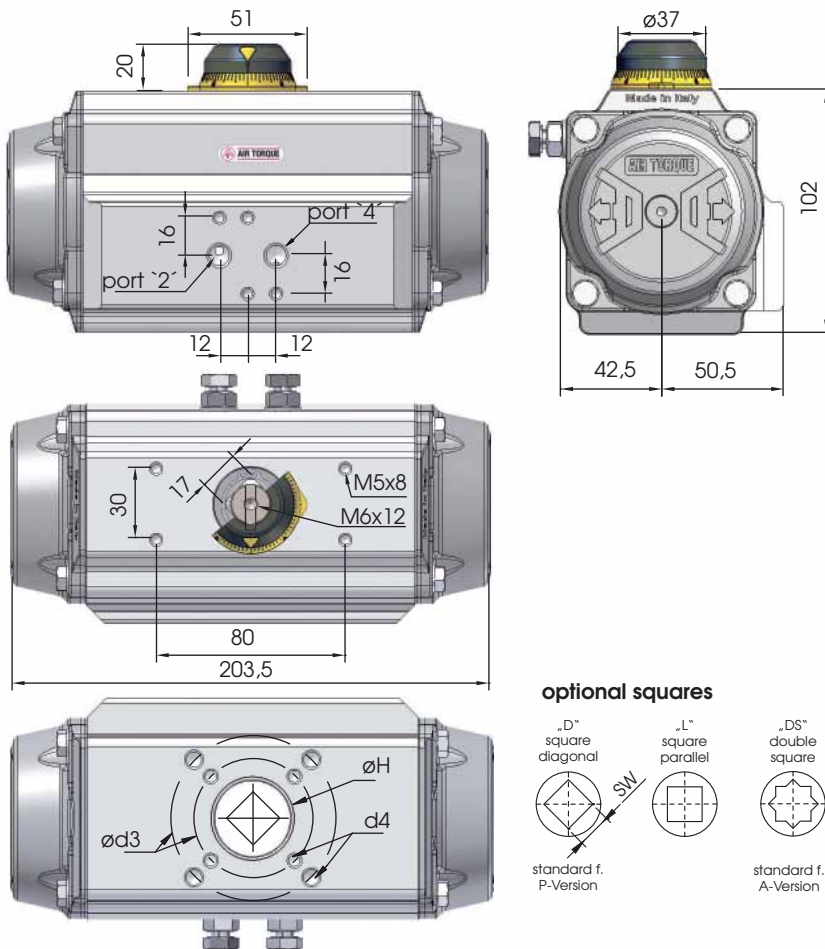
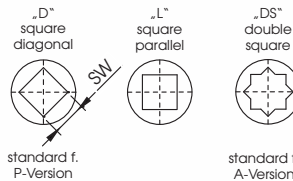




Dimensions in mm



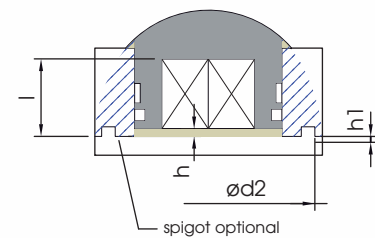
optional squares



ISO 5211 - available flanges

ISO 5211	Standard		optional	
	F05 + F07	F05	F04* + F07	
Ø d2	35	-	35	-
Ø d3	50	70	50	42 70
d4	M6x9	M8x12	M6x9	M5x8 M8x12
Ø H	35	35	-	-
SW x l min.	D	-	11 x 18 - 14 x 16	
	DS	14 x 18	14 x 18 - 17 x 18	
h min.	0,5	0,5	0,5	0,5
h1	2	-	2	-

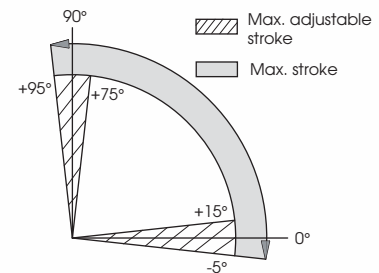
*before selecting the flange connection please consider the indications of standard n° 5211 on page 0911 of our manual for op. and maintenance



Connection / Attachment

Pressure connection port 2 and 4	G1/8"
Ancillaries attachment	AA 1

Rotation and stroke adjustment



Pressure	Output torque for double acting and spring return in Nm												Spring	approx.										
	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		torque 90° 0°	weight in kg
	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°		
DR	29.1		34.9		40.7		46.5		48.9		52.4		58.2		64		69.8		81.4		93.1		-	2.68

SC 2/3	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
SC 3	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
SC 3/4			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
SC 4					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
SC 4/5							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
SC 5											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
SC 5/6													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
SC 6															37,5	22,4	43,3	28,3	54,9	39,9	66,5	51,5			41,5	26,5	3,04

Pressure max.	Rotation (STD) (°C)	Screw stroke adjustment	Chamber Ø (mm)	Air volume (L)		Moving time (sec.) (A)	
				OPEN	CLOSE	OPEN	CLOSE
8 bar	0° - 90°	for 1° 1/6 rotation	75	0,31	0,49	D 0,30 S 0,40	D 0,35 S 0,50

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 under the following test conditions: (1) room temperature, (2) actuator stroke 90°, (3) solenoid valve with Ø 4 mm and flow capacity Qn 400 L/min., (4) inside pipe Ø 8 mm, (5) medium clean air, (6) air supply pressure 5,5 bar (79,75 Psi), (7) actuator without external resistance load. **Caution:** It has to be expected, e.g. for 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)

(B) Every temperature range option requires proper components and lubricant. Please contact Air Torque GmbH.