



AIR TORQUE®

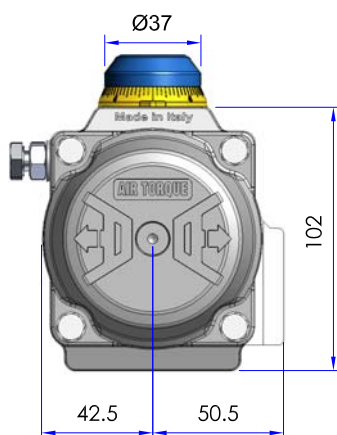
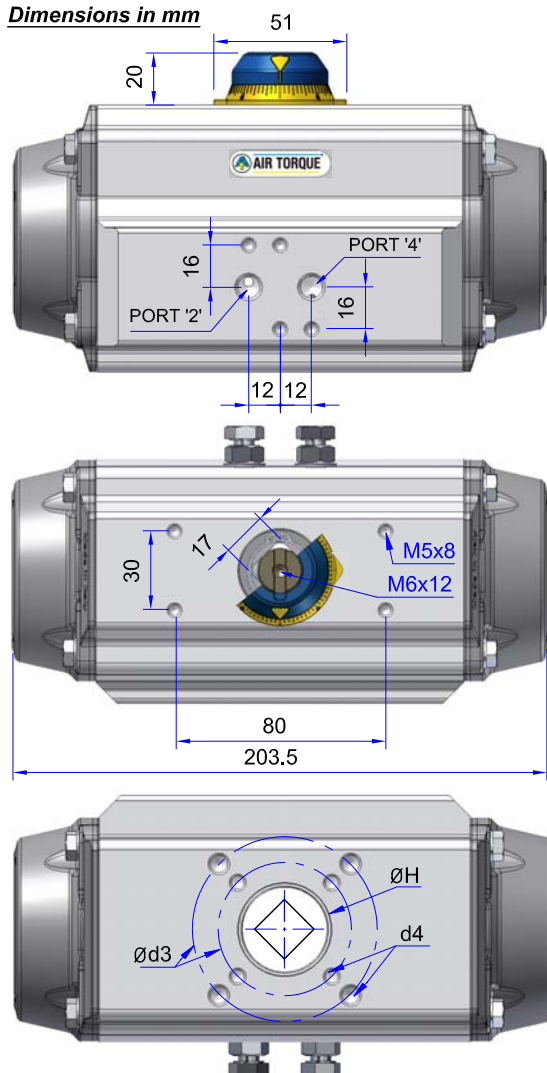
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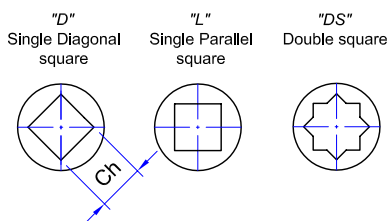
Model AT201 U
D/S - 90°

T.D.S. n° **AT201U-DM**
Issued on: 04/10 - Page 1/1

Dimensions in mm



Optional Square:



Output Torque

OUTPUT TORQUE FOR DOUBLE ACTING IN Nm												APPROX. WEIGHT (Kg)
Pressure	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	29,1	34,9	40,7	46,5	48,9	52,4	58,2	64	69,8	81,4	93,1	2,68

OUTPUT TORQUE FOR SPRING RETURN IN Nm												Spring stroke 90° 0°	APPROX. WEIGHT (Kg)
Pressure	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 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	
S 05	18 11,8	23,8 17,6	29,7 23,4	35,5 29,2	37,8 31,6	41,3 35,0	47,1 40,9					17,3 11,1	2,83
S 06	15,8 8,3	21,6 14,1	27,5 19,9	33,3 25,8	35,6 28,1	39,1 31,6	44,9 37,4	50,7 43,2				20,8 13,3	2,86
S 07		19,4 10,7	25,2 16,5	31,1 22,3	33,4 24,6	36,9 28,1	42,7 33,9	48,5 39,8	54,3 45,6			24,2 15,5	2,89
S 08			23 13	28,8 18,8	31,2 21,2	34,7 24,7	40,5 30,5	46,3 36,3	52,1 42,1	63,7 53,7		27,7 17,7	2,92
S 09				26,6 15,4	29 17,7	32,5 21,2	38,3 27	44,1 32,8	49,9 38,6	61,5 50,3	73,2 61,9	31,2 19,9	2,95
S 10						30,2 17,7	36,1 23,6	41,9 29,4	47,7 35,2	59,3 46,8	71 58,5	34,6 22,1	2,98
S 11							33,8 20,1	39,7 25,9	45,5 31,7	57,1 43,4	68,7 55	38,1 24,3	3,01
S 12								37,5 22,4	43,3 28,3	54,9 39,9	66,5 51,5	41,5 26,5	3,04

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	75	0,31	0,49	D 0,30 S 0,40	D 0,35 S 0,50

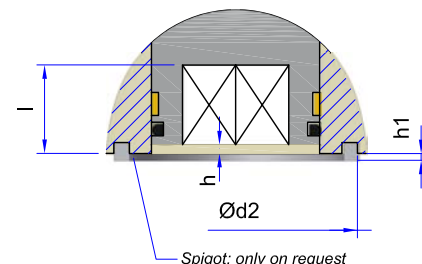
A) - The above indicated moving time of the actuator is obtained in the following test conditions: (1) Room Temperature, (2) Actuator Stroke 90°, (3) Solenoid Valve with Orifice of 4 mm and a flow capacity Qn 400 L/min., (4) Inside pipe diameter 8 mm, (5) Medium clean air, (6) Air supply pressure 5,5 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).

ISO 5211 Flange Dimensions Available

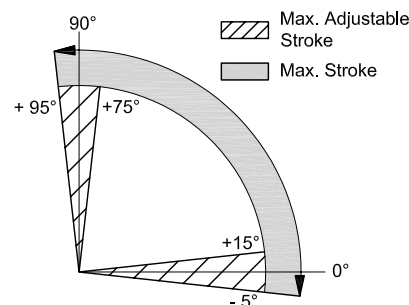
ISO 5211	STD		OPTIONAL	
	F05 + F07	F05	F04 + F07	
Ø d2	35	NA	35	NA
Ø d3	50	70	50	42 70
d4	M6x9	M8x12	M6x9	M5x8 M8x12
Ø H	35	35	35	NA
Ch x l min.	11x19 - 14x16			
DS	14x19 - 17x19			
h min.	0,5	0,5	0,5	0,5 0,5
h1	2	NA	2	NA



Connection / Attachment

Pressure connection: Port 2 and 4	G1/8"
Ancillary Attachment	AA1

Rotation and stroke adjustment



Operating Temperature Range

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

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