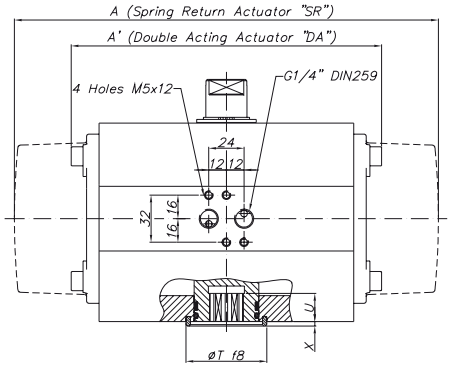
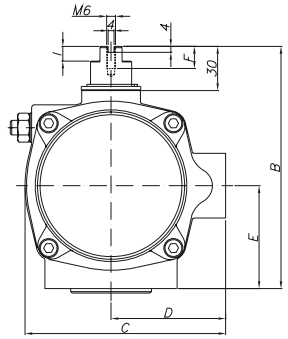
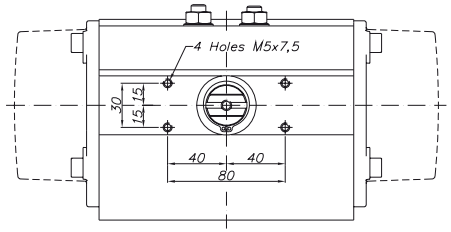
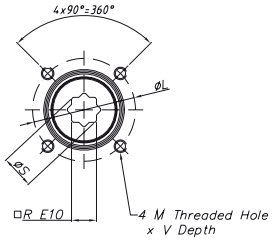








Dimensions*

A	A[1]	B	C	D	E	F	I	R	ØS	ISO	ØL	M x V	ØT	X	U
163	145	96	76	48	34	9	6	11	14,7	F04	42	M5 x 10	30	3	17

Max. pressure	Rotation	Screw stroke adjustment	Chamber Ø (mm)	Air volume (L)		Stroke Time (Sec. (A)		Operating Temperature (°C)		
				Opening	Closing	Opening	Closing	STD (std.)	HT (high temp.)	LT (low temp.)
8 bar	90° ± 5°	for 1° need 1/3 turn	45	0,13	0,09	D 0,04 S 0,12	D 0,09 S 0,18	NBR O-ring -30°...+100°C	FPM O-ring -15°...+150°C	Silicone O-ring -40°...+80°C

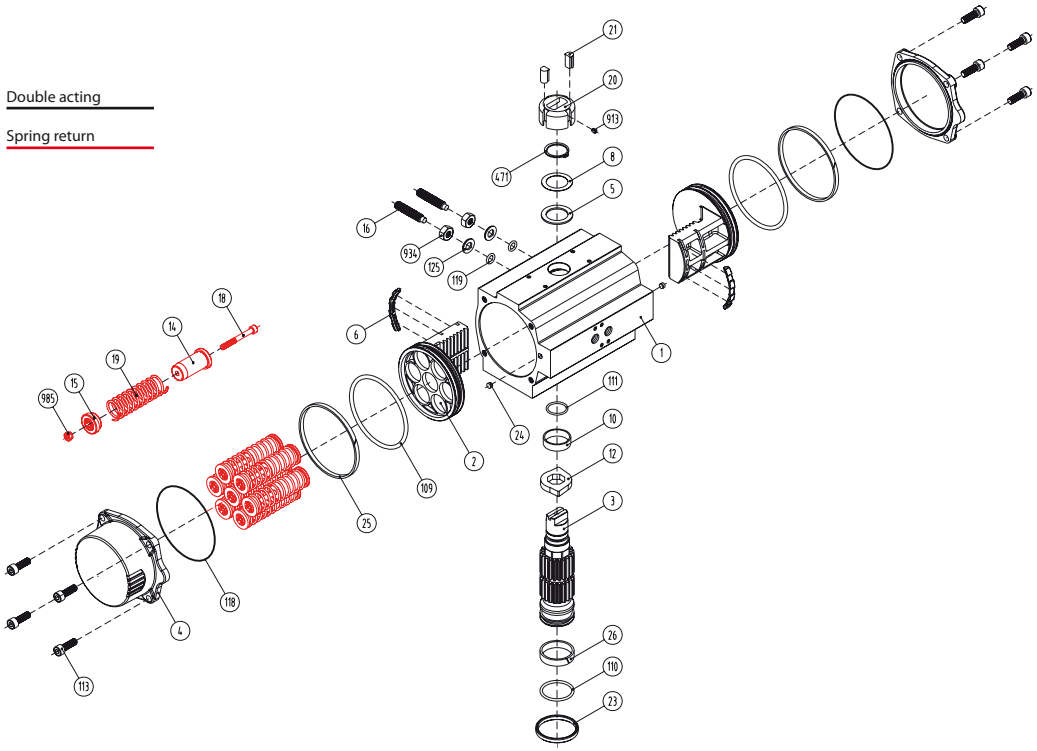
Double acting actuator „DA" torque output in [Nm]

Typ	3 bar		3,5 bar		4 bar		4,5 bar		5 bar		5,5 bar		6 bar[2]		6,5 bar		7 bar		8 bar		Kg
	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	
D	9,7		11,4		13		14,6		16,2		17,8		19,5		21,1		23		26		1,4

Spring return actuator „SR" torque output in [Nm]

Typ	3 bar		3,5 bar		4 bar		4,5 bar		5 bar		5,5 bar		6 bar (A)		6,5 bar		7 bar		8 bar		Spring stroke		Kg
	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	End	Start	
S04			8	5	9	7	11	8	13	10	14	12	16	13	17	15	19	17	22	20	4	7	1,51
S06[2]									11	7	12	9	14	10	15	12	17	13	20	17	7	11	1,54
S08											10	5	12	7	14	9	15	10	18	14	9	15	1,56

[2] Standard construction



Materials

1	**Body**	Aluminium hard anodized
2	**Piston**	Aluminium
3	**Pinion**	Nickel plated carbon steel
4	**End caps**	Aluminium epoxy coated
5	**Soft piston washer**	Polyamide PA 6,6
6	**Slide piston**	Polyamide PA 6,6 + 30% G.F.
8	**Pinion washer**	Stainless steel
10	**Upper pinion bearing**	Hostalen RCH 1000
12	**Stop**	ASTMA 105
14	**(*) Springs long support**	Polyamide PA 6,6
15	**(*) Springs short support**	Polyamide PA 6,6
16	**Leveling screw**	Stainless steel
18	**(*) Bolt**	Stainless steel
19	**(*) Spring**	DIN 2076 - D-5,6
20	**Position indicator**	Polyamide
21	**Cam**	Polyamide
23	**Centering ring**	Nickel plated carbon steel
24	**Plug air stop**	NBR
25	**Slide guide**	Polyamide PA 6,6 + 30% G.F.
26	**Lower pinion bearing**	Hostalen RCH 1000
109	**O-ring**	NBR
110	**O-ring**	NBR
111	**O-ring**	NRB
113	**Bolt**	Stainless steel
118	**O-ring**	NBR
119	**O-ring**	NBR
125	**Washer**	Stainless steel
913	**Set screw**	Stainless steel
471	**External circlip**	Stainless steel
934	**Nut**	Stainless steel
985	**(*) Nut**	Stainless steel

(*) Only for serie SR

General characteristics

Mounting of solenoide valves	Namur Std.	
Mounting of devices	Namur V DI	Namur V DE 3845 Std.
Coupling according	ISO 5211	DIN 3337
Marking	CE	Ex II 2 GDc LCIE 05 AR 022
Test and certificates		
Quality assurance	ISO 9001	

Design and materials can be changed without notice. Errors and omissions excepted

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FERGO® Armaturen GmbH

Mainstrasse 26-30
D41469 Neuss

Tel.: +49(0) 2137 - 9 30 80-0
Fax: +49(0) 2137 - 9 30 80-99

Web: www.fergo.biz
E-Mail: info@fergo.biz