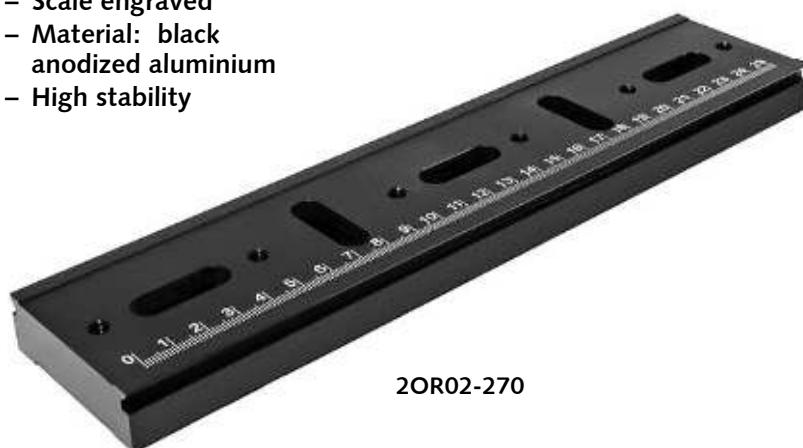
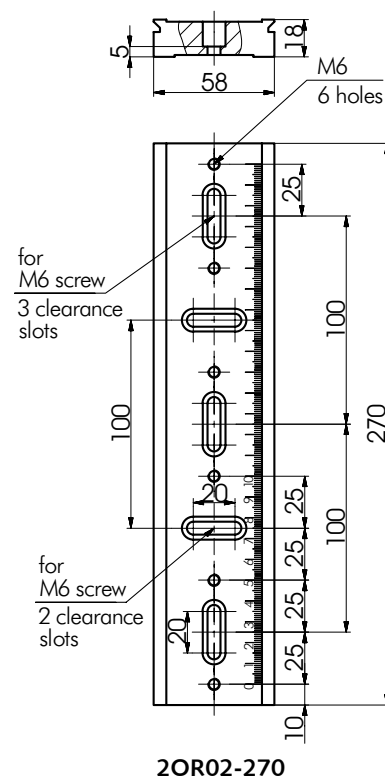
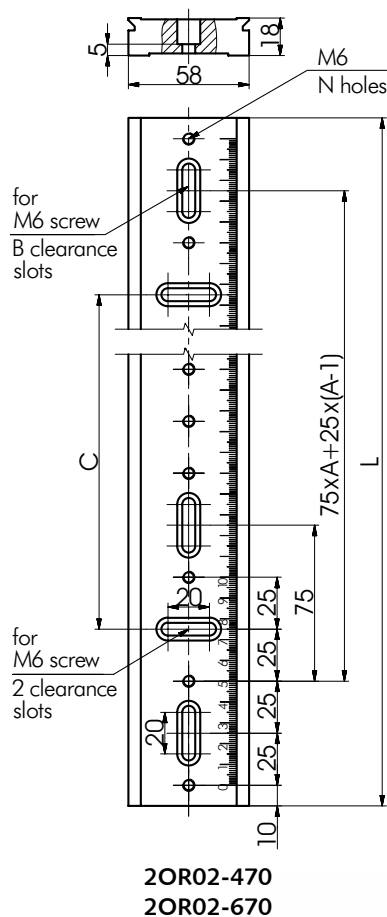
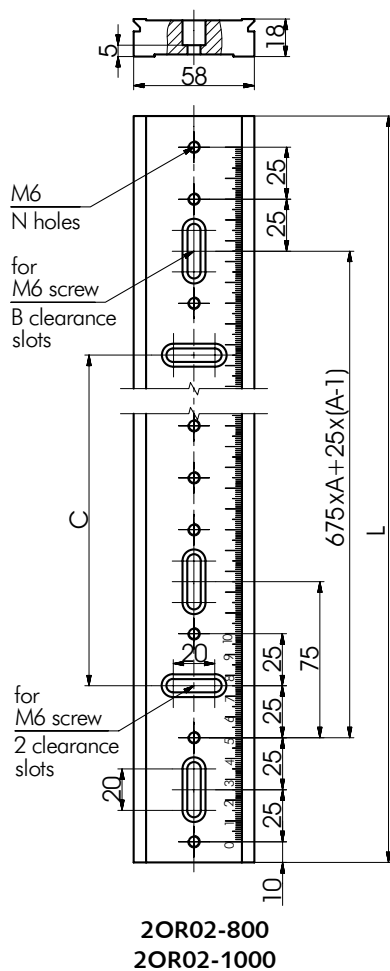
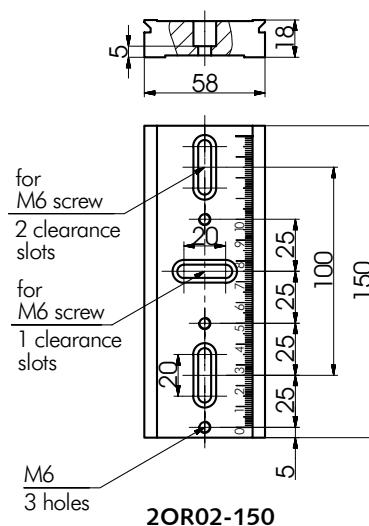


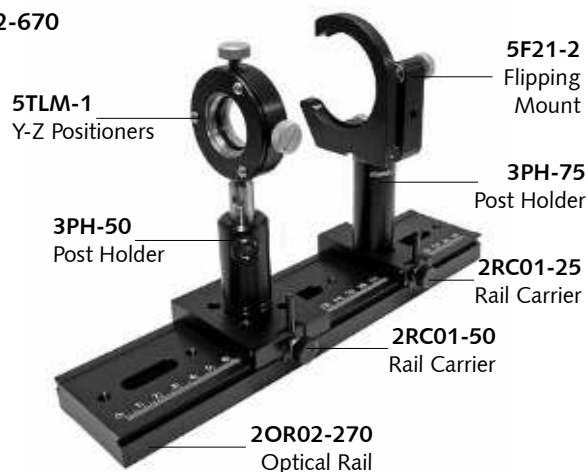
Aluminium Optical Rails

2OR02

- Easy sliding and fixing
- Scale engraved
- Material: black anodized aluminium
- High stability


2OR02-270


Model	Length, mm	A	N	B	D	C	Weight, kg
2OR02-150	150	-	3	2	1	-	0.36
2OR02-270	270	2	6	3	2	100	0.66
2OR02-470	470	4	12	5	2	300	1.16
2OR02-670	670	6	18	7	2	500	1.65
2OR02-800	800	7	22	8	2	600	2.00
2OR02-1000	1000	9	28	10	2	800	2.40



Optical Tables	1
Brackets & Rails	2
Base Mounts & Accessories	3
Optical Mounts	4
Optical Positioners	5
Base Positioners	6
Translation & Rotation Stages	7
Motorised Positioners & Controllers	8
Fine Adjustment Screws	9
Opto-Mechanics & Sets	10
Light Test & Measurement Instruments	11
Lasers & Accessories	12

Aluminium Rail Carriers

2RC01-25 • 2RC01-50



2RC01-25



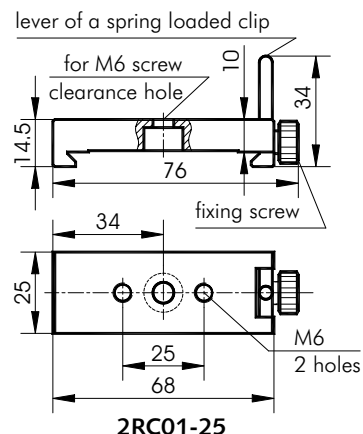
2RC01-50

- Two locking options: by integrated spring clip, and by a fixing screw
- Quick and easy sliding
- Material: black anodized aluminium

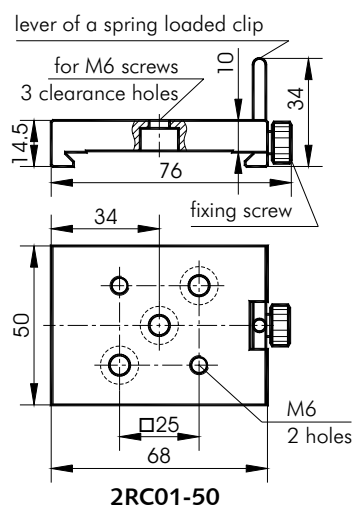
To release and to move, or to lift the carrier you push the lever of the **clip**. To stop the carrier firmly, use the fixing screw. Rather than grinding against, and damaging the rail with its tip, the screw gently clamps to the rail the wide tenon of the clip.

The **clip** is preloaded by a spring. Its **lever is removable** (on a thread).

Model	Weight, kg
2RC01-25	0.05
2RC01-50	0.09

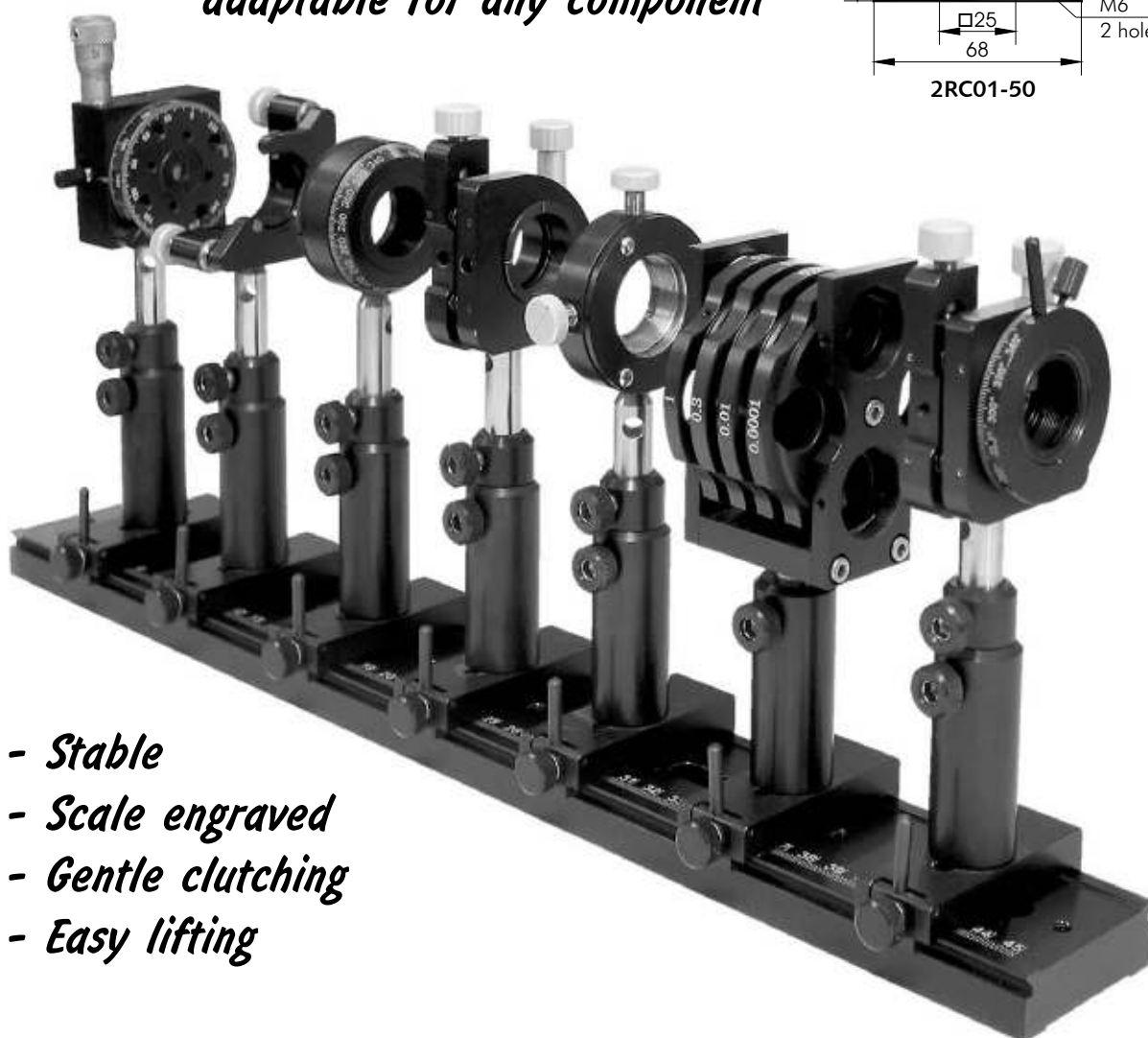


2RC01-25



2RC01-50

Optical Rail System 20R02 adaptable for any component



- Stable
- Scale engraved
- Gentle clutching
- Easy lifting

Steel Optical Rails

2OR6



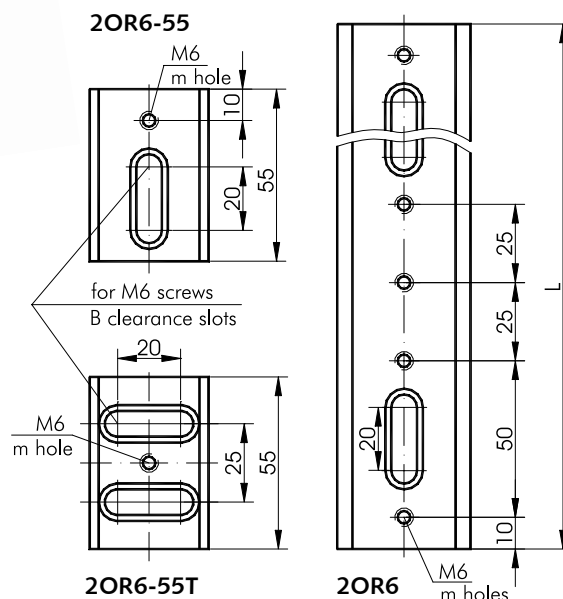
**Bigger sizes
available
on request.**

The Optical Rails 2OR6 have low profile and are made of hardened steel. Rails have patterns of M6 tapped holes and of 6.4 mm clearance slots. The holes and slots are used for mounting on optical plates, on opto-mechanical elements and for interconnections.

See related article 10ORS6.

Model	L, mm	B	m	Weight, kg
2OR6-55	55	1	1	0.15
2OR6-55T	55	2	1	0.15
2OR6-270	270	2	8	0.76
2OR6-470	470	4	14	1.36
2OR6-670	670	6	20	1.93

Rails with transversal clearance slots 2OR6-55T are available to special orders.



Steel Rail Carriers

2RC6



2RC6-50



2RC6-50H



2RC6-25

The Rail Carriers 2RC6-50, 2RC6-25 may be quickly lifted and set again on a rail. Slide the carrier to any point on the rail and secure it with the fixing screw.

The carriers have patterns of M6 and Ø6.4 mm mounting holes used to fasten other units. 2RC6-50H has a Ø18 mm clear aperture. An article Mini Optical Rail System 10ORS6 gives examples of use of the carriers.

Precision Carriers 2RC6 come in two widths: 25 mm and 50 mm. Carrier 2RC6 may be used as a reference for repeated positioning. Units, such as 2RC6-50H, 7T8-01, may be reinserted exactly into the same position next to the reference carrier.

Rail Carriers are made of black finished hardened steel.

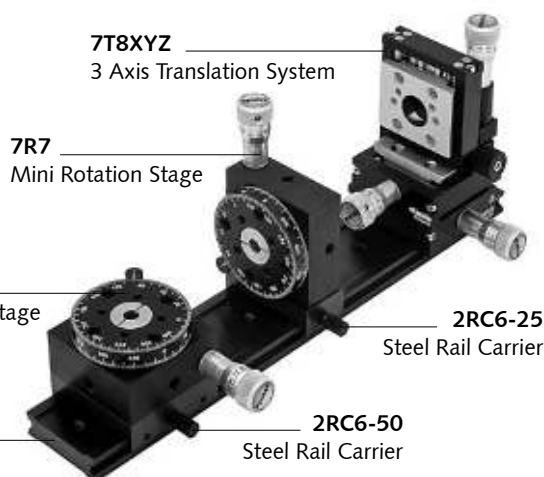
Weight:	2RC6-50	0.16 kg
	2RC6-50H	0.15 kg
	2RC6-25	0.08 kg

7T8XYZ
3 Axis Translation System

7R7
Mini Rotation Stage

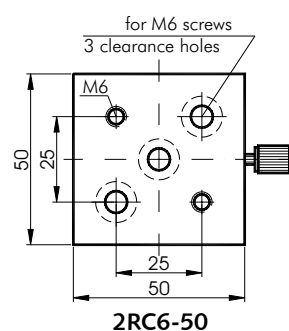
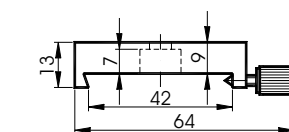
7R7
Mini Rotation Stage

2OR6-270
Steel Optical Rail

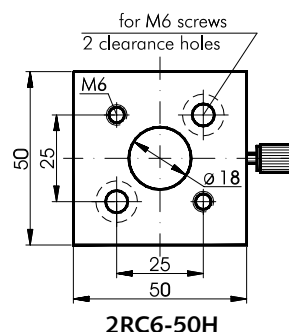


2RC6-25
Steel Rail Carrier

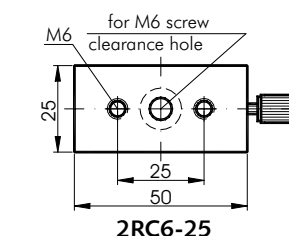
2RC6-50
Steel Rail Carrier



2RC6-50



2RC6-50H



2RC6-25

Steel Sliding Rail Carrier

2SRC6-50

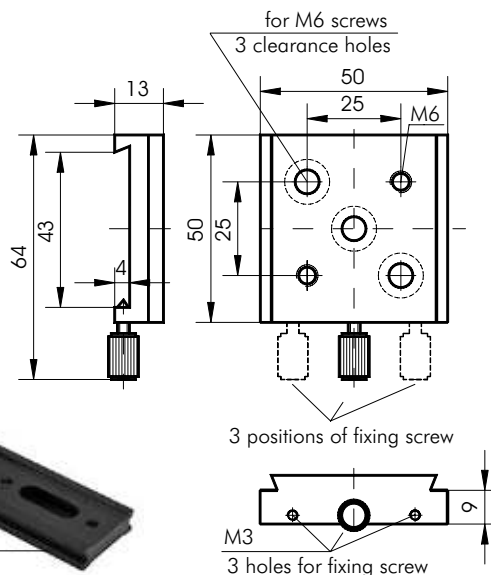
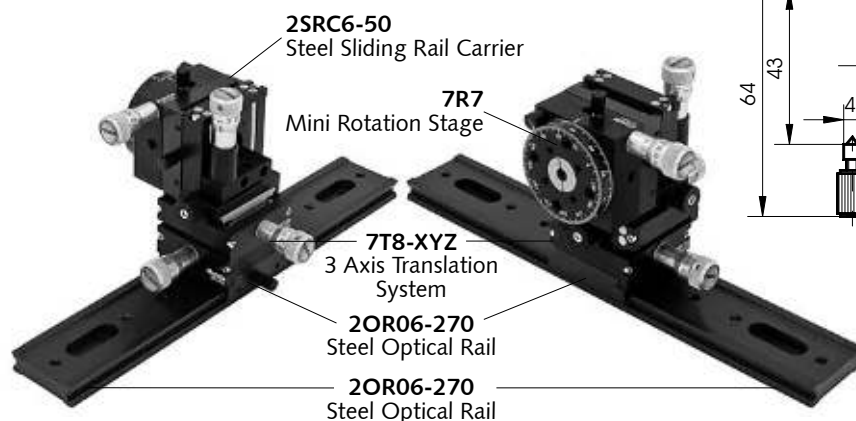


Sliding Rail Carrier 2SRC6-50 – a universal platform, which has additional upper rails, orthogonal to lower base rails.

The Carrier allows to attach any unit of **10ORS6 system** on the rail **2OR6**, to move it easily along the Optical Rail and to fix it across within ± 15 mm.

The carrier has a pattern of **M6** and $\varnothing 6.4$ mounting holes. Sliding Rail Carrier is made of black finished hardened steel.

Weight **0.14 kg**



Stacked rail carriers enable **only coarse** adjustment on axes X-Y. For **fine** adjustment use horizontal translators **7T8-01**.

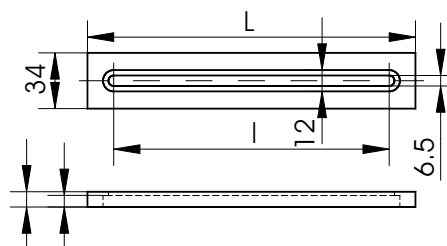
Z axis translator **7T8-02** can point its $\varnothing 15$ aperture 90° to the side – on single – or along the rail – on stacked carriers.

See also: optical rails **2OR6**; **7R7** and **7T8** – a rotator and integrated rail carriers/translators; Optical Rail Systems (Section 10).

Multiple Mounting Plates

for METRIC and INCH

2MP



Multiple Mounting Plates 2MP allow to assemble **groups** of accessories **mounted** in close proximity and acting **as one unit** (e.g. a compound lens).

For example, the slot of the plate 2MP allows to mount Lens Holders **4LM149** using **M6** screws from beneath. Their positions can be adjusted on the plate.

2MP can be attached to tables, breadboards and rods of both metric and imperial standards at the desired height and orientation.

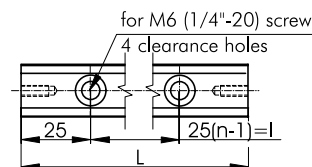
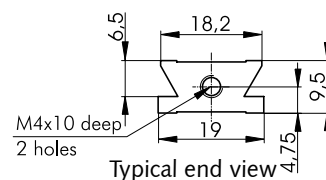
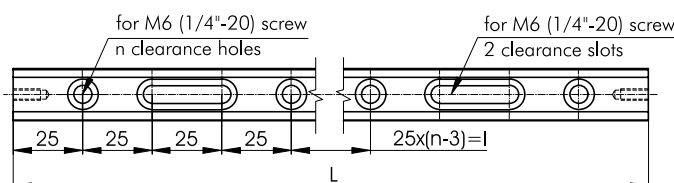
Material – black anodized aluminium.

Model	L, mm	l, mm	Weight, kg
2MP-30	300	265	0.5
2MP-20	200	165	0.35

4LM149-05
Universal Adjustable
Optics Mount



Construction Rails / Optical Rails

2OR19

2OR19-75; 2OR19-125; 2OR19-150

2OR19-300; 2OR19-450; 2OR19-600;

- Optical Rail System
- Small Optical Rails
- Available in sizes ranging from 75 mm (3") to 600 mm (24")
- Compact Low-profile dovetail design
- Precision CNC machined on all surfaces
- Material: black anodized aluminium

Model	L, mm	n	l	Weight, kg
2OR19-75	75	2	25	0.025
2OR19-125	125	4	75	0.04
2OR19-150	150	5	100	0.05
2OR19-300	300	7	100	0.1
2OR19-450	450	13	250	0.15
2OR19-600	600	19	400	0.2

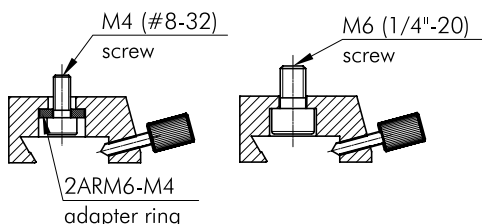
Optical Rail Accesories

2RC19-25 • 2RC19-50

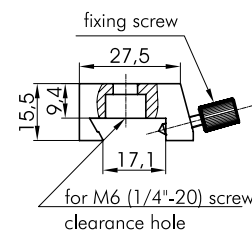
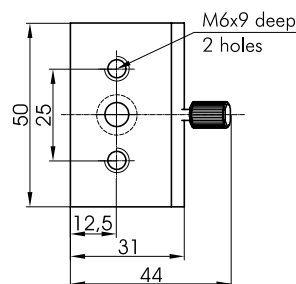
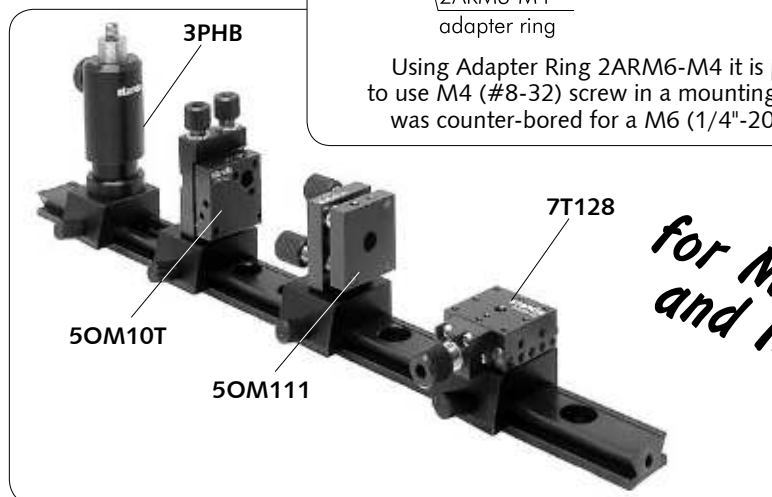
2RC19-25

- Rail carrier
- Essential Carriers for Optical Rail Setups
- Compact Dovetail design
- Precision Machined dovetail clamps
- Material: black anodized aluminium

2ARM6-M4 - Adapter Ring



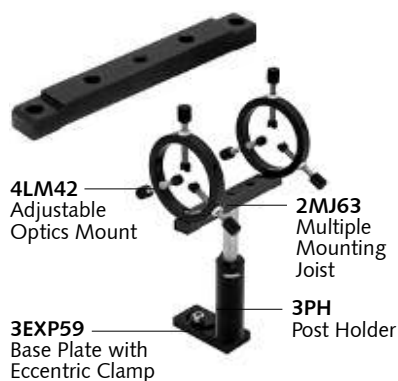
Using Adapter Ring 2ARM6-M4 it is possible to use M4 (#8-32) screw in a mounting hole that was counter-bored for a M6 (1/4"-20) screw.


2RC19-25

2RC19-50


for METRIC and INCH

Multiple Mounting Joist

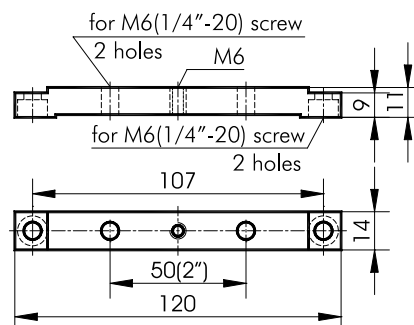
2MJ63



Joist **2MJ63** may be used, for example, to hold an assembly of long optical elements kept by two lens mounts (**4LM42**, **4LM149**).

The joist can be attached to tables, posts, and rods at the desired elevation and orientation.
Material: black finished steel.

Weight **0.1 kg**



Silent Rods

2SR32



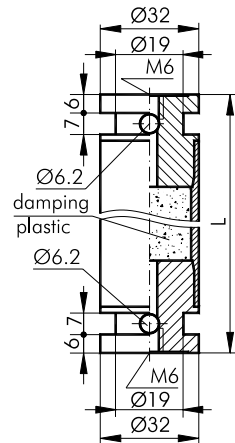
- Antivibration filling
- Ø32 mm stainless steel rod
- M6 tapped holes on both ends
- Designed for use with breadboards up to 0.5 m² square surface

Great stiffness, sturdiness and strength of steel allow the rods to support large loads with great stability.

Each rod has **M6** tapped holes on, and a groove around both ends. So, for mounting to tables, you may use adapters **3AH**, and clamps like **3UTC**, **3TC5**.

A Silent Rod consists of a stainless steel tube filled with **vibration damping plastic**. Even without external damping elements applied, the rods have high resonant frequency and low vibration amplitudes.

Steel ensures strength and thermal stability.



Model	L, mm	Weight, kg
2SR32-10	100	0.26
2SR32-20	200	0.54
2SR32-30	300	0.77



3UTC
clamp the rod exactly at the middle (page 3-4)

Adjustable Mounting Block

2AMB

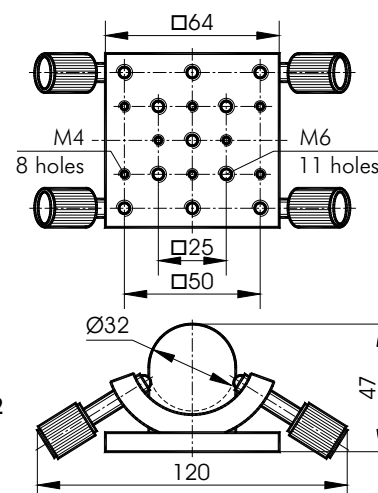
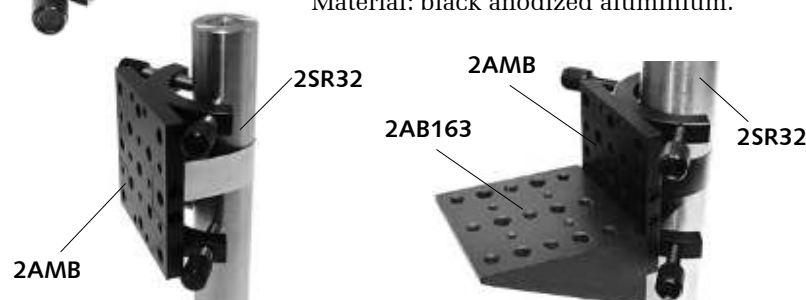


Adjustable Mounting Block 2AMB is a platform, which attaches to Silent Rods **2SR32**. It has a pattern of **M6** and **M4** holes for attachment of components.

The orientation is adjusted by **4** screws in the range of **5°** in all angular coordinates.

The same screws are used to fix the unit on the Silent Rod.

Material: black anodized aluminium.



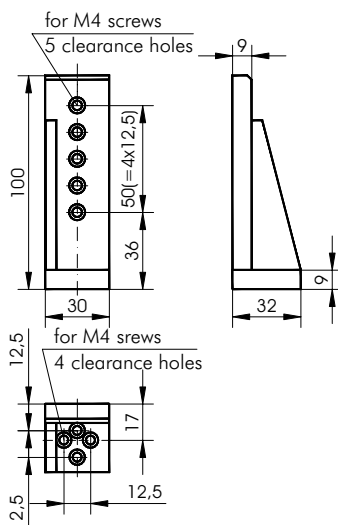
Angle Brackets

2AB

Rigid, 90° angled mounting plates. Use them to transform “horizontal” translators into vertical ones. Orient rod mounted accessories parallel to the table surface. Create adjustable height supports for most optical accessories.

Angle Bracket

2AB173-20

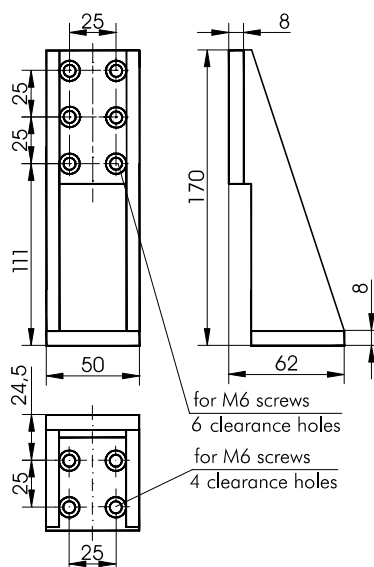


8MT173-20XYZ

- Weight – 0.11 kg
- Black anodized aluminium
- Designed to be used with
7T173-10
7T173-20
8MT173-20

Angle Bracket

2AB175



- Weight – 0.45 kg
- Black anodized aluminium
- Designed to be used with
7T175-50
7T175-100
7T175-150
8MT175-50
8MT175-100
8MT175-150
8MT175-200
8MT177-100
8MT50-100
8MT50-150
8MT50-200



7T175 series

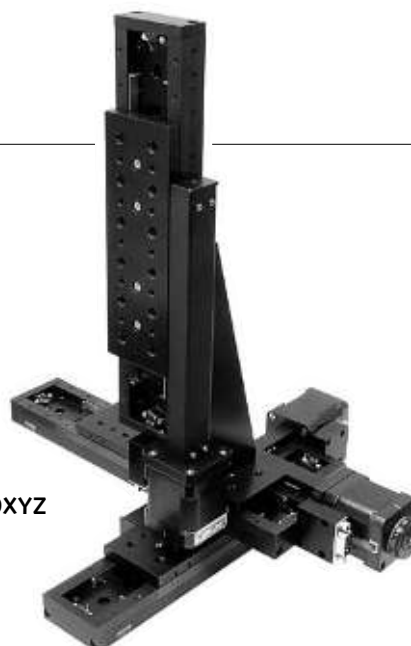


8MT177-100



8MT175 series

8MT175-100XYZ



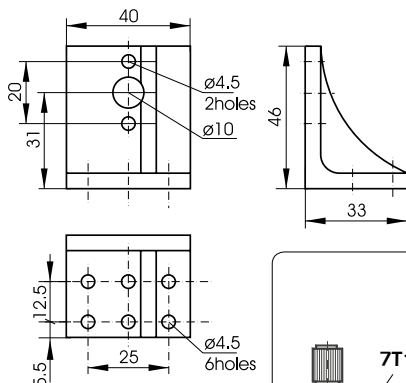
Angle Bracket

2AB164

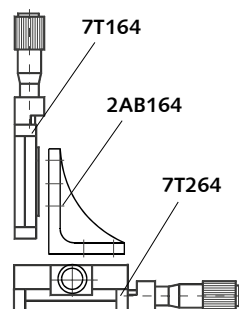
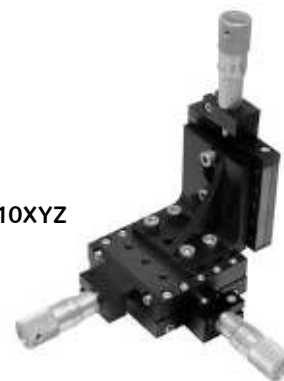


2AB164

- Weight – 0.06 kg
 - Black anodized aluminium
 - Designed to be used with
- 7T164-10**
7T264-10
7T273-10



7T164-10XYZ



- Weight – 1.13 kg
 - Stainless Steel
 - Designed to be used with
- 7T164SS-10**
7T264SS-10



2AB164SS



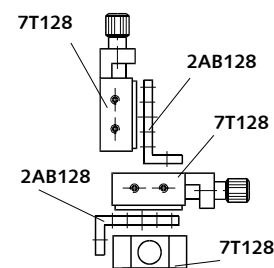
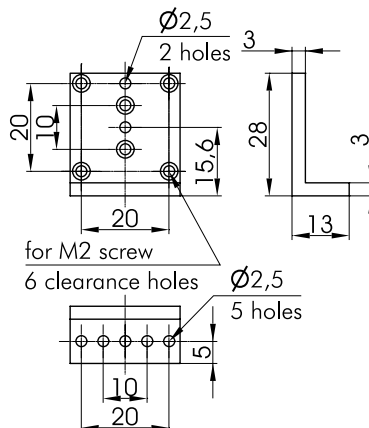
7T164SS-10XYZ

Angle Bracket

2AB128



- Weight – 0.02 kg
 - Black anodized aluminium
 - Designed to be used with
- 7T128**
7R128
7T228T



7T128XYZ



7R128
Micro Rotation Stage



2AB111-128

2AB111-128
Angle Bracket

5OM111
Mirror / Optics Mount

3SMP4-47
Mounting Post

3RBP-39
Angle Bracket

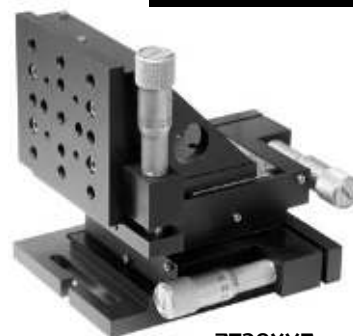
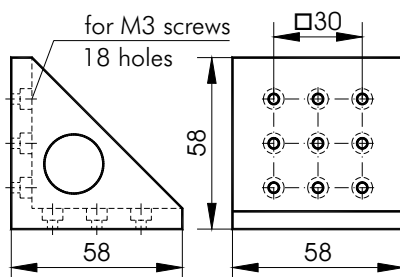
- Weight – 0.02 kg
 - Black anodized aluminium
 - Designed to be used with
- 5OM111** **7R128**
7T128 **7T228T**



7T128XYZ

Angle Bracket

2AB38

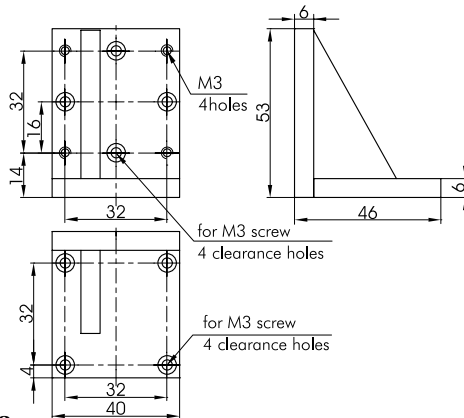


7T38XYZ

- Weight – 0.13 kg
- Black anodized aluminium
- Designed to be used with **7T38**

Angle Bracket

2AB174

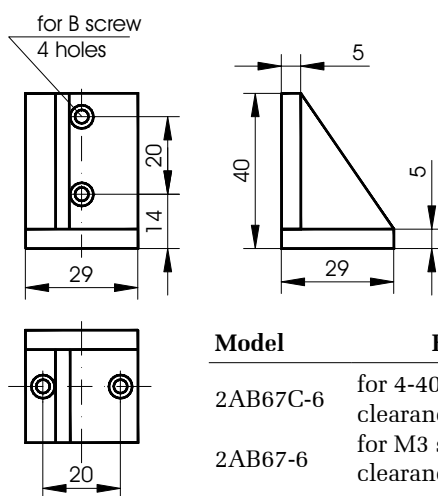


7T184-13XYZ

- Weight – 0.1 kg
- Black anodized aluminium
- Designed to be used with **7R174, 7T184-13, 8MT184-13**

Angle Bracket

2AB67-6



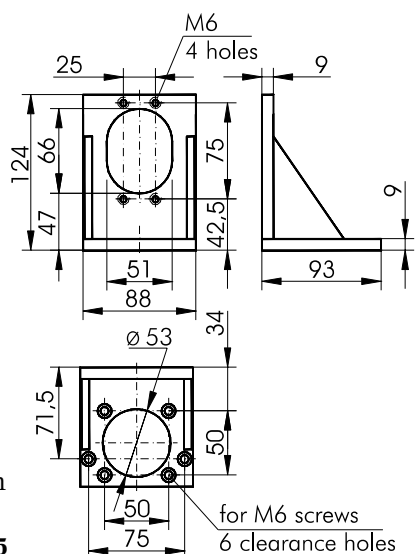
7T67-6XYZ

- Weight – 0.13 kg
- Stainless steel
- Designed to be used with **7T67-6**

Model	B
2AB67C-6	for 4-40 screw clearance hole
2AB67-6	for M3 screw clearance hole

Angle Bracket

2AB167-25



7T167-25XYZ

- Weight – 0.3 kg
- Black anodized aluminium
- Designed to be used with **7T167-25, 8MT167-25**



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standa



Optical
Tables

1

Brackets
& Rails

2

Base
Mounts &
Accessories

3

Optical
Mounts

4

Optical
Positioners

5

Base
Positioners

6

Translation &
Rotation
Stages

7

Motorised
Positioners &
Controllers

8

Fine
Adjustment
Screws

9

Opto-
Mechanics &
Sets

10

Light Test &
Measurement
Instruments

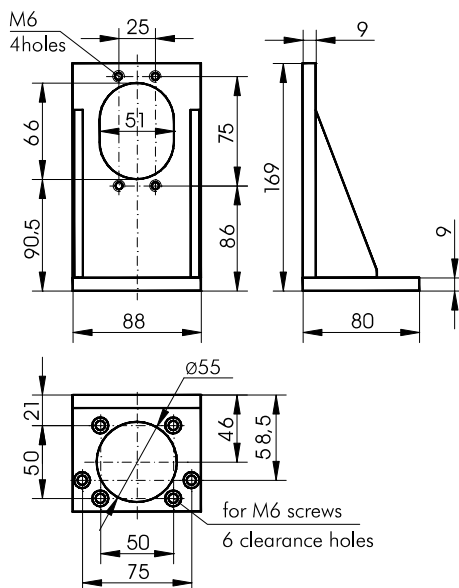
11

Lasers &
Accessories

12

Angle Bracket

2AB167-50



7T167-50XYZ

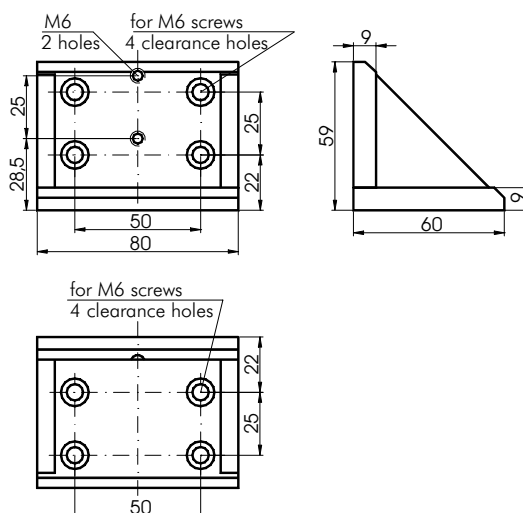
- Weight – 0.4 kg
- Black anodized aluminium
- Designed to be used with
7T167-50
8MT167-100

Angle Bracket

2AB67-25



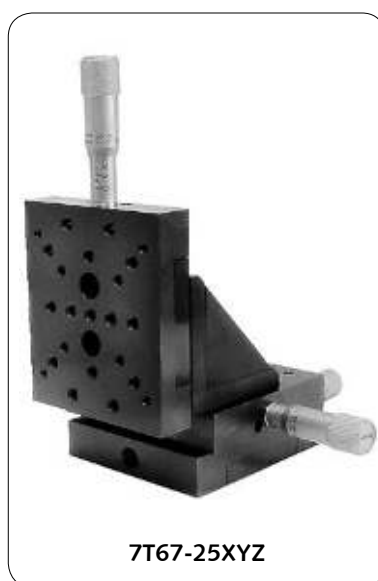
2AB67SS-25



2AB67-25
2AB67-25-Al



7T67SS-25XYZ



7T67-25XYZ



7T68-25XYZ

- Weight
2AB67-25 – 0.24 kg
2AB67SS-25 – 0.24 kg
2AB67-25-Al – 0.16 kg

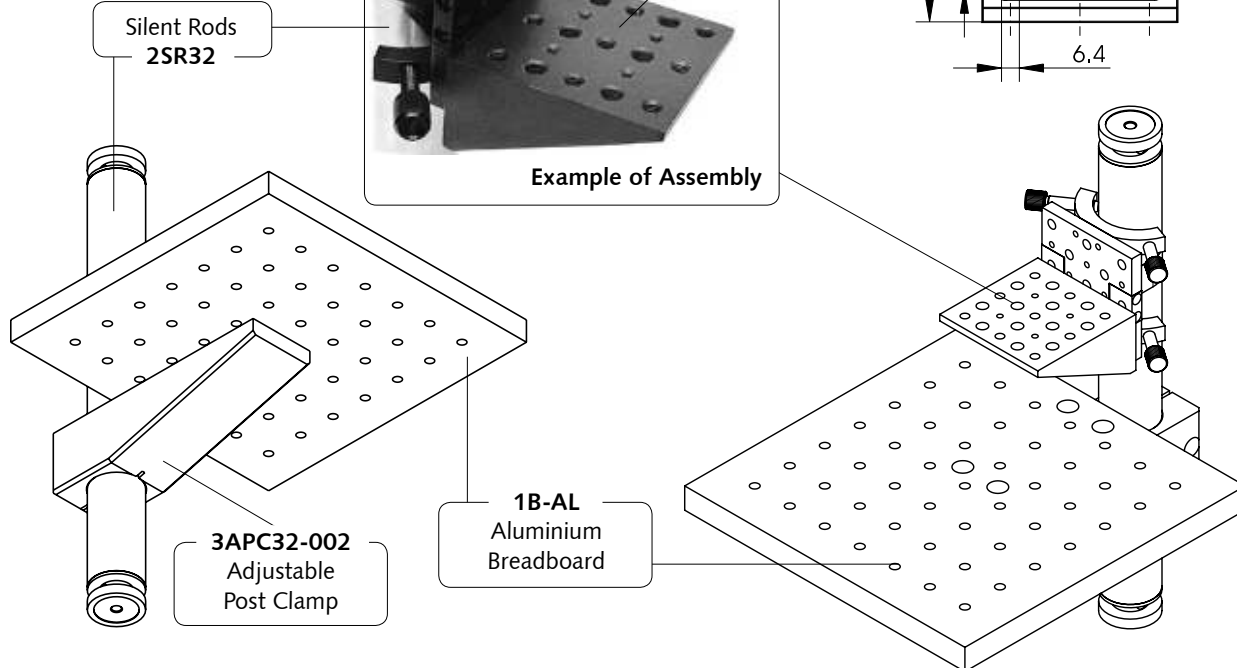
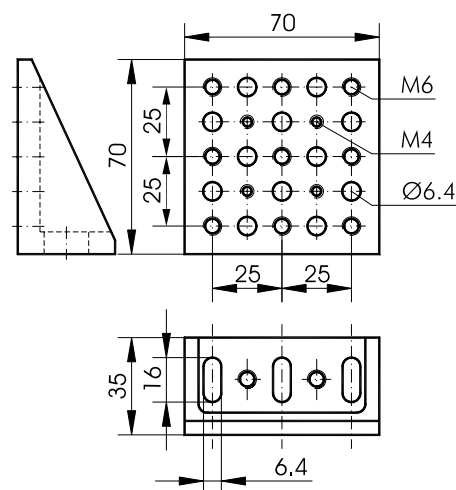
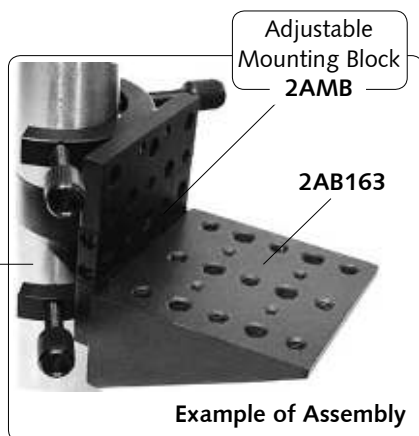
- Material
2AB67-25 – steel
2AB67SS-25 – stainless steel
2AB67-25-Al – black anodized aluminium

- Designed to be used with
2AB67-25 – 7T67-25
2AB67SS-25 – 7T67SS-25
2AB67-25-Al – 7T68-25,
7T68-25T

Angle Bracket

2AB163

- Angle bracket for multi-purpose applications
- Weight – 0.15 kg
- Black anodized aluminium



Mini Angle Brackets

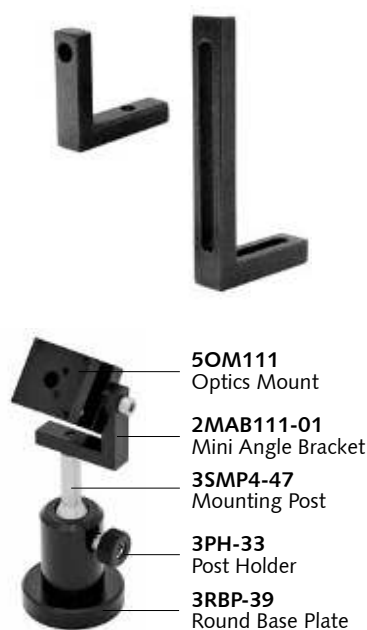
2MAB111

Mini Angle Brackets 2MAB111 are used to increase functions of **Mini** and **Micro** series Optical positioners **5BM121** and **5OM111**.

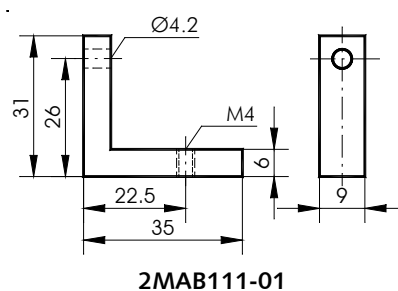
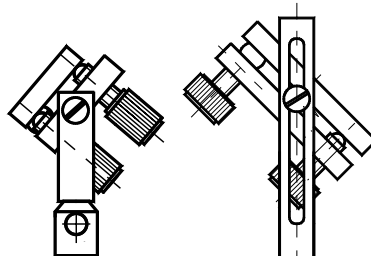
Model **2MAB111-01** allows to establish any angle of a positioner. **2MAB111-02** also allows height and position adjustment, as it has two **4.2 mm** clearance slots.

Mini Angle Brackets are made from black anodized aluminium.

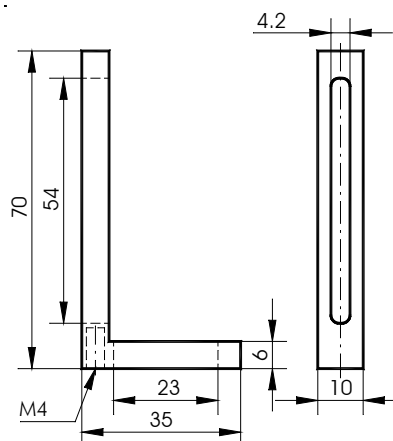
Weight: 2MAB111-01 **0.01 kg**
2MAB111-02 **0.01 kg**



For coarse adjustment about horizontal axis compact Mirror mounts can be used with Mini Angle Brackets.



2MAB111-01



2MAB111-02