



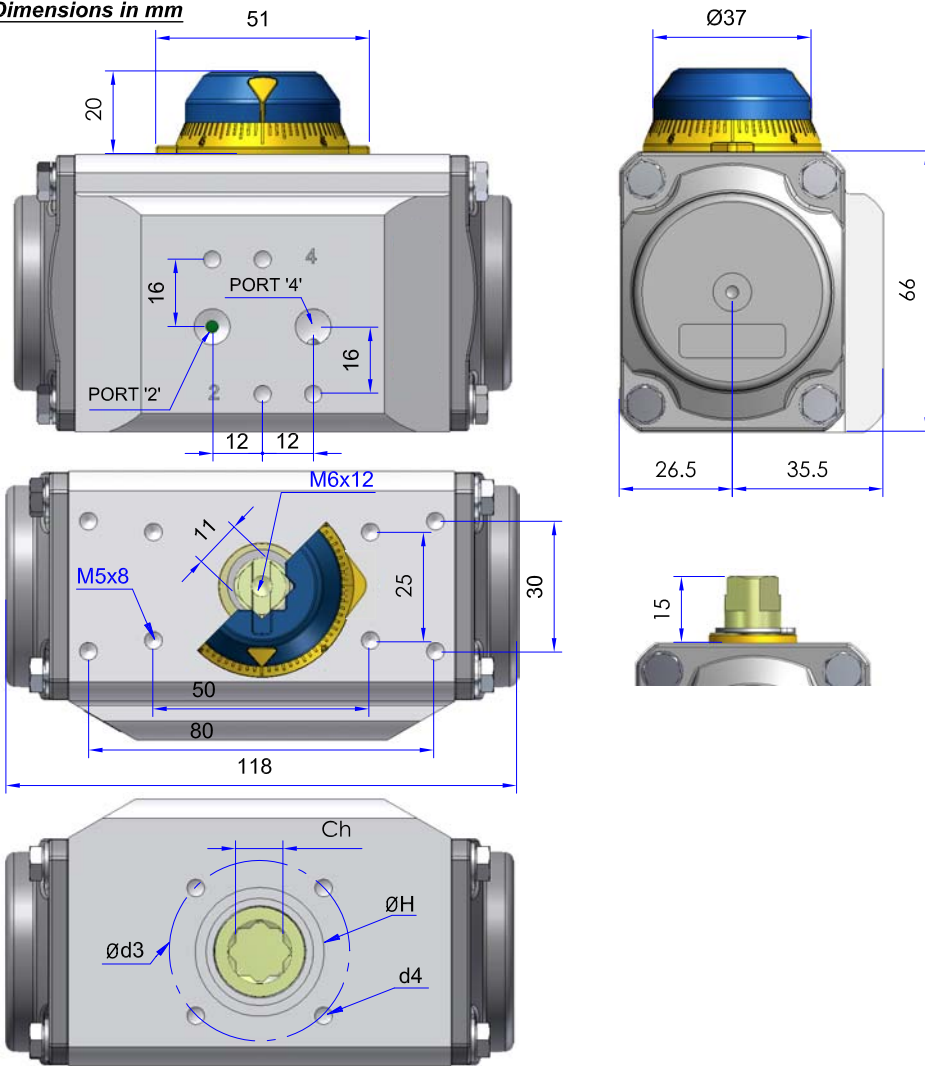
AIR TORQUE

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Model AT045 U
D/S - 90°

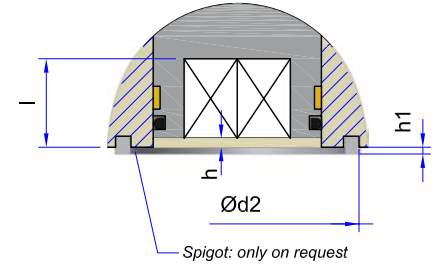
T.D.S. n° **AT045U-DM**
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Dimensions in mm



ISO 5211 Flange Dimensions Available

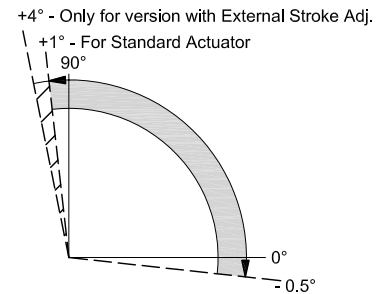
	STD	OPTIONAL
ISO 5211	F04	F03
Ø d2	30	25
Ø d3	42	36
d4	M5x8	M5x8
Ø H	30	25
Ch x l min.	/	
	D DS 9x11 - 11x12	
h min.	0,5	0,5
h1	1,5	2



Connection / Attachment

Pressure connection: Port 2 and 4	G1/8"
Ancillary Attachment	AA 0

Rotation and stroke adjustment (see note C)



Output Torque

Pressure	OUTPUT TORQUE FOR DOUBLE ACTING IN Nm												APPROX. WEIGHT (Kg)
	2,5 bar 0° 90°	3 bar 0° 90°	3,5 bar 0° 90°	4 bar 0° 90°	4,2 bar 0° 90°	4,5 bar 0° 90°	5 bar 0° 90°	5,5 bar 0° 90°	6 bar 0° 90°	7 bar 0° 90°	8 bar 0° 90°		
D	6,0	7,2	8,4	9,6	10,1	10,8	12,0	13,2	14,4	16,8	19,1	0,75	

Pressure	OUTPUT TORQUE FOR SPRING RETURN IN Nm												Spring stroke		APPROX. WEIGHT (Kg)		
	2,5 bar 0° 90°	3 bar 0° 90°	3,5 bar 0° 90°	4 bar 0° 90°	4,2 bar 0° 90°	4,5 bar 0° 90°	5 bar 0° 90°	5,5 bar 0° 90°	6 bar 0° 90°	7 bar 0° 90°	8 bar 0° 90°	90°	0°				
Spring Set	Start End	Start End	Start End	Start End	Start End	Start End	Start End	Start End	Start End	Start End	Start End	Start End	Start End	Start End	Start End	Start End	Start End
S 1-1	4,3 2,9											3,1 1,7		0,86			
S 1-2		4,7 2,4										4,8 2,6		0,87			
S 2-2			4,9 2,0	6,1 3,2	6,6 3,7	7,3 4,4						6,4 3,5		0,88			
S 2-3						6,6 2,8	7,8 4,0	9,0 5,2	10,2 6,4			8,0 4,2		0,89			
S 3-3								8,2 3,6	9,4 4,8	11,8 7,2	14,1 9,5	9,6 5,0		0,90			

Technical Data

Max. Pressure	Rotation (For STD) (c)	Screw stroke Adj. OPTIONAL (c)	Chamber Ø (mm)	Air Volume (L)		Moving Time (Sec.) (A)	
				Opening	Closing	Opening	Closing
8 bar	0° - 90°	See note (C)	45	0,06	0,1	D 0,15 S 0,20	D 0,20 S 0,25

Operating Temperature Range Options

ST (standard)	Operating Temperature (°C) (B)	
	HT (high temperature)	LLT (Extreme low temperature)
- 40 to + 80	- 15 to + 150	- 55 to + 80

A) - The above indicated moving time of the actuator is obtained in the following test conditions: (1) Room Temperature, (2) Actuator Stroke 90°, (3) Solenoid Valve with Orifice of 4 mm and a flow capacity Qn 400 L/min., (4) Inside pipe diameter 8 mm, (5) Medium clean air, (6) Air supply pressure 5,5 bar (79,75 Psi), (7) Actuator without external resistance load. **Caution: obviously on the field applications when one or more of the above parameters are different, the moving time will be different.**

Operating Medium:

The operating medium must be free of dust and oil. The maximum particle size must not exceed 30µ (ISO 8573 Part1, Class5). In order to prevent water condensation and/or solidification (ice when actuator works below 0°C), the operating medium must have a dew point equal to -20°C or at least 10°C below the ambient temperature (ISO 8573 Part1, Class3).