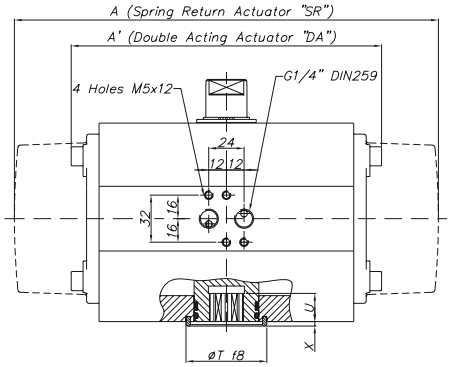
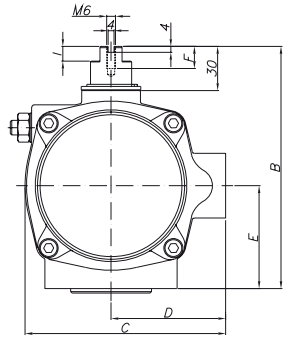
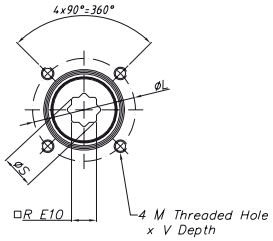






Dimensions

A	A¹	B	C	D	E	F	I	R	ØS	ISO	ØL	M x V	ØT	X	U
195	158	115	91	56	45	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	60,2	0,27	0,23	D 0,08 S 0,20	D 0,08 S 0,29	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 bar²		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	20,3		23,7		27,1		30,5		33,9		37,3		41		44		47		54		2,1

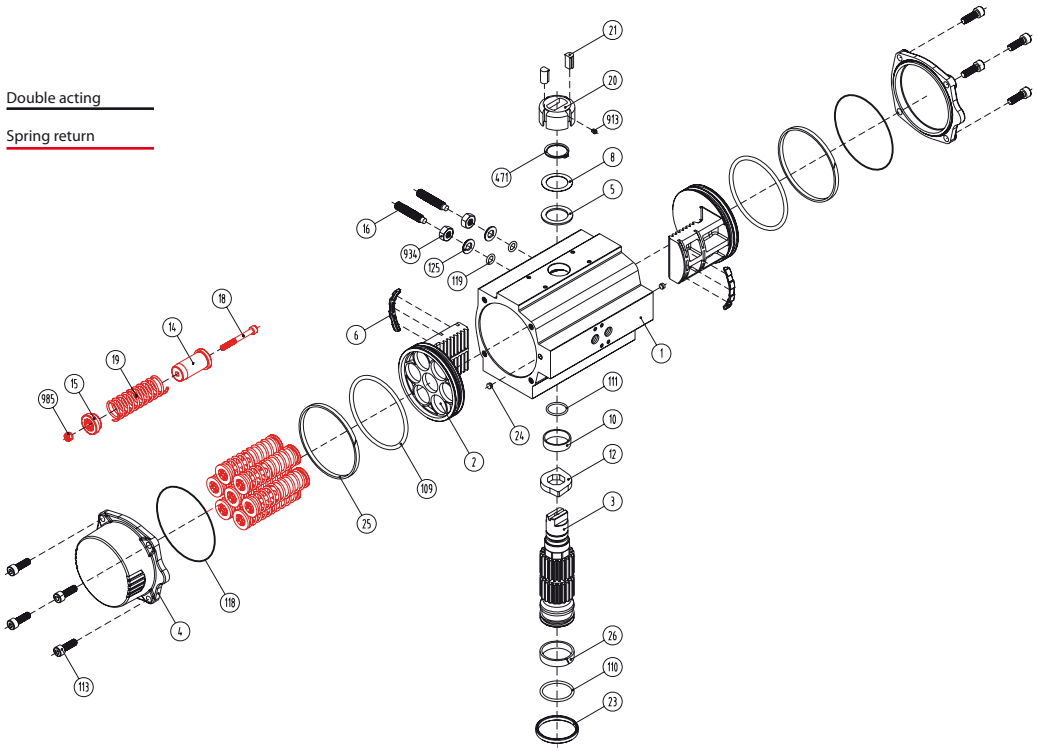
Spring return actuator „SR" torque output in [Nm]

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	16	14	20	17	23	20	26	24	30	27	33	30	37	34	40	37	43	41	50	57	5	8	2,17
S06	14	10	18	14	21	17	24	20	28	24	31	27	34	30	38	34	41	37	48	44	7	12	2,20
S08			15	10	19	14	22	17	26	20	29	24	32	27	36	30	39	34	46	41	10	16	2,23
S10							20	14	24	17	27	20	30	24	34	27	37	30	44	37	12	20	2,26
S12									21	13	25	17	28	20	32	24	35	27	42	34	15	24	2,29
S14²											23	13	26	17	30	20	33	24	40	30	17	28	2,32

² Standard construction

Double acting

Spring return



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

SR40 / DA40

copyright © by
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