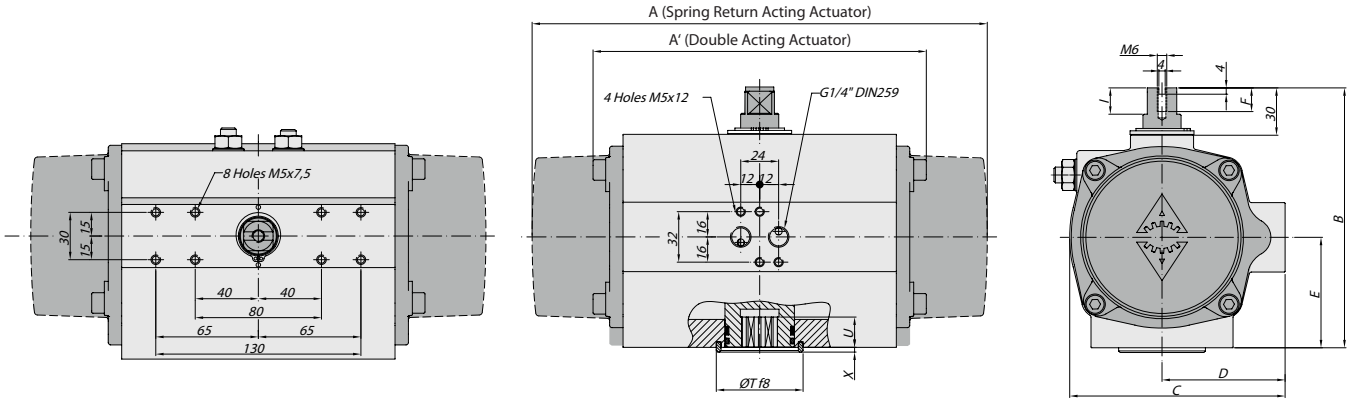


Features

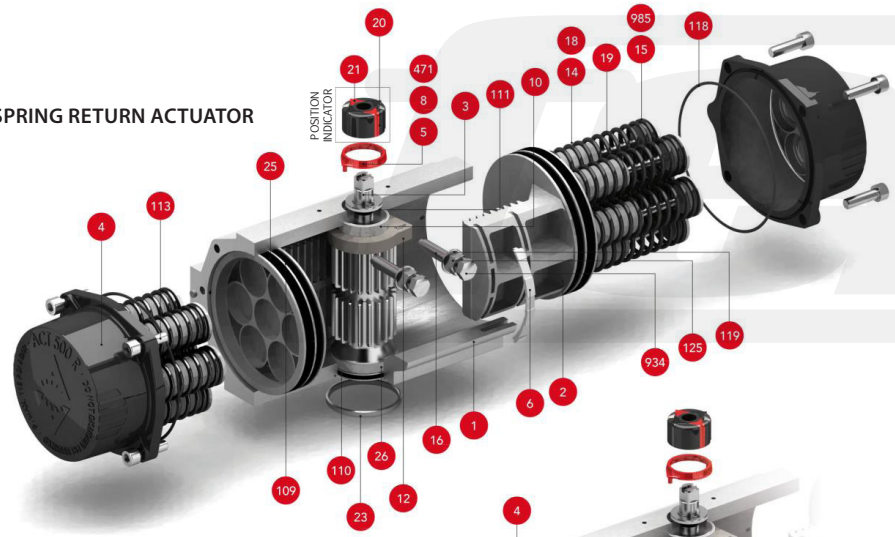
Mounting of solenoid valves	Namur Std.
Mounting of devices	NAMUR VDI/VDE 3845 Std.
Coupling according to	ISO 5211 and DIN 3337
Marking	Ex II 2 GDc | LCIE 05 AR 022
Certificates	ISO 9001 / SIL 3

Materials

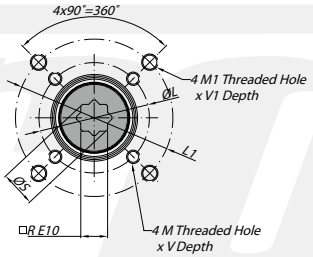
1	**Body**	Aluminium hard anodized
2	**Piston**	Aluminium
3	**Pinion**	Nickel plated carbon steel
4	**End caps**	Aluminium epoxy coated
5	**Soft piston washer**	Polyamide PA 6,6
6	**Slide piston**	Polyamide PA 6,6 + 30% G.F.
8	**Pinion washer**	Stainless steel
10	**Upper pinion bearing**	Polyamide PA 6,6
12	**Stop**	ASTM A 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**	Polyamide PA 6,6
109	**O-ring**	NBR
110	**O-ring**	NBR
111	**O-ring**	NBR
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 series SR

SPRING RETURN ACTUATOR



ISO 5211 DETAIL



Dimensions [mm]

A	A'	B	C	D	E	F	I	R	ØS	ISO 5211	ØL	MxV	ISO 5211	ØL1	M1xV1	ØT	X	U
560	439	249	212,5	116	114	16	18,6	36	48,5	F10	102	M10x17	F14	140	M16x26	100	4	48

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 1/4 turn	180	6,95	4,64	D 1,20 S 2,20	D 1,50 S 2,80	NBR O-ring -30°...+100°C	FPM O-ring -15°...+150°C	Silicone O-ring -40°...+80°C

DA double acting actuator torque output in [Nm]

Type	3 bar		3,5 bar		4 bar		4,5 bar		5 bar		5,5 bar		6 bar		6,5 bar		7 bar		8 bar		Weight [kg]
	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	
D	519		606		692		779		865		952		1038		1125		1211		1384		25,8

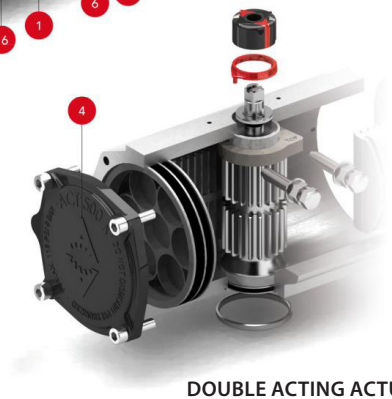
SR spring return actuator torque output in [Nm]

Type	3 bar		3,5 bar		4 bar		4,5 bar		5 bar		5,5 bar		6 bar		6,5 bar		7 bar		8 bar		Spring stroke		Weight [kg]
	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	End	Start	
S06	373	289	460	376	546	462	633	549	720	635	806	722	893	808	979	895	1066	981	1239	1154	171	271	30,1
S08	325	213	411	299	498	386	584	472	671	559	758	645	844	732	931	818	1017	905	1190	1078	229	361	31,1
S10	276	136	363	222	449	309	536	395	622	482	709	569	795	655	882	742	969	828	1142	1001	286	451	32,2
S12					401	232	487	319	574	405	660	492	747	578	833	665	920	751	1093	924	343	541	33,2
S14**									525	329	612	415	698	502	785	588	871	675	1044	848	400	631	34,3

** Standard construction

POSITION INDICATOR

DOUBLE ACTING ACTUATOR



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