

Options

Description	Symbol	Suffix
Single acting version normally open (only for type PAB and PPC)		/SE
Side lever mounting (only for type PPD)		B
Special versions on request		/S

For code key see the table below.

Code key

Bore	Type	/	Options
20	PAB	/	SE
PAB Ø 10, 16, 20, 25, 32	PAB Double acting Magnetic Angular		SE*
PAC Ø 12, 16, 20, 25, 32	PAC Double acting Magnetic Angular 180°		S
PPB Ø 10, 16, 20, 25, 32	PPB Double acting Magnetic Parallel		
PPC Ø 6, 10, 16, 20, 25, 32, 40	PPC Double acting Magnetic Guided parallel		
PPE Ø 16, 20, 25, 32, 40, 50, 63, 80, 100	PPE Double acting Magnetic 3 fingers		

*Only PAB - PAC type

Bore	/	Stroke	Type	Options
20	/	50	PPD	B
Ø 10, 16, 20, 25, 32, 40		20 ÷ 160 mm	PPD Double acting Magnetic Parallel long stroke	B
				/S

How to order

Bore	Type	Options
20	PAB	/ SE

How to order

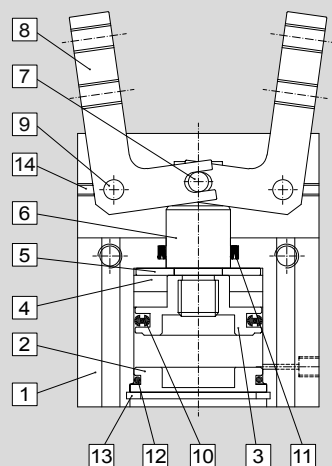
Bore	Stroke	Type	Options
20	50	PPD	B

Notes

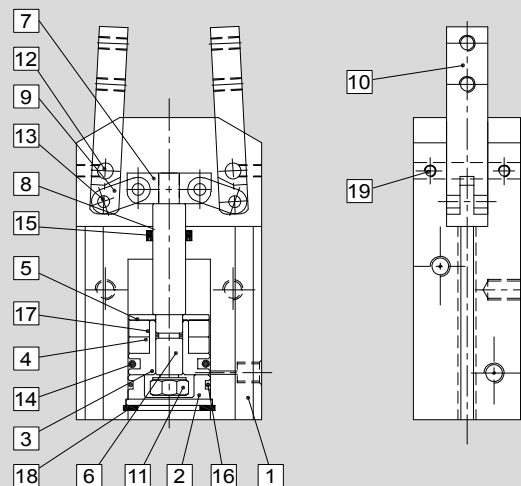
For further information on options see table above.

Standard materials

Type: **PAB**



Type: **PAC**

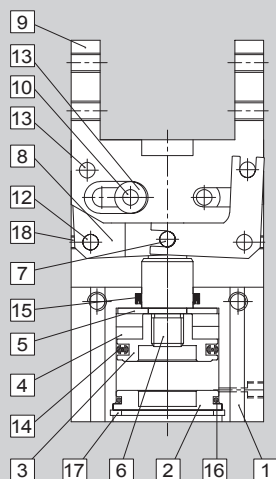


Position	Description	Materials
1	Body	Aluminium
2	End cover	Brass
3	Piston	Brass
4	Magnet	Plastic magnet
5	Spacer	Brass
6	Piston rod	Stainless Steel
7	Piston rod pin	Steel
8	Fingers	Steel alloy
9	Slide pin	Steel
10	Piston seal	NBR
11	Rod seal	NBR
12	End cover seal	NBR
13	Seeger	Steel
14	Hexagonal screw	Steel alloy

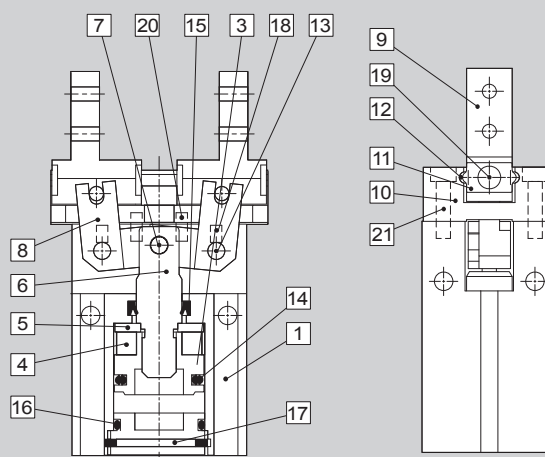
Position	Description	Materials
1	Body	Aluminium
2	End cover	Aluminium
3	Piston	Brass
4	Magnet	Plastic magnet
5	Spacer	Brass
6	Piston rod	Stainless Steel
7	End piston joint	Steel alloy
8	Piston rod pin	Steel
9	Actioning lever	Steel alloy
10	Fingers	Steel alloy
11	Nut	Steel
12	Slide pin	Steel
13	Action lever pin	Steel
14	Piston seal	NBR
15	Piston rod seal	NBR
16	End cover seal	NBR
17	Rod seal	NBR
18	Seeger	Spring steel
19	Hexagonal screw	Steel alloy

Standard materials

Type: PPB



Type: PPC

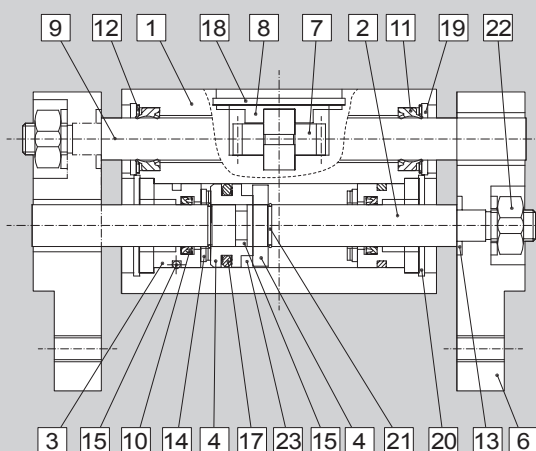


Position	Description	Materials
1	Body	Aluminium
2	End cover	Brass
3	Piston	Brass
4	Magnet	Plastic magnet
5	Spacer	Brass
6	Piston rod	Stainless Steel
7	Piston rod pin	Steel
8	Actioning lever	Steel alloy
9	Fingers	Steel alloy
10	Slide guide pin	Steel
11	Slide pin	Steel
12	Action lever pin	Steel
13	Washer	Steel alloy
14	Piston seal	NBR
15	Piston rod seal	NBR
16	End cover seal	NBR
17	Seeger	Spring steel
18	Hexagonal screw	Steel alloy

Position	Description	Materials
1	Body	Aluminium alloy
2	End cover	Aluminium alloy
3	Piston	Copper
4	Magnet	Plastic magnet
5	Spacer	Copper
6	Piston rod	Stainless Steel
7	Pin	Steel
8	Actioning lever	Stainless Steel
9	Fingers	Stainless Steel
10	Fingers base	Stainless Steel
11	Ball stopper	Stainless Steel
12	Ball	Steel
13	Action lever pin	Steel
14	Piston seal	NBR
15	Rod seal	NBR
16	End cover seal	NBR
17	Snap ring	Steel alloy
18	Screw	Steel alloy
19	Screw	Steel alloy
20	Pin	Steel
21	Mounting screw	Steel alloy

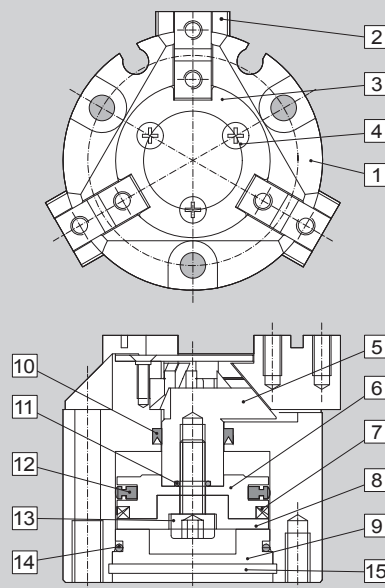
Standard materials

Type: PPD



Position	Description	Materials
1	Body	Aluminium
2	Piston rod	Stainless Steel
3	End cover	Aluminium
4	Piston	Brass
5	Magnet holder	Brass
6	Fingers	Aluminium
7	Pinion	Carbon steel
8	Pinion cover	Iron
9	Rod guide	Stainless Steel
10	Piston rod seal	NBR
11	Rod guide seal	NBR
12	Seeger	Iron
13	Cushion spacer	Iron
14	Piston rod dampers	Polyurethane (PU)
15	End cover seal	NBR
16	Piston seal	NBR
17	Piston o-ring	NBR
18	Seeger	Spring steel
19	Seeger	Spring steel
20	Seeger	Spring steel
21	Seeger	Spring steel
22	Nut	Steel
23	Magnet	Plastic magnet

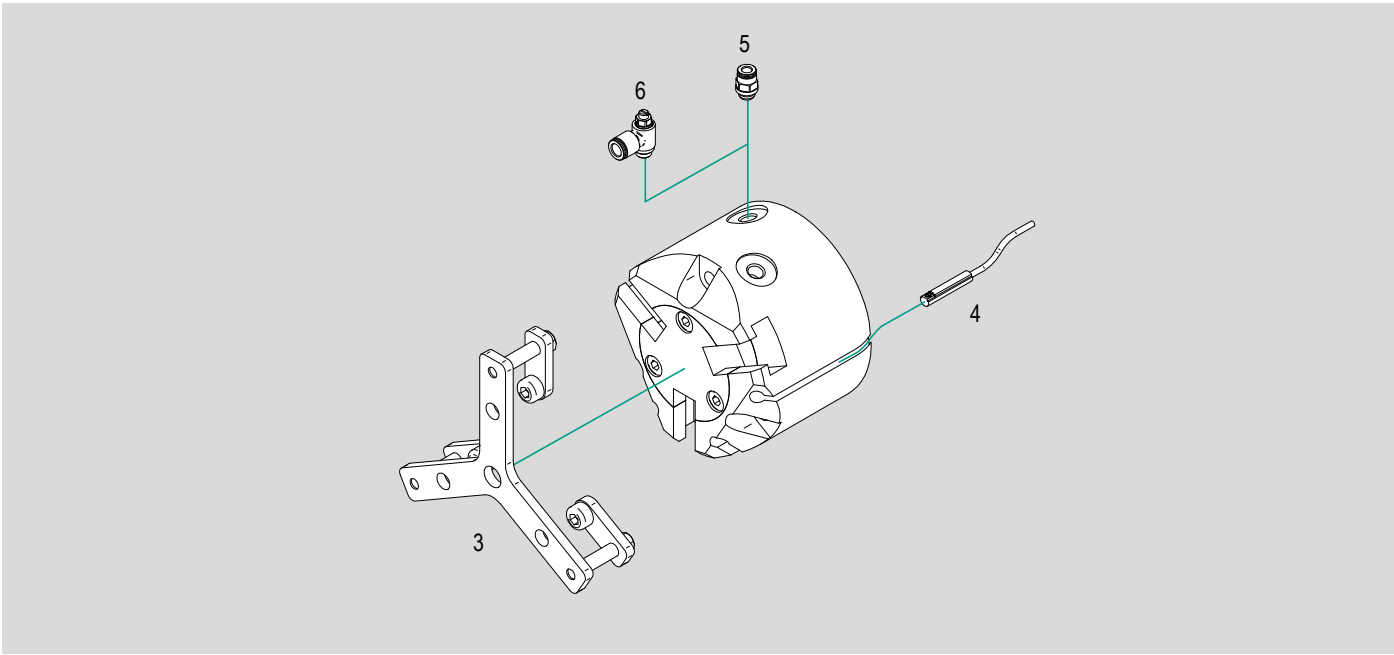
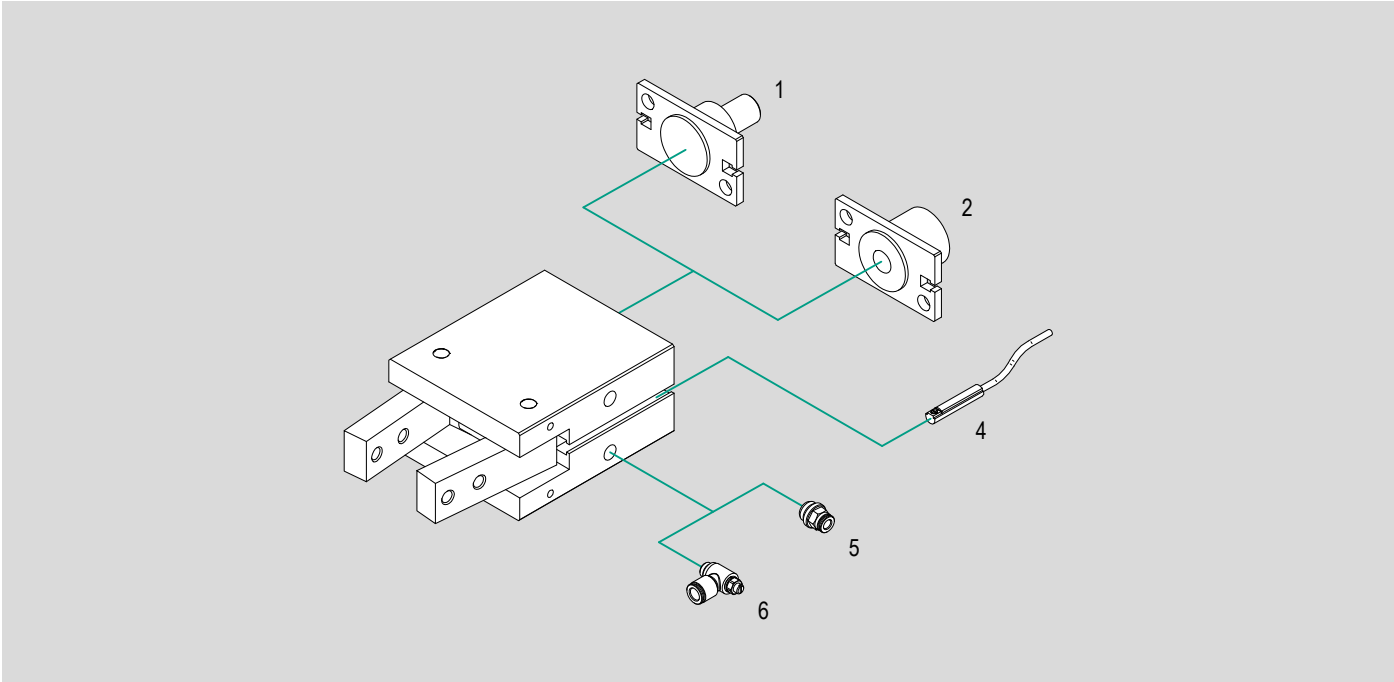
Type: PPE



Position	Description	Materials
1	Body	Aluminium alloy
2	Fingers	Steel alloy
3	Spacer	Stainless Steel
4	Spacer screw	Steel alloy
5	Rod	Steel alloy
6	Piston	Aluminium alloy
7	Magnet	Plastic magnet
8	Magnet cover	Aluminium alloy
9	End cover	Aluminium alloy
10	Shaft seal	NBR
11	Shaft o-ring	NBR
12	Piston seal	NBR
13	Screw	Steel alloy
14	End cover o-ring	NBR
15	Seeger	Steel alloy

Accessories

1 - CYLINDERS



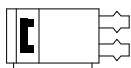
N.	Cylinder bore	Item	Description	Compliance	Matching						Code page	Data sheet page
					PAB	PAC	PPB	PPC	PPD	PPE		
1	Ø 10 ÷ 32	..PM	Male mounting	-	●	●	●	-	-	-	1.60.90	1.100.350
2	Ø 10 ÷ 32	..PF	Female mounting	-	●	●	●	-	-	-		
3	Ø 25 ÷ 100	..PTD	Plate	-	-	-	-	-	-	●		1.100.351
4	Ø 6 ÷ 100	ASC..	Magnetic reed switch C groove	-	●	●	●	●	●	●		1.110.30
5	Ø 6 ÷ 100	R..	Push-in fittings	-	●	●	●	●	●	●	4.2.1	
5	Ø 6 ÷ 100	V..C	Flow controls, for cylinders	-	●	●	●	●	●	●	4.94.1	

Key
● allowed matching; - not allowed matching

Main features

10 ÷ 32

Bores Ø



Double acting
Magnetic
Angular

PAB

Type



Technical data

Bore Ø mm		10	16	20	25	32
Fluid		Compressed filtered air				
Lubrication	Piston	With or without lubrication				
	Lever	Lubrication required on sliding parts				
Pressure range		1,5 ÷ 7 bar				
Temperature range		0°C ÷ +60°C				
Lever open/close angle		-10° ÷ +30°				
Maximum operation frequency		80/min.				
Ports		M3	M5			
Maximum length of gripping point L		30 mm	40 mm	60 mm	70 mm	85 mm
Theoretical gripping force M (Kgf·cm)	Closing	0,16 x P	0,80 x P	1,70 x P	3,40 x P	6,10 x P
	Opening	0,26 x P	1,10 x P	2,30 x P	4,30 x P	8,10 x P
Effective gripping force F (N)		F = M / L x 0,85				
Weight (g)		100	120	200	330	560

Key

F = effective gripping force; **M** = theoretical gripping force; **L** = maximum length of gripping point; **P** = operating pressure;

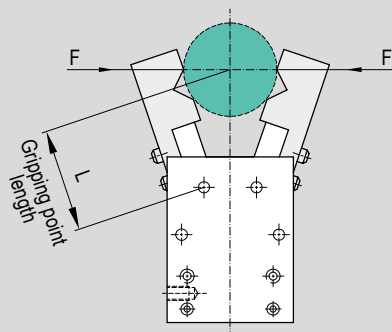
See also table at page 1.60.21

Codes

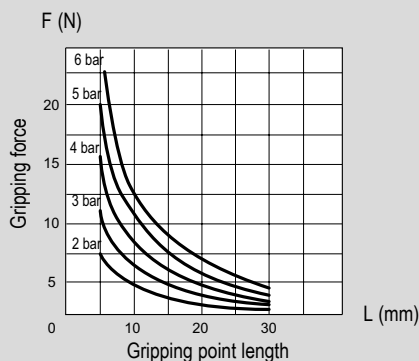
Function	PAB Bore Ø mm				
	10	16	20	25	32
Double acting	075023	075004	075006	075008	075010
Single acting	075072	075073	075070	075071	170677

Gripping forces

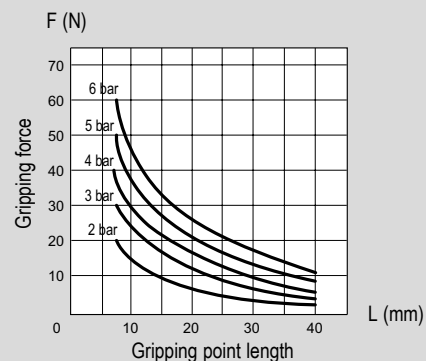
Type: **PAB**



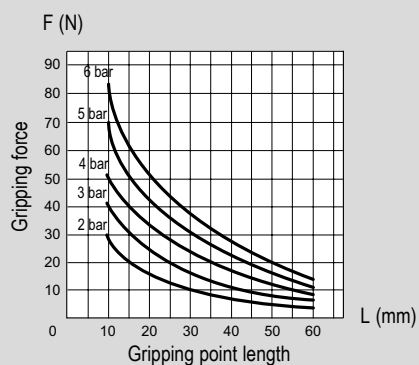
Bore: Ø 10



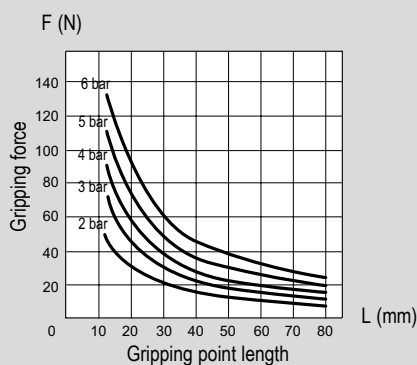
Bore: Ø 16



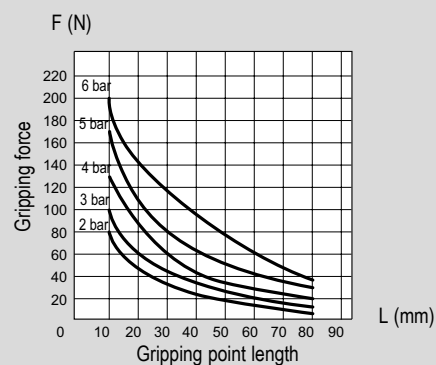
Bore: Ø 20



Bore: Ø 25

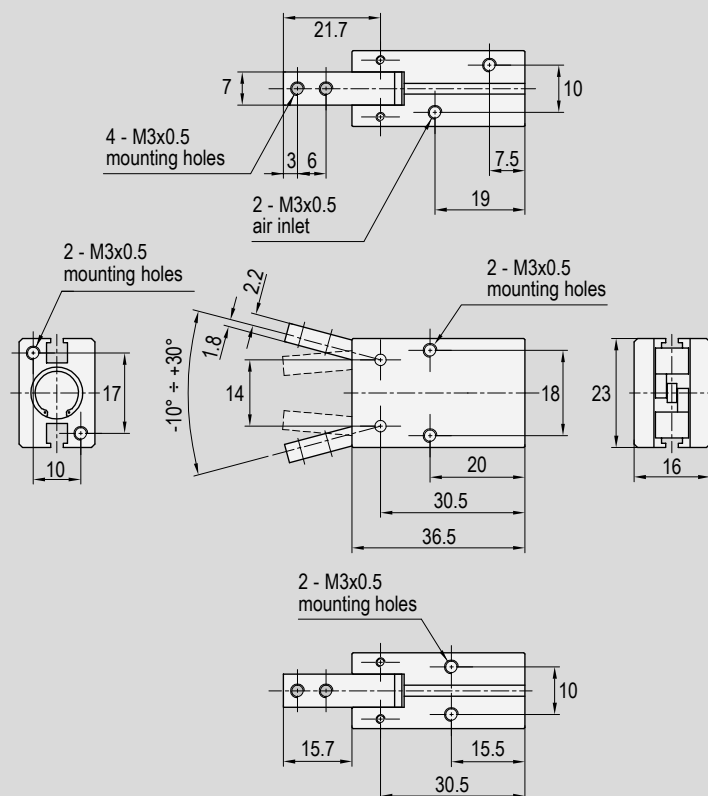


Bore: Ø 32

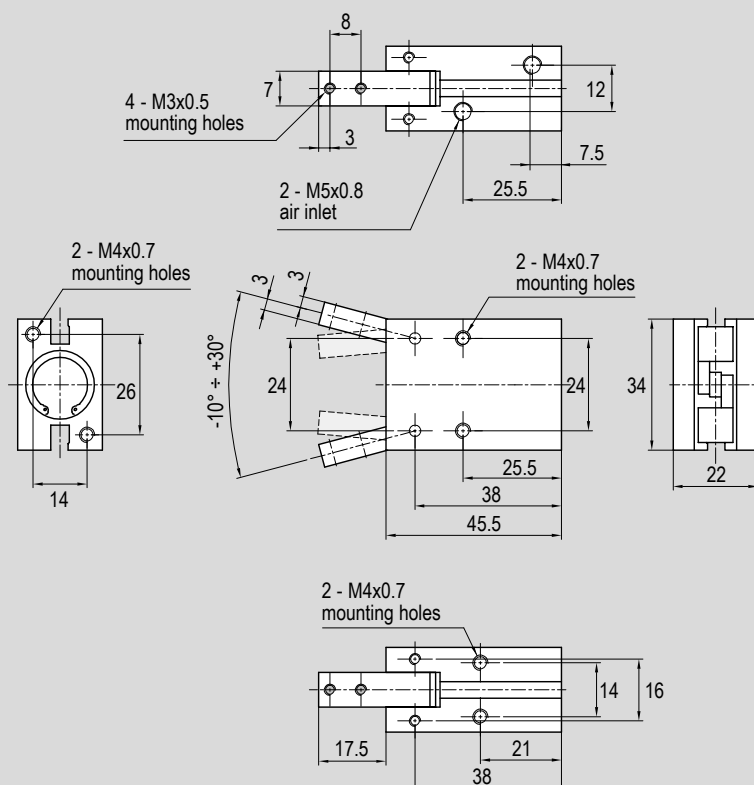


Standard dimensions

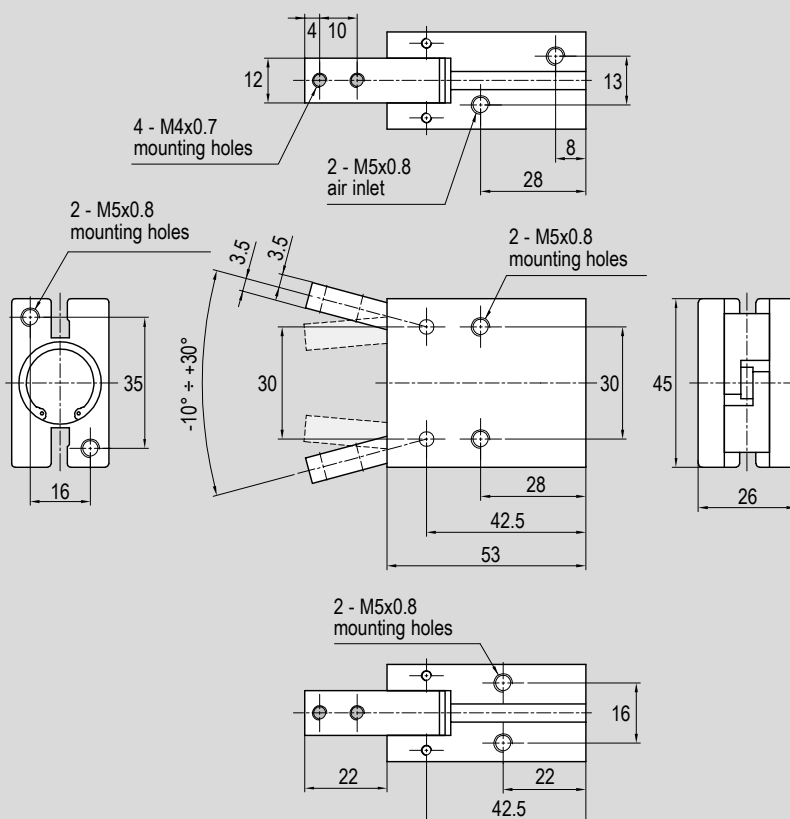
Type: **PAB**
Ø 10



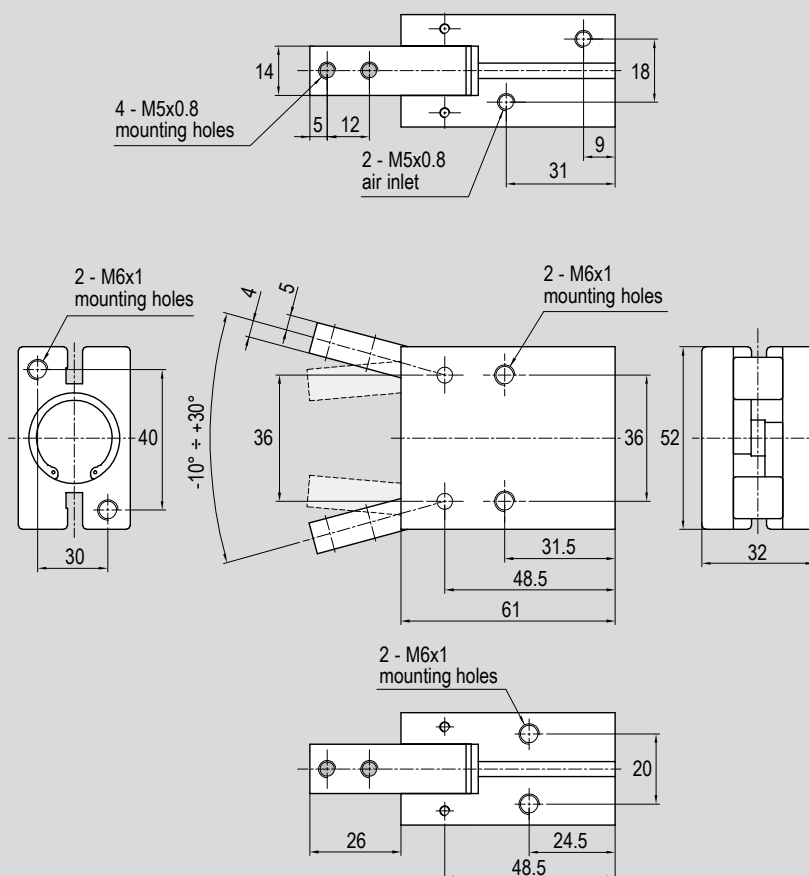
Type: **PAB**
Ø 16



Type: **PAB**
Ø 20



Type: **PAB**
Ø 25



Standard dimensions

Type: **PAB**
Ø 32

