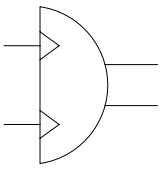
Standard executions		
Version	Symbol	Type
Male pivot gear		CRTH
Double male pivot gear		CRTHD
Female pivot gear		CRTF

New

Rotary cylinders with rack / pinion, magnetic as standard.
The standard cylinders are provided with adjustable cushionings at both ends. One or more magnetic reed switches can be applied.

For the magnetic reed switches type ASV see from page 1.110.1.

How to order: 63 / 90° CRTH

63	/	90°	CRTH	
Bores	/	Angles of rotation	Type	Option

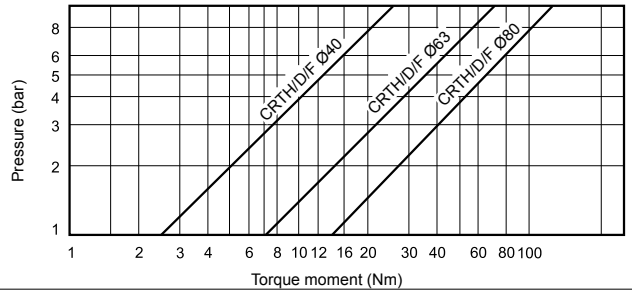
Options	Suffix
Special versions on request	/ S

Technical data					
Bores (mm)			40	63	80
Fluid			Compressed filtered air with or without lubrication. Lubrication, if be used, must be continous		
Angle of rotation			90° - 180°		
Adjustable angle			± 5°		
Rotaring shaft diameter			16	24	28
Pressure range			1.3 ÷ 7 bar		
Max allowable axial trust (max)			10	12	20
Cushion angle			74°	75°	80°
Temperature range			-10 °C ÷ + 60°C		
Weight (g)	CRTH	90°	3000	5400	9750
		180°	3100	5800	10300
	CRTHD	90°	3050	5550	9990
		180°	3150	5950	10540
	CRTF	90°	2840	5070	9990
		180°	2940	5470	9740

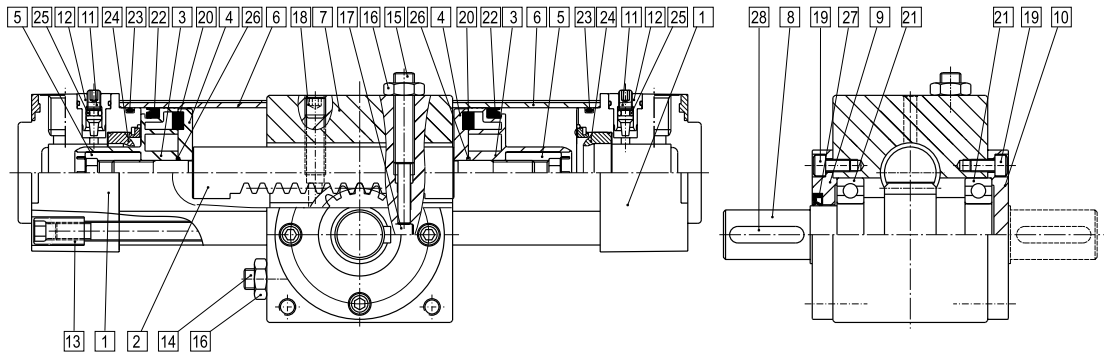
Air consumption for a complete cycle (litres/cycle)

Size	Rotation	Operating pressure (bar)									
		1	2	3	4	5	6	7	8	9	10
40	90°	0,1571	0,2352	0,3133	0,3915	0,4696	0,5477	0,6259	0,7040	0,7821	0,8603
	180°	0,3141	0,4704	0,6267	0,7829	0,9392	1,0955	1,2517	1,4080	1,5643	1,7205
63	90°	0,4383	0,6564	0,8744	1,0925	1,3105	1,5286	1,7466	1,9647	2,1828	2,4008
	180°	0,8766	1,3127	1,7488	2,1850	2,6211	3,0572	3,4933	3,9294	4,3655	4,8016
80	90°	0,8480	1,2698	1,6917	2,1135	2,5354	2,9572	3,3791	3,8009	4,2228	4,6447
	180°	1,6959	2,5396	3,3834	4,2271	5,0708	5,9145	6,7582	7,6019	8,4456	9,2893

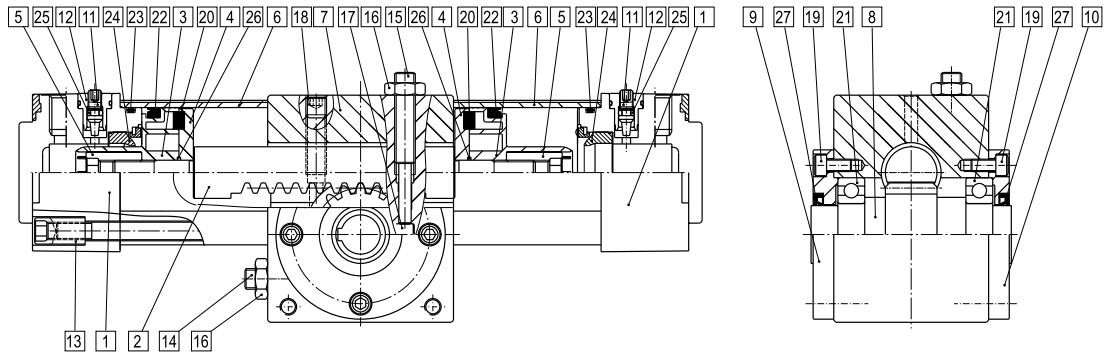
Output torque table



Type: **CRTH - CRTHD**

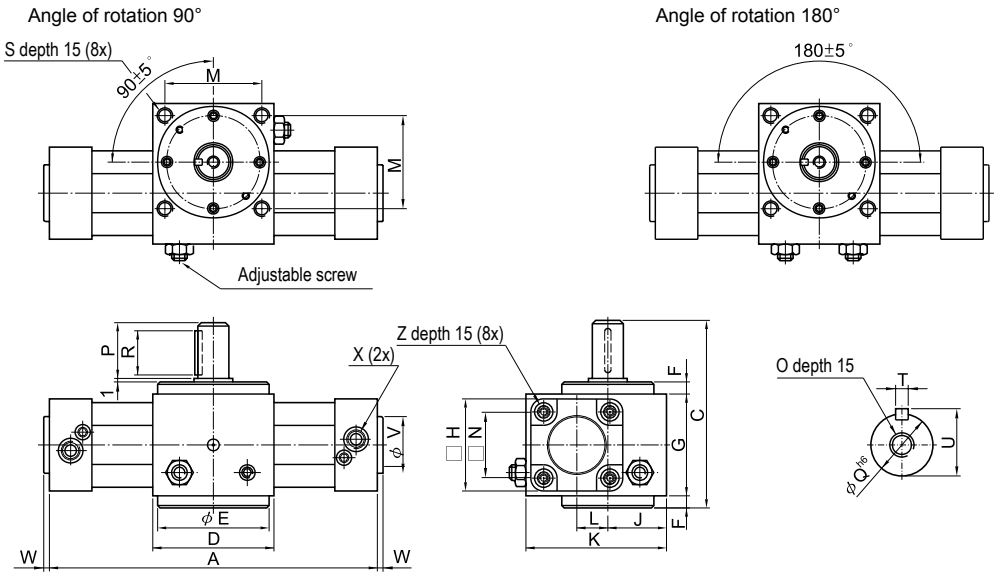


Type: **CRTF**



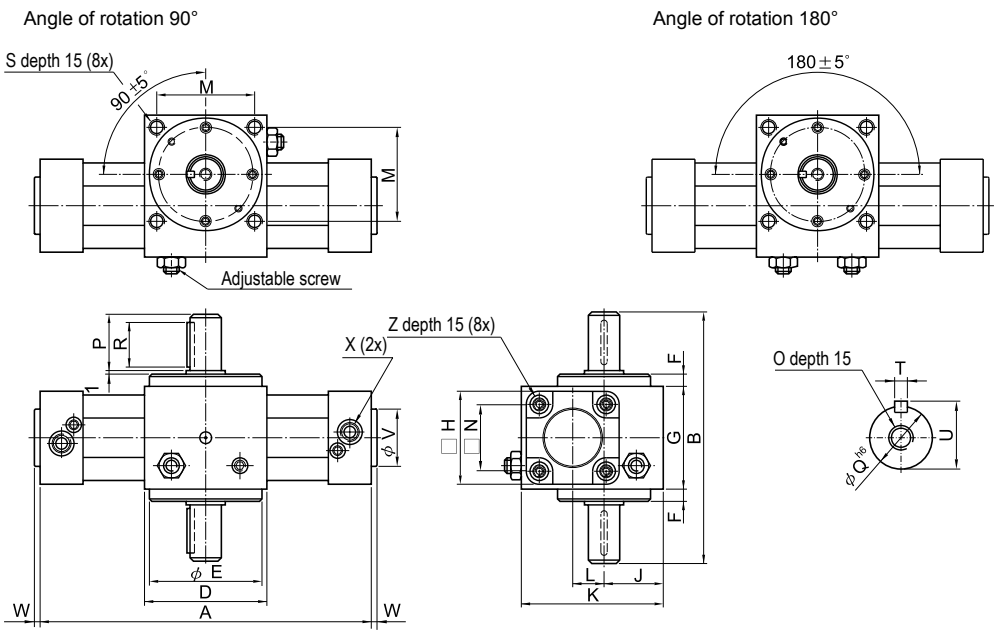
Materials (standard types)			
1 End cap	Hard anodised aluminium alloy	15 Adjusting screw	Carbon steel blackening
2 Rack	Carbon steel	16 Lock nut	Carbon steel
3 Piston	POM	17 Stopper pin	Carbon steel
4 Magnet holder	Hard anodised aluminium alloy	18 Set screw	Carbon steel blackening
5 Piston nut	Carbon steel	19 Screw	Carbon steel nickel plated
6 Cylinder tube	Hard anodised aluminium alloy	20 Magnet	Magnetic material
7 Housing	Hard anodised aluminium alloy	21 Ball bearing	Carbon steel
8 Pinion shaft	Carbon steel	22 Piston packing	NBR
9 End cover	Hard anodised aluminium alloy	23 Cylinder gasket	NBR
10 End cover	Hard anodised aluminium alloy	24 Cushion packing	NBR
11 Cushion needle	Stainless steel	25 O-ring	NBR
12 Cushion plug	Brass nickel plated	26 Piston gasket	NBR
13 Tie bolt	Carbon steel galvanized	27 Rod packing	NBR
14 Adjusting screw	Carbon steel blackening	28 Key	Carbon steel

Type: **CRTH**



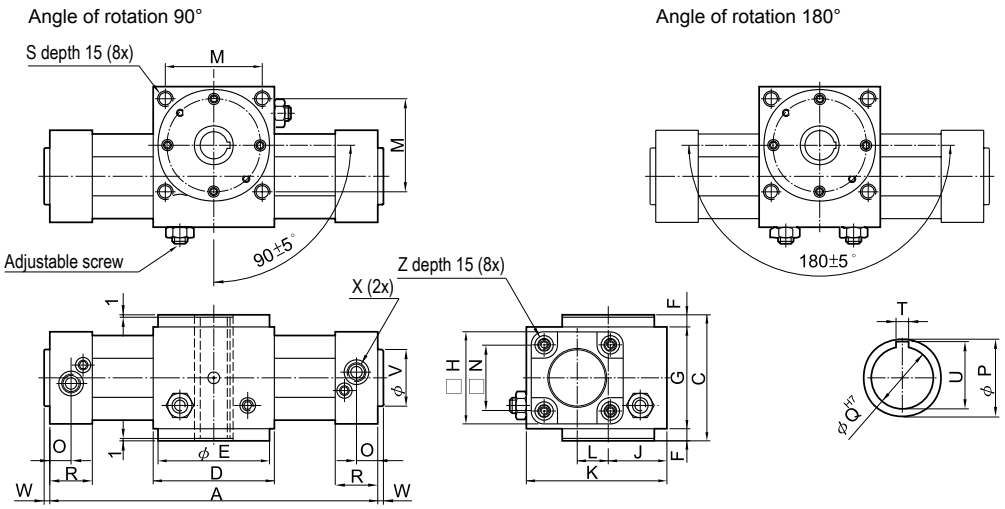
Size	A		C	D	E	F	G	H	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Z
	90°	180°																						
40	263	326	112	75	72	8	65	53	37,5	93	27,5	60	38	M5	30	16	25	M6	5	18	35	4	1/4"	M6
63	306	377	138	90	82	10	75	75	42,5	110	30	70	56,5	M8	42	24	36	M8	8	27	45	5	3/8"	M8
80	343	428	170	105	96	12	95	95	51,5	135	36	82	72	M8	50	28	45	M10	8	31	45	6	3/8"	M10

Type: **CRTHD**



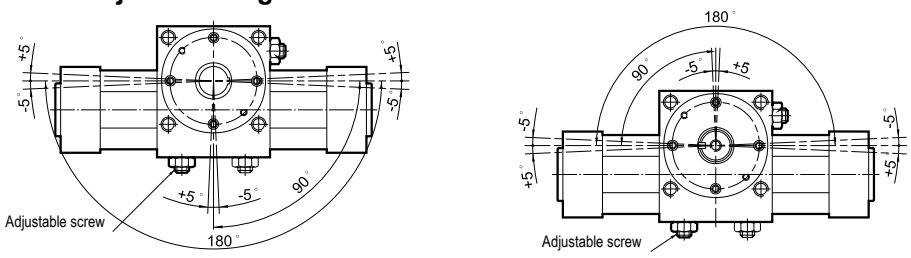
Size	A		B	D	E	F	G	H	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Z
	90°	180°																						
40	263	326	143	75	72	8	65	53	37,5	93	27,5	60	38	M5	30	16	25	M6	5	18	35	4	1/4"	M6
63	306	377	181	90	82	10	75	75	42,5	110	30	70	56,5	M8	42	24	36	M8	8	27	45	5	3/8"	M8
80	343	428	221	105	96	12	95	95	51,5	135	36	82	72	M8	50	28	45	M10	8	31	45	6	3/8"	M10

Type: **CRTF**



Size	A		C	D	E	F	G	H	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Z
	90°	180°																						
40	263	326	81	75	72	8	65	53	37,5	93	27,5	60	38	15	25	14	30	M6	5	16,5	35	4	1/4”	M6
63	306	377	95	90	82	10	75	75	42,5	110	30	70	56,5	16	30	19	32	M8	6	22	45	5	3/8”	M8
80	343	428	119	105	96	12	95	95	51,5	135	36	82	72	19	35	24	38	M10	6	27,5	45	6	3/8”	M10

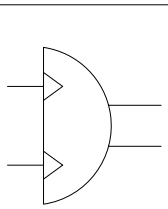
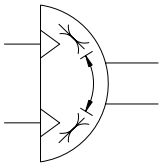
Rotating direction and adjustable angle



Hi-Rotary Cylinders

Bores: 4, 5, 6, 8, 10 mm

Double acting

Standard executions		
Version	Symbol	Type
Standard		ARTM
Flanged		ARTMF
Magnetic		ARTMC
Flanged magnetic		ARTMFC
Standard with adjustable angle		ARTML
Flanged with adjustable angle		ARTMFL
Magnetic with adjustable angle		ARTMLC
Flanged magnetic with adjustable angle		ARTMFLC

New

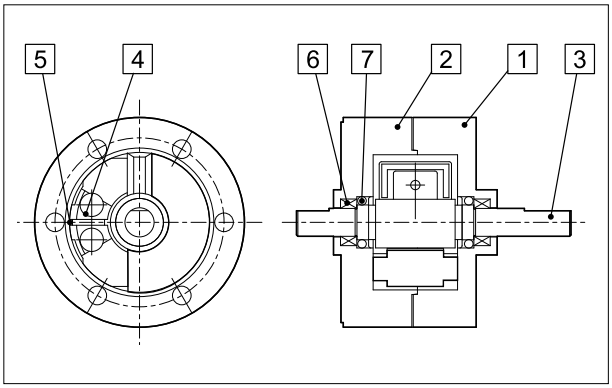
Series of Hi-rotor cylinders with fixed and adjustable rotation angles and reduced overall dimensions.
They are provided with elastic dampers to relieve the impacts of the vanes.

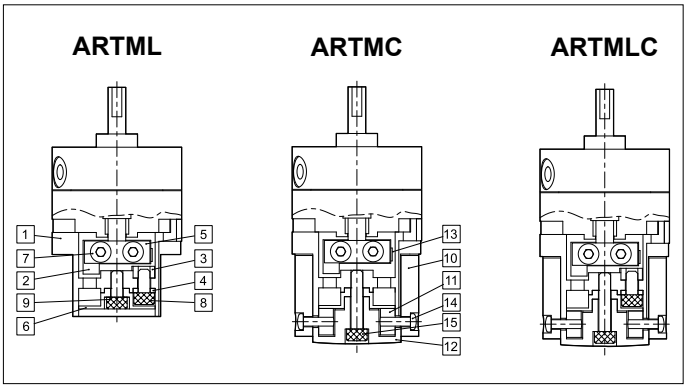
How to order: 20 / 90° ARTML

15	/	90°	ARTML
Size	/	Rotation	Type

Options	Suffix
Special versions on request	/ S

Techinical data						
Size		10	15	20	30	40
Bores		Ø 4	Ø 5	Ø 6	Ø 8	Ø 10
Fluid		Compressed filtered air with or without lubrication. Lubrication, if be used, must be continous				
Pressure range		1,5 ÷ 7 bar				
Temperature range		0° C ÷ + 50° C				
Rotation angle		90° - 180° - 270”				
Torque moment (Nm)		0,14	0,38	0,78	1,8	3,8
Ports		M5				
Weight (g)	ARTM	28	48	112	200	342
	ARTMF	41	70	138	268	438
	ARTMFC	78	116	240	390	604
	ARTMFLC	91	138	266	468	700

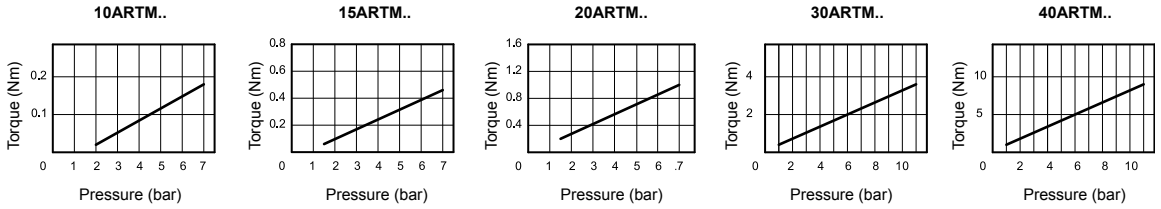




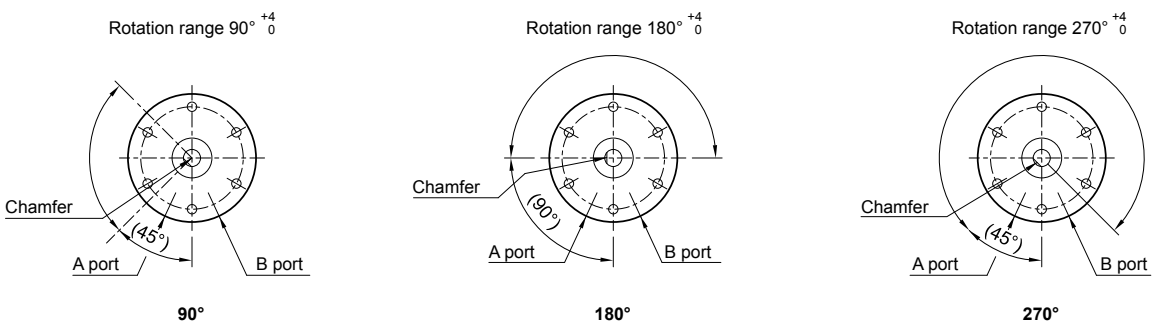
Materials (standard types)	
1 Front cover	Aluminium alloy
2 End cover	Aluminium alloy
3 Rod	Steel alloy
4 Stopper	Plastic - Steel
5 O-ring	Nitrilic rubber NBR
6 Bearing	Steel
7 O-ring	Nitrilic rubber NBR

Materials (standard types)	
1 Position base	Zinc alloy
2 Position lump	Stainless steel
3 Angle location lump	Steel
4 Angle location slice	Steel
5 Lump	Stainless steel
6 End cover	Aluminium
7 Screw	Steel alloy
8 Screw	Steel alloy
9 Screw	Steel alloy
10 Mounting base	Aluminium alloy
11 Base and lump	Aluminium alloy
12 End cover	Aluminium alloy
13 Magnet	TME
14 Screw	Lega di acciaio
15 Screw	Lega di acciaio

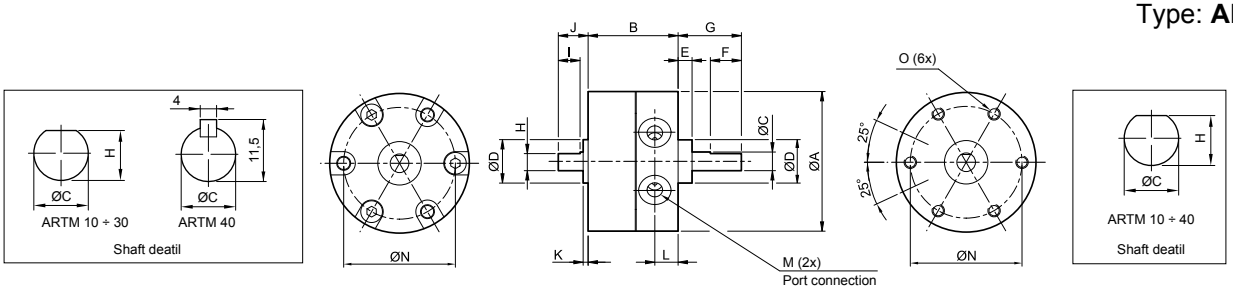
Output torque table



Rotation angle

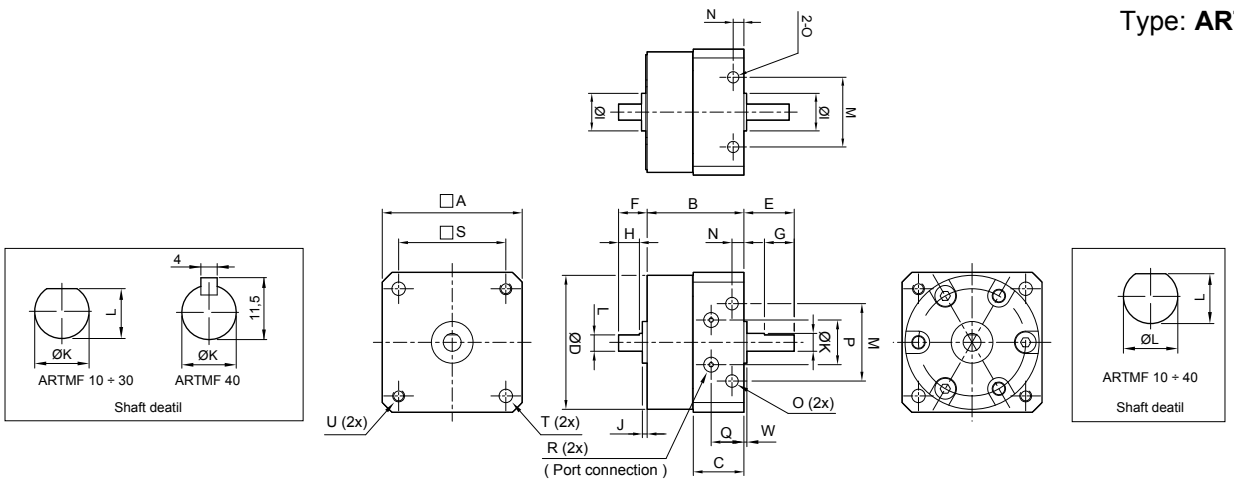


Type: **ARTM**



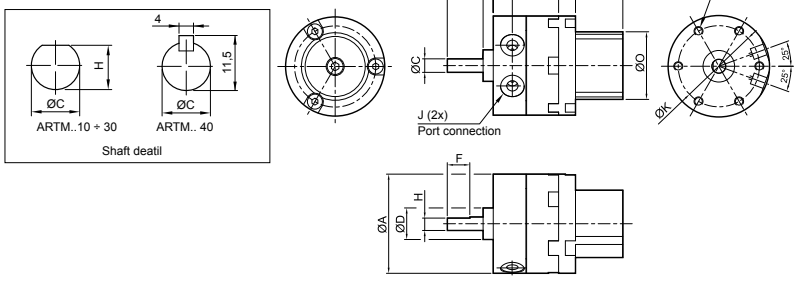
Item	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
10/90ARTM															
10/180ARTM	30	17	4	9	3	9	14	3,5	5	8	1	4,2	M5x0,8p	24	M3x0,5p
10/270ARTM															
15/90ARTM															
15/180ARTM	35	20,1	5	12	4	10	18	4,5	6	9	1,5	5	M5x0,8p	29	M3x0,5p
15/270ARTM															
20/90ARTM															
20/180ARTM	44	29,1	6	14	4,5	10	20,3	5,5	7	9,6	1,6	8,5	M5x0,8p	36	M3x0,5p
20/270ARTM															
30/90ARTM															
30/180ARTM	51	40	8	16	5	12	22	7,5	8	13	2	11	M5x0,8p	43	M3x0,5p
30/270ARTM															
40/90ARTM															
40/180ARTM	64	45	10	25	6,5	22	30	9	9	15	4,5	9,5	M5x0,8p	56	M3x0,5p
40/270ARTM															

Type: **ARTMF**

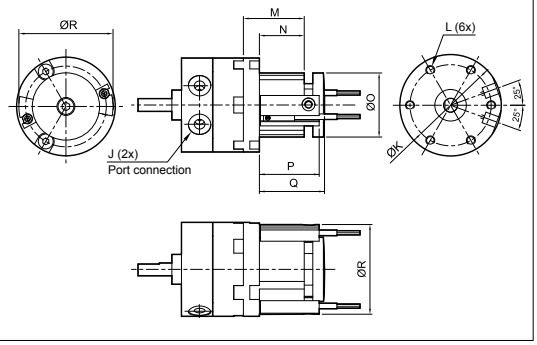


Item	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
10/90ARTMF																							
10/180ARTMF	31	22	13,3	30	14	8	9	5	9	1	4	3,5	17	3	3,5	10,5	9,2	M5x0,8p	25	3,5	M3x0,5p	24	1
10/270ARTMF																							
15/90ARTMF																							
15/180ARTMF	36	25,7	15,5	35	18	9	10	6	12	1,5	5	4,5	21	3	3,5	10,5	10,5	M5x0,8p	29	3,5	M3x0,5p	29	1,5
15/270ARTMF																							
20/90ARTMF																							
20/180ARTMF	44	33,6	19	44	20	10	10	7	14	1,6	6	5,5	26	4	4,2	15	13	M5x0,8p	36	4,5	M3x0,5p	36	1
20/270ARTMF																							
30/90ARTMF																							
30/180ARTMF	52	47,5	27,2	51	22	13	12	8	16	2	8	7,5	29	4,5	5,5	13,5	18,5	M5x0,8p	42	5,5	M3x0,5p	43	2
30/270ARTMF																							
40/90ARTMF																							
40/180ARTMF	64	53	30,4	64	30	15	22	9	25	4,5	10	9	38	5	5,5	19	14	M5x0,8p	52	5,5	M3x0,5p	56	3
40/270ARTMF																							

Type: **ARTML**

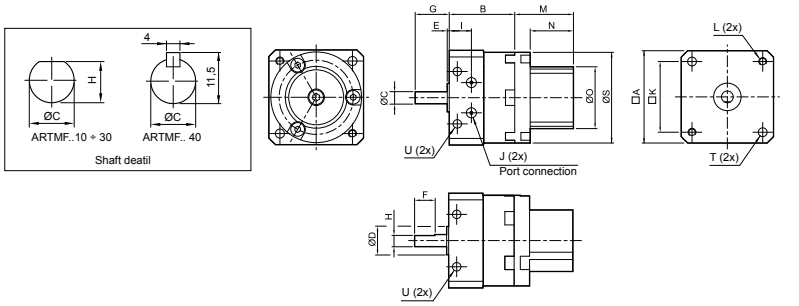


Type: **ARTMC**

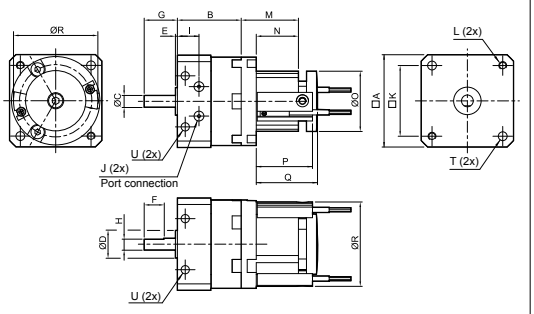


Item		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
10/90ARTML	10/90ARTMC																		
10/180ARTML	10/180ARTMC	30	17	4	9	3	9	14	3,5	4,2	M5x0,8p	24	M3x0,5p	24	18	18	23,3	24	29
10/270ARTML	10/270ARTMC																		
15/90ARTML	15/90ARTMC																		
15/180ARTML	15/180ARTMC	35	20,1	5	12	4	10	18	4,5	5	M5x0,8p	29	M3x0,5p	28	22	24	27,3	29,5	34
15/270ARTML	15/270ARTMC																		
20/90ARTML	20/90ARTMC																		
20/180ARTML	20/180ARTMC	44	29,1	6	14	4,5	10	20,3	5,5	8,5	M5x0,8p	36	M3x0,5p	28,5	21	30	28	30,5	42
20/270ARTML	20/270ARTMC																		
30/90ARTML	30/90ARTMC																		
30/180ARTML	30/180ARTMC	51	40	8	16	5	12	22	7,5	11	M5x0,8p	43	M3x0,5p	32,5	24	34	30,8	34	47
30/270ARTML	30/270ARTMC																		
40/90ARTML	40/90ARTMC																		
40/180ARTML	40/180ARTMC	64	45	10	25	6,5	22	30	-	9,5	M5x0,8p	56	M3x0,5p	34,5	26	34	33	36	47
40/270ARTML	40/270ARTMC																		

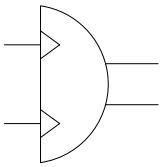
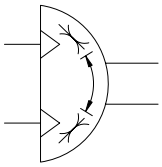
Type: **ARTMFL**



Type: **ARTMFC**



Item		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
10/90ARTMFL	10/90ARTMFC																					
10/180ARTMFL	10/180ARTMFC	31	22	4	9	1	9	14	3,5	9,2	M5x0,8p	25	M3x0,5p	24	18	18	23,3	24	29	30	3,5	3,5
10/270ARTMFL	10/270ARTMFC																					
15/90ARTMFL	15/90ARTMFC																					
15/180ARTMFL	15/180ARTMFC	36	25,7	5	12	1,5	10	18	4,5	10,5	M5x0,8p	29	M3x0,5p	28	22	24	27,3	29,5	34	35	3,5	3,5
15/270ARTMFL	15/270ARTMFC																					
20/90ARTMFL	20/90ARTMFC																					
20/180ARTMFL	20/180ARTMFC	44	33,6	6	14	1	10	20	5,5	13	M5x0,8p	36	M3x0,5p	28,5	21	30	28	30,5	42	44	4,5	4,2
20/270ARTMFL	20/270ARTMFC																					
30/90ARTMFL	30/90ARTMFC																					
30/180ARTMFL	30/180ARTMFC	52	47,5	8	16	2	12	22	7,5	18,5	M5x0,8p	42	M3x0,5p	32,5	24	34	30,8	34	47	51	5,5	5,5
30/270ARTMFL	30/270ARTMFC																					
40/90ARTMFL	40/90ARTMFC																					
40/180ARTMFL	40/180ARTMFC	64	53	10	25	3	22	30	-	14	M5x0,8p	52	M3x0,5p	34,5	26	34	33	36	47	64	5,5	5,5
40/270ARTMFL	40/270ARTMFC																					

Esecuzioni standard		
Version	Symbol	Type
Standard		ARTM
Magnetic		ARTMC
Standard adjustabe angle		ARTML
Magnetic adjustabele angle		ARTMLC

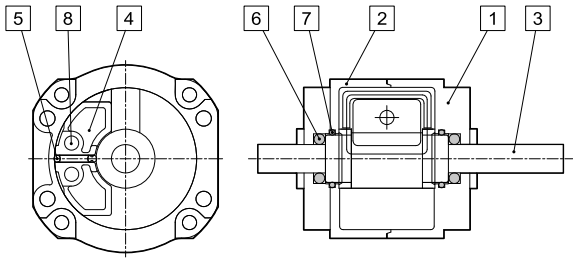
New

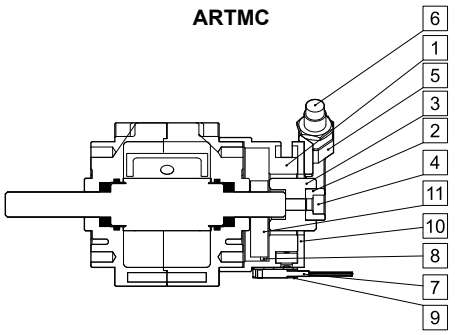
Series of Hi-rotor cylinders with fixed and adjustable rotation angles and reduced overall dimensions.
They are provided with elastic dampers to relieve the impacts of the vanes.
For mounting accessories see from page 1.50.10.
How to order: 15 / 90° ARTML

15	/	90°	ARTML
Size	/	Rotation	Type

Options	Suffix
With shock absorber	D
Special versions on request	/ S

Technical data					
Size		50	63	80	100
Bores		Ø 12	Ø 15	Ø 17	Ø 25
Fluid		Compressed filtered air with or without lubrication. Lubrication, if started, must be continued.			
Pressure range		1,5 ÷ 7 bar			
Temperature range		0° C ÷ + 50° C			
Rotation angle		90° - 180° - 270°			
Torque moment (Nm)		5	10	18	35
Ports		1/8”		1/4”	
Weight (g)	ARTM	760	1290	1920	3560
	ARTMC	1100	1150	2300	3900

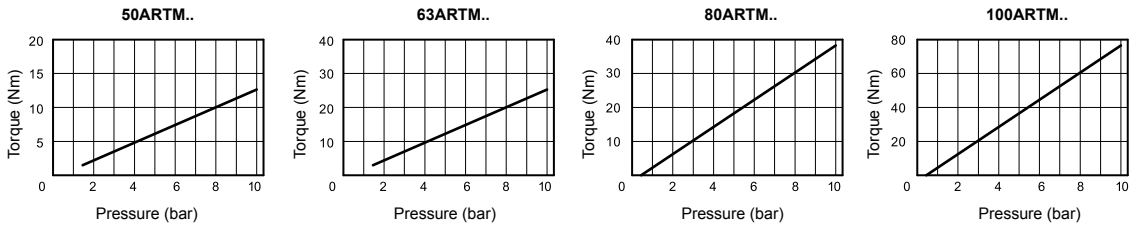




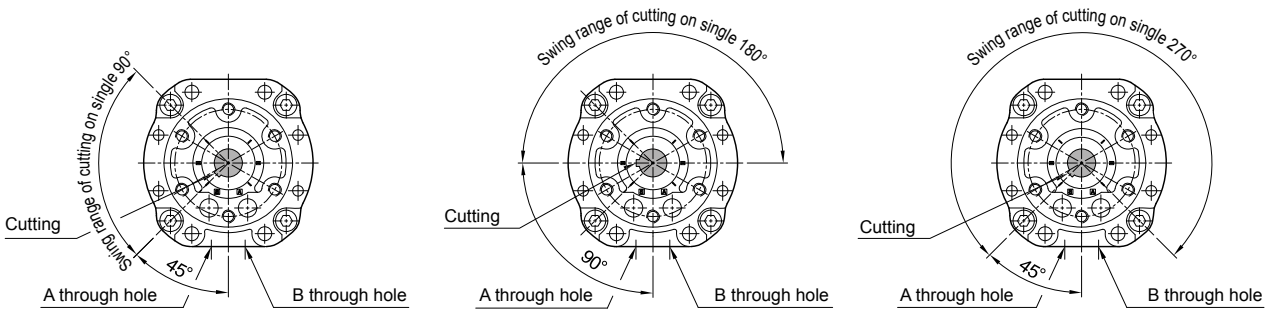
Materials (standard types)	
1 Front body	Aluminium alloy
2 End body	Aluminium alloy
3 Rod	Steel alloy
4 Position block	Aluminium alloy
5 O-ring	Nitrilic rubber NBR
6 Bearing	Steel
7 O-ring	Nitrilic rubber NBR
8 Position pin	Steel

Materials (standard types)	
1 Position base	Aluminium alloy
2 Rocker arm	Stainless steel
3 Rocker arm seat	Stainless steel
4 Screw	Steel alloy
5 Angle adjustment	Aluminium alloy
6 Shock absorber	-
7 Sensor switch	-
8 Magnet	Rare earth materials
9 Mounting base	Aluminium alloy
10 End cover	Aluminium alloy
11 Magnet seat	Aluminium alloy

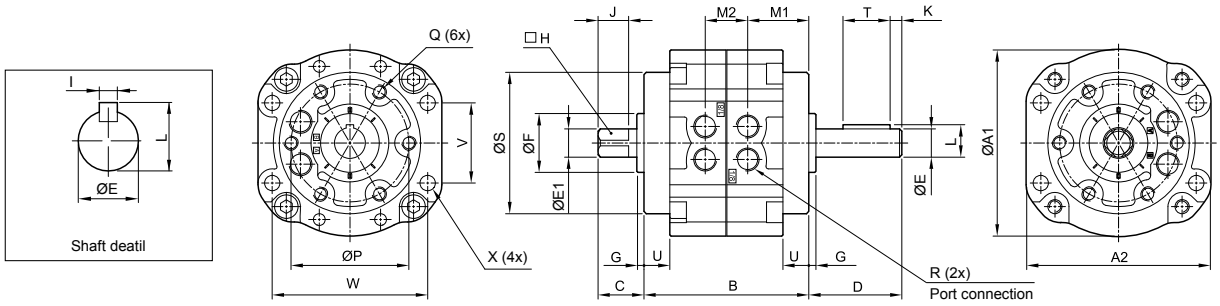
Output torque table



Rotation angle

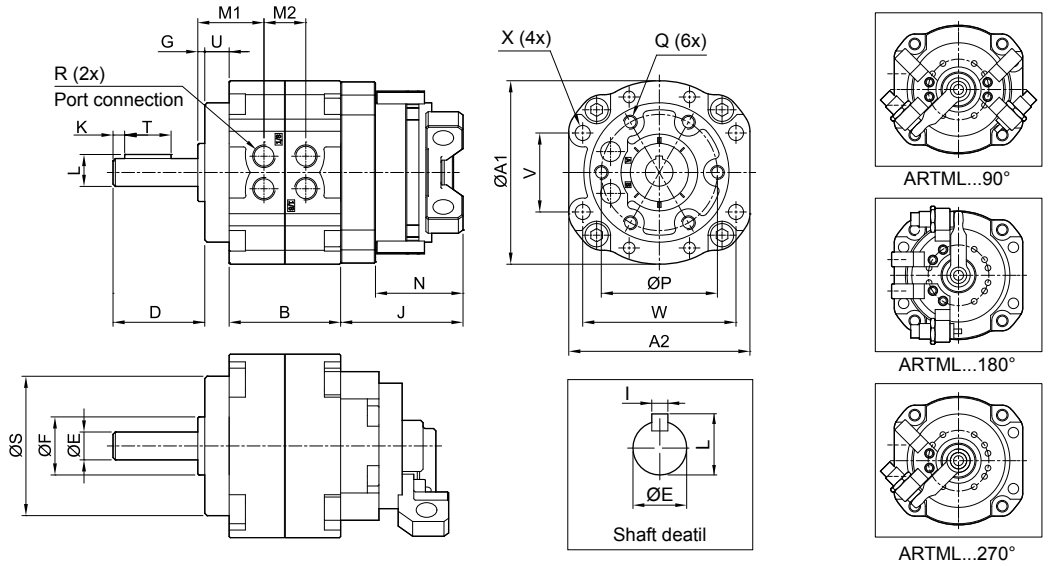


Type: **ARTM**



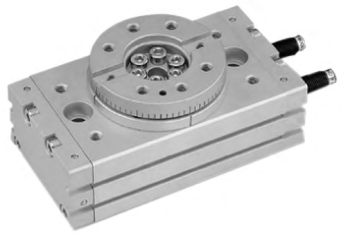
Item	A1	A2	B	C	D	E	F	G	H	I	J	K	L	M1	M2	P	Q	R	S	T	U	V	W	ØX
50/90ARTM																								
50/180ARTM	79	78	70	19,5	39,5	12	25	3	10	4	13	5	13,5	26	18,2	50	M6x1,0p	RC1/8”	60	20	11	34	66	6,5
50/270ARTM																								
63/90ARTM																								
63/180ARTM	98	98	80	21	45	15	28	3	12	5	14	5	17	28,9	22,2	60	M8x1,25p	RC1/8”	75	25	14	39	83	9
63/270ARTM																								
80/90ARTM																								
80/180ARTM	110	110	90	23,5	53,5	17	30	3	13	5	16	5	19	30	30,2	70	M8x1,25p	RC1/4”	88	41	15	48	94	9
80/270ARTM																								
100/90ARTM																								
100/180ARTM	140	140	103	30	65	25	45	4	19	7	22	5	28	35,4	32,2	80	M10x1,5p	RC1/4”	108	40	11,5	60	120	11
100/270ARTM																								

Type: **ARTMC**



Item	A1	A2	B	D	E	F	G	I	J	K	L	M1	M2	N	P	Q	R	S	T	U	V	W	ØX
50/90ARTMC																							
50/180ARTMC	79	78	48	50,5	12	25	3	4	52,7	5	13,5	29	18	37,7	50	M6x1,0p	RC1/8”	60	20	11	34	66	6,5
50/270ARTMC																							
63/90ARTMC																							
63/180ARTMC	98	98	52	59	15	28	3	5	56,4	5	17	31,9	22,2	37,7	60	M8x1,25p	RC1/8”	75	25	14	39	83	9
63/270ARTMC																							
80/90ARTMC																							
80/180ARTMC	110	110	60	68,5	17	30	3	5	58,9	5	19	33	30	39,2	70	M8x1,25p	RC1/4”	88	36	15	48	94	9
80/270ARTMC																							
100/90ARTMC																							
100/180ARTMC	140	140	80	76,5	25	45	4	7	62,9	5	28	39,4	32,2	39,2	90	M10x1,5p	RC1/4”	108	40	11,5	60	120	11
100/270ARTMC																							

Standard executions		
Version	Code	Item
Bore 10 mm (x2)	075581	10ARC
Bore 12 mm (x2)	075582	12ARC
Bore 15 mm (x2)	073063	15ARC
Bore 18 mm (x2)	073064	18ARC
Bore 20 mm (x2)	073065	20ARC
Bore 25 mm (x2)	073066	25ARC
Bore 28 mm (x2)	075583	28ARC
Bore 32 mm (x2)	075584 New	32ARC
Bore 40 mm (x2)	075585 New	40ARC
Bore 50 mm (x2)	075586 New	50ARC
Bore 63 mm (x2)	075587 New	63ARC



Options	Suffix
With hydraulic shock absorbers	D

How to choose the shock absorber

Rotary actuator	Cushioning capability max (kgf.m)
15ARC	3
18ARC	6
20ARC	6
25ARC	20
28ARC	59
32ARC	59
40ARC	147
50ARC	147
63ARC	147

Series of rotary actuators with double rack with rotation angles 90°-180° and adjustment angle from 0°÷90°.

They are standard magnetic provided with groves on the body allowing the direct mounting of the magnetic reed switches.
The mechanical stoppers are standard; the hydraulic shock absorbers can be supplied on request.

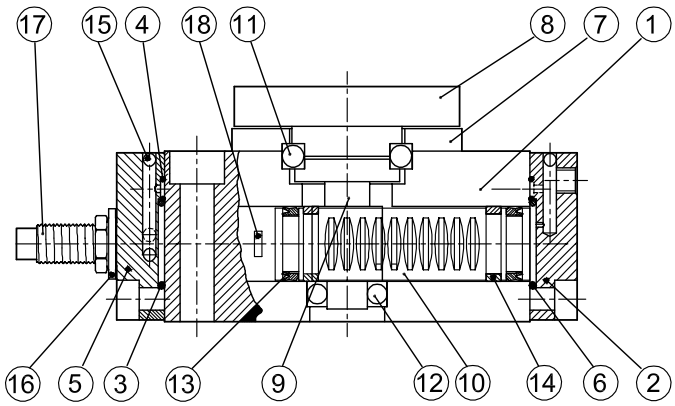
For the magnetic reed switches type ASC see from page 1.110.1

How to order: 20ARCD

20	ARC	D
Bore	Item	Option

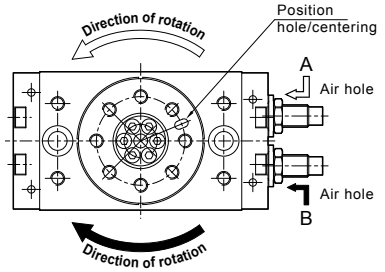
Technical data											
Type	10	12	15	18	20	25	28	32	40	50	63
Bore	Ø 10	Ø 12	Ø 15	Ø 18	Ø 20	Ø 25	Ø 28	Ø 32	Ø 40	Ø 50	Ø 63
Fluid	Compressed filtered air with or without lubrication. Lubrication, if started, must be continued.										
Pressure range	1,5 ÷ 7 bar										
Temperature range	0° C ÷ + 50° C										
Rotation angle	180°										
Adjustment angle	0° ÷ 190°										
Rotation moments (Nm)	0,3	0,6	1,5	2,2	3,2	5,5	7,5	9,8	19	31	45
Ports	M3		M5		1/8”						
Weight (g)	150	250	530	990	1290	2100	2890	4100	7650	8960	11170

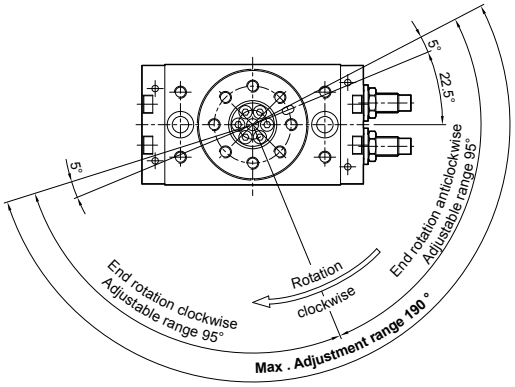
Materials



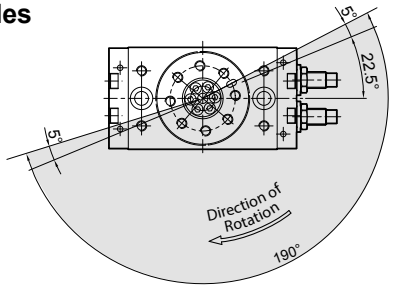
N.	Component	Material
1	Body	Anodised aluminium
2	Front head	Anodised aluminium
3	O-Ring	NBR
4	O-Ring	NBR
5	Rear head	Anodised aluminium
6	O-Ring	NBR
7	Bearings cover	Anodised aluminium
8	Rotating plate	Anodised aluminium
9	Piston rod	Hardned steel
10	Rack	Stainless steel
11	Spherical bearing	Steel
12	Spherical bearing	Steel
13	Piston seal	NBR
14	Washer	Plastic material
15	Ball	Steel alloy
16	Limit switch seal	NBR
17	Mechanical stopper	Steel alloy
18	Magnet	Metal

Direction and rotation angle

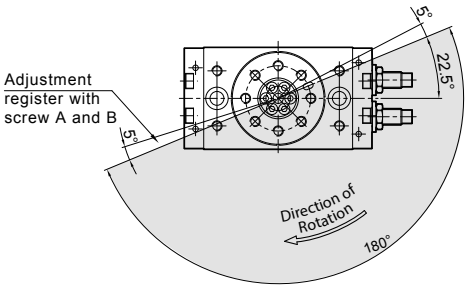




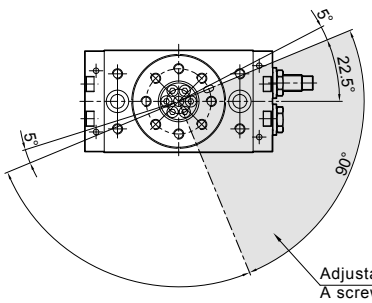
Rotation angles



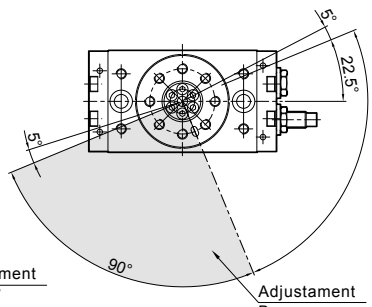
Rotation 190° (Max.)



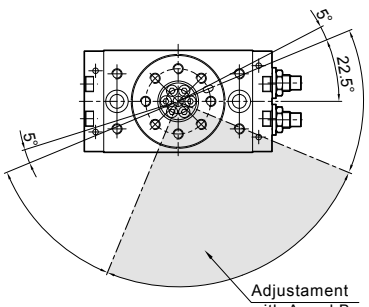
Rotation 180°



Rotation 90°

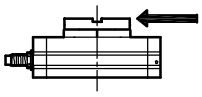
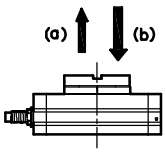
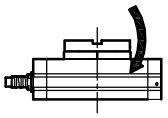


Rotation 90°

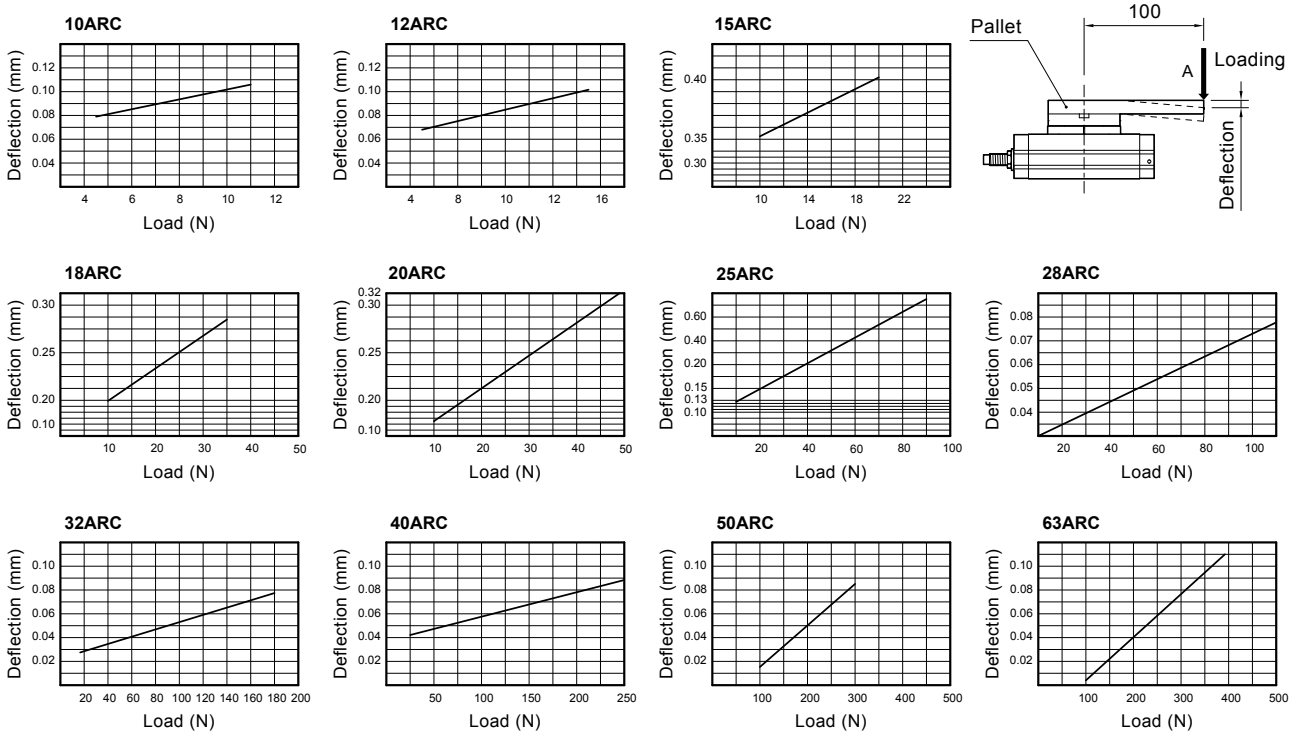


Rotation 90°

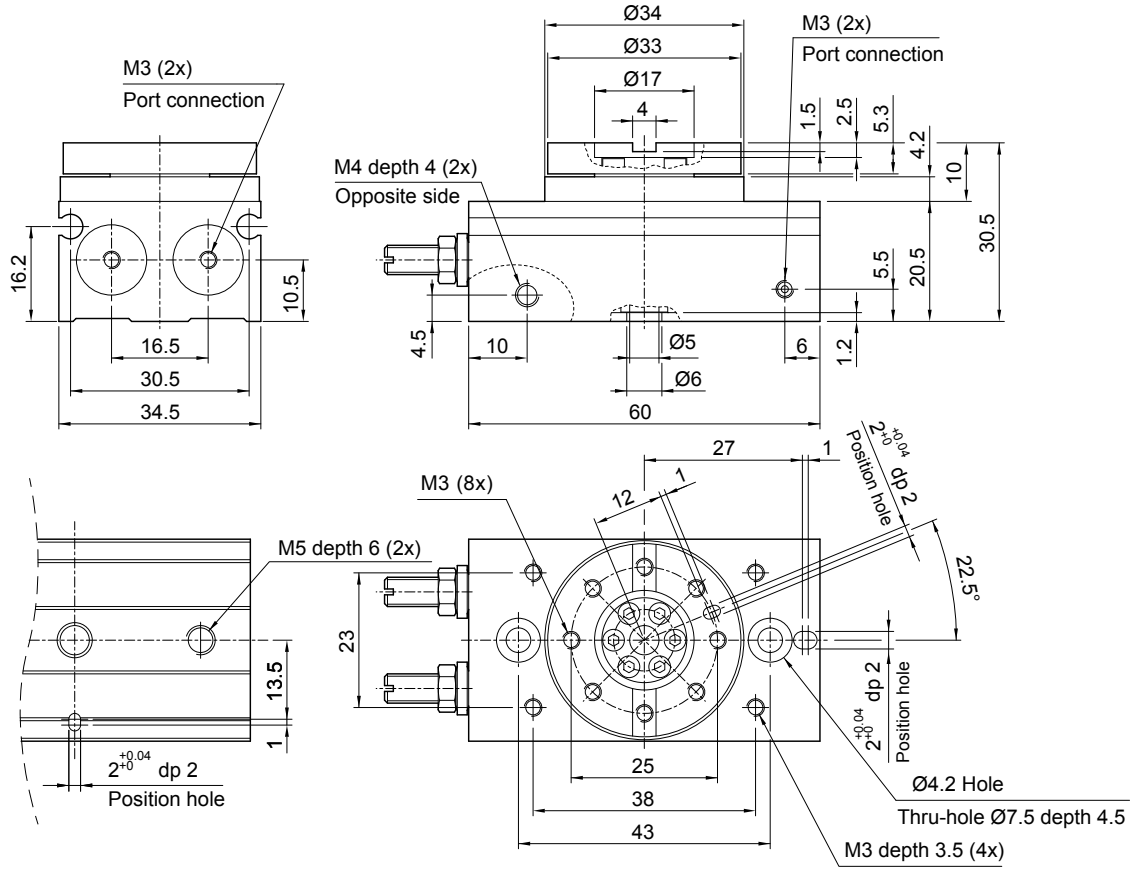
Possible loads

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

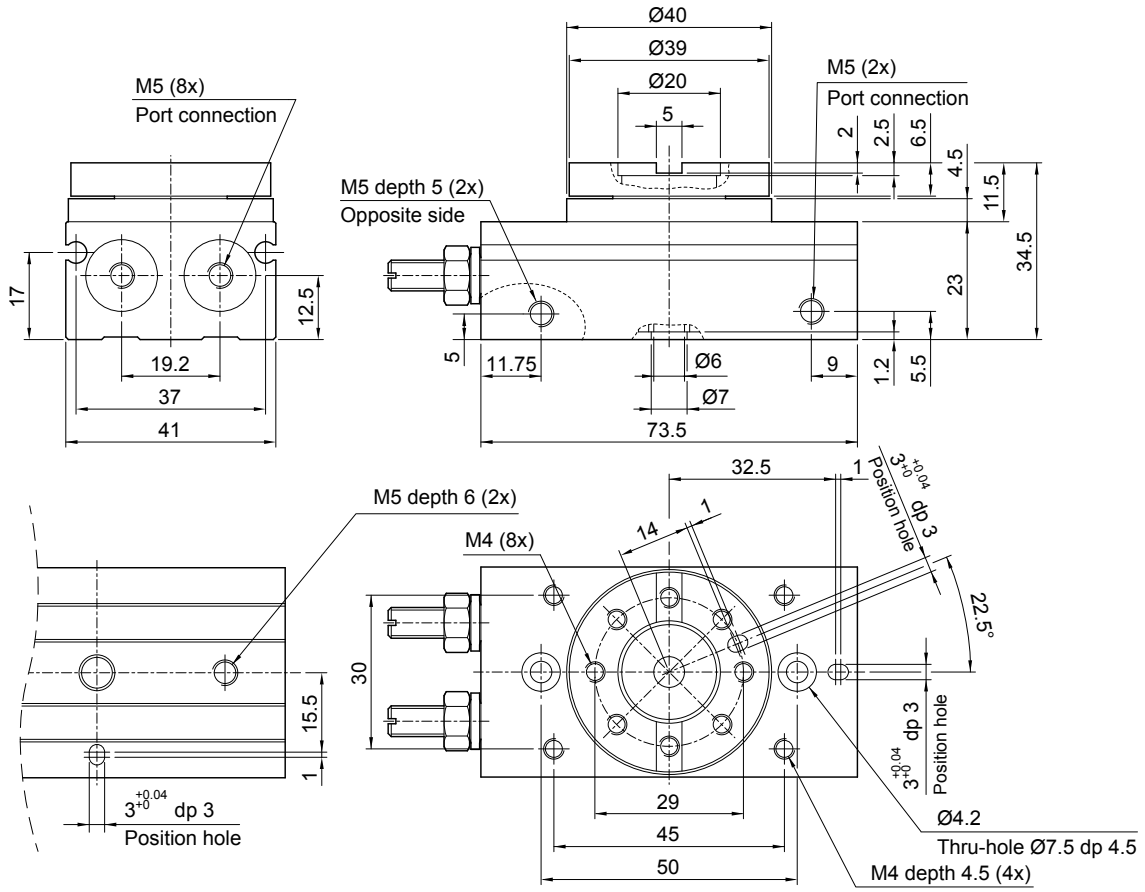
Transverse load and Deflection



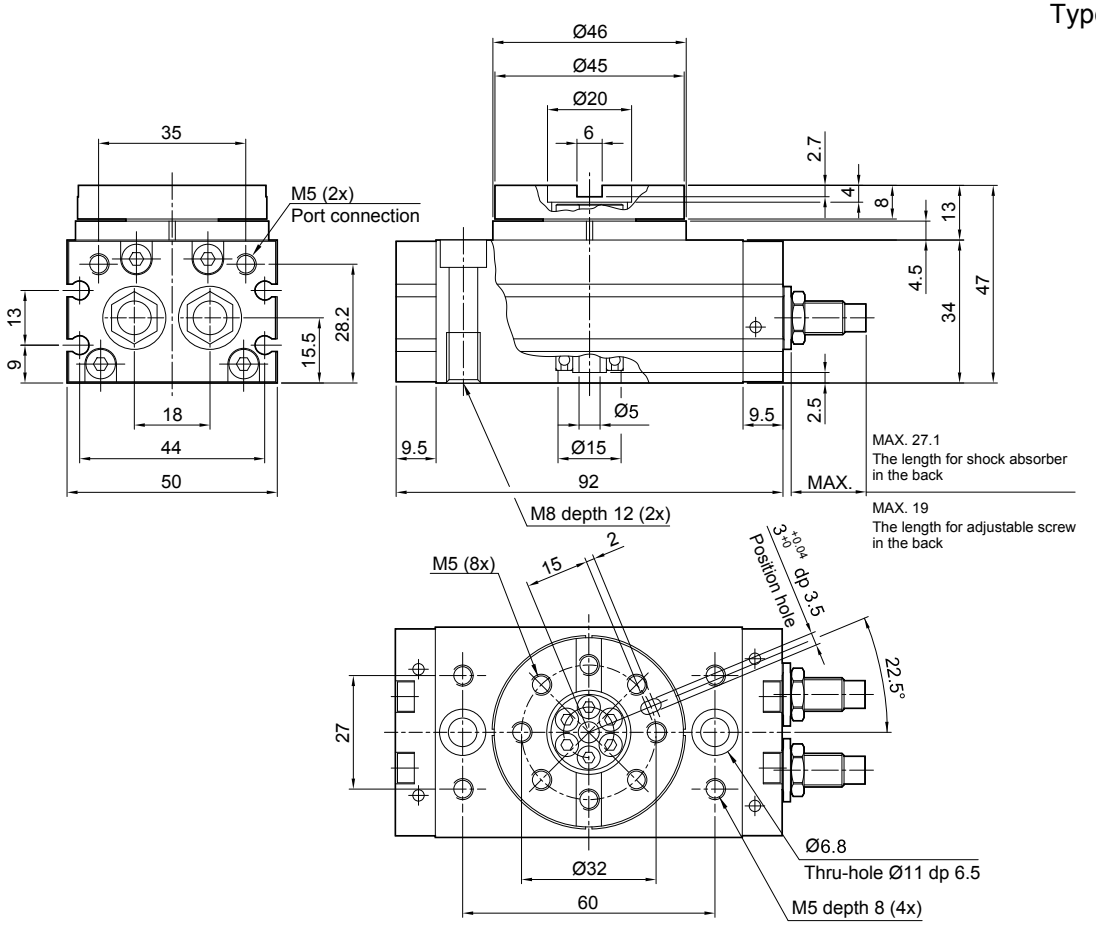
Type: **10ARC**



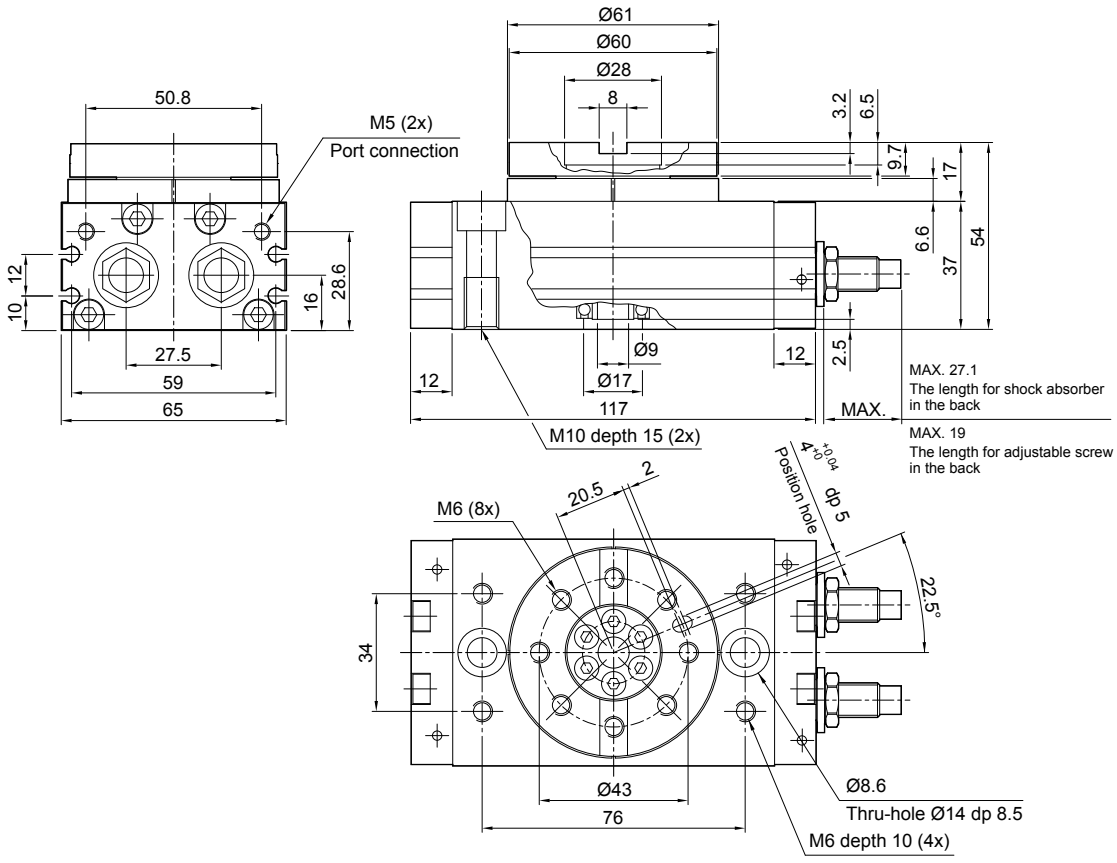
Type: **12ARC**



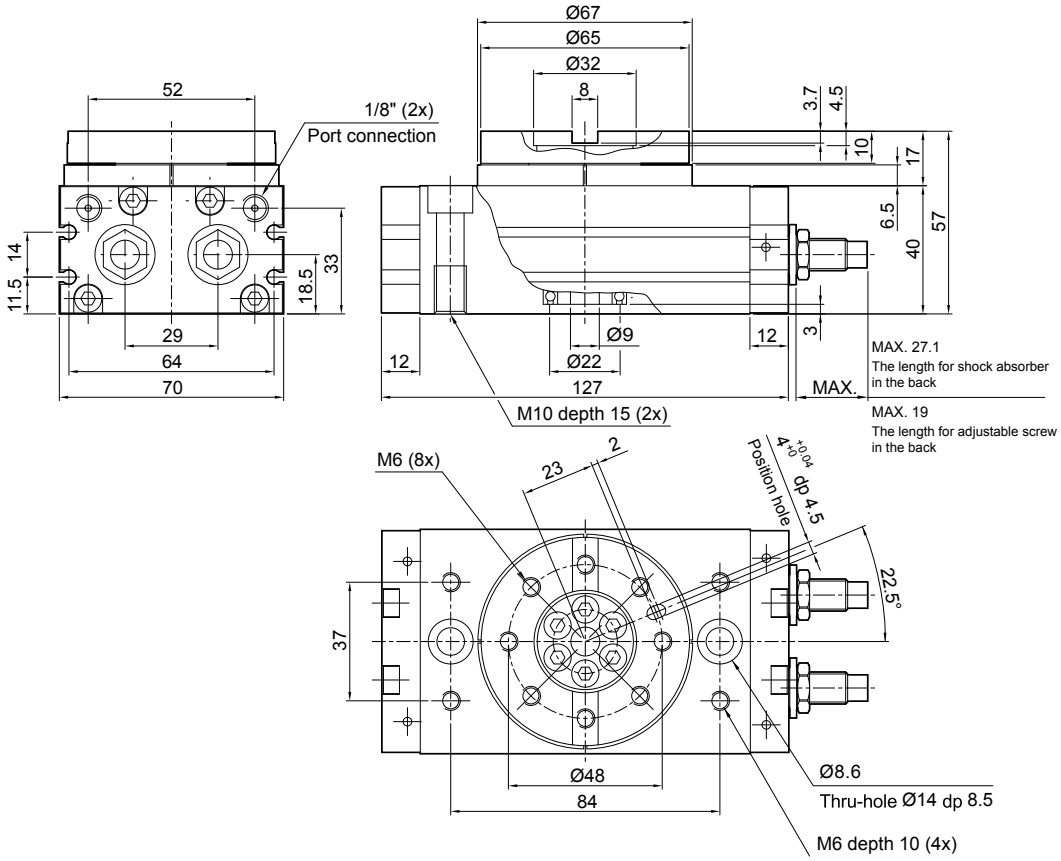
Type: **15ARC**



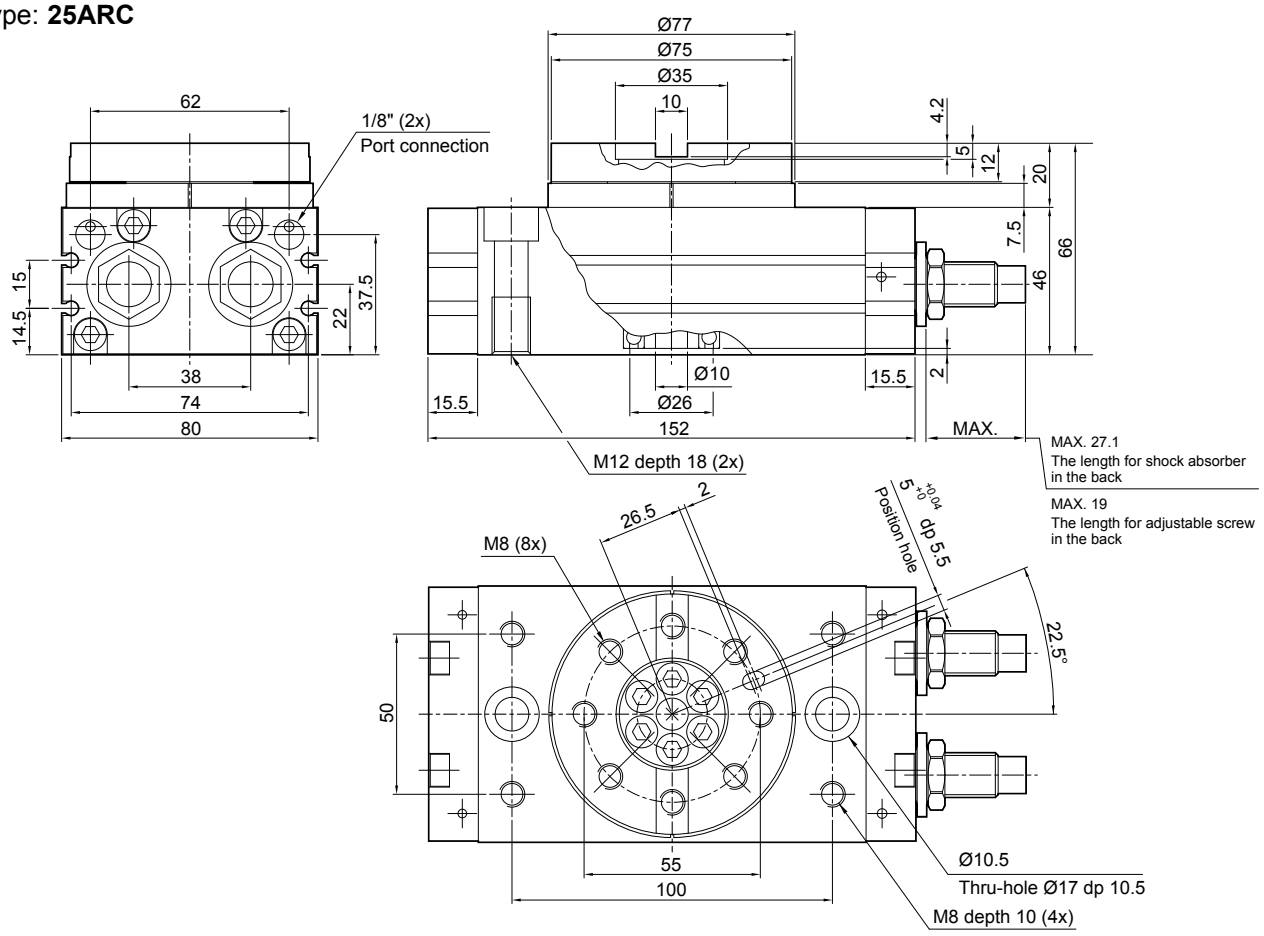
Type: **18ARC**



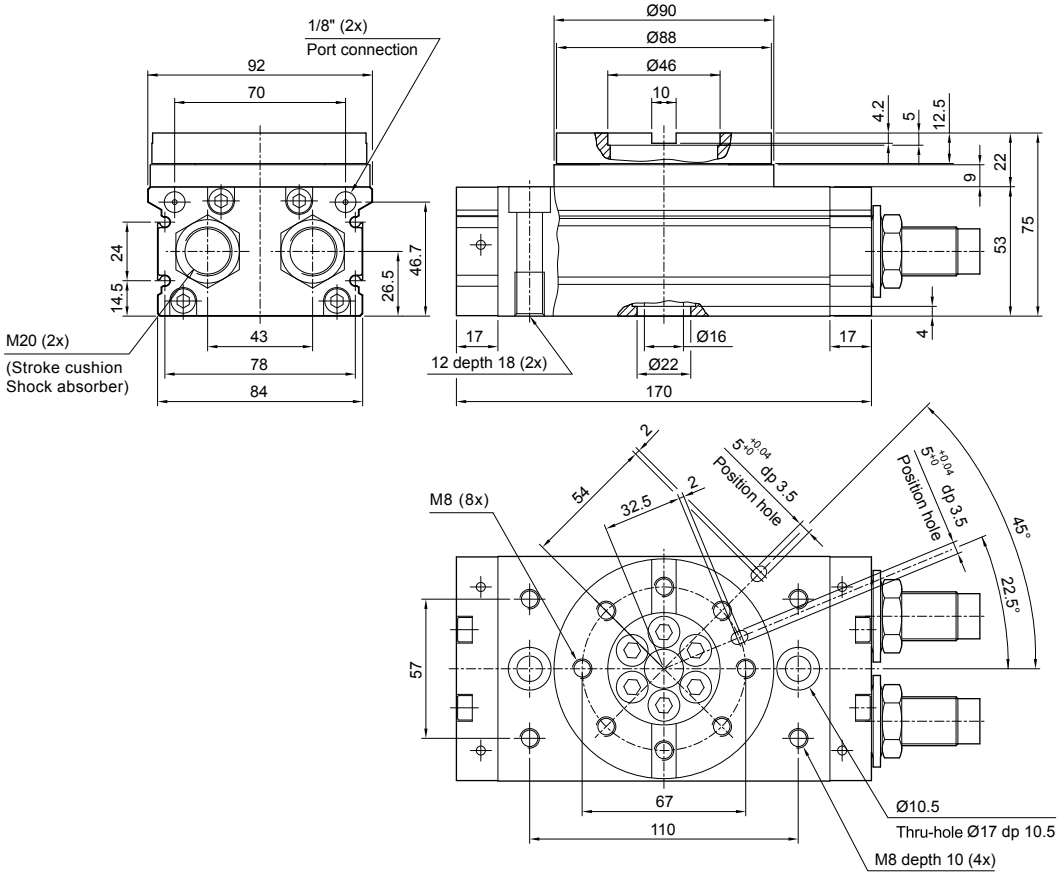
Type: **20ARC**



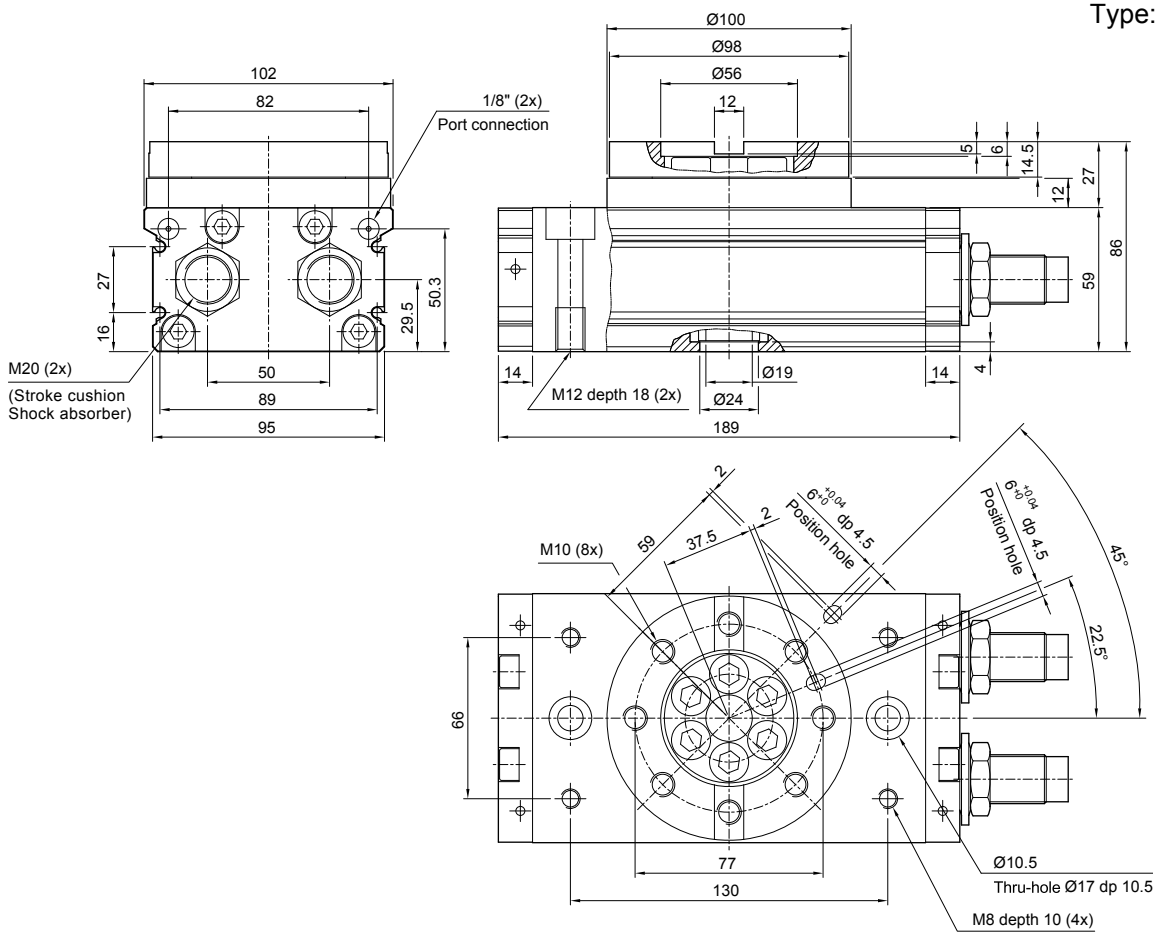
Type: **25ARC**



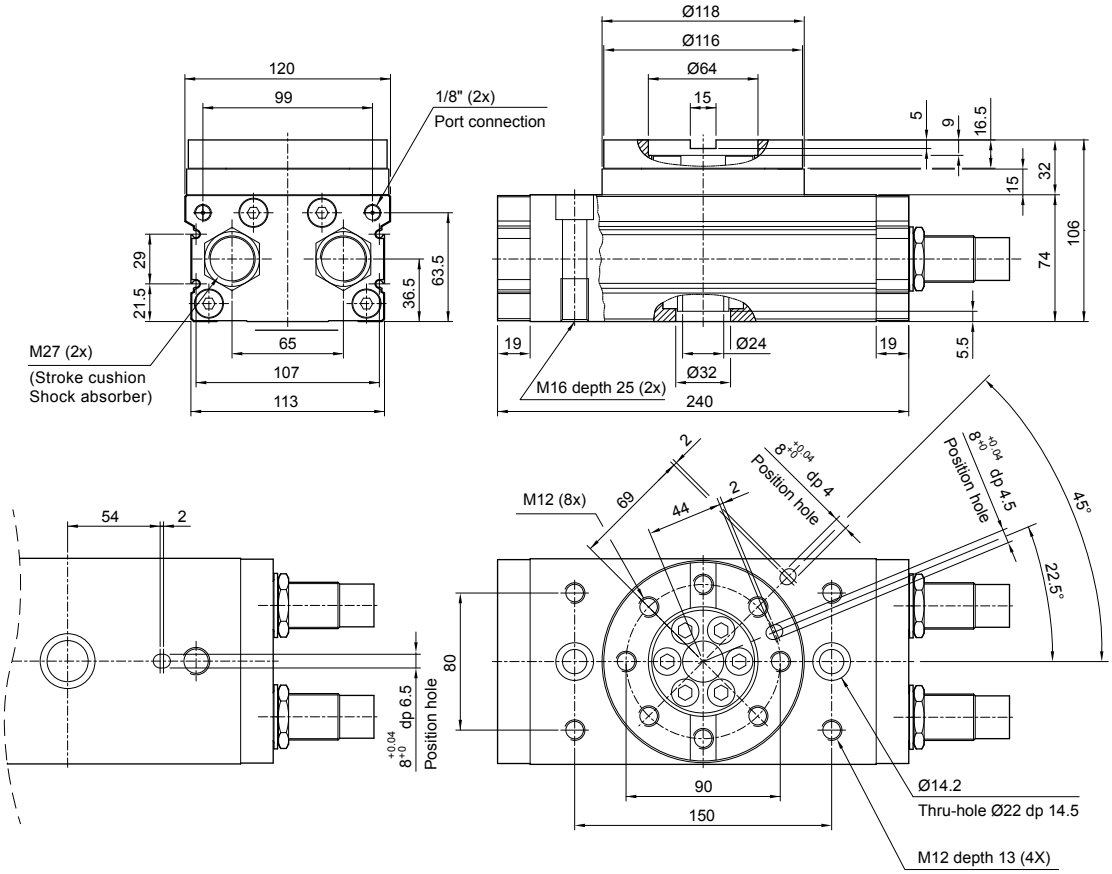
Type: **28ARC**



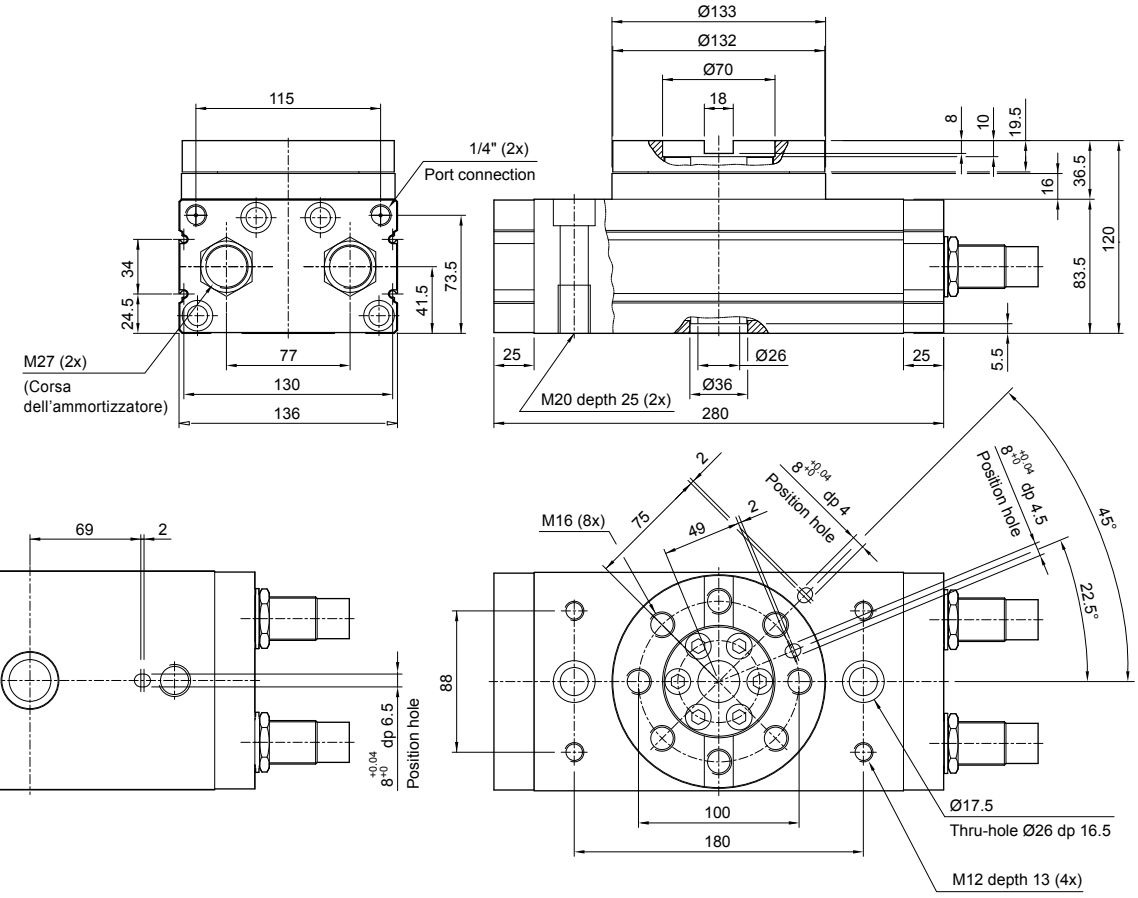
Type: **32ARC**



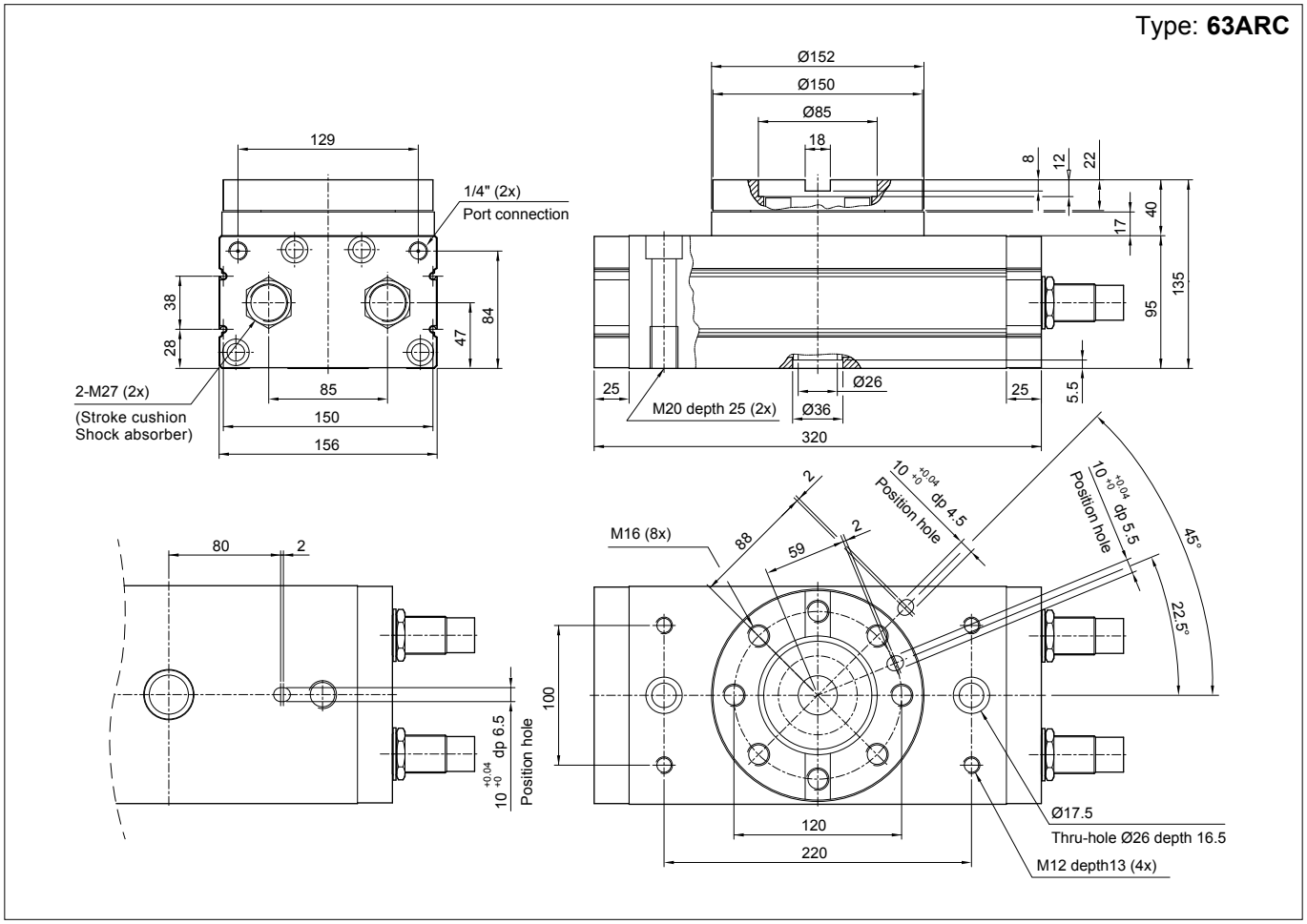
Type: **40ARC**



Type: **50ARC**



Type: **63ARC**


Ø152
Ø150
Ø85
18
8
12
22
40
17
135
95
129
1/4" (2x)
Port connection
38
28
84
47
2-M27 (2x)
(Stroke cushion
Shock absorber)
85
150
156
25
M20 depth 25 (2x)
Ø26
Ø36
25
5.5
320
80
2
10 +0.04 +0 dp 6.5
Position hole
M16 (8x)
88
59
2
2
10 +0.04 +0 dp 4.5
Position hole
10 +0.04 +0 dp 5.5
Position hole
45°
22.5°
100
120
220
Ø17.5
Thru-hole Ø26 depth 16.5
M12 depth13 (4x)

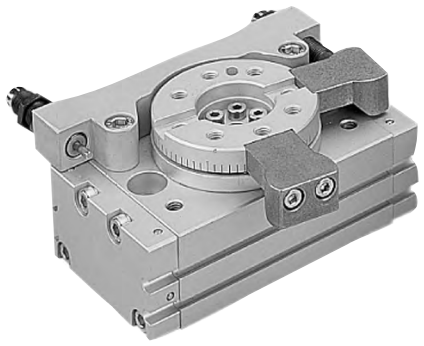
Rotary actuators series ARP

Bores from 15 to 32 mm

Double acting

Esecuzioni standard		
Version	Code	Item
Bore 15 mm (x2), 90°	073071	15/90ARP
Bore 18 mm (x2), 90°	073072	18/90ARP
Bore 20 mm (x2), 90°	073073	20/90ARP
Bore 25 mm (x2), 90°	073074	25/90ARP
Bore 28 mm (x2), 90°	075588 New	28/90ARP
Bore 32 mm (x2), 90°	075589 New	32/90ARP
Bore 15 mm (x2), 180°	073079	15/180ARP
Bore 18 mm (x2), 180°	073080	18/180ARP
Bore 20 mm (x2), 180°	073081	20/180ARP
Bore 25 mm (x2), 180°	073082	25/180ARP
Bore 28 mm (x2), 180°	075590 New	28/180ARP
Bore 32 mm (x2), 180°	075591 New	32/180ARP

New



Options	Suffix
With hydraulic shock absorbers	D

How to choose the shock absorber

Rotary actuator	Cushioning capability max (kgf.m)
15ARP	3
18ARP	6
20ARP	6
25ARP	20
28ARP	59
32ARP	59

Series of rotary actuators with piston and external mechanical stoppers.
Rotation angles 90°-180°.
They are standard magnetic provided with groves on the body allowing the direct mounting of the magnetic reed switches.
The mechanical stoppers are standard; the hydraulic shock absorbers can be supplied on request.

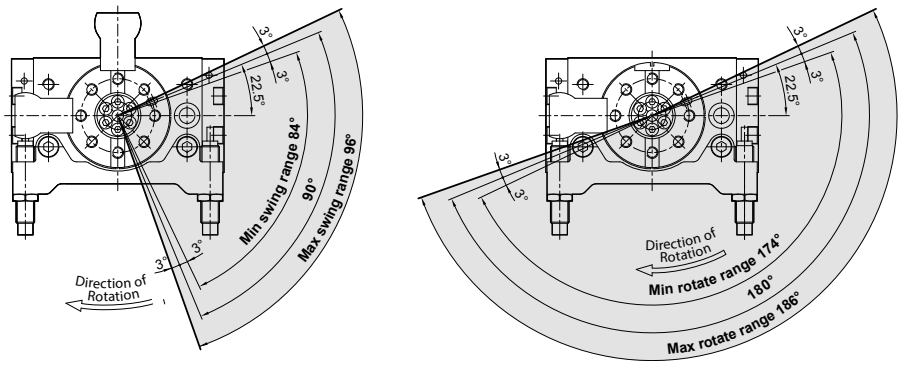
For the magnetic reed switches type ASC see from page 1.110.1

How to order: 20ARCD

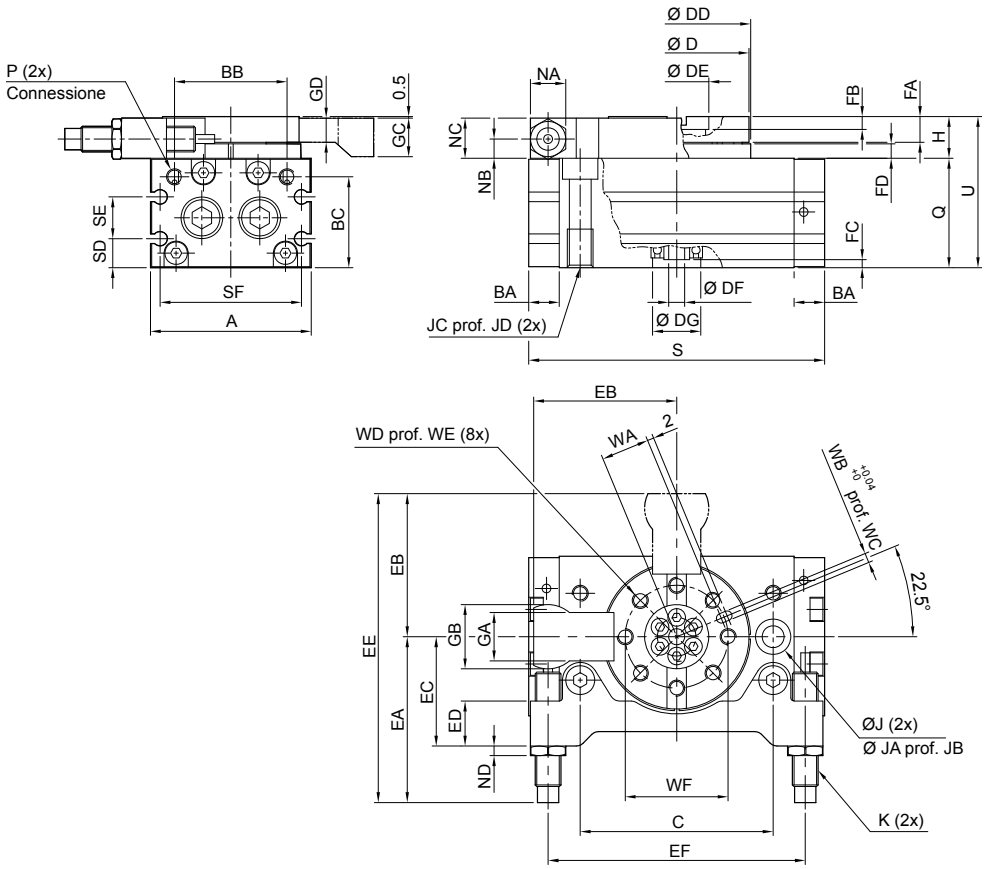
20	/	90	ARP	D
Bore	/	Rotation	Item	Option

Technical data							
Type		15	18	20	25	28	32
Bore		Ø 15	Ø 18	Ø 20	Ø 25	Ø 28	Ø 32
Fluid		Compressed filtered air with or without lubrication. Lubrication, if started, must be continued.					
Pressure range		1,5 ÷ 7 bar					
Temperature range		0° C ÷ + 50° C					
Rotation angle		90° - 180°					
Adjustment angle		10°					
Rotation moments (Nm)		1,5	2,2	3,2	5,5	7,5	9,8
Ports		M5		1/8”			
Weight (g)	90°	630	1200	1520	2480	3390	4700
	180°	600	1140	1450	2370	3210	4500

Rotation angles



Dimensions



Type	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
15ARP	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
18ARP	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	9	9,2	17
20ARP	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
25ARP	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
28ARP	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
32ARP	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

Type	J	JA	JB	JC	JD	K	NA	NB	NC	ND	P	Q	S	SD	SE	SF	U	WA	WB	WC	WD	WE	WF
15ARP	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
18ARP	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
20ARP	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
25ARP	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	10	55
28ARP	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
32ARP	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