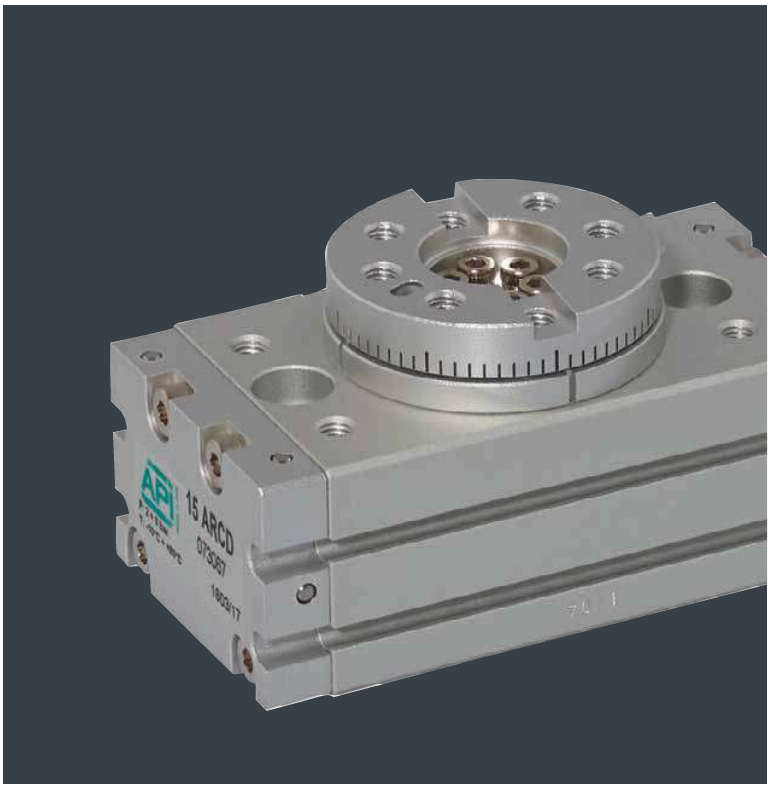
ROTARY
Actuators



Find out our
key products

- **Solution for most applications**
- **Easy and intuitive choice**
- **Excellent value for money**
- **Wide availability**
- **Fast delivery**

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Features and certifications

Series of rotary actuators, available in bores from Ø 10 to 63, double acting, magnetic.
Supplied as standard in compliance with Reach and RoHS directives.

RoHS

REACH compliant

Type ARC Ø 10 ÷ 63

from page 1.52.20



Rotary actuators with double rack, with rotation angles 90°÷180° and adjustment 0°÷190°. Double acting, magnetic, with grooves on the body allowing the direct mounting of magnetic reed switches. Equipped as standard with mechanical stoppers, on request these can be supplied with hydraulic shock absorbers.



Type ARP Ø 15 ÷ 32

from page 1.52.50



Rotary actuators with piston and external mechanical stoppers. Rotation angles 90°and 180°. Double acting, magnetic, with grooves on the body allowing the direct mounting of magnetic reed switches. Equipped as standard with mechanical stoppers, on request these can be supplied with hydraulic shock absorbers.



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Options

Description	Symbol	Suffix
Shock absorbers (from Ø 15)		**D**

The options, when this is possible, can be combined with each other. For options matching and code key, see the tables below.

Options matching

Series	Bore	Model	Standard options matching
			D (Ø15÷63)
ARC	Ø 10 ÷ 63	Standard	●
ARP	Ø 15 ÷ 32	Standard	●

Key
● allowed matching; - not allowed matching

Code key

Bore	/	Angle of rotation*	Type	Options
20	**/**	**90°**	**ARP**	**D**
Ø 10, 12, 15, 18, 20, 25, 28, 32, 40, 50, 63		90° - 180°	ARC Double acting magnetic ARP Double acting magnetic	D

How to order

Bore		Angle	Type	Options
20	**/**	**90°**	**ARP**	**D**

Notes

*Only for type ARP

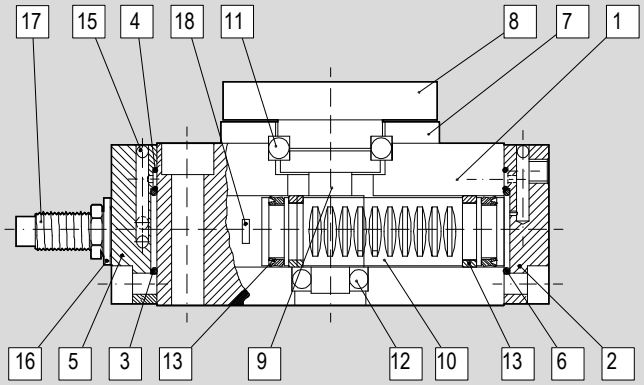
For further information on options and their matching, see tables above.

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Standard materials

Type: **ARC**

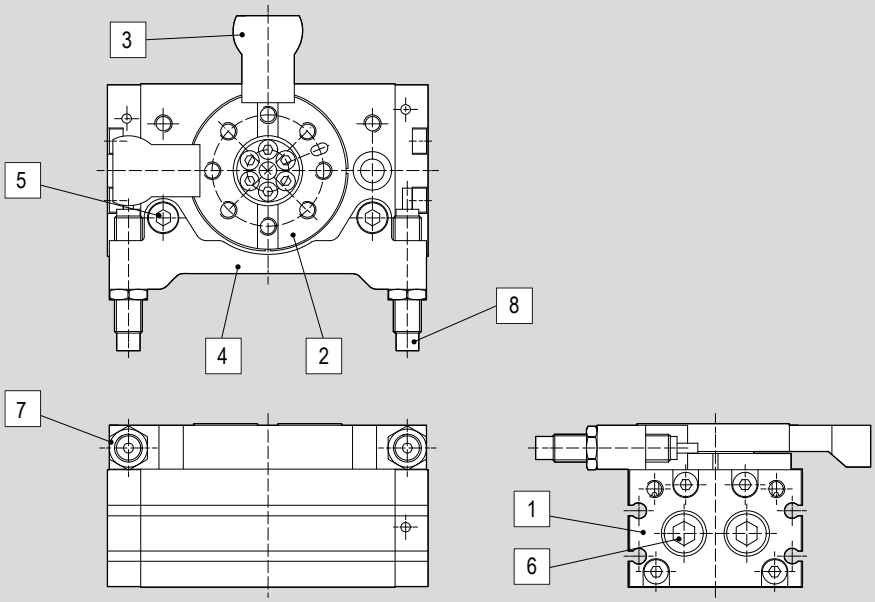


Position	Description	Materials
1	Body	Anodised aluminium
2	Front head	Anodised aluminium
3	O-ring	NBR
4	O-ring	NBR
5	Rear head	Anodised aluminium
6	O-ring	NBR
7	Bearing covers	Anodised aluminium
8	Rotating plate	Anodised aluminium
9	Rod	Hardened steel
10	Rack	Stainless Steel
11	Spherical bearing	Steel
12	Spherical bearing	Steel
13	Piston seal	NBR
14	Guide ring	Plastic material
15	Ball	Steel alloy
16	Stopper seal	NBR
17	Mechanical stopper	Steel alloy
18	Magnet	Magnetic metal

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Standard materials

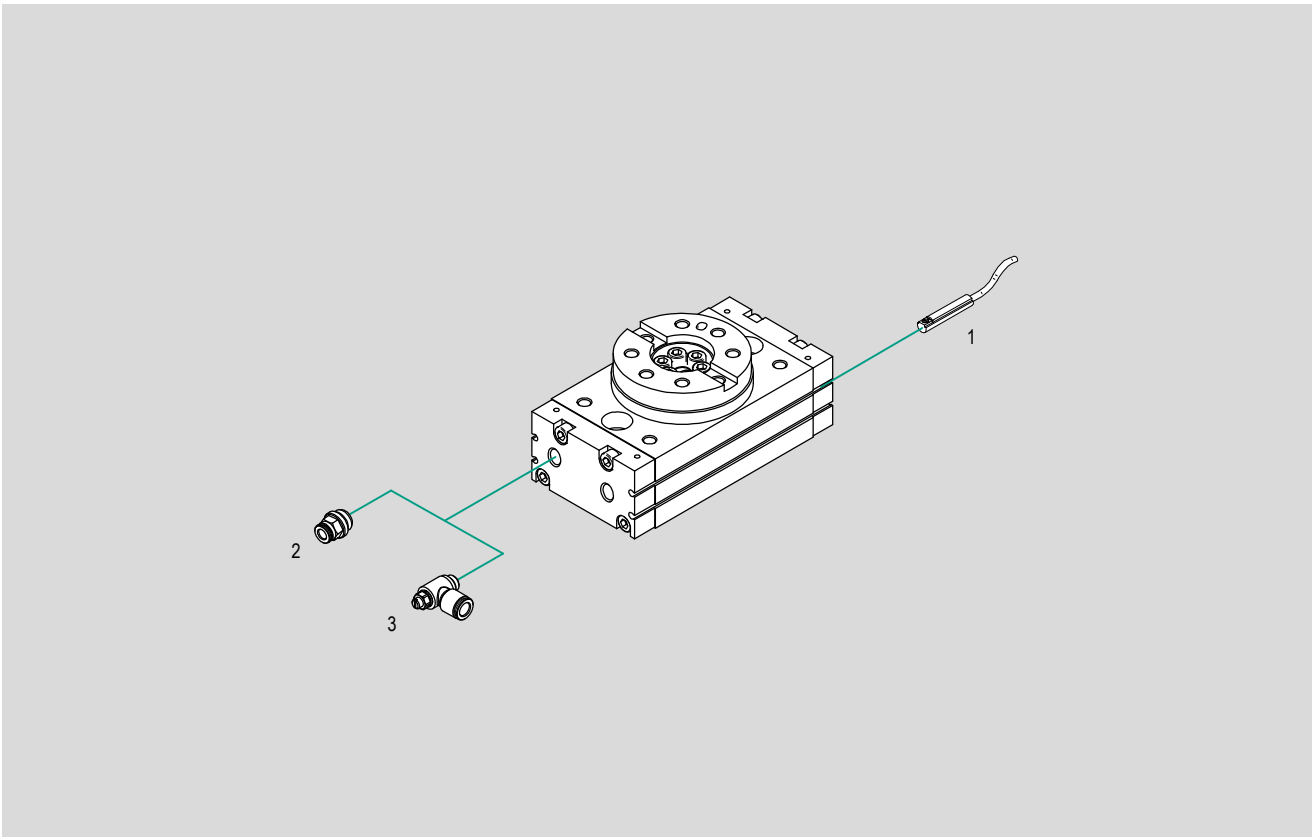
Type: **ARP**



Position	Description	Materials
1	Heads	Anodised aluminium
2	Rotary plate	Anodised aluminium
3	Spacer	Steel
4	Base	Anodised aluminium
5	Hexagonal nut	Anodised aluminium
6	Head nut	Steel
7	Hexagonal nut	Steel
8	Shock absorber	See page 1.105.4

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Accessories



N.	Cylinder bore	Item	Description	Compliance	Matching		Code page	Data sheet page
					ARC	ARP		
1	Ø 10 ÷ 63	ASC..	Magnetic reed switch C groove	-	●	●	1.52.90	1.110.30
2	Ø 10 ÷ 63	R..	Push-in fittings	-	●	●	4.2.1	
3	Ø 10 ÷ 63	V..C	Flow controls, for cylinders	-	●	●	4.94.1	

Key
● allowed matching; – not allowed matching

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Rotary Actuators
Series ARC

Main features

10 ÷ 63
Bores Ø


Double acting
Magnetic

ARC
Type



Technical data

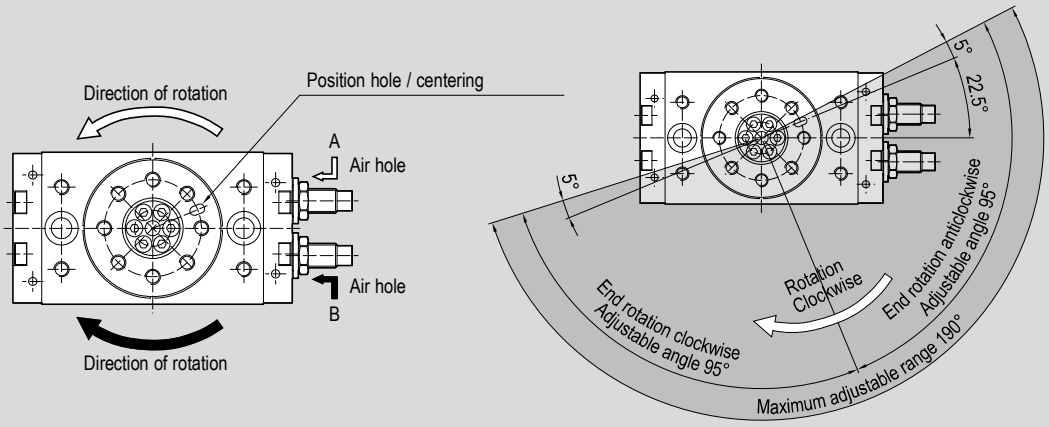
Bore Ø mm	10	12	15	18	20	25	28	32	40	50	63
Code	075581	075582	073063	073064	073065	073066	075583	075584	075585	075586	075587
Fluid	Filtered compressed air with or without lubrication. Lubrication, if started, must be continued.										
Pressure range	1,5 ÷ 7 bar										
Temperature range	0°C ÷ +50°C										
Angle of rotation	180°										
Adjustable angle	0° ÷ 190°										
Rotary momentum (Nm) at 6 bar	0,3	0,6	1,5	2,2	3,2	5,5	7,5	9,8	19	31	45
Maximum Absorbing Capacity* (Nm)	-		3	6		20	59		147		
Ports	M3	M5			1/8"						
Weight (g)	150	250	530	990	1.290	2.100	2.890	4.100	7.650	8.960	11.170

*Of shock absorber

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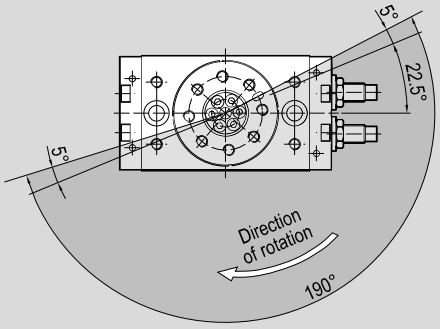
Direction and rotation angle

Type: **ARC**

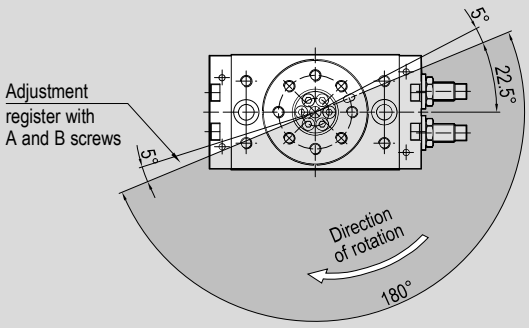


Rotation angles

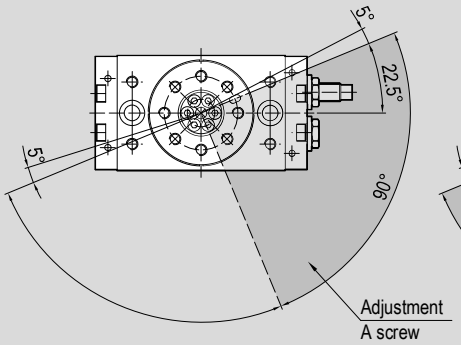
Type: **ARC**



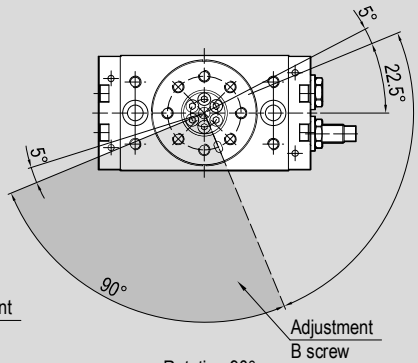
Rotation 190° (Max.)



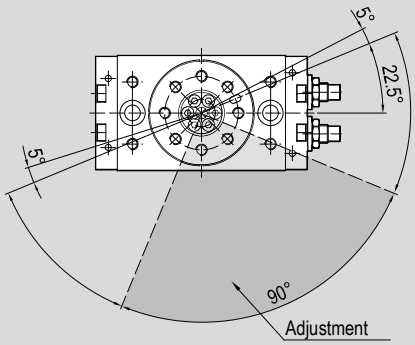
Rotation 180°



Rotation 90°



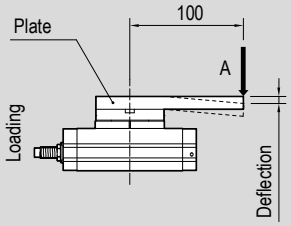
Rotation 90°

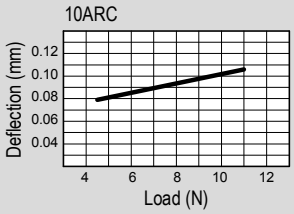


Rotation 90°

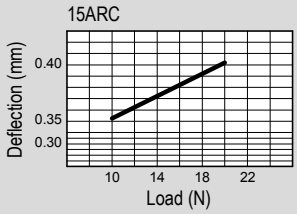
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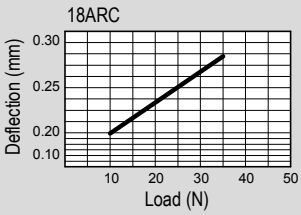
Output torque table

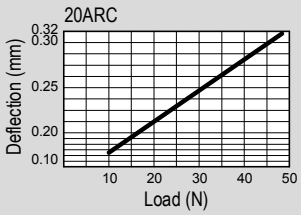


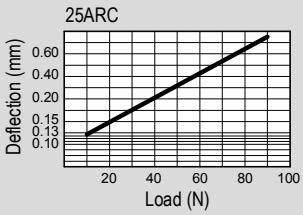


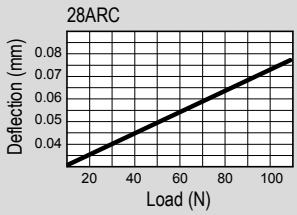


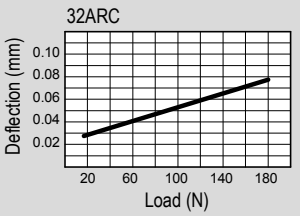


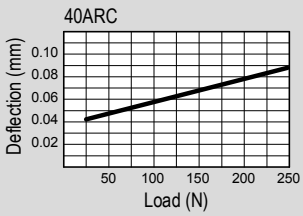


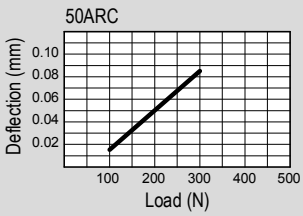


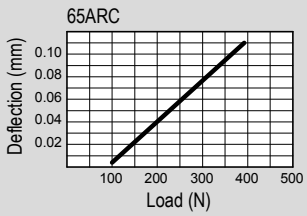




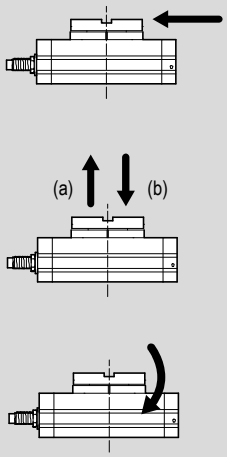








Possible loads

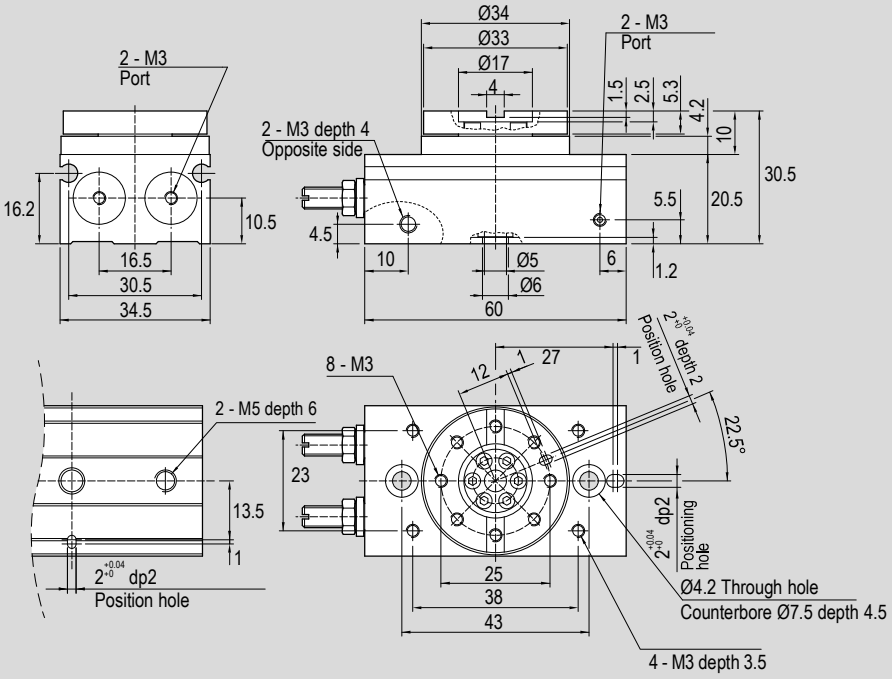


Type of loads		Actuator bore Ø										
		10	12	15	18	20	25	28	32	40	50	63
Side (N)		33	54	70	140	185	300	333	390	543	850	1200
Top (N)	(a)	48	71	78	130	188	285	296	493	740	950	1400
	(b)	48	71	74	130	358	442	476	706	1009	1500	2100
Torque momentum (Nm)		1,1	1,5	2	3,5	4,8	9	12	18	25	30	38

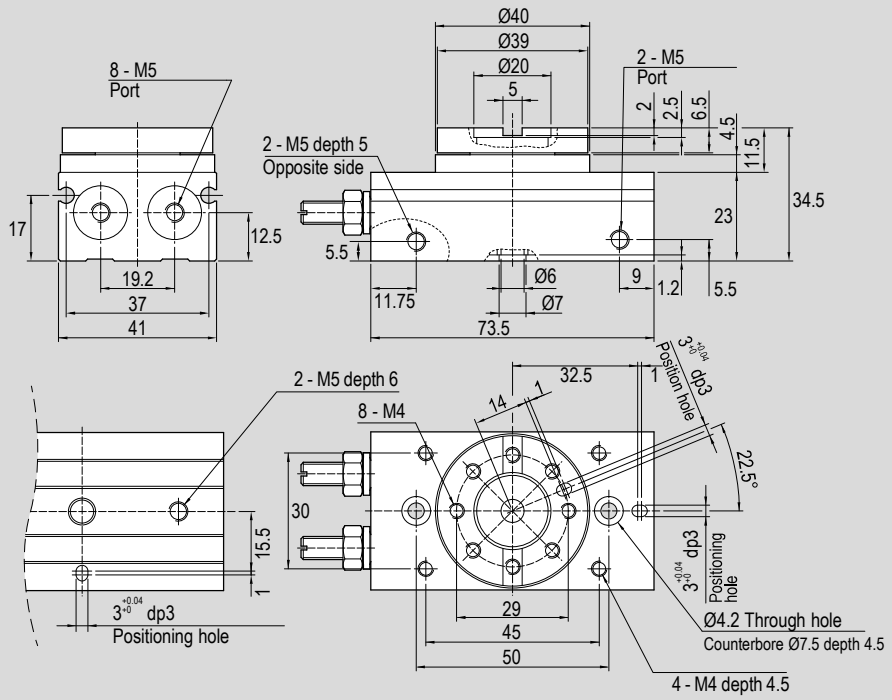
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Standard dimensions

Type: **ARC**
Ø 10



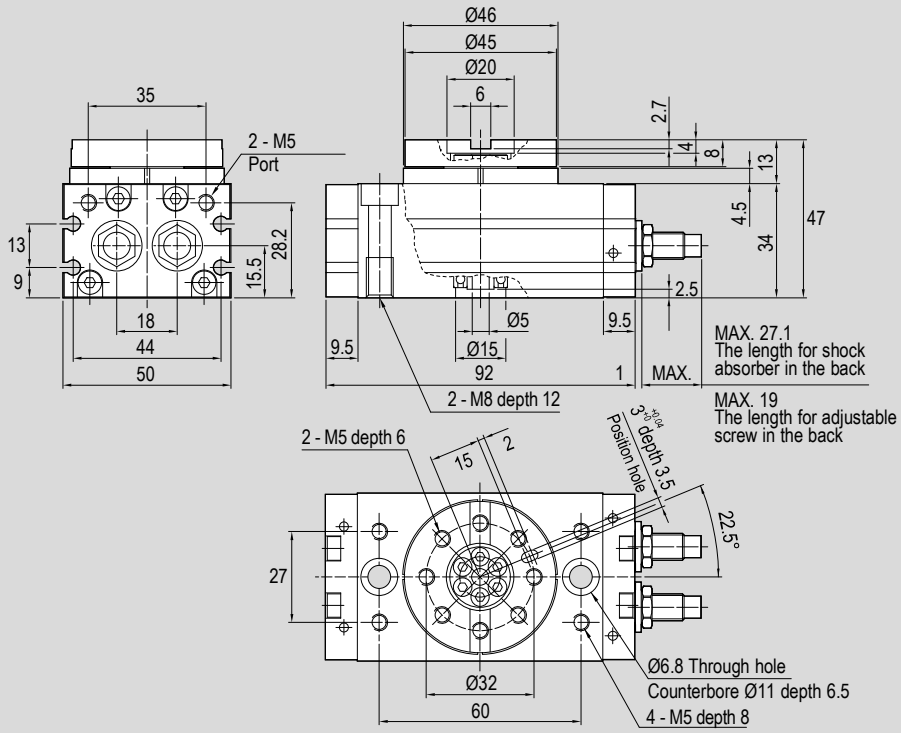
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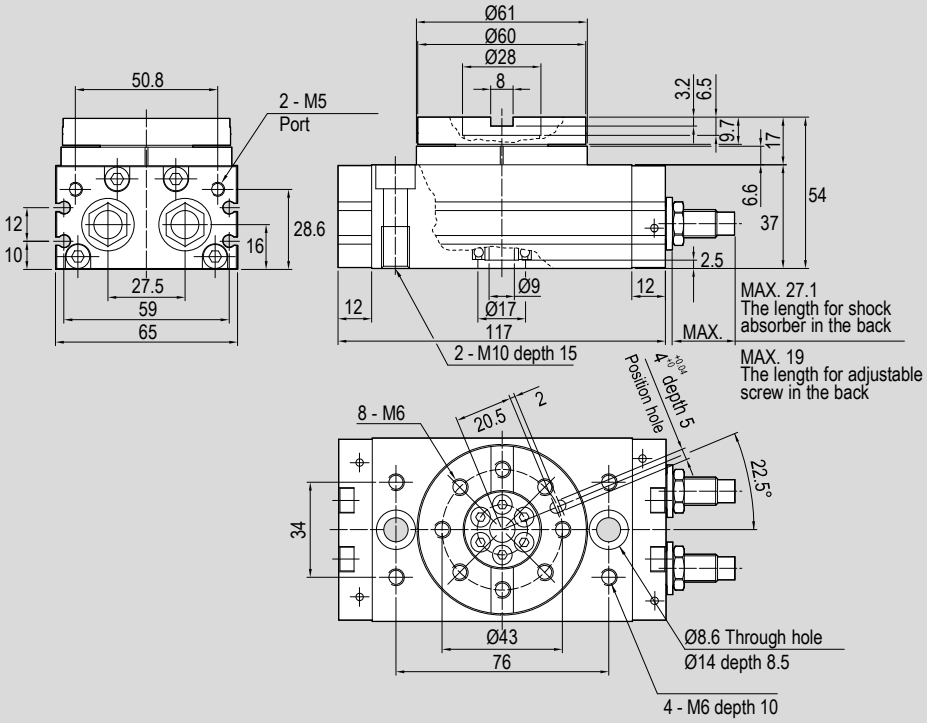
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Standard dimensions

Type: **ARC**
Ø 15



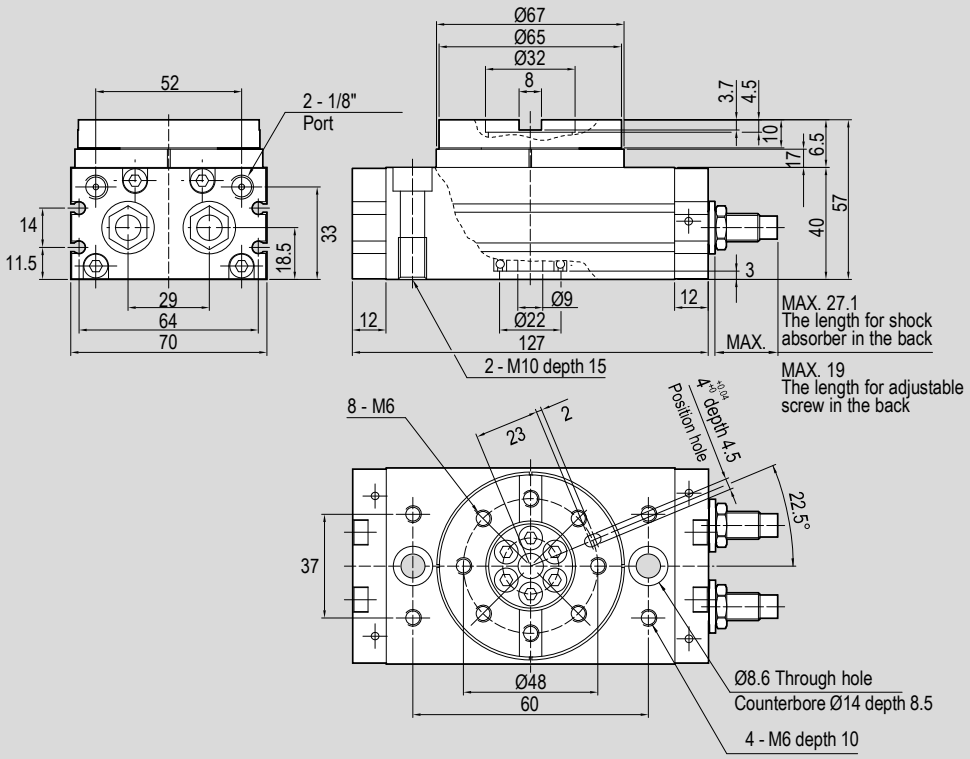
Type: **ARC**
Ø 18



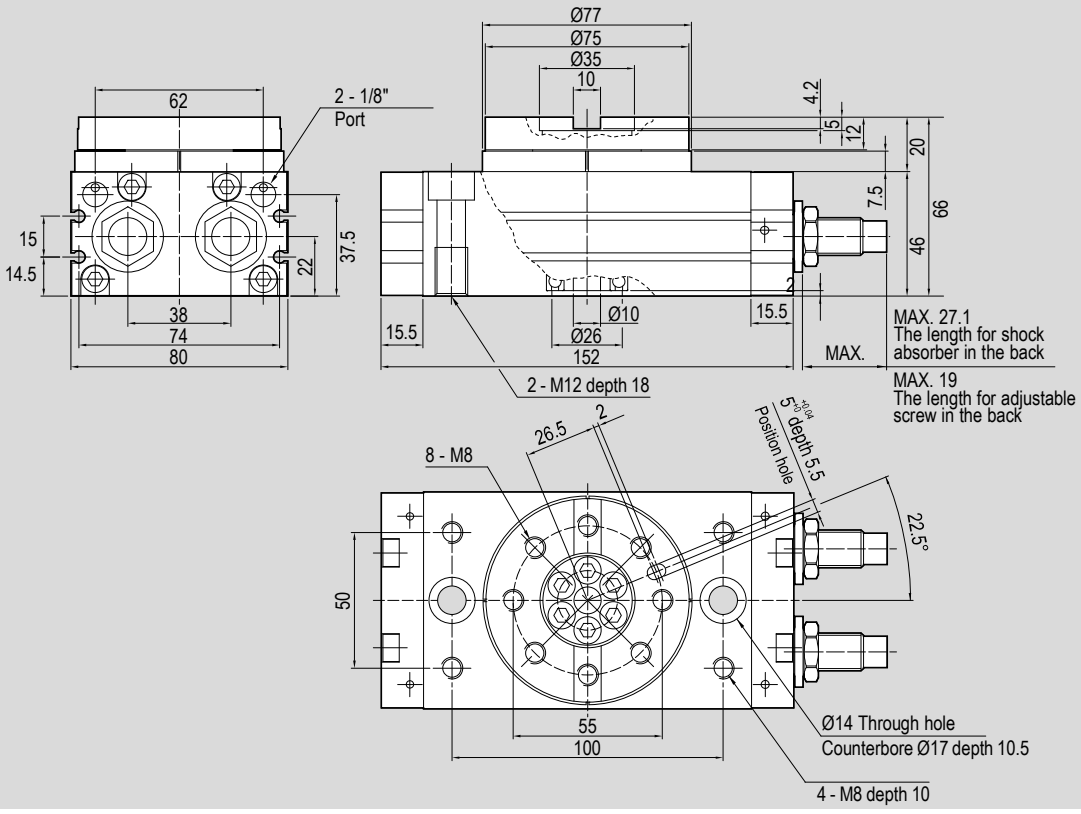
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Standard dimensions

Type: **ARC**
Ø 20



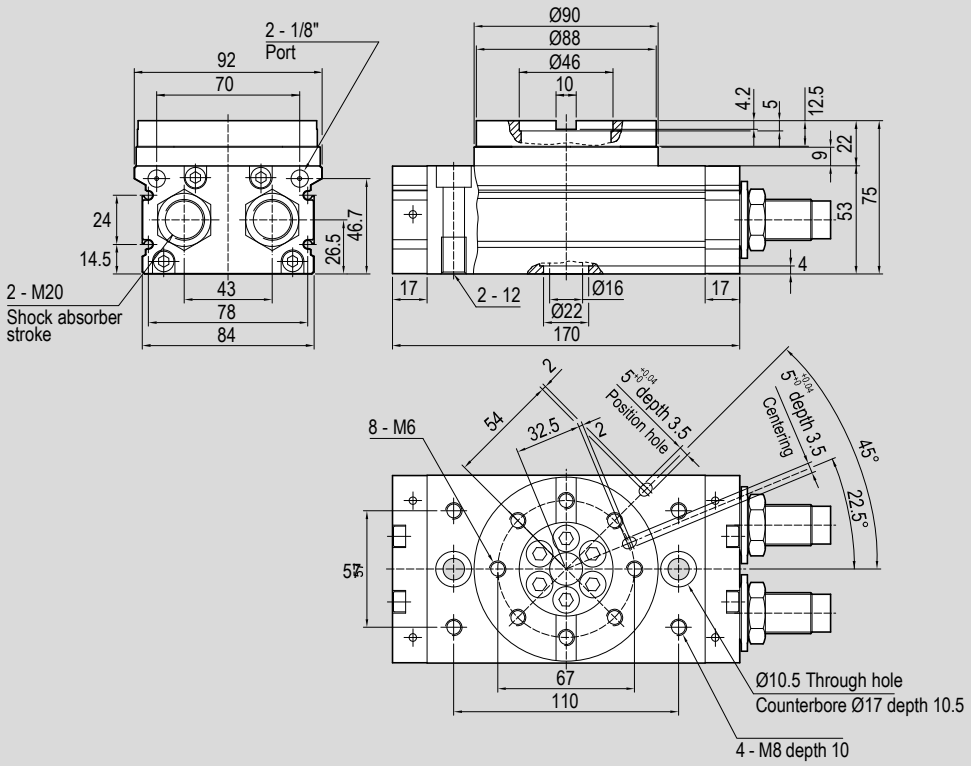
Type: **ARC**
Ø 25



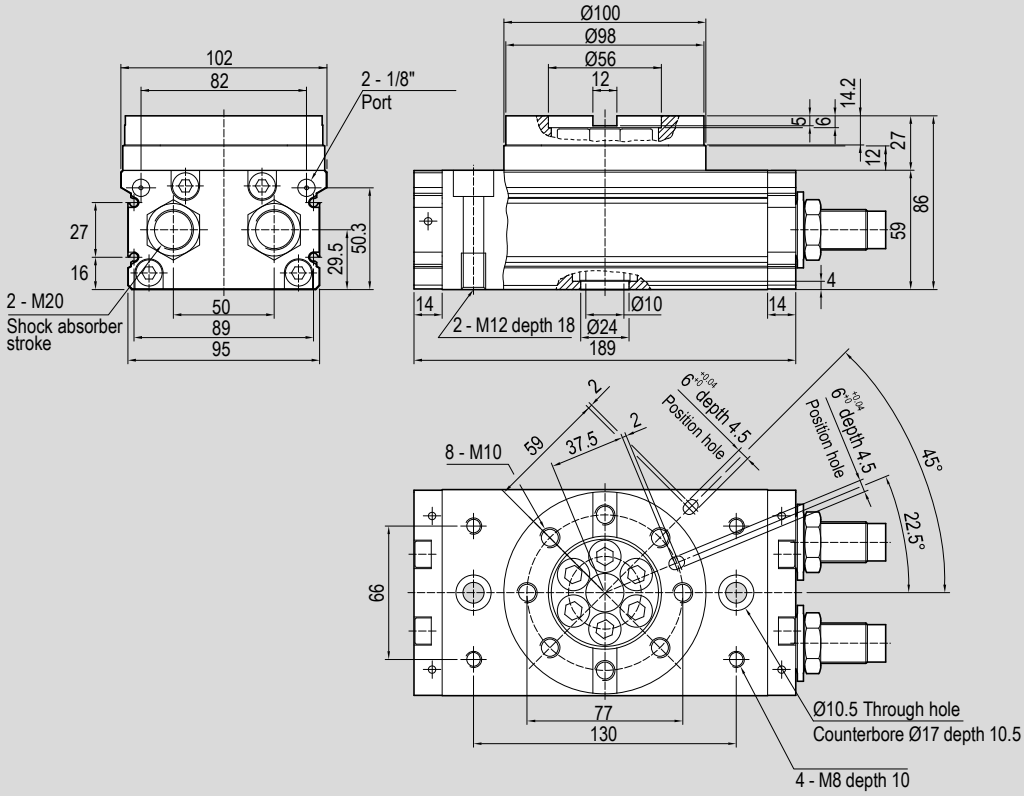
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Standard dimensions

Type: **ARC**
Ø 28



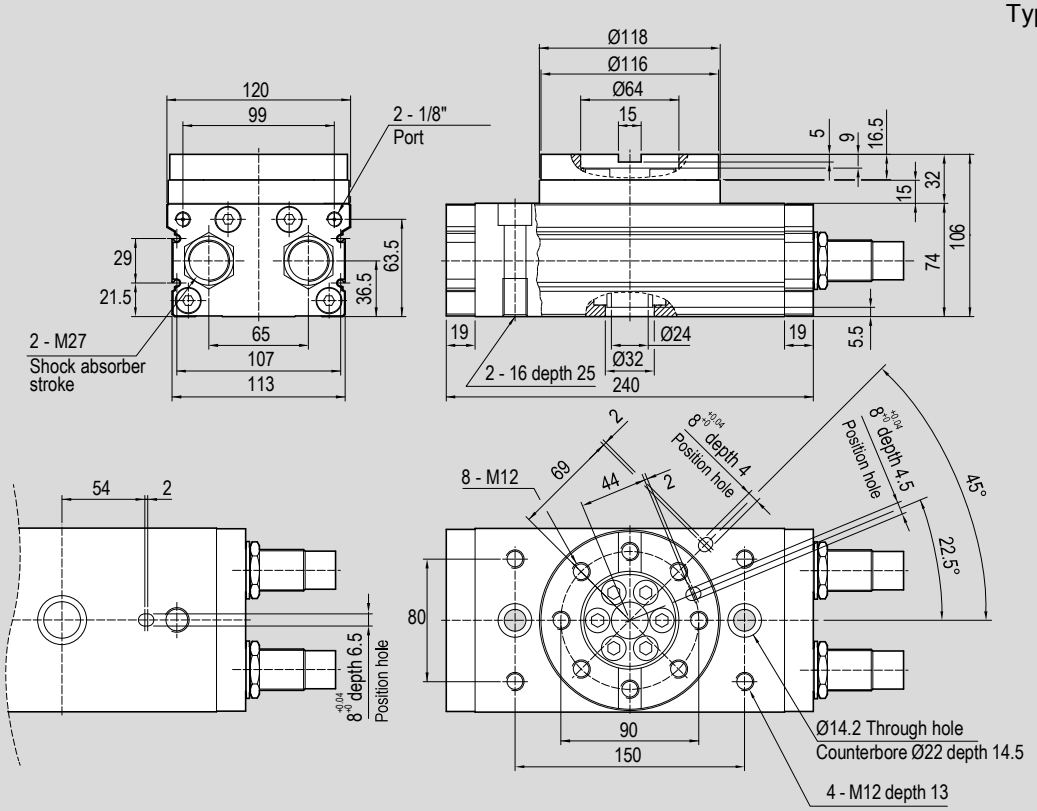
Type: **ARC**
Ø 32



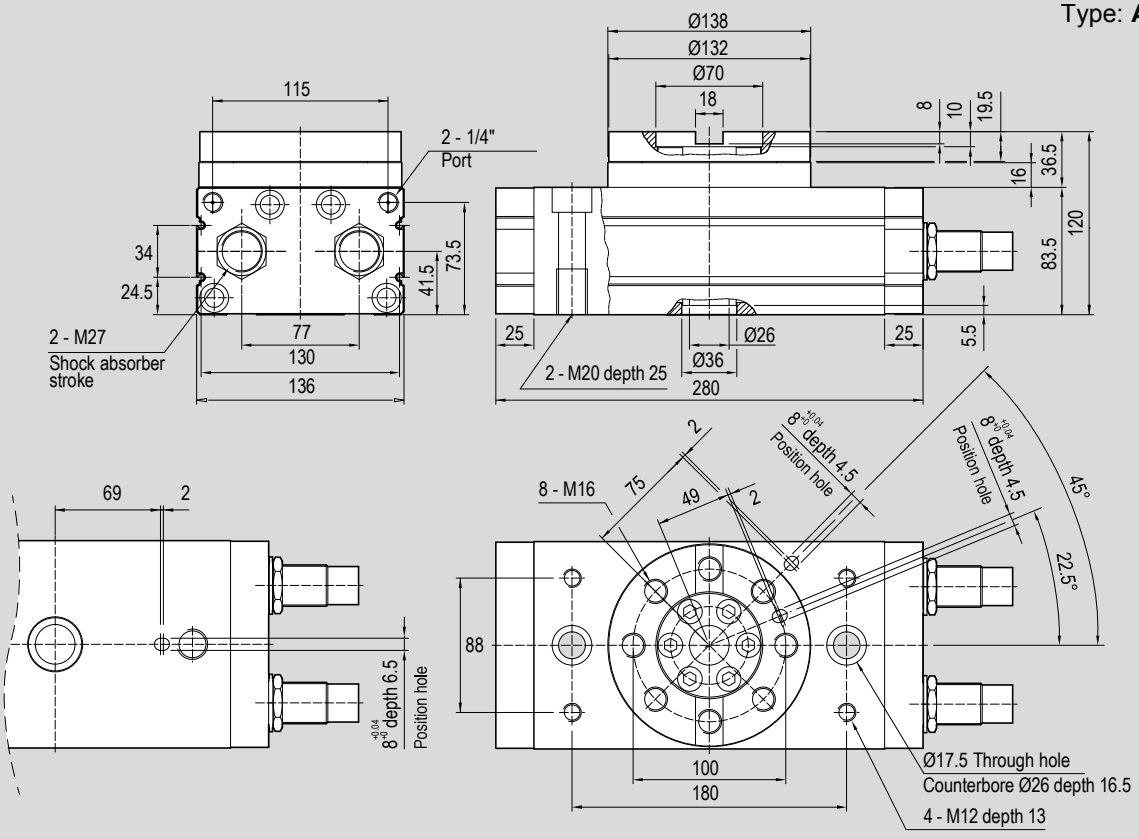
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Standard dimensions

Type: **ARC**
Ø 40



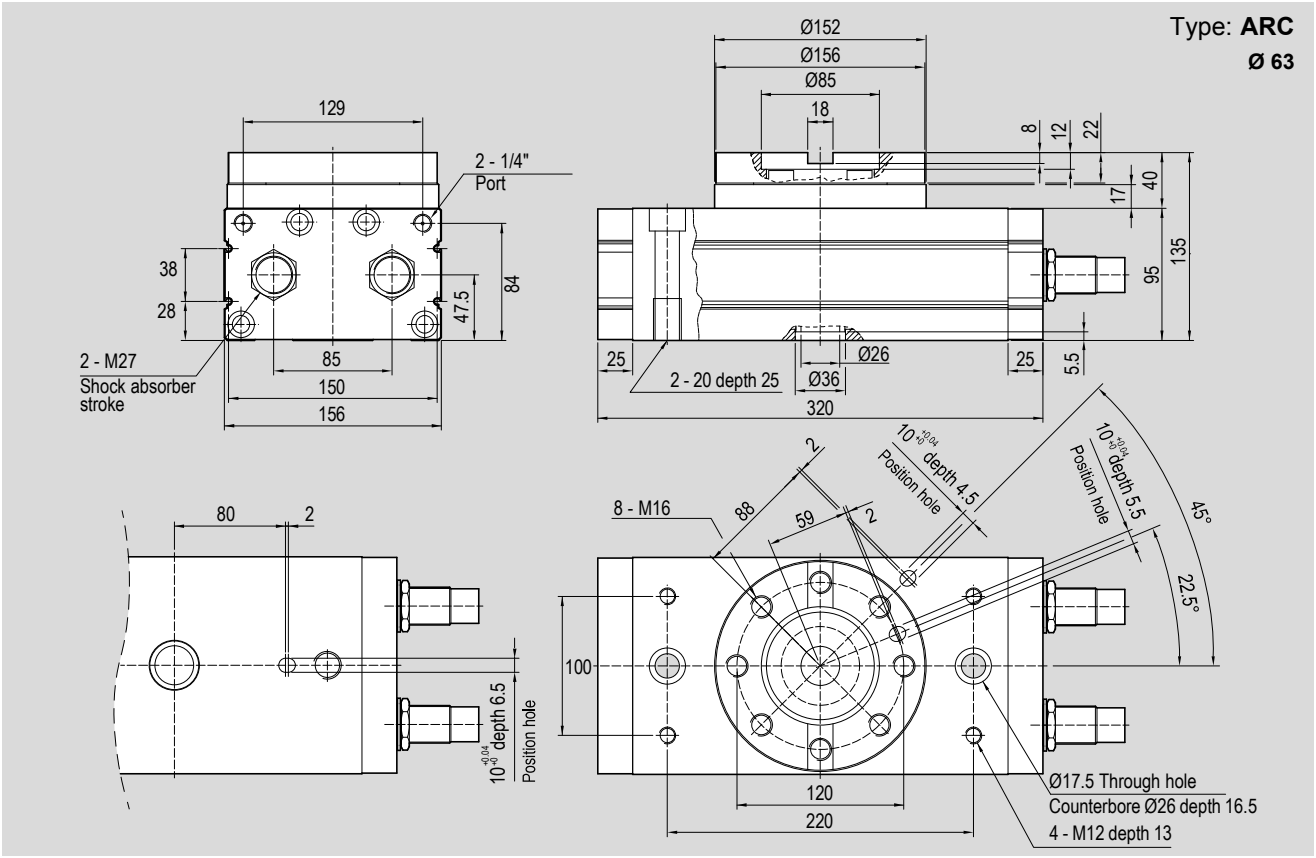
Type: **ARC**
Ø 50



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Standard dimensions

Type: **ARC**
Ø 63



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Rotary Actuators
Series ARP

Main features

15 ÷ 32
Bores Ø


Double acting
Magnetic

ARP
Type



Technical data

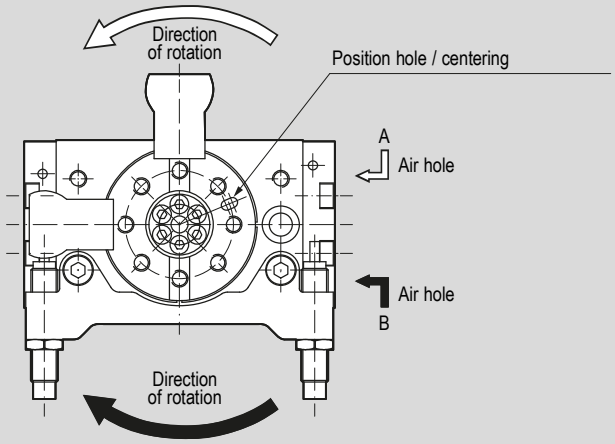
Bore Ø mm	15		18		20		25		28		32	
Code	073071	073079	073072	073080	073073	073081	073074	073082	075588	075590	075589	075591
Fluid	Filtered compressed air with or without lubrication. Lubrication, if started, must be continued.											
Pressure range	1,5 ÷ 7 bar											
Temperature range	0°C ÷ +50°C											
Angle of rotation	90°	180°	90°	180°	90°	180°	90°	180°	90°	180°	90°	180°
Adjustable angle	10°											
Rotary momentum (Nm) at 6 bar	1,5		2,2		3,2		5,5		7,5		9,8	
Maximum Absorbing Capacity* (Nm)	3		6				20				59	
Ports	M5				1/8"							
Weight (g)	630	600	1200	1140	1520	1450	2480	2370	3390	3210	4700	4500

*Of hydraulic shock absorber

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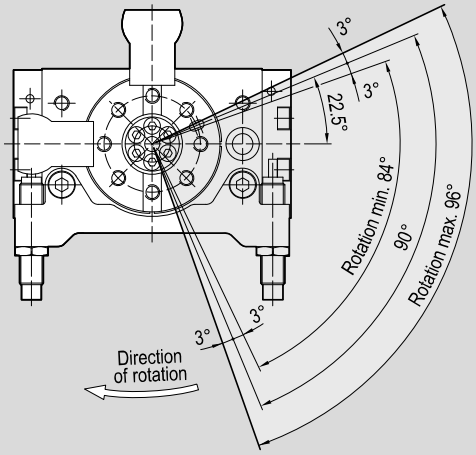
Direction and rotation angle

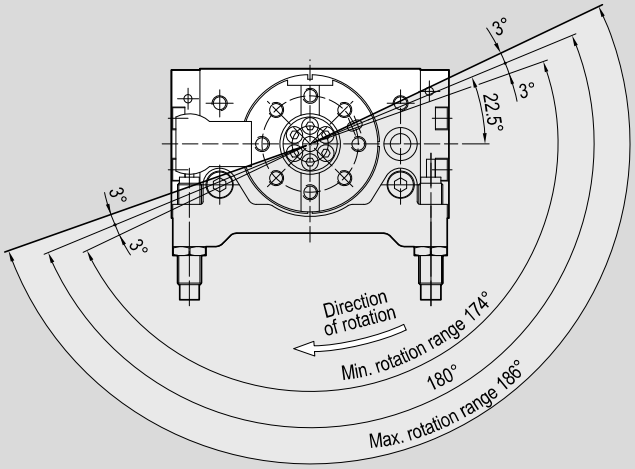
Type: **ARP**



Rotation angles

Type: **ARP**



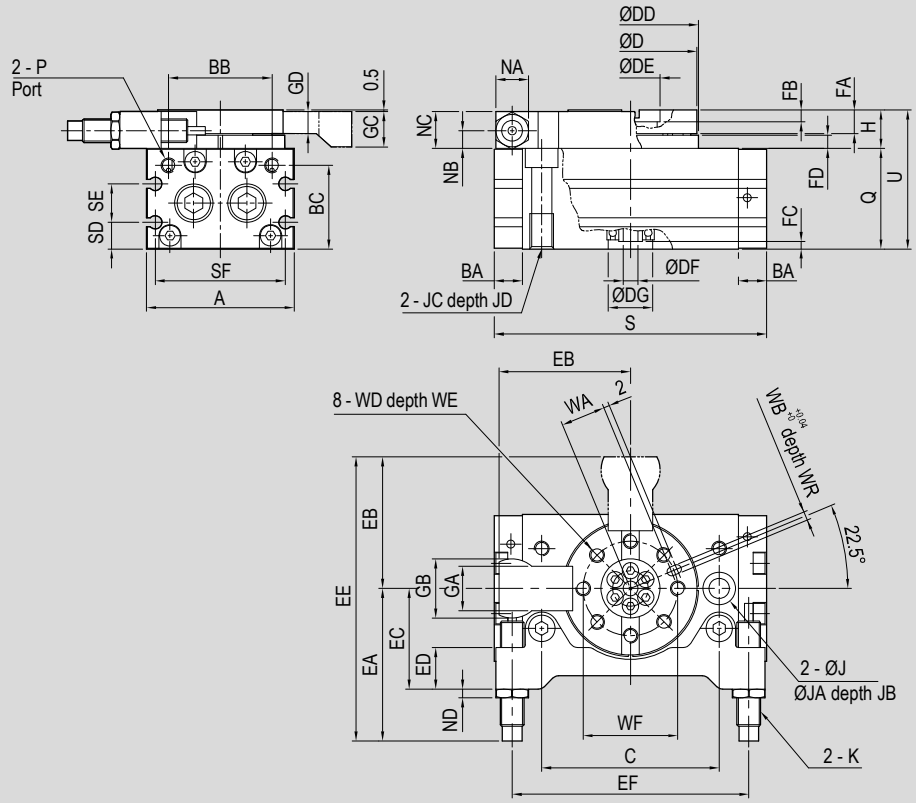


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Standard dimensions

Type: **ARP**



Ø (mm)	A	BA	BB	BC	C	D	DD	DE	DF	DG	EA	EB	EC	ED	EE	EF	FA	FB	FC	FD	GA	GB	GC	GD	H
15	50	9,5	35	28,2	60	45	46	20	5	15	51,6	44,5	34	14	96,1	80	8	4	2,5	4,5	15	20	12	7,5	13
18	65	12	50,8	28,6	76	60	61	28	9	17	56	57	43	18	113	101	9,7	6,5	2,5	6,6	19	25	15	9,2	17
20	70	12	52	33	84	65	67	32	9	22	59	62	46	18	121	110	10	4,5	3	6,5	20	28	16	9,5	17
25	80	15,5	62	37,5	100	75	77	35	10	26	85	73	55	20	158	131	12	5	2	7,5	25	35	18	11,5	20
28	92	17	70	46,7	110	88	90	46	16	22	86	81	55,5	35	167	141	12,5	5	4	9	28	38	19,5	11,5	22
32	102	14	82	50,3	130	98	100	56	19	24	94	92,5	60	35	186,5	163	14,5	6	4	12	33	42	24,5	13,5	27

Ø (mm)	J	JA	JB	JC	JD	K	NA	NB	NC	ND	P	Q	S	SD	SE	SF	U	WA	WB	WR	WD	WE	WF
15	6,8	11	6,5	M8x1,25	12	M8x1	11	6	12,5	3	M5x0,8	34	92	9	13	44	47	15	3	3,5	M5x0,8	8	32
18	8,6	14	8,5	M10x1,5	15	M10x1	12,7	7,5	16,5	3	M5x0,8	37	117	10	12	59	54	20,5	4	5	M6x1	10	43
20	8,6	14	8,5	M10x1,5	15	M10x1	12,7	8,5	16,5	3	RC 1/8	40	127	11,5	14	64	57	23	4	4,5	M6x1	10	48
25	10,5	17	10,5	M12x1,75	18	M14x1,5	19	8,5	19,5	5	RC 1/8	46	152	14,5	15	74	66	26,5	5	5,5	M8x1,25	12	55
28	10,5	17	10,5	M12x1,75	18	M14x1,5	19	10	21,5	5	RC 1/8	53	170	14,5	24	78	75	32,5	5	5,5	M8x1,25	12,5	67
32	10,5	17	10,5	M12x1,75	18	M20x1,5	26	11,5	26	7	RC 1/8	59	189	16	27	89	86	37,5	6	6,5	M10x1,5	14,5	77

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Accessories for rotary actuators

Magnetic reed switch C groove ASC..



For cylinder Ø mm	Code	Item	Cylinder matching
10 ÷ 63	070248	ASC1C525	ARC ARP
	070249	ASC7N2M8	
	070382	ASC7M2M8	

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