjustment.

- ◆ Tight screw ,easy and convenient
- ◆PTFE gasket to protect the lens
- ◆Mounting holes in both directions, the direction of different optical path



	OMHS12.7	OMHS20	OMHS25	OMHS25.4	OMHS30
Diameter (A)	12.7mm	20mm	25mm	25.4mm	30mm
aperture (B)	11mm	18mm	22mm	22mm	27mm
Tilt angle	±3°	±3°	±3°	±3°	±3°.

	OMHS38.1	OMHS50	OMHS50.8
diameter (A)	38.1mm	50mm	50.8mm
aperture (B)	35mm	47mm	47mm
Tilt angle	±3°	±3°	±3°

#### OMHS20(25/30)-S three dimensional stability mirror mounts

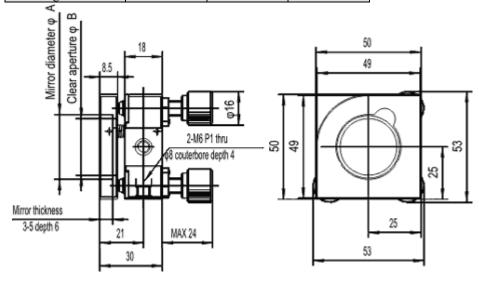
Our new OMHS series Three-dimensional Stability Mirror Mounts offer superior performance in stability and high resolution level.combing with long term manufacture and application experience, the new OMHS series provide a very convenient way for customers to focus on object during the optic adjustment.



- ◆ Tight tube lens ring card can be installed and then fixed to the lens mount
- ◆PTFE gasket to protect the lens
- ◆ Mounting holes in both directions, the direction of different optical path

#### **Specifications**

	OMHS20-S	OMHS25-S	OMHS30-S
Optic Diameter(A)	20mm	25mm	30mm
Clearaperture(B)	18mm	23mm	27mm
Tilt Angle	±3°	±3°	±3°

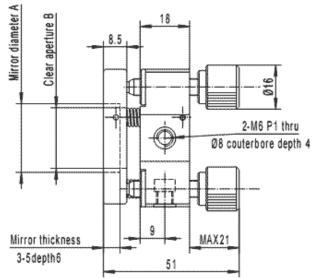


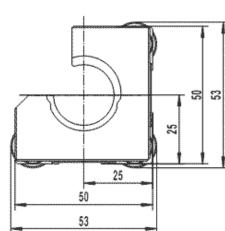
#### OMHS20(25/25.4/30)-B three dimensional stability mirror mounts

Our new OMHS series Three-dimensional Stability Mirror Mounts offer superior performance in stability and high resolution level.combing with long term manufacture and application experience, the new OMHS series provide a very convenient way for customers to focus on object during the optic adjustment.

- ◆Open-type structure, the lens quickly loaded card.
- ◆PTFE gasket to protect the lens
- ◆ Mounting holes in both directions, the direction of different optical path







#### **Specifications**

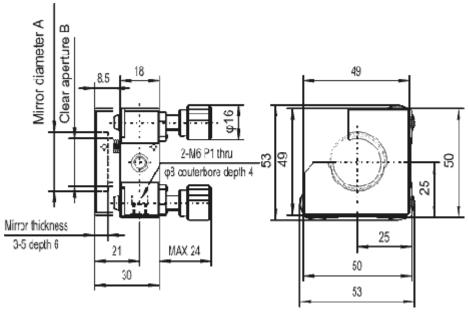
	OMHS20-B	OMHS25-B	OMHS25.4-B	OMHS30-B
Optic Diameter(A)	20mm	25mm	25.4mm	30mm
Clearaperture(B)	18mm	23mm	22mm	27mm
Tilt Angle	±3°	±3°	±3°	±3°

#### OMHS20(25/25.4/30)-BS Three dimensional stability mirror mounts

Our new OMHS series Three-dimensional Stability Mirror Mounts offer superior performance in stability and high resolution level.combing with long term manufacture and application experience, the new OMHS series provide a very convenient way for customers to focus on object during the optic adjustmen

- ◆Open-type structure, the lens quickly loaded card.
- ◆PTFE gasket to protect the lens
- ◆ Mounting holes in both directions, the direction of different optical path equipped with locked devices ,ensure stability of long linght path





#### **■**Specifications

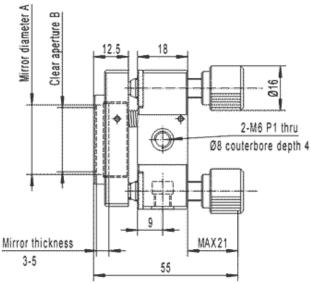
	OMHS20-BS	OMHS25-BS	OMHS25.4-BS	OMHS30-BS
Optic Diameter(A)	20mm	25mm	25.4mm	30mm
Clearaperture(B)	18mm	23mm	22mm	27mm
Tilt Angle	±3°	±3°	±3°	±3°

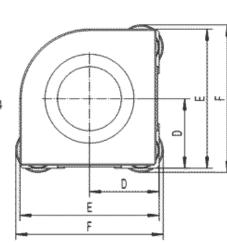
#### OMHS20(25/25.4/30)-C three dimensional stability mirror mounts

Our new OMHS series Three-dimensional Stability Mirror Mounts offer superior performance in stability and high resolution level.combing with long term manufacture and application experience, the new OMHS series provide a very convenient way for customers to focus on object during the optic adjustment

- ◆Tight tube lens ring card can be installed and then fixed to the lens mount
- ◆PTFE gasket to protect the lens
- ◆Mounting holes in both directions, the direction of different optical path



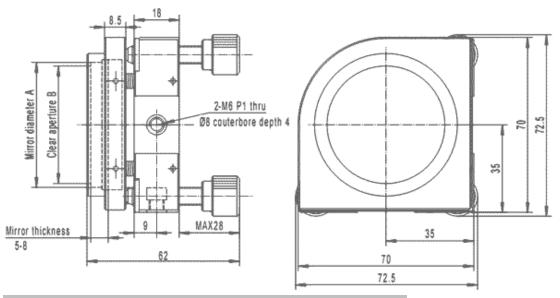




#### Specification

	OMHS12.7-C	OMHS20-C	OMHS25-C	OMHS25.4-C	OMHS30-C
Diameter (A)	12.7mm	20mm	25mm	25.4mm	30mm
Aperture (B)	11mm	18mm	23mm	23mm	28mm
Tilt angle	±3°	±3°	±3°	±3°	±3°
D	25mm	25mm	25mm	25mm	27.5mm
Е	50mm	50mm	50mm	50mm	55mm
F	53mm	53mm	53mm	53mm	58mm

	OMHS38.1-C	OMHS50-C	OMHS50.8-C
Diameter (A)	38.1mm	50mm	50.8mm
Aperture (B)	35mm	47mm	47mm
Tilt angle	±3°	±3°	±3 。

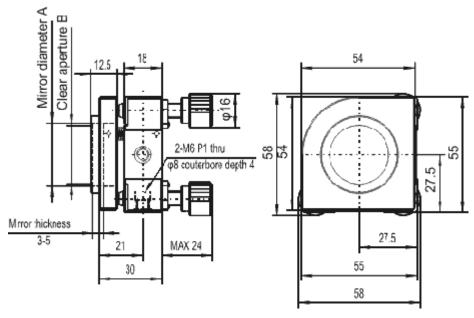


#### OMHS20(25/25.4/30)-CS three dimensional stability mirror mounts

Our new OMHS series Three-dimensional Stability Mirror Mounts offer superior performance in stability and high resolution level.combing with long term manufacture and application experience, the new OMHS series provide a very convenient way for customers to focus on object during the optic adjustment

- ◆ Tight tube lens ring card can be installed and then fixed to the lens mount
- ◆PTFE gasket to protect the lens
- ◆ Mounting holes in both directions, the direction of different optical path equipped with locked devices ,ensure stability of long linght path





	OMHS20-CS	OMHS25-CS	OMHS25.4-CS	OMHS30-CS
Optic Diameter(A)	20mm	25mm	25.4mm	30mm
Clearaperture(B)	18mm	23mm	23mm	27mm
Tilt Angle	±3°	±3°	±3°	±3°

#### OMRS two dimensional high stability mirror mounts

Zolix has newly developed this product, improving the stability and comfortable adjust by adopting newly constructure and special screw and combine with long time production and excellent experiment.

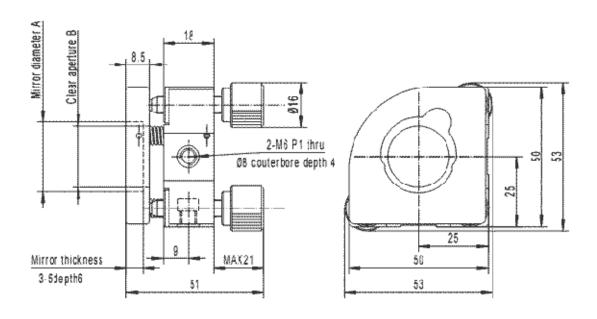


#### Characteristic

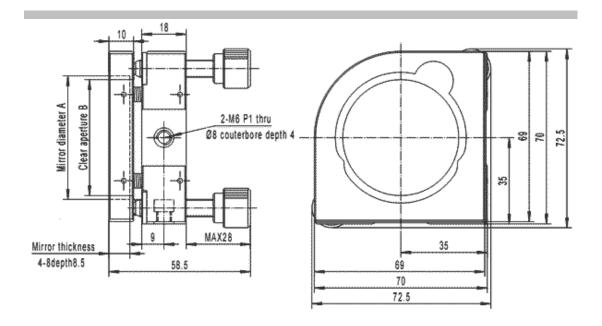
- ◆ Tight screw ,ieasy and convenient
- ◆PTFE gasket to protect the lens
- ◆ Mounting holes in both directions, the direction of different optical path

#### Specification

	OMRS12.7	OMRS20	OMRS25	OMRS25.4	OMRS30
Diameter (A)	12.7mm	20mm	25mm	25.4mm	30mm
Aperture (B)	11mm	18mm	22mm	22mm	27mm
Tilt angle	±3°	±3。	±3。	±3。	±3。



Model	OMRS38.1	OMRS50	OMRS50.8
Diameter(A)	38.1mm	50mm	50.8mm
Aperture (B)	35mm	47mm	47mm
Tilt angle	±3°	±3。	±3°



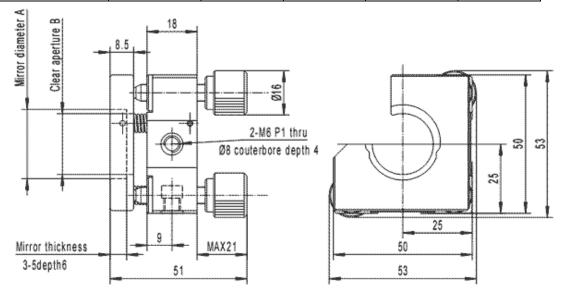
#### OMRSxxx-B two dimensional high stability mirror mounts

Zolix has newly developed this product, improving the stability and comfortable adjust by adopting newly constructure and special screw and combine with long time production and excellent experiment.

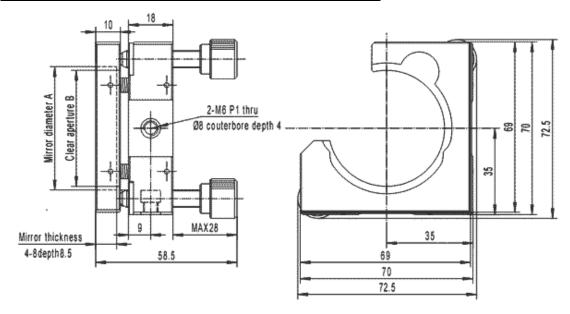


- ◆Open-type structure, the lens quickly loaded card.
- ◆PTFE gasket to protect the lens
- ♦ Mounting holes in both directions, the direction of different optical path

	OMRS12.7-B	OMRS20-B	OMRS25-B	OMRS25.4-B	OMRS30-B
Diameter (A)	12.7mm	20mm	25mm	25.4mm	30mm
Aperture (B)	11mm	18mm	22mm	22mm	27mm
Tilt angle	±3°	±3°	±3°	±3°	±3°



	OMRS38.1-B	OMRS50-B	OMRS50.8-B
Diameter (A)	38.1mm	50mm	50.8mm
Aperture (B)	35mm	47mm	47mm
Tilt angle	±3°	±3°	±3°



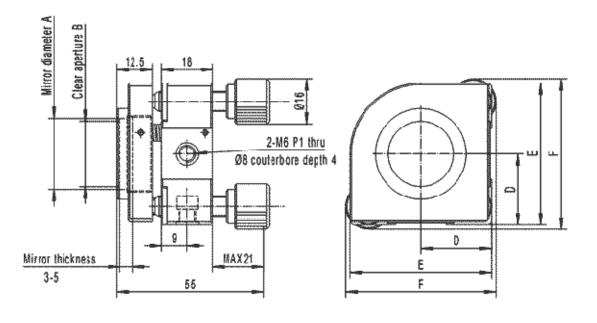
#### OMRSxxx-C two dimensional high stability mirror mounts

Zolix has newly developed this product, improving the stability and comfortable adjust by adopting newly constructure and special screw and combine with long time production and excellent experiment.

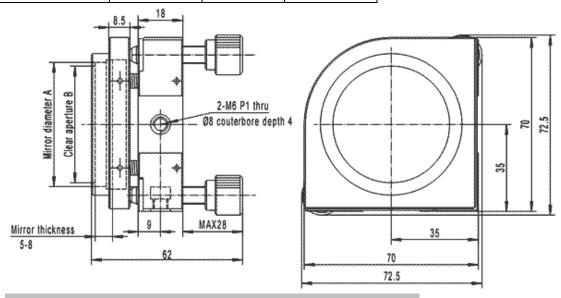


- ◆ Tight tube lens ring card can be installed and then fixed to the lens mount
- ◆PTFE gasket to protect the lens
- ♦ Mounting holes in both directions, the direction of different optical path

	OMRS12.7-C	OMRS20-C	OMRS25-C	OMRS25.4-C	OMRS30-C
Diameter (A)	12.7mm	20mm	25mm	25.4mm	30mm
Aperture (B)	11mm	18mm	23mm	23mm	28mm
Tilt angle	±3。	±3°	±3°	±3。	±3°
D	25mm	25mm	25mm	25mm	27.5mm
Е	50mm	50mm	50mm	50mm	55mm
F	53mm	53mm	53mm	53mm	58mm

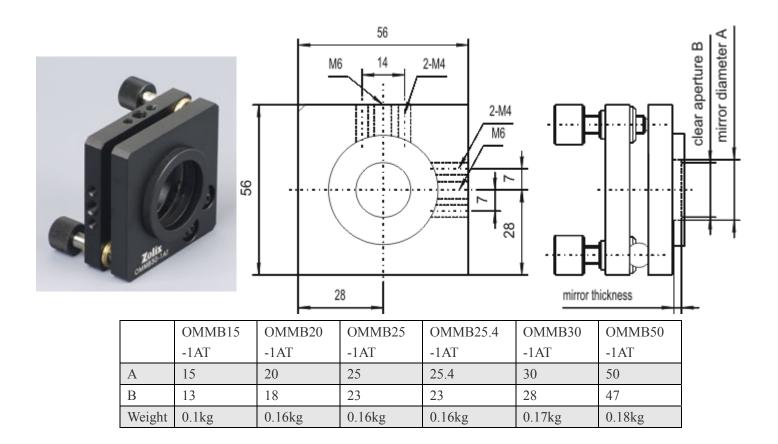


	OMRS38.1-C	OMRS50-C	OMRS50.8-C
Diameter (A)	38.1mm	50mm	50.8mm
Aperture (B)	35mm	47mm	47mm
Tilt angle	±3°	±3°	±3°



## OMMB15(20/25/25.4/30/40/50)-1AT reflection splitter mirror mounts

Closed typle ,tight lens ring card,screw insert,spring reset

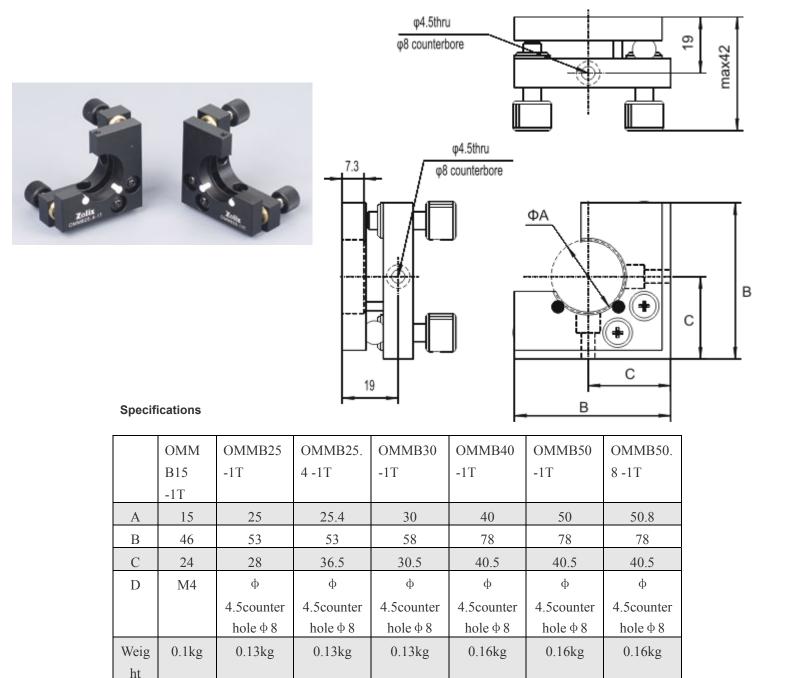


#### OMMB15(20/25/25.4/30/40/50/50.8)-1T reflection splitter mirror mounts

Open typle ,tight lens ring card,screw insert,spring reset

Attention:

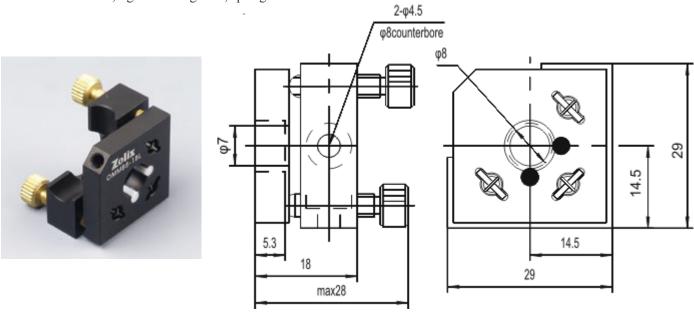
Choose right-typle adjust when have special inquiries ,the difference between Y and L typle is different directions in adjusting handwheel,



#### OMMB8(10/12.5)-1BL reflection/splitter mirror mounts

Relatively small in diameter for clamping the lens, the lens can be adjusted two-dimensional tilt adjustment screw for fine-tooth screw M4x0.3, Extension Spring reset. Compact form to save space. They can also be used for precision space APSF13-1A filter, replace the micro-lens. Adjustment range:  $\pm$  3 °

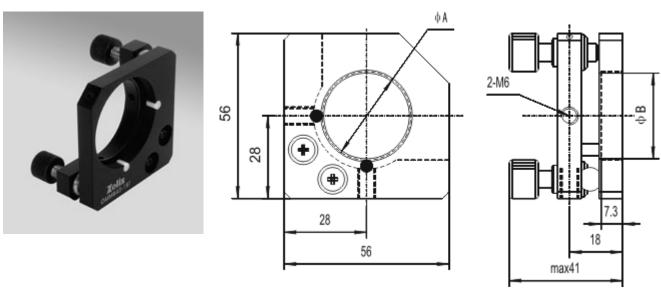




	OMMB8	OMMB10 -1BL	OMMB12.5 -1BL
	-1BL		
A	8	10	12.5
В	7	9	11.5

## OMMB20(25/25.4/30/40/50/76) -1BT reflection/ splitter mirror mounts

Closed, tight lens ring card, screw insert, spring reset.



#### **■**Specifications

	OMMB2 OMMB2 0 -1BT 5 -1BT		OMMB25.41	OMMB3	OMMB4	OMMB5	OMMB7
			BT 0-1BT		0 -1BT	0 -1BT	6 -1BT
A	20	25	25.4	30	40	50	76
В	19	24	24.4	29	38	49	74

С	25.5	28	36.5	28	36	37	53
Weigh	0.09kg	0.1kg	0.1kg	0.11kg	0.15kg	0.15kg	0.15kg
t							

### OMMB50(80/100/102/106)-2BT gimbal reflection/splitter mirror mounts

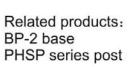
Gimbal Splitter Mirror Mounts can be a total of two-dimensional plane orthogonal to adjust and maintain the same optical path. Screw to adjust the use of ultra-fine teeth M6x0.25 screw to provide fine-tuning. Imports of high-quality disc spring reset, excellent stability, strong anti-vibration, long service life. PTFE rigid three-point support, safe and reliable.

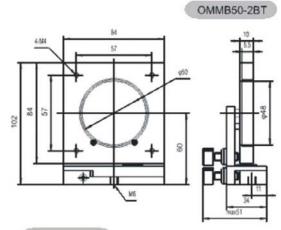


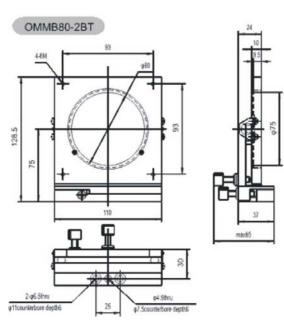
**■**Specifications

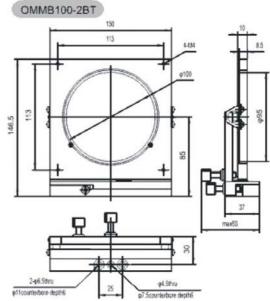
◆Adjustment range:±5°

♦ Weight: 0.25kg

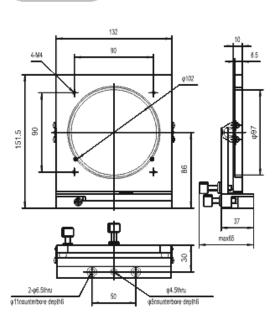




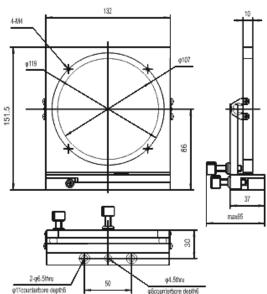




#### OMMB102-2BT



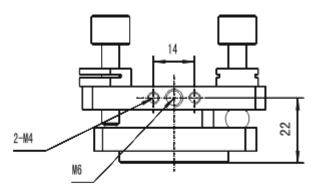


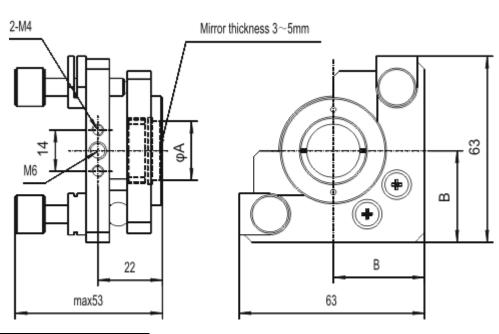


## OMMB20(30)-1SAT reflection/ splitter mirror mounts

Open typle, pressure tight circle card, disc spring reset, fragmentary axial functional tight. Related products



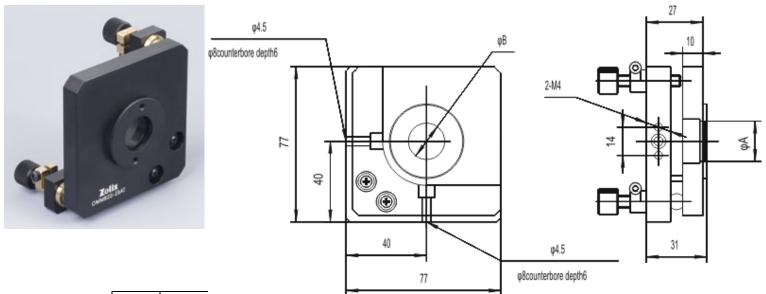




	OMMB20 -1SAT	OMMB30 -1SAT
A	20	30
В	18	28
С	31	28
Weig	0.09kg	0.1kg
ht		

## OMMB20(25)-2SAT reflection/ splitter mirror mounts

Tight tube ring card, screw insert, 2 slocked positional function

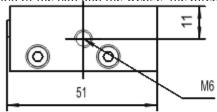


	OMMB20 -2SAT	OMMB25 -2SAT
A	20	25
В	18	23
С	40	40
Weig	0.17Kg	0.18 Kg
ht		

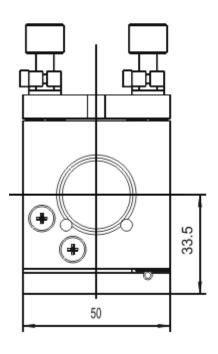
## OMMB25-2SVB reflection splitter mirror mounts

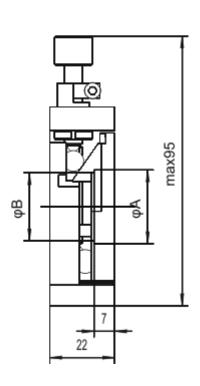
The use of just the function of the ball and the wedge the direction along the optical axis to adjust

the pitch into a direction approach to provide mo adjustment and not have the radial threads lock v



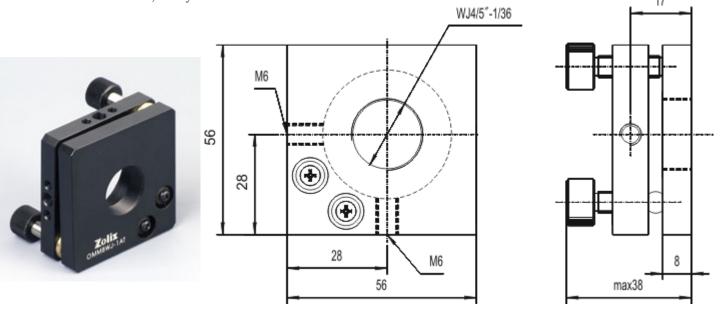






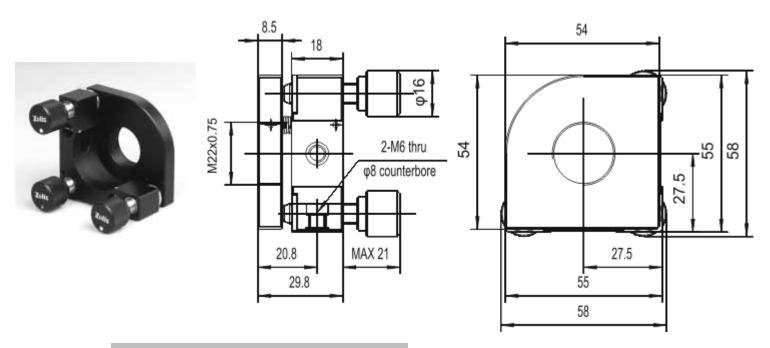
#### OMMBWJ-1AT lens adjustment mounts

Microscope lens screw hole of center WJ4/5-1/36 connect with kinds of fold microscope.M6X0.25 ultra-fine teeth screw driving achieve two–dimensional adjustment.high quality disc spring reset, excellent stability ,high-vibration,long lfe.screw fixed hole in both directions,is easy to connect



#### **OMMB-LBE** beam expander mirror mounts

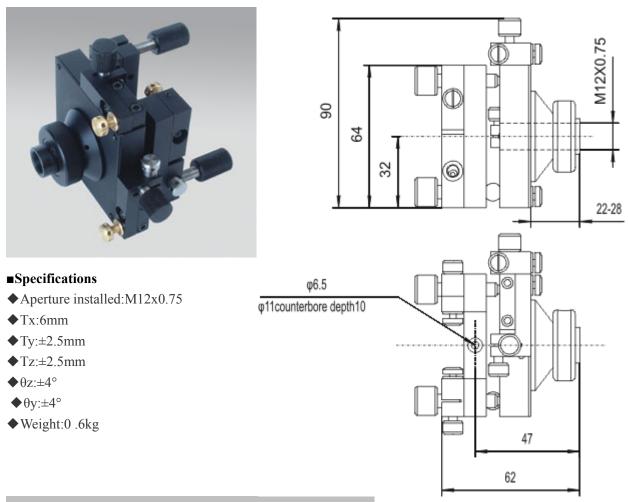
Supporting the use of LBE series laser Mirror Beam Expander, the middle interface M22 \* 0.75, using a new type of OMHS frame structure, three-dimensional adjustment.



#### OMMB10-1DT multi-dimensional mirror mounts

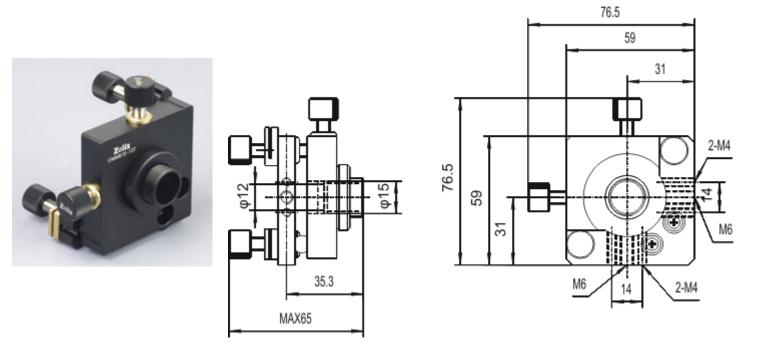
Mirror lens axis as X axis, supply the displacement adjustment of xyz axis, orthogonal adjustment .special design ensure quickly stable of tx adjustment, can be locked. Ty Tz adjustment adpot fine teeth screw(m4x0.3), the lrgest travel of linear adjustment is 5mm.min

resolution is 0.002, besides above adjustment functions, increase different ultra-fine tuning constructure, in the direction of ty tz linear adjustment, increase dual-dimentsional u,ltra precision linear adjustment, the smnallest resolution is 0.01, in the direction of angle adjustment, increase ultra-fine tuning construction, the smallest resolution is 0.00001, fine tuning adjustment, stable construction, resistant diff, excellent repeatability



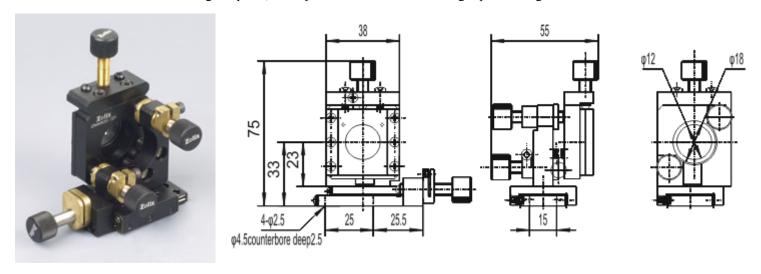
#### OMMB15-1DT multi-dimensional adjustment mirror mounts

Along X, Y two-dimensional translation  $\pm$  2mm, insert set screw adjustment. Pitching around the fulcrum can be adjusted  $\pm$  4°, and adjust the set screw tight cuffs locked positioning.



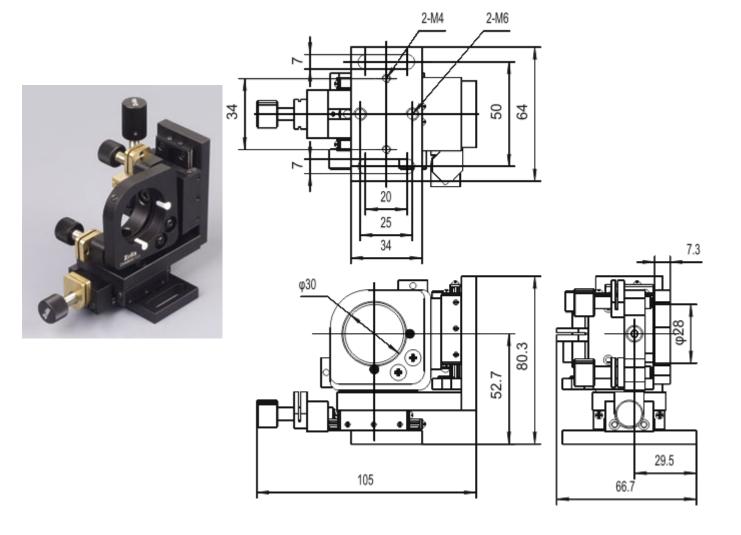
#### OMMB20-1DT multi-dimensional adjusment mirror mounts

Translation along the X axis be 13mm, in the Z direction be adjusted  $\pm$  2mm. Pitch adjustment can be  $\pm$  4 ° along the point, the adjustment screw with lock tight positioning function.



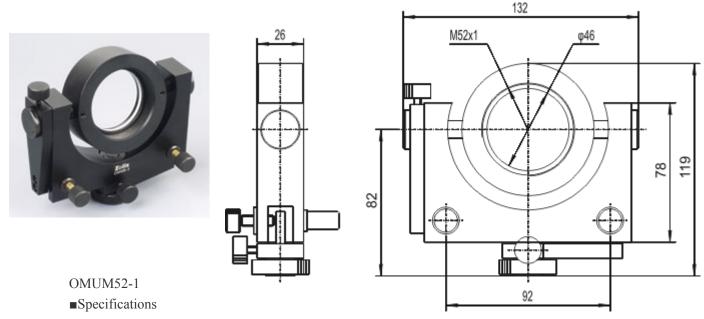
#### OMMB30-1DT multi-dimensional adjusment mirror mounts

Besides pitching a two-dimensional adjustment, also in the horizontal direction and vertical direction of translation adjustments ,the travel is 13mm. In addition the expansion of the product can also be used, can be of different sizes and frame-caliber combination of size, and four-dimensional adjustment.

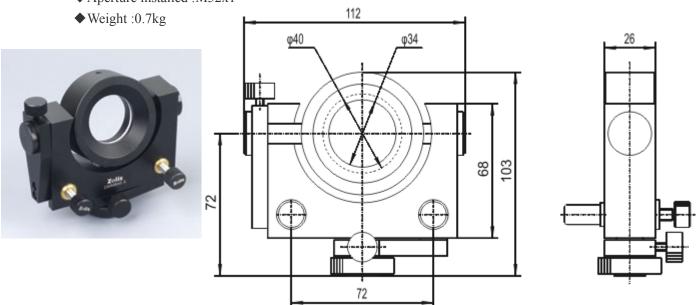


#### OMUM52-1/OMUM40-1

Orthogonal of a total of two-dimensional adjustment of the lens to ensure that the same optical path. the design of Coarse and fine-tuning, quickly and accurately. Fine tuning screw adopt ultra-fine teeth M6x0.25 screw to provide fine-tuning. With hand wheel locked tight to prevent the micro-change. Aperture for the installation of standard M52x1 screw holes, high universality.



- ◆Adjustment range-Coarse :360°
- ◆Adjustment range-Coarse -Fine-tuning :±3°
- ◆Aperture installed :M52x1

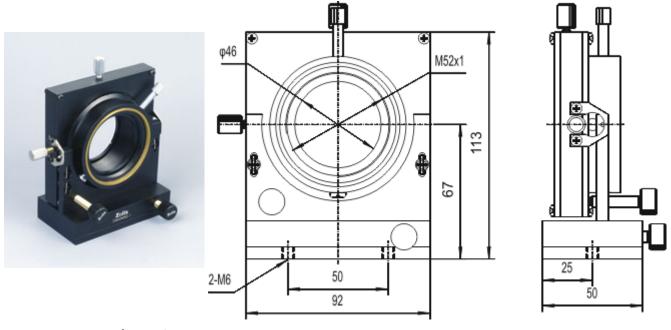


#### **■**Specifications

- ◆Adjustment range-Coarse :360°
- ◆Adjustment range-Coarse -Fine-tuning :±3°
- ◆Aperture installed :40mm
- ♦ Weight :0.6kg

#### OMUM52-2 5 axis gimbal mirror mounts

The lens optcial axis as x axis ,providing the transaltion adjustment. Along the XYZ axis, adjustment of orthogonal coplanar is. $\theta$ y,  $\theta$ z. special design to adjust quickly and stabilty and locked tighr.tx ty adjustment using the fine teeth screw M4x0.3,  $\theta$ y,  $\theta$ z adjustment using M6x0.25 fine teeth screw, fine adjustment., M52x1 standard mounting hole for the screw holes, high universality.

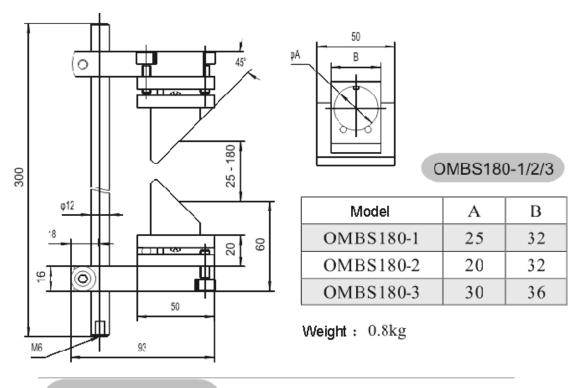


- ◆ Tx:6mm
- ◆Tz:±2.5mm
- **♦**θz:±4°
- **♦** Ty:±2.5mm
- **♦**θy:±2°
- ◆Aperture installed :M52x1
- ♦ Weight: 0.6kg

#### OMBS180 beam tuning device

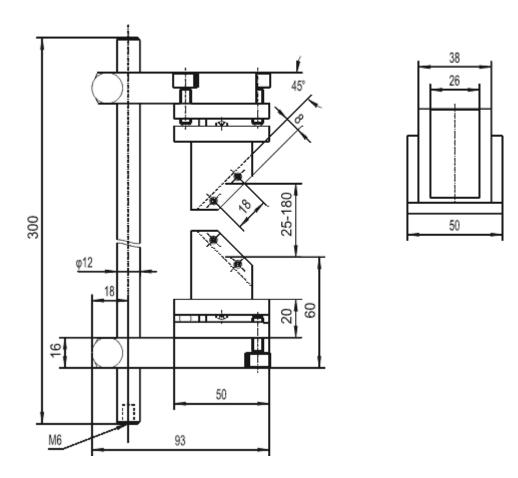
In optical experiments, often need to change the direction or beam high ,the using of beam turing device is a simple and convenient way. OMBS180 series beam turing devices can hold a varity diameter of prisms and mirrors. Mirrors seat can be 360 ° rotating ( $\theta z$ ), and  $\pm$  4 ° tilt adjustment ( $\theta y$ ,  $\theta z$ ), this series adopt ultra-fine tuning srcew drive, disc spring reset, high precision, excellent stability, holders adopt a standard diameter stainless steel pole, installation convenience, aesthetics, the application. Enhance the maximum height of the beam: 180mm





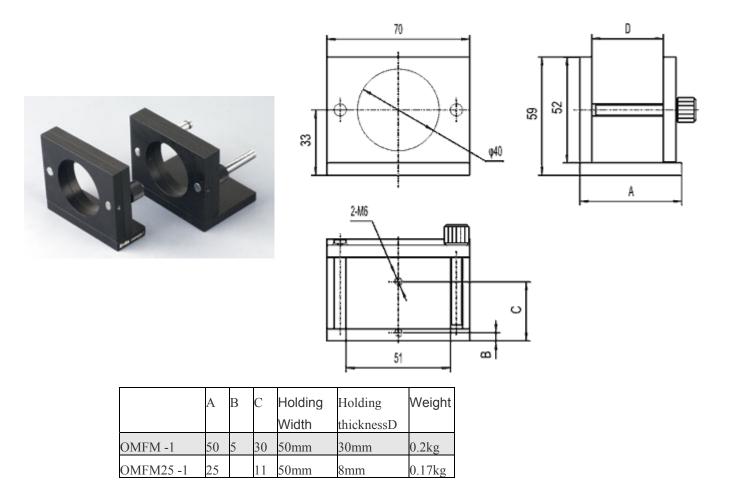
OMBS180-4 We

Weight: 0.8kg



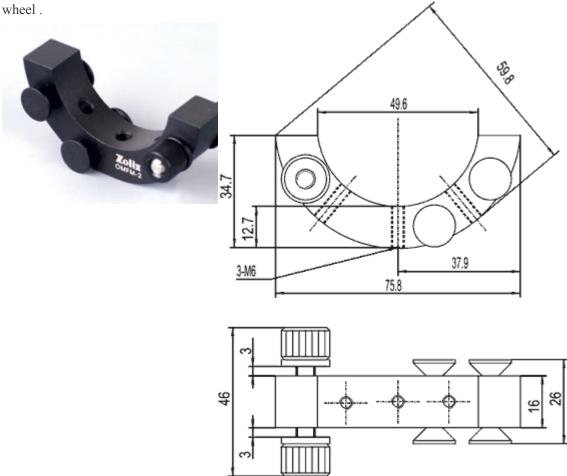
## OMFM(25)-1 filtter mounting

Gripping filtters and films optical parts, the below of the sliding plate design has the flexibility to installations, movement smoother and more comfortable, convenient placement of optical films and locking hand wheel lock available, stable and secure gripping.



#### **OMFM-2 filtter mounting**

Open constructure is convenient for loading and unloading of optical films.on both sides do not touch the design, can protect optical films do not be scratched or bonded together, V-shapped supporting plus locking handwheel tight, stable and safe. Optical chip will be used to insert a corner of the two V-shaped head, the side screw on the hand wheel, the light can clamp hand



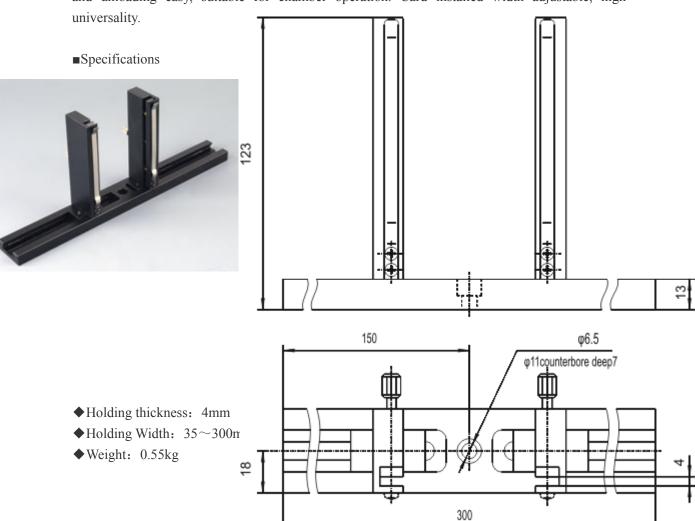
■ Specifications

◆Holding thickness: 3mm

♦ Weight: 0.05kg

#### OMPM-1 adjustment film fixator

Used in holography and other optical experiments, for a fixed dry plates, film, etc., the inner piece of elastic fixed rigid top plate thick stem, the outer gripping film with a thin film of spring, loading and unloading easy, suitable for chamber operation. Card installed width adjustable, high

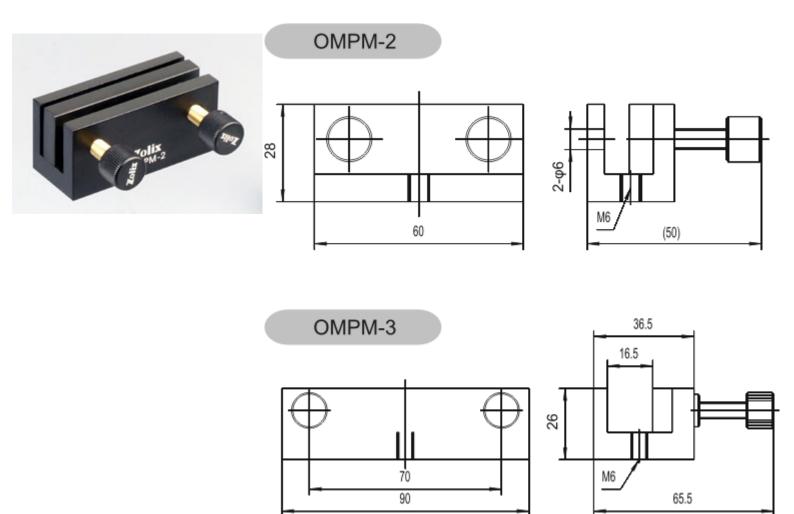


### OMPM-2/3 square filtter mounting

Holding optcial parts of different thickness,, for example: glass.film etc

OMPM-2 can hold the thickness of 0-6mm

OMPM-3 hold the thickness of 0-16mm



#### New manual filter wheel

#### **Function:**

For a variety of filters that require frequent switching of the occasion:

- 1, Wheel 12 MFW12-25, which can turn any of the independent and more convenient to use;
- 2, Can be installed on the company JSL series interference filters, so that different wavelengths of light through;
- 3, Can be installed I NDFI25XX series of fixed density filter (attenuator), a variable rate to achieve attenuation, when using the wheel 12 MFW12-25, the adjustment easier when the different decay rate;
- 4, Can be installed on my company band-pass filter, so that different wavelengths of light through. When using the wheel 12 MFW12-25, can be long-wave pass and short wave pass filter stack used to achieve specific wavelength range adoption;

#### specification

diameter: 25mm or 25.4mm

thickness: 1-4mm, Ring clamping pressure can be used;

>3mm,use the side of tight screw

aperture: 22mm;

installed hole: M6 threaded holes, or pitch the bottom 50mm bolt installation location





MFW6-25(single wheel 6pcs)

MFW12-25(single wheel 12pcs)

### OMLH-1 adjustmet lens holders

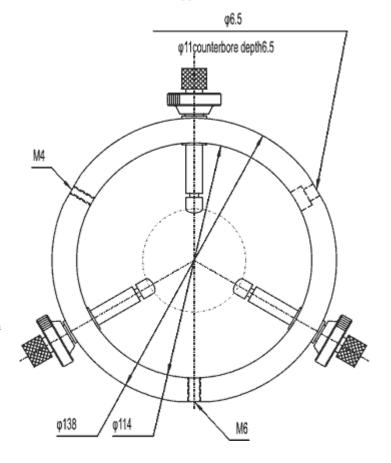
Adopting stainless steel,adjusment steel holders hold the lens,stable,high load,coarse-fine tuning design can load and unload lens and protect lens quickly unque and reliable lock tight device.v-shapped clamper of the top of the clamping can be rotate freely adjusted conveniently, clamping lens of different thickness or cylindetrs,strong applicable.



## **■**Specifications

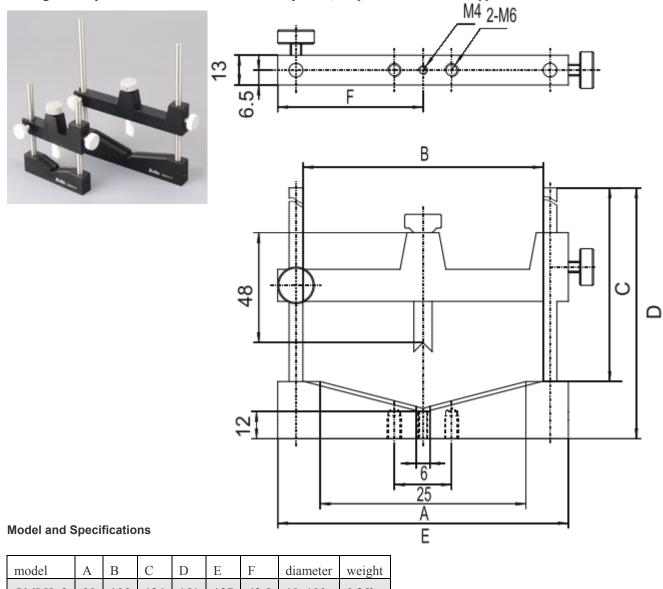
◆Holding Diameter: 50mm~100mm

♦ Weight: 0.4kg



#### OMLH-2(-3-4) adjustment lens holders

Adopting elastic typle gripping lens, stainless steel drive, loading and unloading easy, solid gripping. Chuck V-PTFE to protect the lens, and 360 ° rotation, with V-shaped base may be holding a variety of lenses or the thickness of the cylinder, adaptable and beautiful applicable.



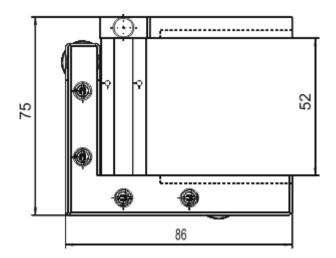
#### OMLH -2 90 105 126 151 127 63.5 10~100 0.25kg OMLH -3 65 80 106 128 102 51 5~75 0.20kg OMLH -4 42 100 54 80 76 38 5~50 0.15kg

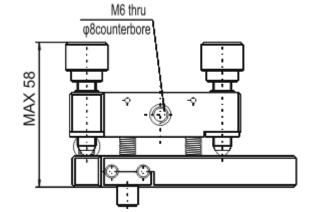
#### OMLH-Z

Cylinder lens mounts

Suitable for our OLBC series paln convex and concave cylinder lens mounts or OLBCY series paln convex and concave prisms, gripping other square optical parts,, can be two dimensional adjustment of pitch and yaw



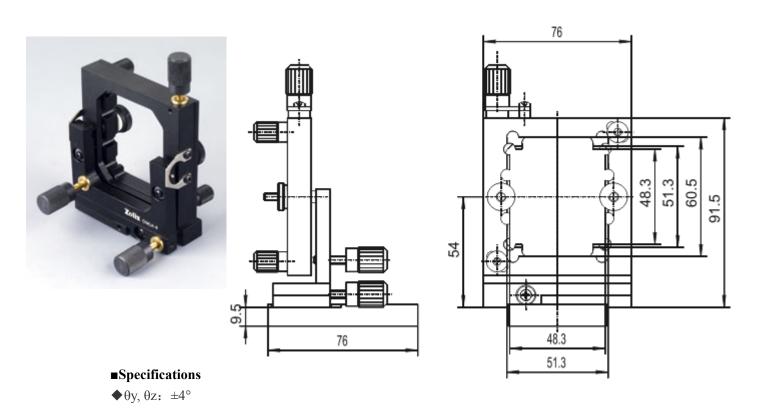




■Specifications
Holding height:2-54mm;
Holding edge thickness:1-6mm;

## OMLH-9 gimbal cylinder mounts

Orthogonal coplan can be adjusted tilting, keep the same light patch, can be adjusted along linght axis. Card can be installed in two sizes concave flat or convex cylindrical lens, cylindrical lens can be placed horizontal or vertical. Screw adjustment screw for the ultra-fine teeth, adjusting the precise comfort.



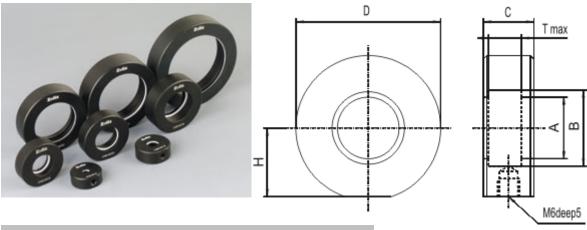
**♦**θx: ±5°

♦ holding Length: 50~50.8mm

♦holding width: 60.5mm

#### **OMLM** series lens holders

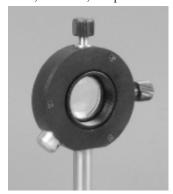
In order to meet different inquires,we delvelop OMLM series lens holders,gripping different style lens,PTFE liner protect lens internal,must be suitable for you .

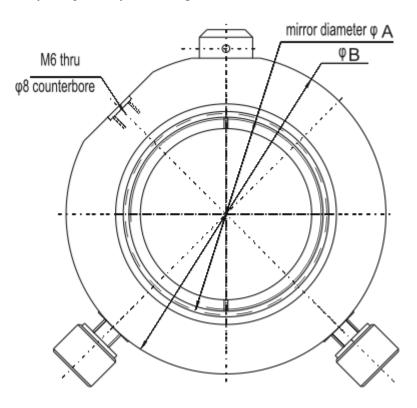


#### OMLM20-25.4/30/40/50-XY two dimensional mirror holders

Optical patch adjustment is a basic work for optics, do not need the traditional fine tuning mounts to keep lens center of relative optical axis two dimensional adjustment , simple adjustment of optics patch.

By The least plug finishing the two dimensional adjustment of reference surface to optical axis., effective, compact connet with your optical systems design





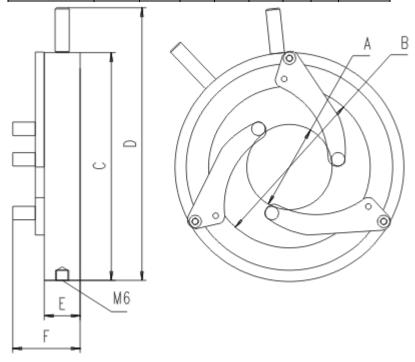
### OMLS series co-axis lens holders

Three points of the co-axis lens mounts open simutaneously ,spring resert automatively ,the lens center—unchanged whn change the different lens,can use different lens.if the lens is light please take it



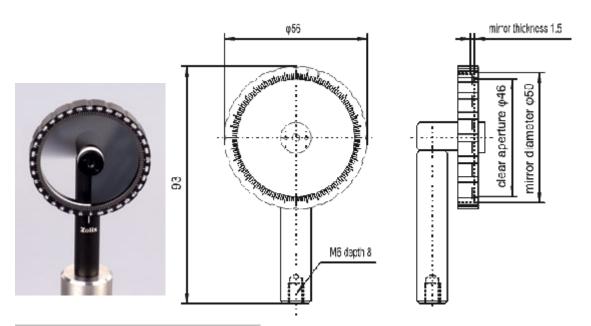
#### Specification

- I								
	Α		-		_	1	1	
Model	MAX	MIN	В	С	D	Е	F	weight
OMLS50 -1	50	5	46	70	90	11	19	0.15kg
OMLS76 -1	76	5	72	102	126	16	30	0.2kg
OMLS102 -1	102	5	100	140	160	16	30	0.3kg



#### OMMB-NDFC50 circler gradient film fixator

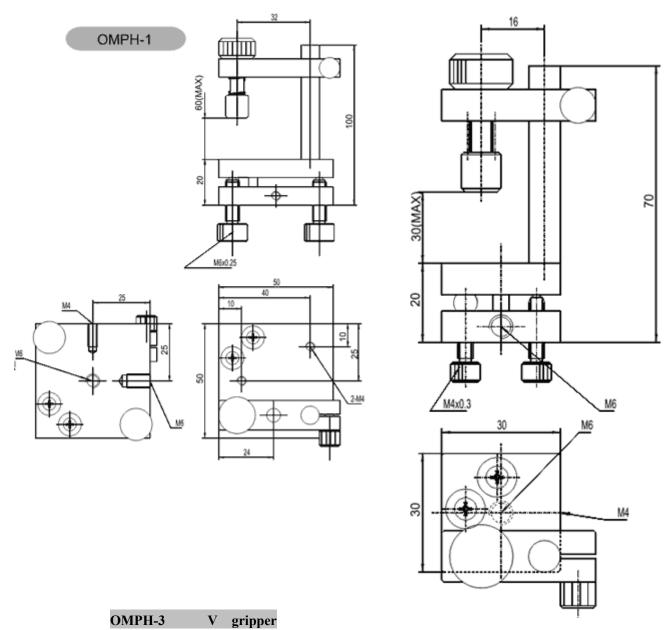
Suitable for our NDFC50 series circular gradient film fixator, outer circle has scale,, suitable for different attenuation. Outer diameter is 12mm, length is 37mm screw, directly using our PH series mounts to fix.



## OMPH-1/ OMPH-2 precision prism desk

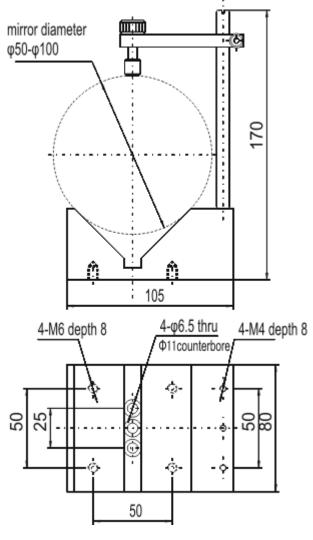
Can be used to two dimensional tilt adjustment ,the fine teeth screw drive,disc spring reset,high precision, excellent stability. flexible clamping device, convenient and reliable. Continuously adjustable height card installed applicability.





In optical experiments, for the holding of different diameter and different thickness of the cylindrical lens, the diameter range of 50mm-100mm, locking hand wheel is equipped with a spring pressed, lens clamping stability, loading and unloading easy.

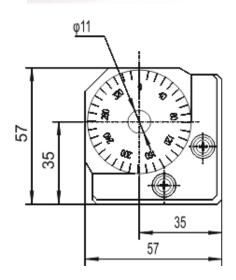


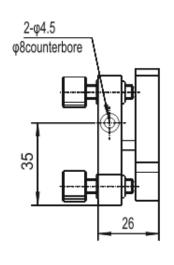


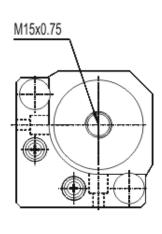
### OMPO12.7-1 splitter mirror mounts

Center screw holes M27X0.75 card can be installed 12.7mm of the polarizing lens locking ring. The use of precision rotating shaft, the positioning and stability, reliable,  $360^{\circ}$  circular depiction. the realization of three-dimensional rotate adjustment in pitch yaw and center-axis lens



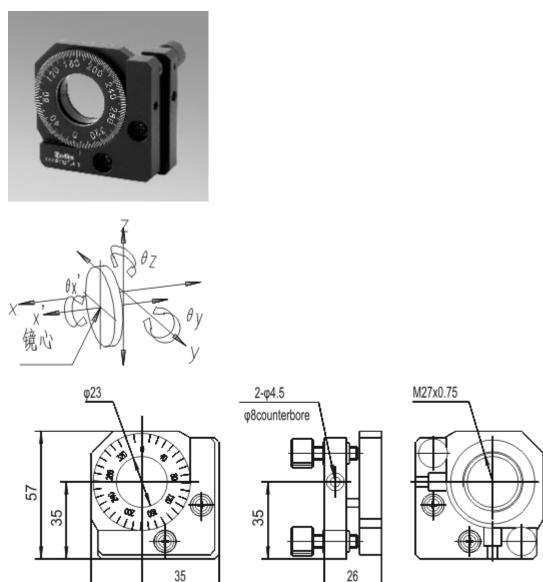






#### OMPO25.4-1 polarizing mirror mounts

Center screw holes M27x0.75 card can installed 1inch(25.4mm) of polarizing lens, locking ring.the use of precision rotating shaft, the positioning and stability, reliable,  $360^{\circ}$  circular depiction.ultra-fine teeth screw M6x0.25 drive, high quality disc spring reset, the realization of the two dimensional adjustment



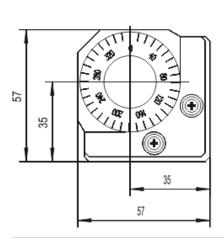
#### OMPO25.4-LJ polarizing prism mirror mounts

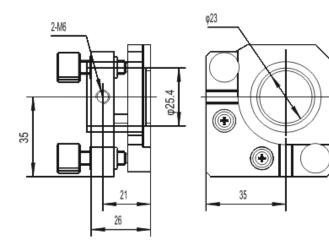
57

#### Suitable for our OPGT25.4 series

Taylor prism, OPGL25.4 Series Grand laser prism, OPGM25.4 Series Grand - OPWT25.4 Thomson prism and a variety of series such as Wollaston prism prism,holding diameter is  $25\,\text{mm}$  or  $25.4\,\text{mm}$  optics cylinderial parts.locking ring, the use of precision rotating shaft, the positioning and stability, reliable,  $360\,^{\circ}$  circular depiction. The realization of pitch, and the yaw axis of rotation around the optical components of three-dimensional adjustment.

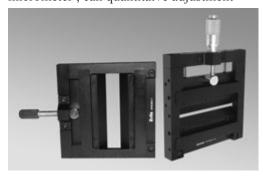




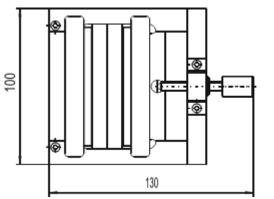


## APAS80-1T,APAS80-1A adjustable slits

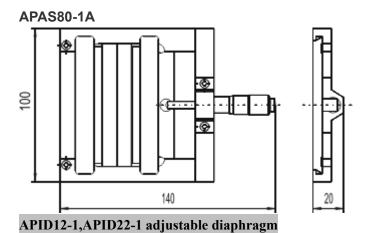
Open large rang,equipped with block light barner,excellent appearance etc.APAS80-1A has micrometer , can quantitaive adjustment



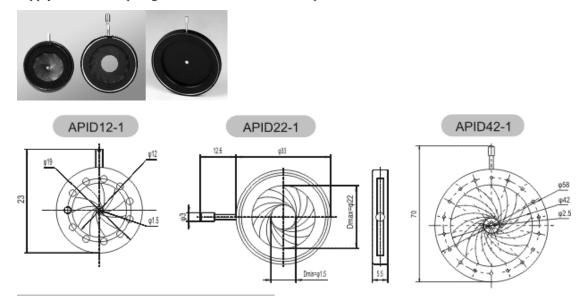
APAS80-1T



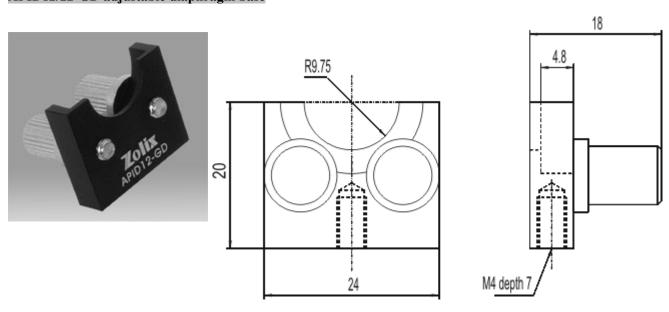


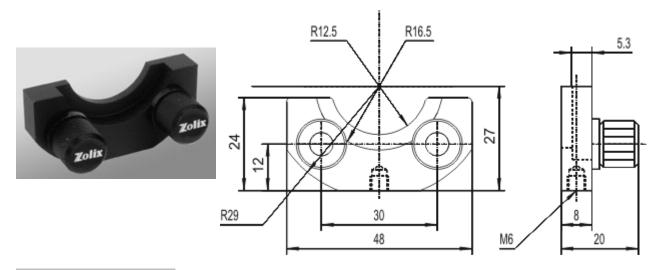


In optical experiment, ususally need to supply another linht source which is point light source, we supply different diaphragm mounts to suit different aperture



APID12/22-GD adjustable diaphragm base



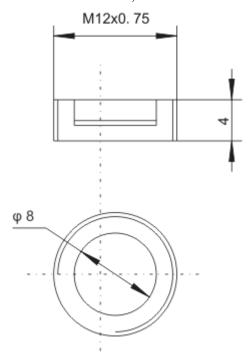


### APPH pin hole diaphragm

Below APPH series pin hole have different styples

API	PH	3	4	5	6	10	11	15	19	20	21	25	30	35	40	45	50
55	60	65	70	75	80	85	90	95	100	105	110	115	120				

thickness: 0.1mm,out diameter: 8mm



### APPH-GD pinhole diaphragm mounnts

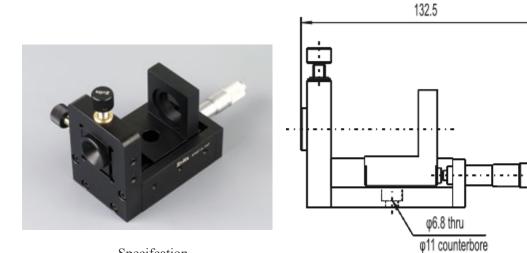
This series can undust, convenience equip with mirror mounts and fiber couplers. make more flexible in adjusting linght path.

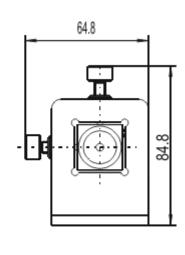
### AP series

### APSF13-1AT precison spatial filter

Micro-lens and pinhole combination, an effective solution to the laser beam during transmission due to the optical device through the defects and the impact of small particles in the air, resulting in the scattering problem.the micrometer of mico lens adjust the range of lens and pinhole, precision linear crioss ballof guide, stability motion, high-precision, two M6x0.25 ultra fine screw drive of pinhole, achieve two dimensional adjustment of apterure holes. M6 screw hole can

combine with other mounts ,convenient install and adjust .





Specifcation

◆adjustment range: 13mm ◆accuracy: 0.005mm

◆pin adjustment range: ±1.5mm

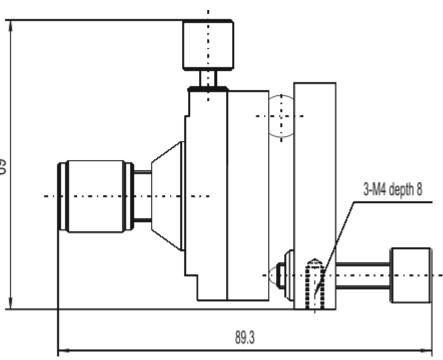
♦ weight: 0.4kg

♦min readable: 0.01mm

### **APFC-1T precision fiber couplers**

Fiber axis as the X-axis, can be coupled along the X, Y, Z direction of a straight-line adjustments, around the Y, Z axis tilt adjustment. Ty, Tz using fine tooth M4x0.3 screw adjustment, Tx,  $\theta$ y,  $\theta$ z using fine tooth 0.5 pitch adjustment screw. X-axis position for  $\varphi 6.35 mm$  hole can be fitted APFCH Carpenter's first series of Fiber chuck.





### **■**Specifications

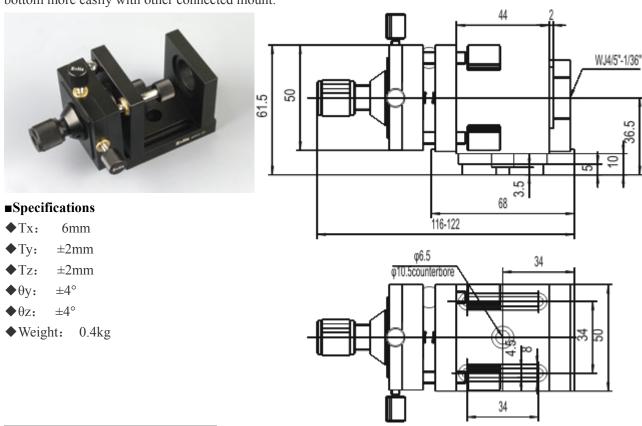
 $\bullet$ Tx: 6mm  $\bullet$   $\theta$ y:  $\pm 4$ 

♦ Ty:  $\pm 2$ mm ♦  $\theta$ z:  $\pm 4$ °

◆Tz: ±2mm ◆Weight: 0.2kg

### APFC-2T precision fiber couplers

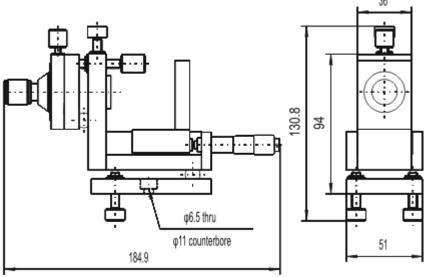
APFC-1 precision to optical fiber coupler block of integration with the micro-lens design, suitable for laser light focused through the micro-lens with optical fiber coupler. Its mounting hole on the bottom more easily with other connected mount.



### **APFC-3AT** precision fiber couplers

Block will be to improve the micro-lens to be mobile, so that Tx adjustments more convenient the use of precision linear ball rail guide, sports stability and high accuracy. More importantly, the APFC-3AT precision optical fiber coupler design for dual-axis tilt base functions, in adjusting the incident light and the micro-coaxial lens is particularly convenient.additionally equipped with pinholes, can change to spatial filter





### **■**Specifications

**♦**Tx: 6mm **♦**Ty: ±2mm

 $\bullet$ Tz:  $\pm 2$ mm  $\bullet \theta$ y:  $\pm 4^{\circ}$ 

**♦**θz: ±4°

◆Micro-lens Travel Range: 13mm

◆Dual-axis tilt adjustment range: ±4°

♦ Weight: 0.6kg

### APFP-4T ultra-precision fiber couplers

APFC-4T provides a five-dimensional adjustment. To fiber axis for the X-axis, can be coupled along the X, Y, Z direction of a straight line to adjust Tx, Ty, Tz, around the Y, Z axis tilt adjustment  $\theta$ y,  $\theta$ z. Tx which detailed the use of 0.5 teeth adjustment screw, linear regulator stroke 6mm, Ty, Tz using fine tooth M4x0.3 screw adjustment stroke linear regulator 4mm, the minimum resolution of 1 $\mu$ .  $\theta$ y,  $\theta$ z teeth using 0.25 fine pitch adjustment screw, adjust the angle for the maximum amount of 4°, the minimum resolution of 0.002°.

APFC-4T in the regulation of body to fine-tune the installation of ultra-fine structure, in Ty, Tz the direction of the linear regulator in a linear increase in ultra-precision fine-tuning of two-dimensional structure, the minimum resolution of  $0.01\mu m$ , in the perspective of regulation  $\theta y$ ,  $\theta z$  the direction of an increase of Ultra-precision fine-tuning the structure of the smallest resolution of 0.00001°, fine adjustment, structural stability and to prevent drift and repeatable Indications

Fix the fiber to fiber chuck,insert fiber couplers 6.35hole, locking tighe after coarse tuning x direction, coarse fiber couplers keep the fiver ultra-precision fine tuning ,stability

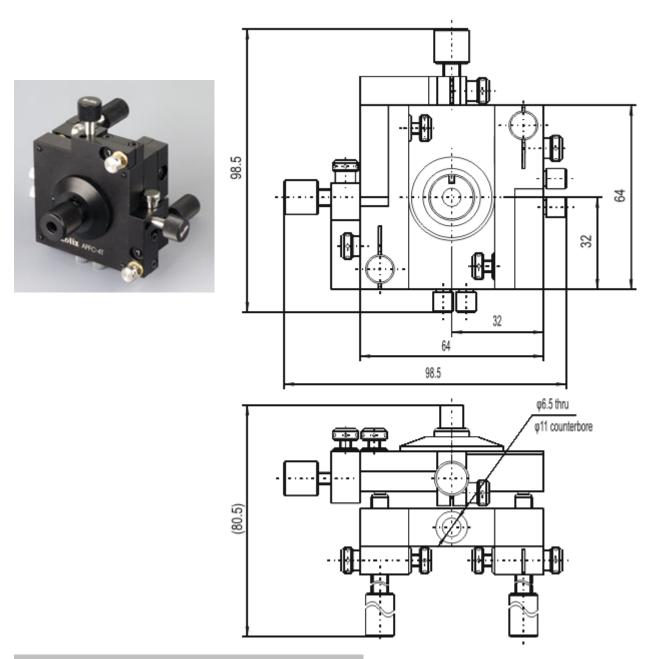
Repeat ultra-precision fine tuning tx ty tz,untillachieving the best couplers effevtiveness

Attention

Ultra-precision fine tuning of linear and angle,lock by locking knob,open related fine tuning constructure after finishing coarse tuning.in order to avoid damaging fine tuning constructrue,must loose locked knob.

M6 screw holes combine with other series prioducts , convenience fix, adjust. Installed on the standard desk .

X axis position of 6.35mmm aperture, can install card our APFCH fiber chucks



### APF5T-SC(FC,ST,SMA905) ultra-precision fiber couplers

Providing five dimensional adjustment of fiber, this series and APFC-4T have the same adjustmentr functions and adjustment accuracy, the difference is that the products can connect with dfifferent fiber boned plate. For example: scfiber connector, fc fiber connector, st fiber connector. SMA905 fiber connector. different fiber connector can exchange by jumpers and fiber adapters. the light coupled with fiber connectors. therefore increase stability of coupling and improve quality, loss reduction

M6 screw holes combine with other series products , convenience fix,adjust. Installed on the standard desk .

### Attentions

Ultra-precision fine tuning of linear and angle,lock by locking knob,open related fine tuning constructure after finishing coarse tuning.in order to avoid damaging fine tuning constructrue Indications

Choose fiber of plug matching with connector typle, directly insert



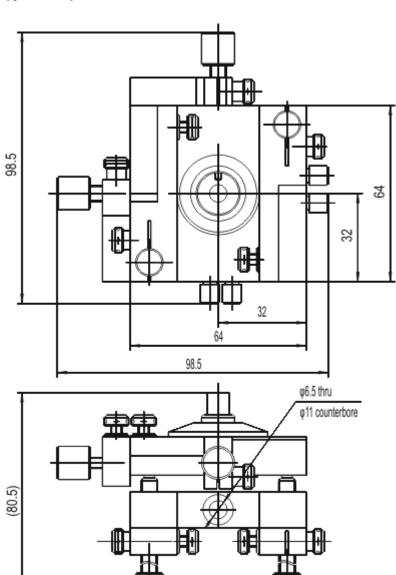
APFC-5T-FC



APFC-5T-SC



APFC-5T-SMA905



### PHCP-1 crossed post adapter

Crossed post adapter put the two knobs together by 90 degress orthogonal.convenience for

arranging linght path



# 2-φ12 16 80

### $\blacksquare$ Specifications

◆Applied post diameters:12mm both

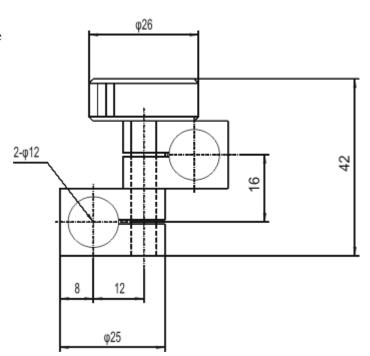
♦ Weight: 0.05kg

### PHCP-2 crosses post adpater

Putting the two knobs together by random degree



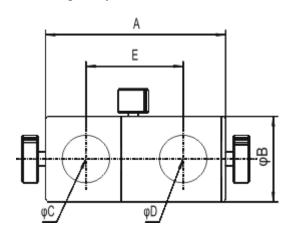
- Specifications
- ◆ Two relative rotation 360 ° standard 12mm diameter hole
- ♦ Weight: 0.05kg



### PHUCgimbal clamps

Application for many diameters clamps together by suitable degree, strong appliable. two knobs can 360 degree rotation, precision processing rotation axis provide precison and comfort adjustment. locking handwheel ensure prosition locking firmly



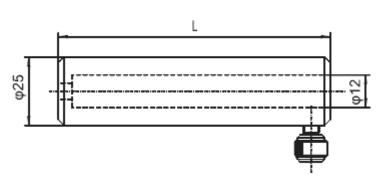


Model	A	В	С	D	Е	Weight
PHUC -1	60	30	12	12	33	0.12kg
PHUC -2	77	36	20	12	44	0.15kg
PHUC -3	77	36	20	20	41	0.15kg

### PHSH SEIRES POST HOLDERS

Suitable for PHSP12 post holders, fix the post holders on the different height center axisial processing v shapped oval groove donot change the position during adjusting the height of the posts





■ Models and specifications

	PHSH-1	PHSH-2	PHSH-3	PHSH-4	PHSH-5
L	25	50	75	100	150
Weight	0.03kg	0.04kg	0.1kg	0.11kg	0.15kg

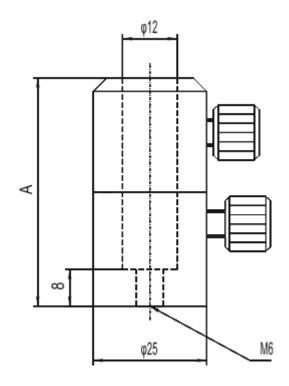
Related products:

- ◆Support Posts
- **♦** Magnetic Bases

### PHRP series rotation post holders

Making the post 360 circles along the post , donont change the positon parameter, reduce the workload.center axisial precision proicessing v shapped oval groove donot change the horizental position, lock stability .elastic steel ball design can adjust the height and angle lightly ,donot get the uneven force when post and post holders together.rotary connect with fixator by precision bearing, comfort, high precision.post and rotary attached to lock tight.three sizes suitable for different height adjustment .





■ Models and specifications

	PHRP-1	PHRP-2	PHRP-3	
A	50	76	102	
Weight	0.05kg	0.1kg	0.12kg	

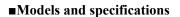
### Related products:

- •PHSP12 Series Support Posts
- •BPMB Series Magnetic bases

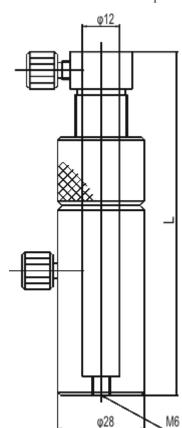
## PHVP-1/PHVP-2 vertical post hollders

When you bend in the dense linght path,adjust the light path position,hope to little adjust the height of the post, keep the same angle,please choose PHVP serires vertical post holders





	PHVP-1	PHVP-2
Vertical range L	72~87	95~120



Applied post diameter	12	12
Weight(kg)	0.1	0.15

### PHVP-3 vertical post holders

High degree mico-tuning functions, precision processing vertical screw is confort fort users. standard screw of the top of the center of the post connect with other products, strong

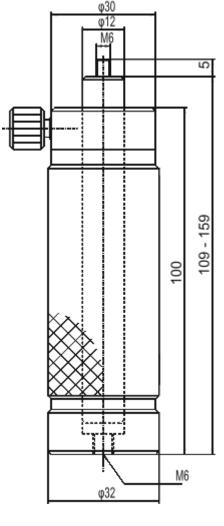
applicablity



### **■**Specifications

◆ Fine-tuning Height: 50 mm

♦ Weight: 0.6kg



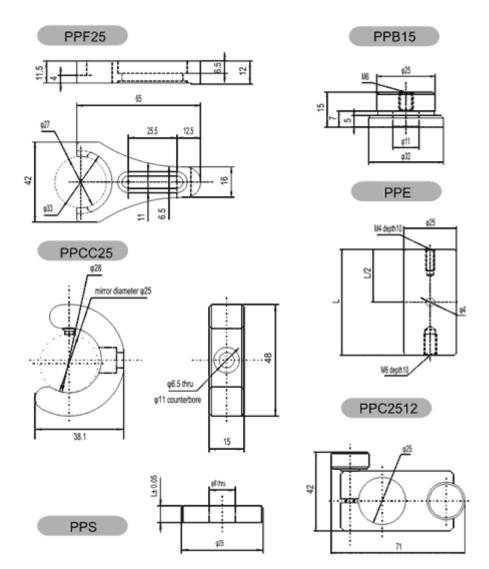
### Ppseries post holdetrs annex

High-quality steel products, and special treatment to ensure the rigidity of the material. Diameter of 25mm, can provide high-load and high stability, product-specific fork-plate fixation, a high degree of freedom configuration, you can simply build a stable, optical axis height The optical experimental system must. Then stroke the length of series, and then under a variety of length between the free combination. Unique gasket can be adjusted to achieve a high degree of straight. C-type rod holder and orthogonal planes used to adjust the optical path more convenient.



### **■**Models and specifications

Models	appellation
PPF25	Forklift steel
11123	plate
PPB15	15mm Base
PPE25	25mm Post
PPE50	50mm Post
PPE75	75mm Post
PPE90	90mm Post
PPE100	100mm Post
PPS1	1mm Gasket
PPS2	2mm Gasket
PPS5	5mm Gasket
DDCC25	Rod Clamp
PPCC25	Verticaler
	25-12
PPC2512	Orthogonal Post
	Holders



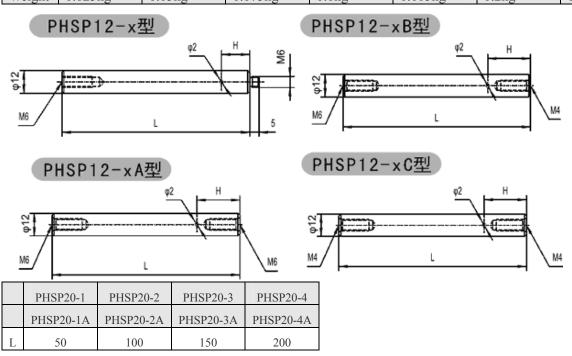
### PHSP post holder

High stainless steel grinding,high precision,applicable,kinds of typle meet different needs.suitable for our other adjustment mounts,excellent university diameters are 12mmm and 20mm,depending on the different screw hole into different models

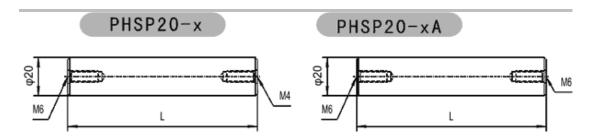


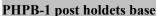
■Models and specifications (Diameter:12mm)

Models	PHSP12-1	PHSP12-2	PHSP12-3	PHSP12-4	PHSP12-5	PHSP12-6	PHSP12-7
	PHSP12-1A	PHSP12-2A	PHSP12-3A	PHSP12-4A	PHSP12-5A	PHSP12-6A	PHSP12-7A
	PHSP12-1B	PHSP12-2B	PHSP12-3B	PHSP12-4B	PHSP12-5B	PHSP12-6B	PHSP12-7B
	PHSP12-1C	PHSP12-2C	PHSP12-3C	PHSP12-4C	PHSP12-5C	PHSP12-6C	PHSP12-7C
L	25	50	75	100	150	200	300
Weight	0.025kg	0.05kg	0.075kg	0.1kg	0.015kg	0.2kg	0.3kg









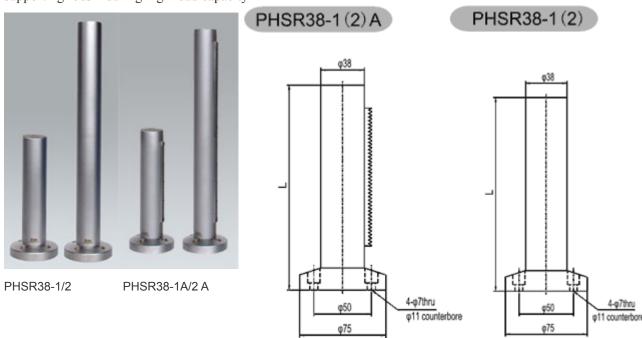


### PHSR38-1(2)support rods/PHSR38-1(2)A

Application for high-load ,can support different parts combining with gear wheel clamp,continuously adjust the height,and equip with gear and geat wheel ,comfort adjustment,reliable and safe,high precision.reliable harden ratio ensure the higher unti-vibrate,can remove the circle base ,directly fix by screw,flexible fix mode

### Recommend:

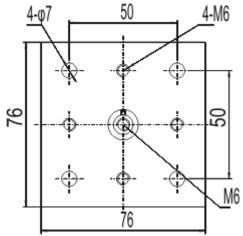
BPRB-1 two dimensional guilde base, ensure flexible fine tuning adjustment function of supporting rods during high load capacity

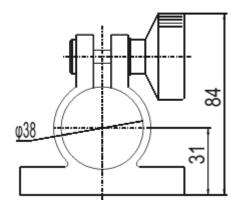


### PHCR-1 clamp

And PHSR38-1 (2) with the use of support rods. The standard installation of the surface of its mounting hole Distance, you can adjust the frame or other fixed objects. Detachable from its central thread suitable for replacement of or in connection with the operation PHCR-3 with five gripper for tilt adjustment. Equipped with locking hand wheel can be locked in a solid clip of





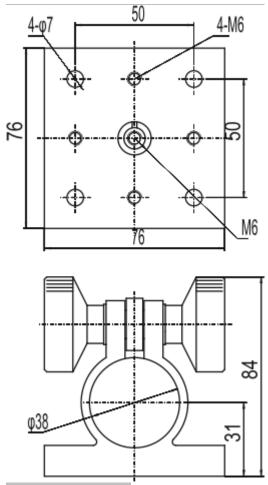


### PHCR-1A gear clamp

Suitable for PHSR38-1(2)A gear support clamp, equipped with geat and gear wheel, comfort, high precision. Standard installed holes can fix the other objects center remove the screw, convenience change or operation, or combine with 5 face clamp, tilt adjustment equipped with lock hand wheel, locked the different height of clamp weight:



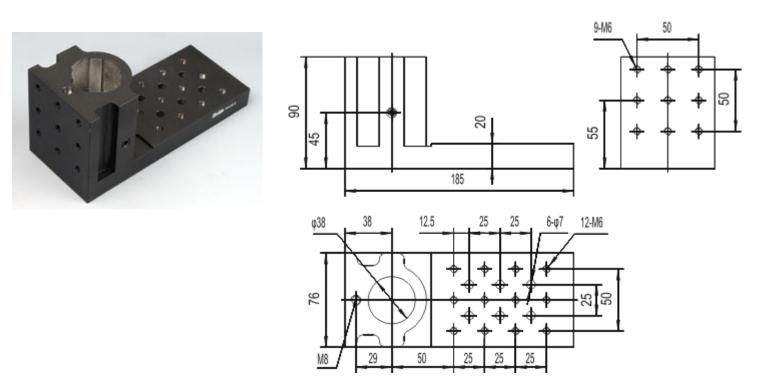
Loose the clamp lock tight, rotate and adjust wheel hand to the traget position, and then lock tight



### PHCR-2 right clamp

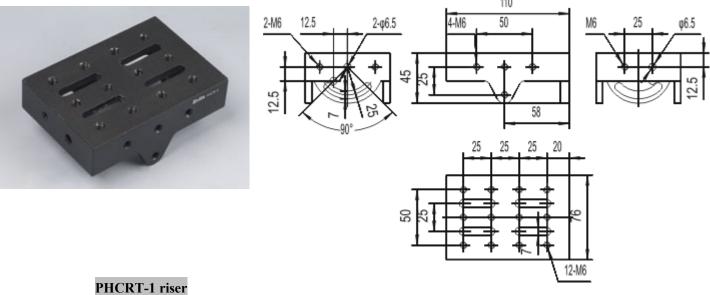
Suitable for PHSR38-`1(2) support rods,the horizontal surface fix the objects,plus the vertical installed surface,strong applicablity

Symmetry line contact center hole, high precision, dual-lock tight tube, stable, non sway, weight



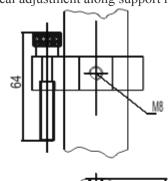
### PHCR-3 5 surface clamp

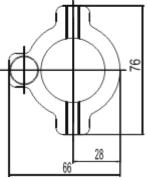
Have 5 installled surface, combine with other clamp, rotate or tilt adjsutment, weight



Combined with right angle clamp ,make the clamp vertical adjustment along support rod

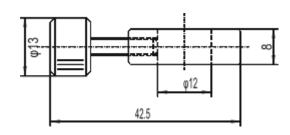






PHSP12C post holder postional clip

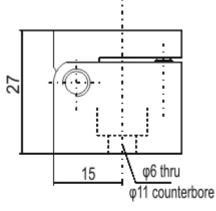


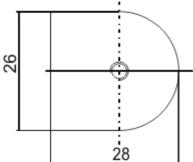


### PHTProtate reset mirror base

The realization of 90 degree polarization and reset of the mirror mounts, installled aperture







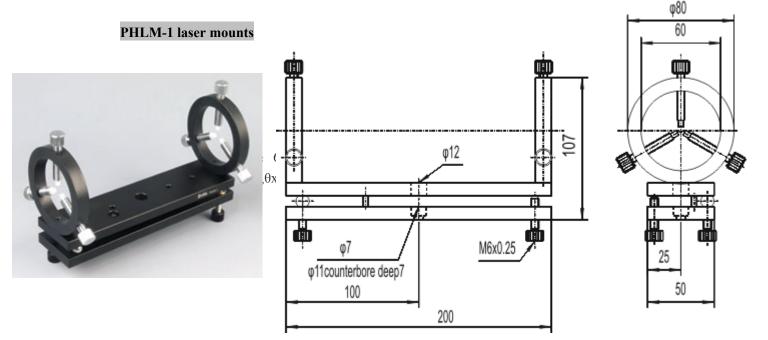
### Ph SERIES

Precision laser mount

Hene laser is very important in experiment as the light source light path.flexible adjustment ,long time stability is the fitst step ,our company provide three typle laser mounts

Laser mounts optical axis as x axis,PHLM-1 make the laser mounts tilt adjustment along x y ,grasp the different diameter laser mounts or cylinders,adjustable center, grasp adopt PTFE material,stable and not damage laser mounts.ultra-fine teeth screw drive of adjustment contructure,disc spring reset,presitional adjustment,excelent stablity ,adjustment range between supporters,meet to the different inquiries

Compare with PHLM-2,PHLM-3 increase adjustment functions along y z axis. ultra-fine teeth screw drive of adjustment constructure, disc spring reset, Iinner hole relative lock tight screw position has concave groove, this is the same with phlm-2, stable and repeatabily .lock tight screw of un-metal material protect laser mounts



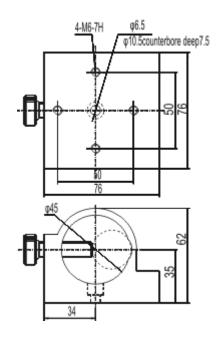
### PHLM-2 laser mounts



### **■**Specifications

◆Applied tube diameter: 45mm (MAX)

♦ Weight: 0.4kg



### PHLM-3 Laser mounts

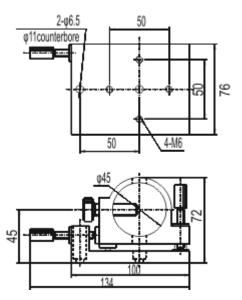


### **■**Specifications

◆Applied tube diameter: 45mm (MAX)

• Adjustment range:  $\theta y, \theta x : \pm 5^{\circ}$ 

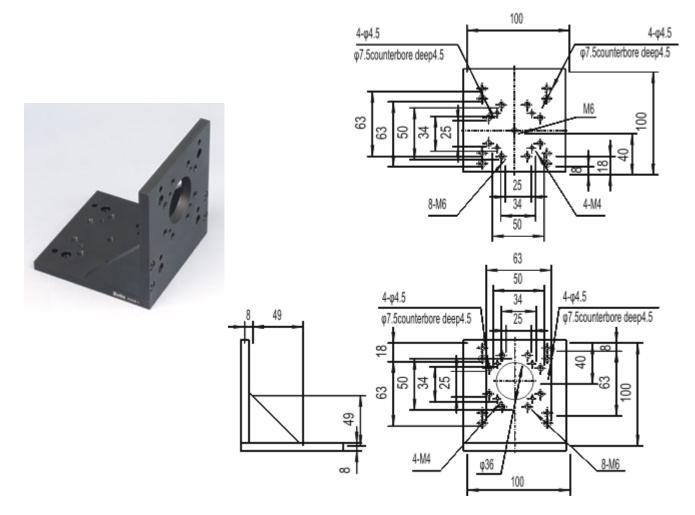
◆ Weight: 0.65kgPHOB series right angle fixed block



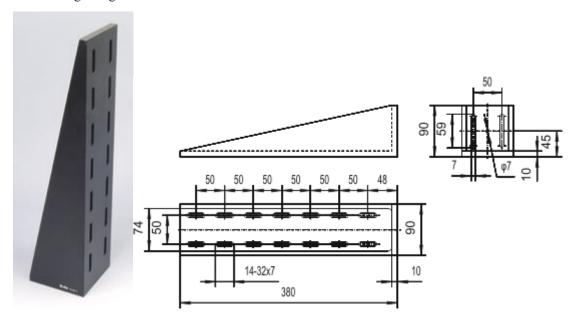
### PHOB series right angle fixed block

This design put the displacement to compose two dimensional or three dimensional orthogonal displacement stages, also put other adjsutable mount orthogonal together,,orthogonal surface precison maching ensure the perpendicularity needs.kinds of installed aperture design have strong university

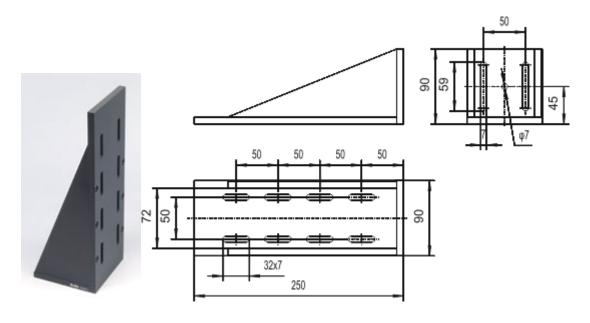
PHOB-1 right angle fixed block



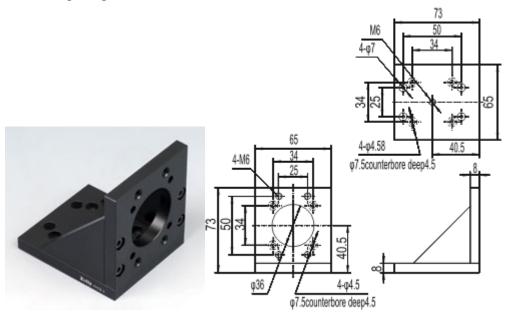
PHOB-2 right angle fixed block



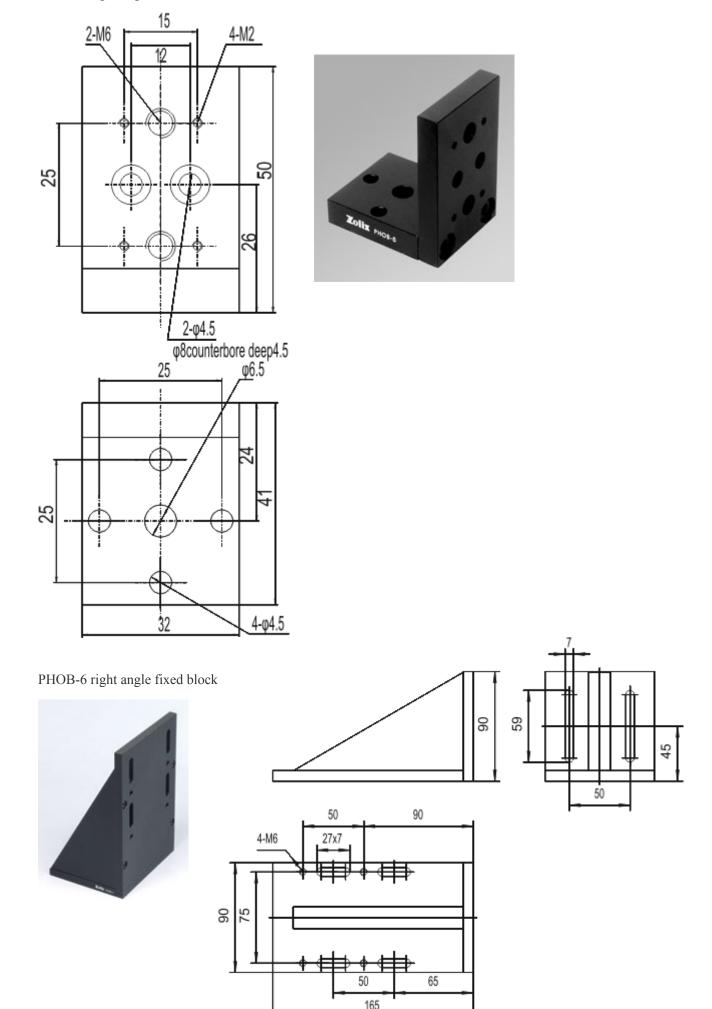
PHOB-3 right angle fixed block



PHOB-4 right angle fixed block

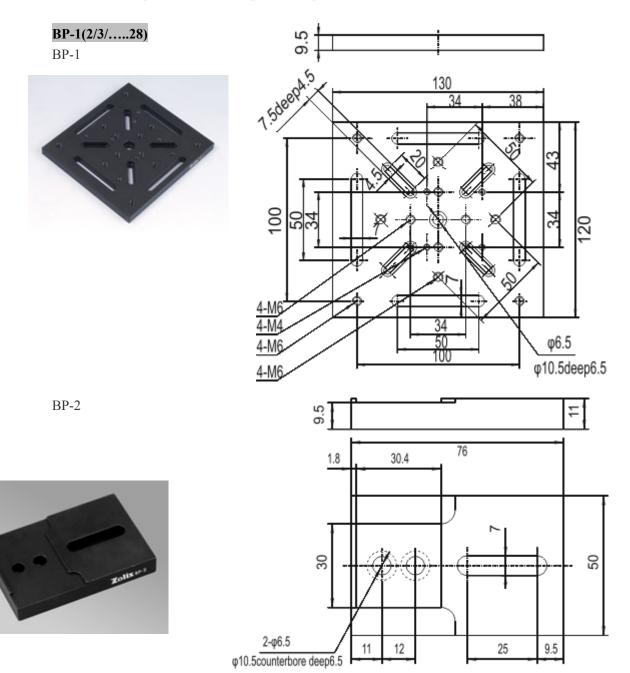


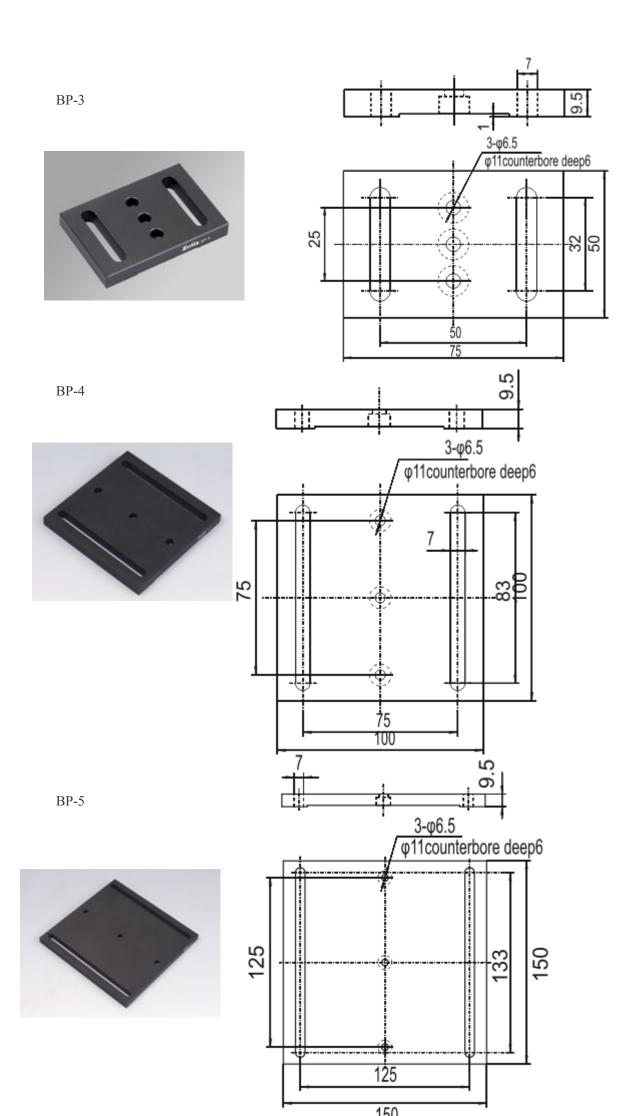
PHOB-5 right angle fixed block

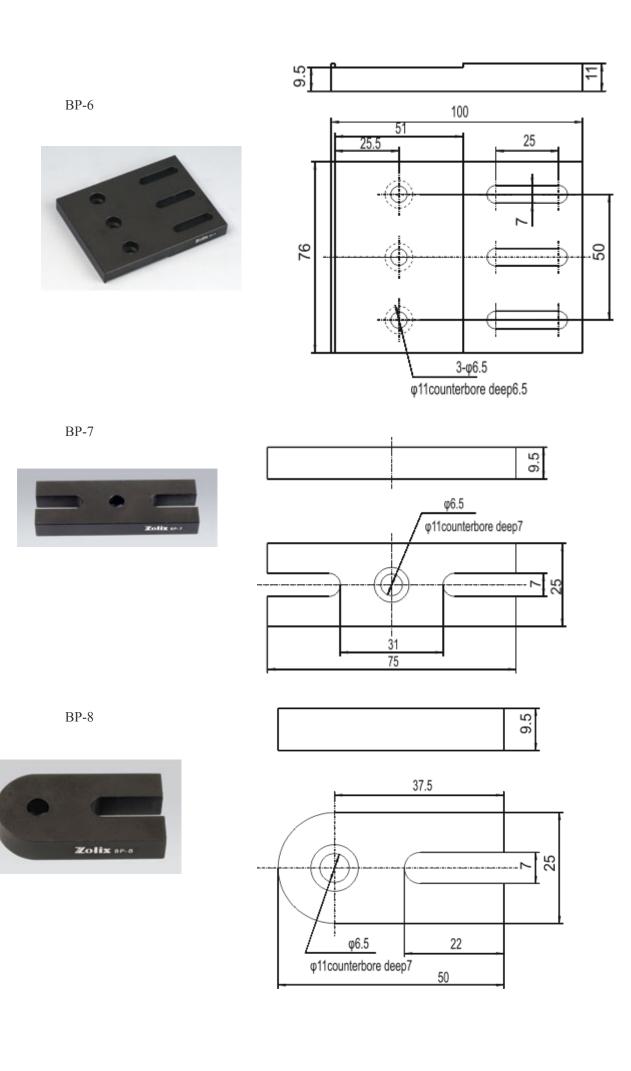


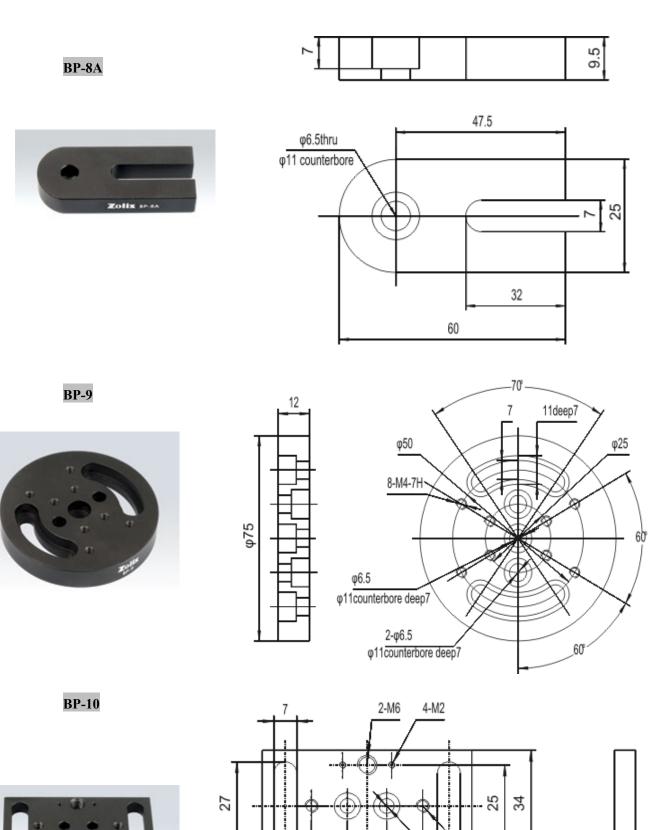
### Base plates

Suitable for different adjustable mounts composition or fix the adjustable to tabledesk, emerged many mode bases, the base is durable to friction by elaborate maching and processing, there are so many installed aperture of kinds of pitch and aperture, meet different needs









12

15

34

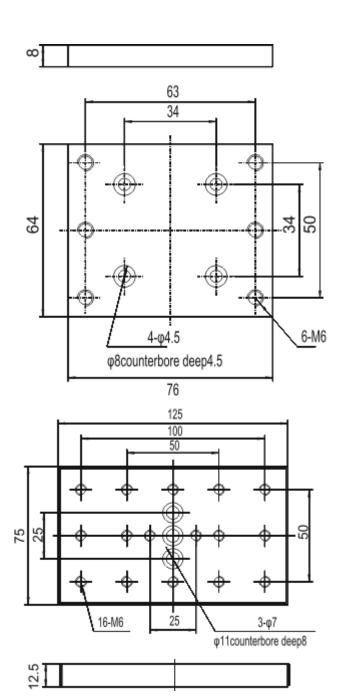
50 64 6.5

2-M4

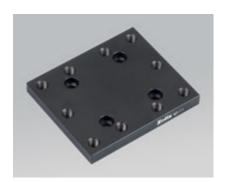
2-φ4.5

φ8counterbore deep4.5





BP-11

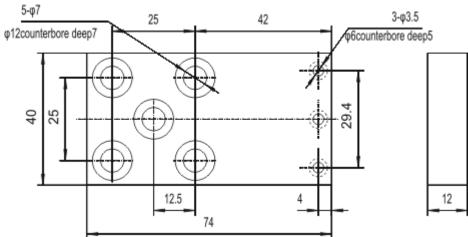


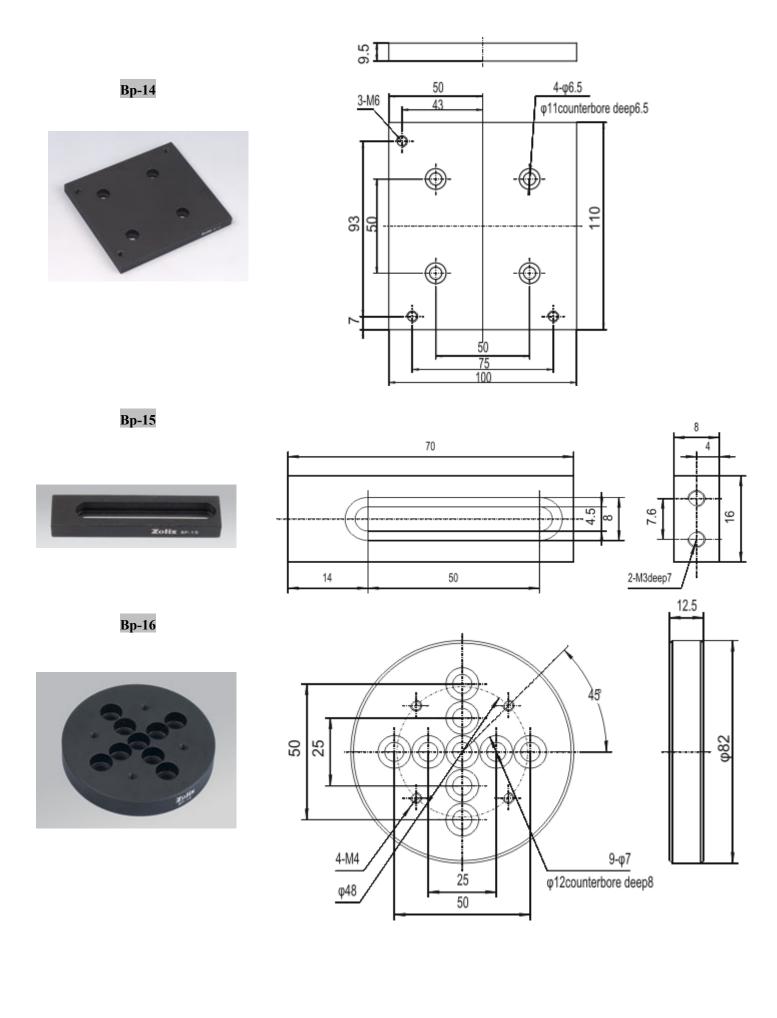
**BP-12** 

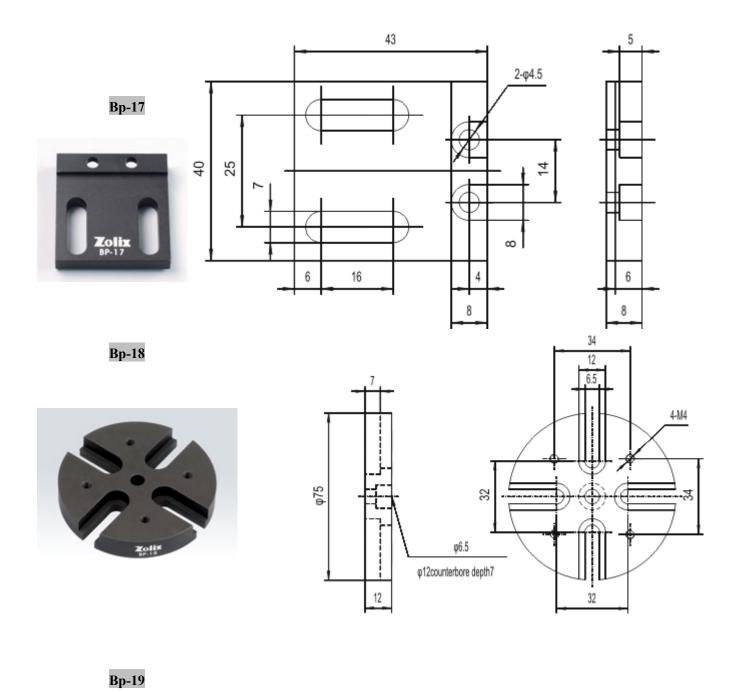


**Bp-13** 

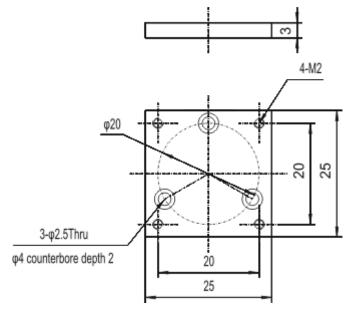




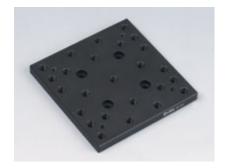








**Bp-20** 

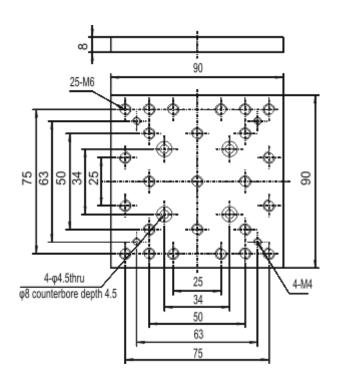


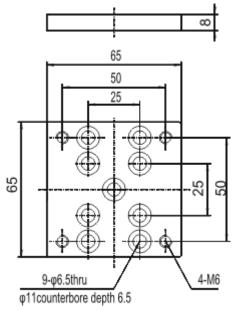
**Bp-21** 

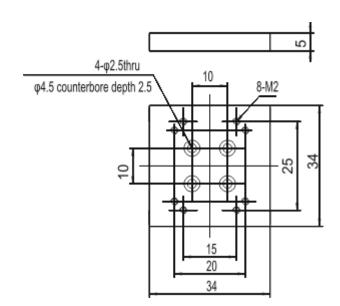


**Bp-22** 



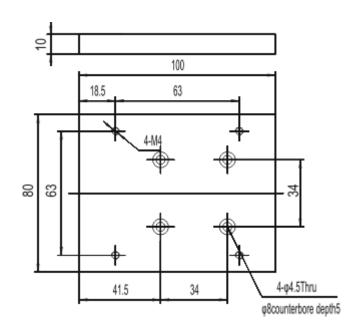






**Bp-23** 

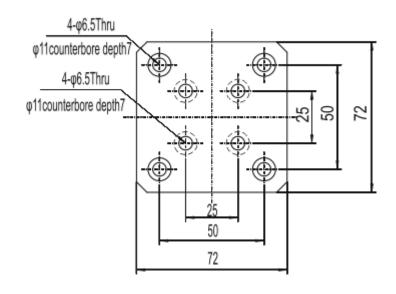




**Bp-24** 

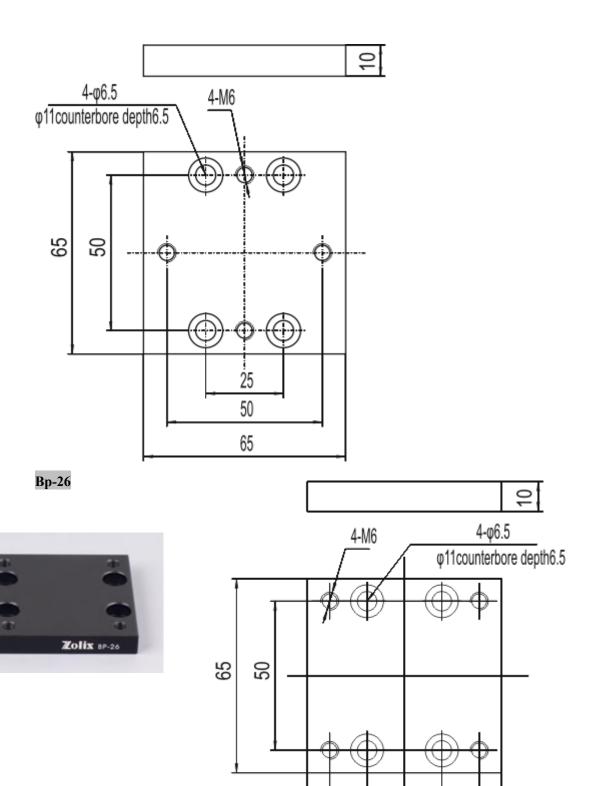


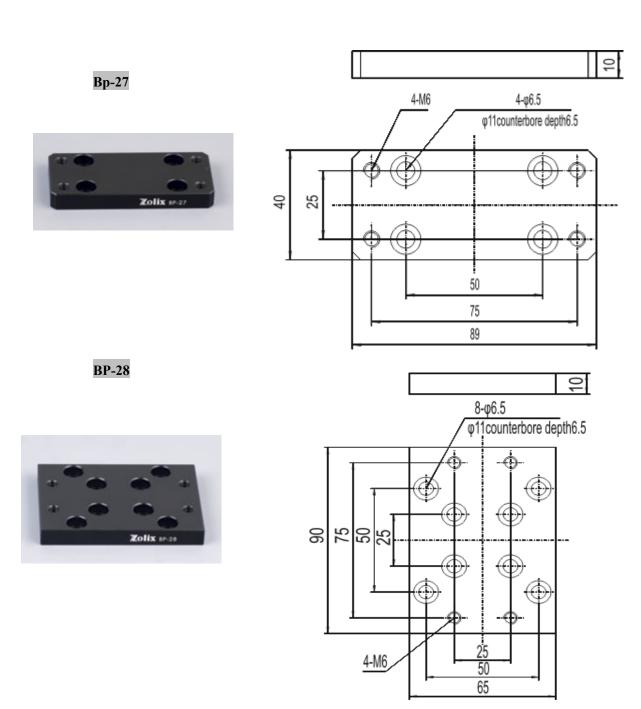
1 1 1



**Bp-25** 



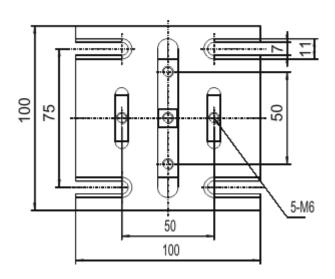




### BPRB-1 two dimensional tanslation base plates

The design of the BPRB-1is to solve weight adjustment and lock tight, easy to use



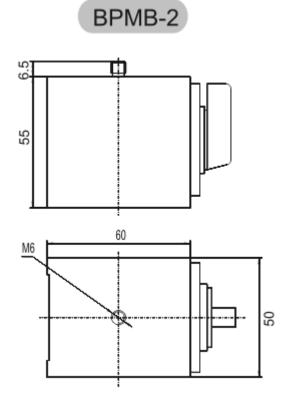


### BPMB-1(2) magnetic base

Magnetic of flexible convenience installed mode is extensively applicable for lab.put the fixed object to install the base,remove magnetic,adjust position,and then rotate the switches.,the magnetic base has big suction,excellent stability on the basis of traditional base,plus innovation,keep the flexible and convenience when fixing, suitable for our many adjustable mounts



# BPMB-1 4-M4 64 5-M6 5-M6



### BPMB-3 magnetic base

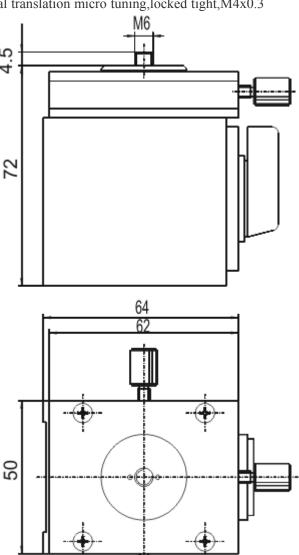
Besides the below functions ,realize x y dimensional translation micro tuning,locked tight,M4x0.3

fine teeth screw of mico tuning screw higher adjustor roatation post holders, can realize xyz adjustment.



### **Specification:**

2-axial travel: ±2mm load capacity:3kg Adsorbability:60kg Weight:1.1kg

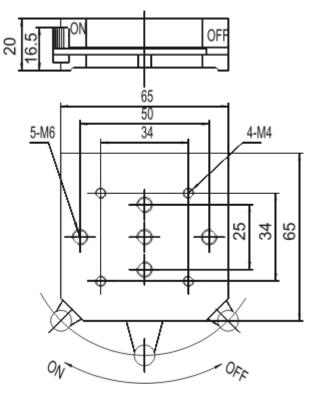


### BPMB-4 ultra-thin magnetic base

Besides the magnetic base functions, also compact, ultra-thin, magnetic adjustable . the table can fix many modes optics, lasting magnetic provides supper sauction, adjustable magnetic from off to on , equipped with standard pitch screw, easy to connect, combined with other objects conveniently



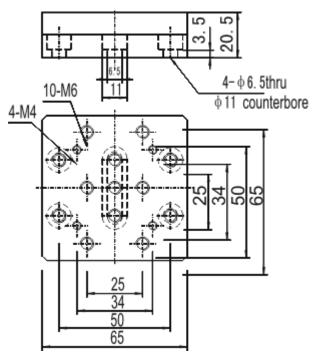
- **■**specifications
- ◆Adsorbability:23kg;
- ♦High: 20mm;
- ◆Table size:65mmX65mm



### **BPKB-2** resetable magnetic base

Depart of the top and the bottom block, connected by magnetic parts,the screw fix the bottom block, ensure the accuracy of reseting by position constructure





### RA series rails

### **RAOB** series rails

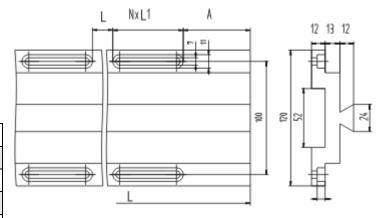
Rails mounts is composed to co-axis optics system by RACA series rails mounts, for example: support rods and post holders, suitable for miniature optical experiments.

The range between the adustment mounts can be noted by the scale of the top ,easy to quantitative adjustment, dovetail mounts can combine with dovetail groove .lock firmly

RA series rails of high quality steel ,non deformation, light weight, easy to remove, is the best choice for physical optical experiment, replace the old steel mounts



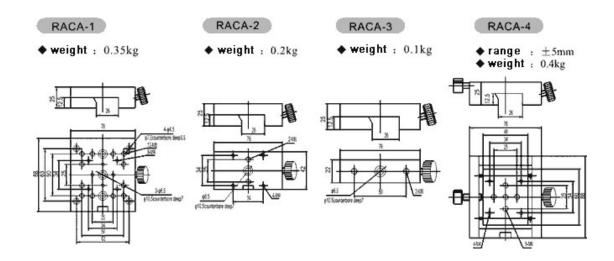
	RA05-1	RA10-1	RA15-1	RA20-1
L	500	1000	1500	2000
A	80	125	120	145
В	40	50	60	60
С	260	300	340	490
N	2	3	4	4
Weight	2.85kg	5.75kg	8.65kg	11.5kg



### RACA series slider

Adopting dovetail constructure, combined with rails, convenience adjsutment, good repeatability steel locked handwheel of plastic connectore, lock tight, not damage the mounts strong applicable of installed pitching, different width rails mount, suitable for different travel specially RACA-4 rails mounts can horizontal micro tuning, m6x0.25 ultra-find tuning screw driver of adjustment constructure, precision linear guide disc spring reset, high precision, good stability

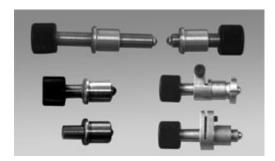




### AC accessories

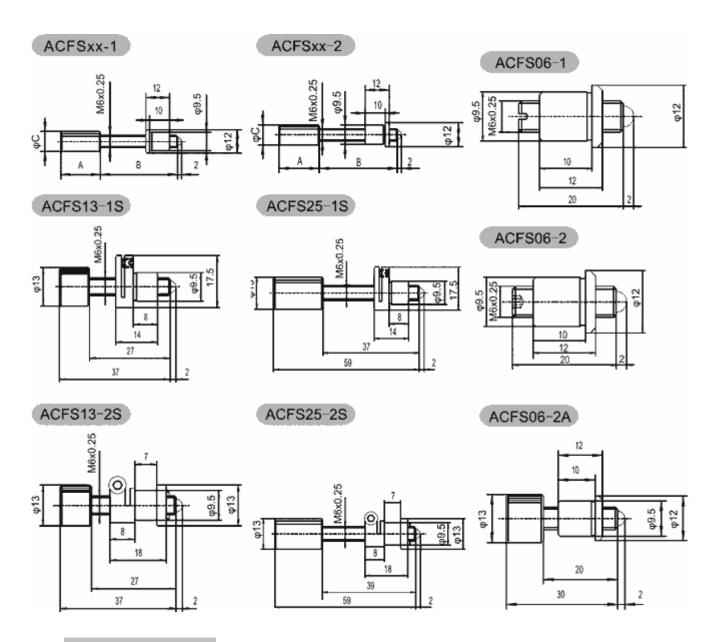
### ACFS series screw vice

Compared with micrometer,,M6x0.25 ultra fine teeth micro tuning screw vice supply higher precision adjustment function.micro tuning screw vice can exchange with micro meter.APFS06-1(2) has no handwheel ,adjust by screw driver,besides micro tuning ACFS13-1S,ACFS25-1S,ACFS13-2S have and locked tight functions,buld and crop of this series flexible and stable. locked position



### ■ Specification

Model	Travel	A	В	С
ACFS06 -1	6		20	
ACFS06 -2	6		20	
ACFS06 -1A	6	10	20	13
ACFS06 -2A	6	10	20	13
ACFS13 -1	13	10	27	13
ACFS13 -2	13	10	27	13
ACFS13 -1S	13	10	27	13
APFS13 -2S	13	10	27	13
ACFS25 -1	25	20	39	10
ACFS25 - 1S	25	20	39	10
ACFS25 -2	25	20	39	10
ACFS25 - 2S	25	20	39	10
ACFS50 -1	50	20	64	10
ACFS50 -2	50	20	64	10



### ACSM series micrometer

This below micrometer suitable for qualntitative adjustment ,high accuracy ,comfort,durable.other models please contact us

Min scale is 0.01mm, sensitivity 0.001mm



### **■**Specification

M 1 1	Trav	Trav A		Б			Б	Б
Model	el	MIN	MAX	В	С	D	E	F
ACSM06-1	6	5.8	11.8	15.6	49.6	4	9. 5	13
ACSM13-1	13	4	17	10	58. 5	6	9. 5	13
ACSM25-1	25	5	30	12	101	6. 5	11	18
ACSM25-2	25	4	29	12	101	6.5	11	18

### ACSM25-2 A min scale 0.001mm

The same model micrometer has crop and ball ,please confirm it when you buy,if not confirm ,.it will be ball

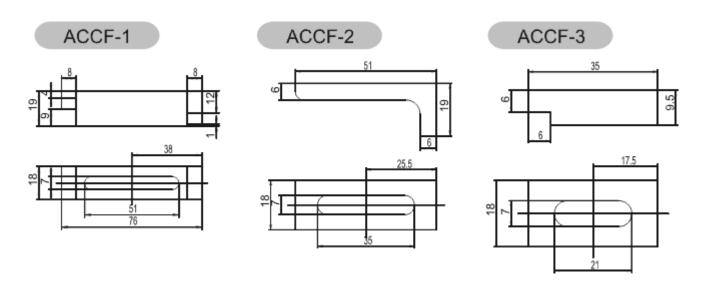
### ACCF series fixed plates

ACCFseries fixed plates and ACCFseries adjustable plates can fix and lock the optics parts in anything position,

Convenient remove, reliable. ACCA series adjustable height, flexible and convenient



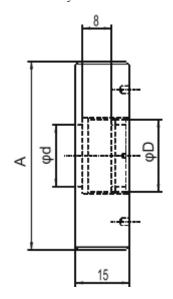




### ACOA series adapter ring

ACOA series adapter have three models by outer diameter:1,diameter m52x1 screw,2,diameter 50.8,3,diameter is 40.applicable for other products of the same diameter.change the lens size ,strong applicability ,improving the working effectiveness.save money and time.





### Specification

Model	A	С	D	d
ACOA13 -1	M52X1	15	φ13	φ9.5
ACOA13 -2	φ50.8	15	φ13	φ11
ACOA13 -3	φ40	15	φ13	φ11
ACOA20 -1	M52X1	15	φ20	φ17
ACOA20 -2	φ50.8	15	φ20	φ18
ACOA20 -3	φ40	15	φ20	φ18
ACOA25.4 -1	M52X1	15	φ26	φ22
ACOA25.4 -2	φ50.8	15	φ26	φ23.5
ACOA25.4 -3	φ40	15	φ26	φ23.5
ACOA30 -1	M52X1	15	φ30	φ26
ACOA30 -2	φ50.8	15	φ30	φ28
ACOA30 -3	φ40	15	φ30	φ28
ACOA40 -1	M52X1	15	φ40	φ38
ACOA40 -2	φ50.8	15	φ40	φ38

### ACCS adapter screw

It is convenient for screw products of two sides directly Screw box and installed adjustment devices

Our company provides many screws and devices installed,adjustment,composition for your convenience



## Specification

ACCS-1A	M6-M4 screw with flange adapter
ACCS-1B	M6-M6 screw with flange adapter
ACCS-2A	M4-M4 screw without flange adapter
ACCS-2B	M6-M6 screw without flange adapter
ACCS-3	M6-M4 screw without flange adapter
ACCS-6-6.35	M6-M6.35 screw with flange adapter

### **Screws tools**

