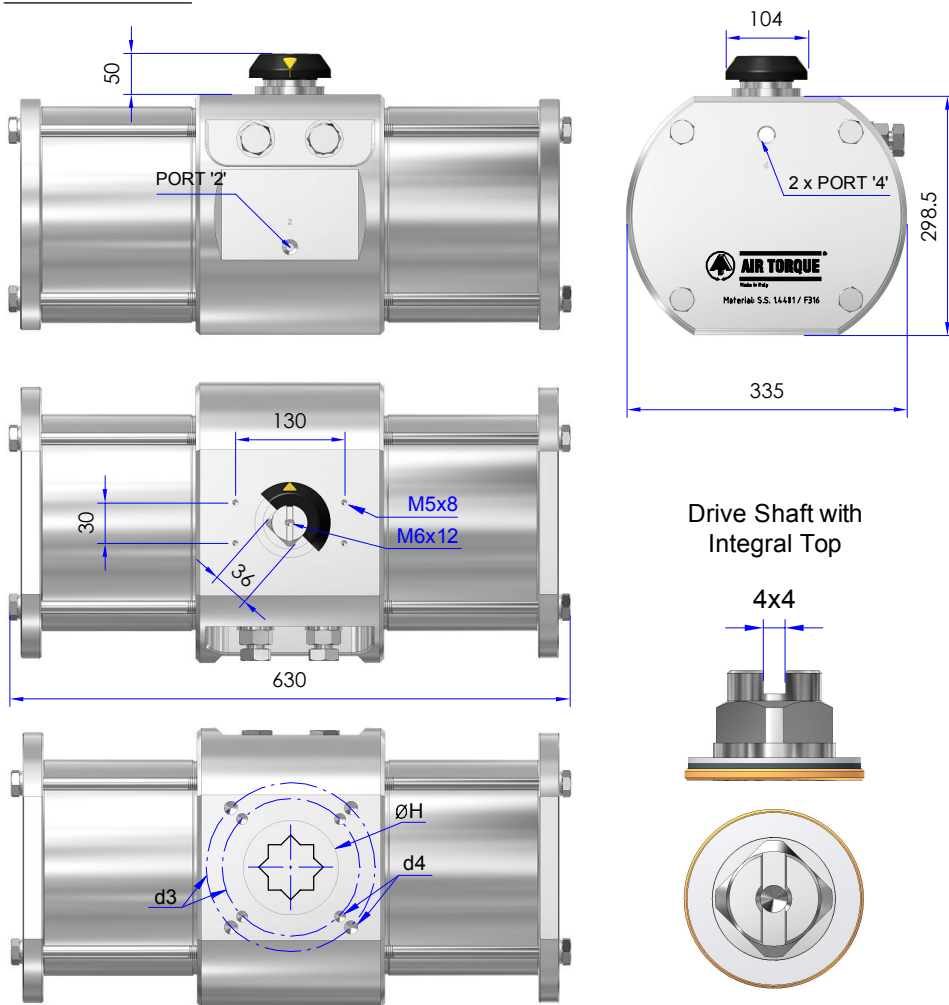
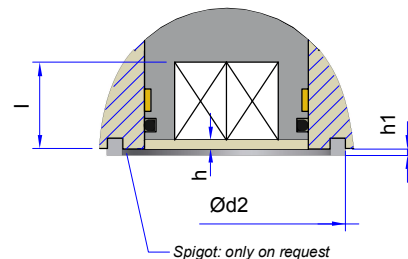


Dimensions in mm



ISO 5211 Flange Dimensions

ISO 5211	STD		OPTIONAL
	F12 + F16	F14	
Ø d2	NA		
Ø d3	125	165	140
d4	M12x18	M20x30	M16x24
Ø H	93		
Ch x l min.	DS36x39 - DS46x49		
h min.	2,5	2,5	2,5
h1	NA	1,5	1,5

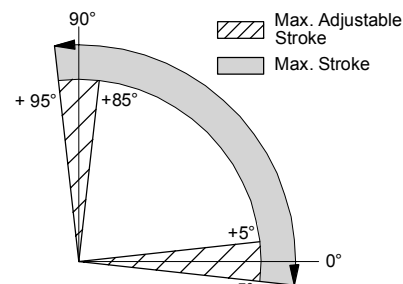


Connection / Attachment

Pressure connection: Port 2 and 4	G3/8**
Ancillary Attachment	AA 4

*NPT (ANSI B1-20-1) threads available on request

Rotation and stroke adjustment



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°	8 bar 0° 90°	
D	893	1072	1251	1430	1501	1608	1787	1966	2144	2502	2859	2859	124,8

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°	8 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
S 05	533 372	712 551	890 730	1069 908	1141 980	1248 1087	1426 1266							521 360	130,8
S 06	461 268	640 447	818 625	997 804	1068 876	1176 983	1354 1162	1533 1340						625 433	131,9
S 07		568 343	746 521	925 700	996 771	1104 879	1282 1057	1461 1236	1640 1415					730 505	133,1
S 08			674 417	853 596	924 667	1032 774	1210 953	1389 1132	1568 1310	1925 1668				834 577	134,3
S 09				781 491	852 563	959 670	1138 849	1317 1028	1495 1206	1853 1564	2210 1921			938 649	135,5
S 10						887 566	1066 745	1245 923	1423 1102	1781 1459	2138 1817			1042 721	136,7
S 11							994 640	1173 819	1351 998	1709 1355	2066 1713			1146 793	137,9
S 12								1101 715	1279 894	1637 1251	1994 1608			1251 865	139,1

Technical Data

Max. Pressure	Rotation	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 1/4 Turn	240	10	15,2	D 3,5 S 4,1	D 4,0 S 4,6

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

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 11 mm and a flow capacity Qn 6000 L/min., (4) Inside pipe diameter 11 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. S00501E.

Operating Medium:

The operating medium must be free of dust and oil. The maximum particle size must not exceed 30 μ (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).