



**Features**

Mounting of solenoid valves	Namur Std.
Mounting of devices	NAMUR VDI/VDE 3845 Std.
Coupling according to	ISO 5211 and DIN 3337
Marking	⊕ II 2 GdC   LCIE 05 AR 022
Tests and 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
Leveling screw	Stainless steel
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

**Dimensions [mm]**

A'	B	C	D	E	F	I	R	ØS	ISO 5211	ØL	M x V	ØT	X	U
100	76	56	33	23	9	6	9	12,5	F03	36	M5 x 8	11	2	12

Max. pressure	Rotation	Stroke Time	Chamber Ø (mm)	Air volume (L)		Operating Temperature (°C)		
				Opening	Closing	STD (std.)	HT (high temp.)	LT (low temp.)
10 bar	90° ± 5°	0,03 - 0,07	32	0,035	0,028	NBR O-ring	FPM O-ring	Silicone O-ring
						-30°...+100°C	-15°...+150°C	-40°...+80°C

**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		10 bar		Weight [kg]
	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	
DA	3	3	4	4	4,5	4,5	5,1	5,1	6	6	6,5	6,5	7	7	7,5	7,5	8,2	8,2	9,1	9,1	11	11	0,64