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Model AT201 U D/S - 90°

*T.D.S. n° **AT201U-DM***
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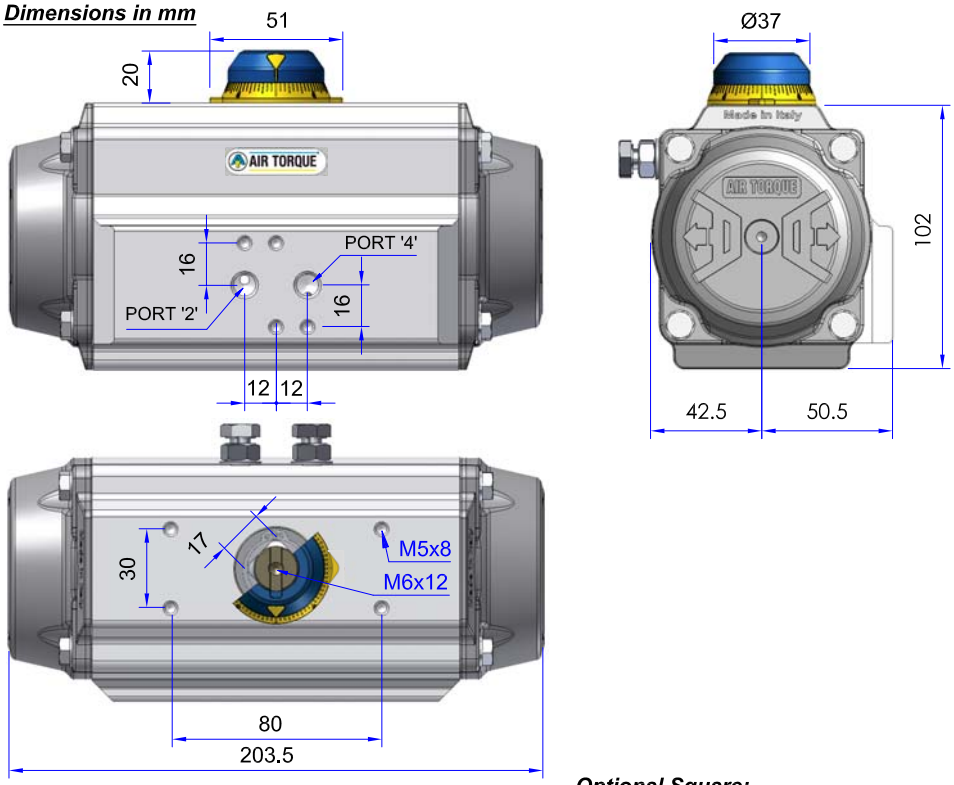
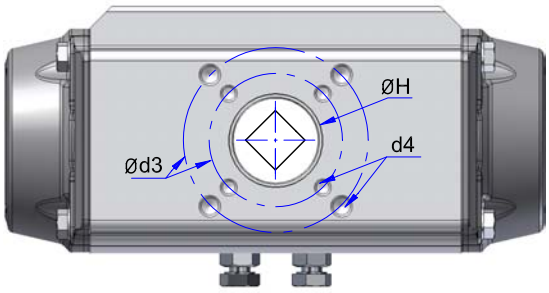
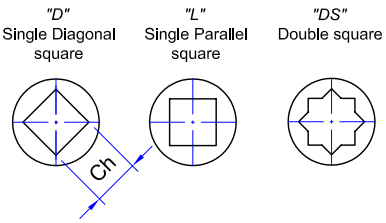
Dimensions in mm



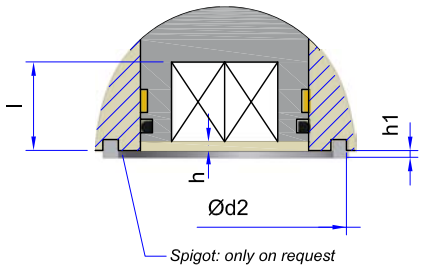


Optional Square:



ISO 5211 Flange Dimensions Available

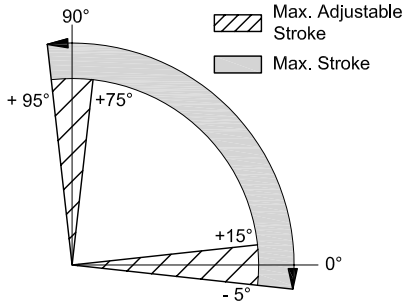
		STD		OPTIONAL		
ISO 5211		**F05 + F07**		F05	F04 + F07	
Ø d2		35	NA	35	NA	
Ø d3		50	70	50	42	70
d4		M6x9	M8x12	M6x9	M5x8	M8x12
Ø H		35		35	NA	
Ch x l min.	**S**	11x19 - 14x16				
	DS	14x19 - 17x19				
h min.		0,5	0,5	0,5	0,5	0,5
h1		2	NA	2	NA	



Connection / Attachment

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

Rotation and stroke adjustment



Output Torque

	OUTPUT TORQUE FOR DOUBLE ACTING IN Nm																				APPROX. WEIGHT (Kg)
Pressure	**2,5 bar**		**3 bar**		**3,5 bar**		**4 bar**		**4,2 bar**		**4,5 bar**		**5 bar**		**5,5 bar**		**6 bar**		**7 bar**		**8 bar**		
	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	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		APPROX. WEIGHT (Kg)
Pressure	**2,5 bar**		**3 bar**		**3,5 bar**		**4 bar**		**4,2 bar**		**4,5 bar**		**5 bar**		**5,5 bar**		**6 bar**		**7 bar**		**8 bar**			
Spring	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	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	
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) Opening	Air Volume (L) Closing	Moving Time (Sec.) (A) Opening	Moving Time (Sec.) (A) 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 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.

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).