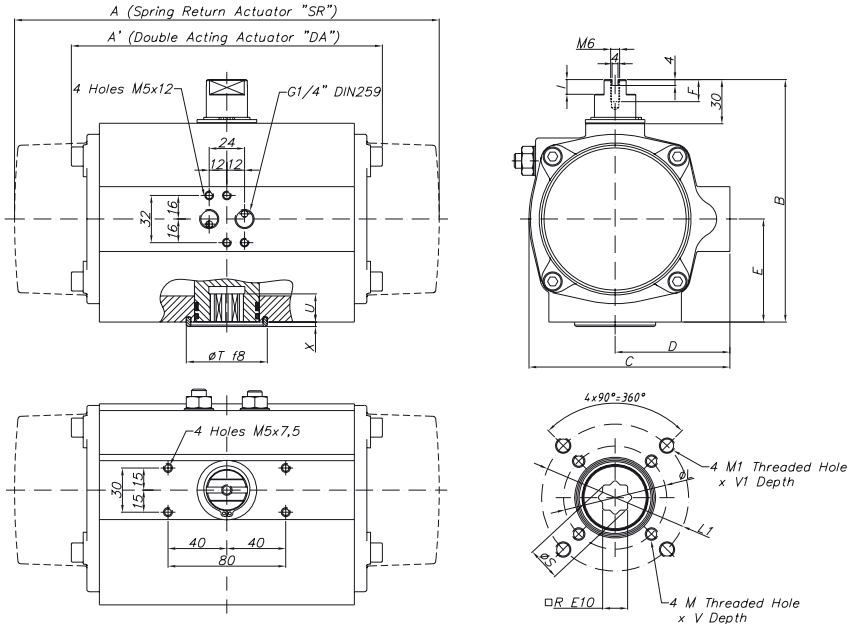


Dimensions*

A	A¹	B	C	D	E	F	I	R	ØS	ISO	ØL	M x V	ISO	ØL¹	M¹ x V¹	ØT	X	U
473	372	221	191,5	106	98	15	15	27	36,5	F10	102	M10 x 17	F12	125	M12 x 20	85	3	40

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	160	4,7	3,86	D 0,8 S 2,2	D 0,9 S 2,6	NBR O-ring -30°...+100°C	FPM O-ring -15°...+150°C	Silicone O-ring -40°...+80°C

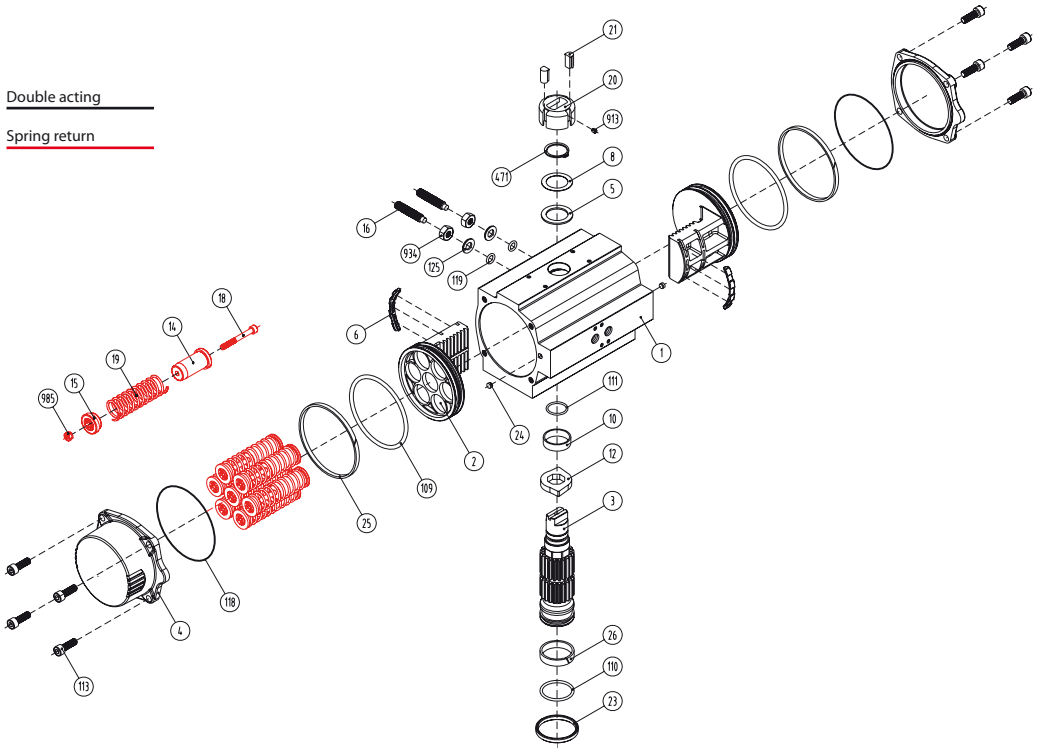
Double acting actuator „DA" torque output in [Nm]

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	359		419		479		538		598		658		718		778		837		957		16,9

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	
S06	260	209	320	269	380	328	440	388	500	448	889	509	619	568	679	627	739	687	858	807	116	177	19,7
S08	227	159	287	218	247	278	407	338	467	398	526	458	586	518	646	577	706	637	826	757	155	236	20,3
S10			254	168	314	228	374	288	434	348	494	408	553	467	613	527	673	587	793	707	193	295	20,9
S12							341	238	401	298	461	358	521	417	580	477	640	537	760	657	232	353	21,6
S14²											428	307	488	367	547	427	607	487	727	607	271	412	22,2

²Standard 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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