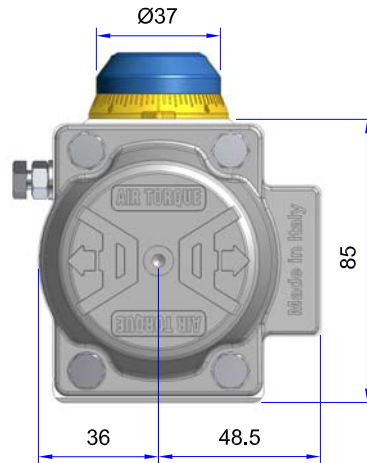
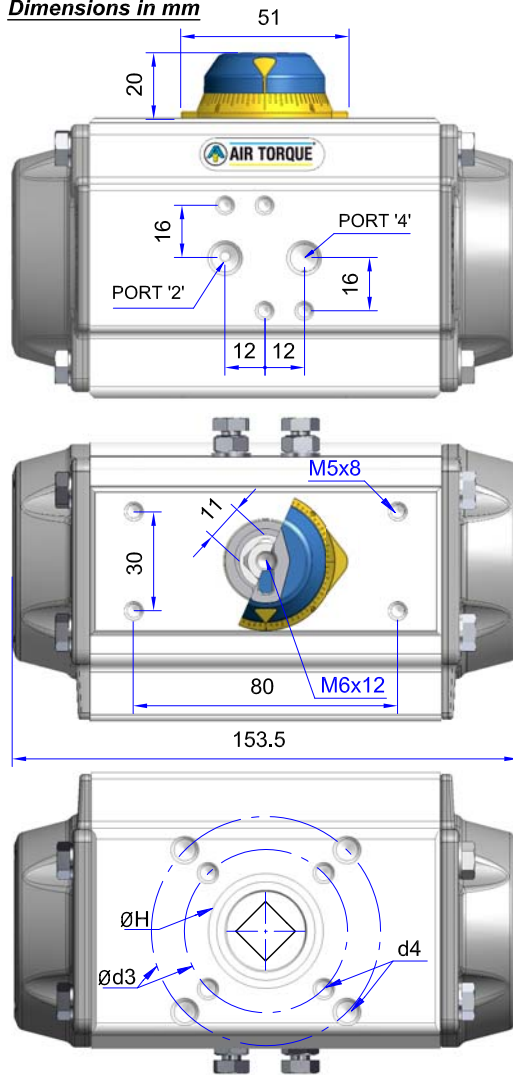
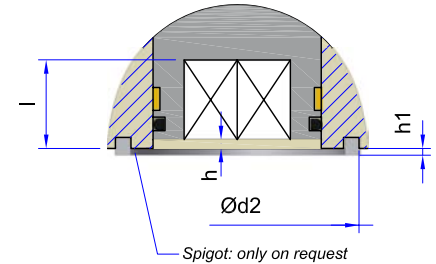


Dimensions in mm



ISO 5211 Flange Dimensions Available

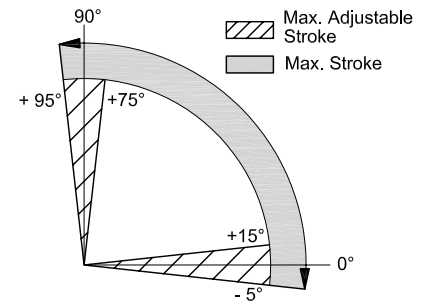
ISO 5211	STD		OPTIONAL				
	F05 + F07	F03 + F05	F04 + F07	F05			
Ø d2	35	NA	25	NA	30	NA	35
Ø d3	50	70	36	50	42	70	50
d4	M6x9	M8x12	M5x8	M6x9	M5x8	M8x12	M6x9
Ø H	35		25		30		35
Ch x l	9x11 - 14x16						
min. DS	11x19 - 14x16						
h min.	0,5	0,5	0,5	0,5	0,5	0,5	0,5
h1	2	NA	1,5	NA	2	NA	2



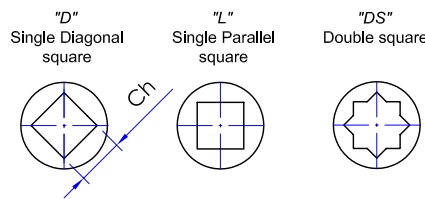
Connection / Attachment

Pressure connection: Port 2 and 4	G1/8"
Ancillary Attachment	AA 1

Rotation and stroke adjustment



Optional Square:



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	14,7	17,6	20,5	23,5	24,6	26,4	29,3	32	35,2	41	46,9	1,61	

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°				
Spring													90° 0°		
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	
S 05	9,1 6,2	12,0 9,2	15,0 12,1	17,9 15	19,1 16,2	20,8 17,9	23,8 20,9							8,4 5,5	1,71
S 06	8,0 4,5	10,9 7,5	13,9 10,4	16,8 13,3	18 14,5	19,7 16,3	22,7 19,2	25,6 22,1						10,1 6,7	1,73
S 07		9,8 5,8	12,8 8,7	15,7 11,6	16,9 12,8	18,6 14,6	21,5 17,5	24,5 20,4	27,4 23,4					11,8 7,8	1,75
S 08			11,6 7	14,6 10,0	15,7 11,1	17,5 12,9	20,4 15,8	23,4 18,7	26,3 21,7	32,2 27,5				13,5 8,9	1,77
S 09				13,5 8,3	15 9,4	16,4 11,2	19,3 14,1	22,3 17,1	25,2 20	31,1 25,9	36,9 31,7			15,2 10	1,79
S 10						15,3 9,5	18,2 12,4	21,1 15,4	24,1 18,3	29,9 24,2	35,8 30			16,9 11,1	1,81
S 11							17,1 10,8	20 13,7	23 16,6	28,8 22,5	34,7 28,3			18,6 12,2	1,83
S 12								18,9 12	21,9 14,9	27,7 20,8	33,6 26,7			20,2 13,3	1,85

Technical Data

Max. Pressure	Rotation (For STD)	Screw stroke Adjustment	Chamber φ (mm)	Air Volume (L)		Moving Time (Sec.) (A)	
				Opening	Closing	Opening	Closing
8 bar	0° - 90°	For 1° adj. need 1/6 Turn	63	0,16	0,26	D 0,25 S 0,30	D 0,30 S 0,35

Operating Temperature Range Options

Operating Temperature (°C) (B)		
ST (standard)	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.**

B) - Every temperature range option requires proper components and lubricant. See technical data-sheet N° T.D.S. U00501E.

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).