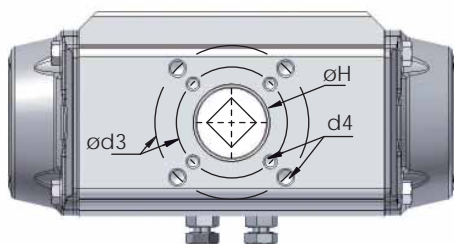
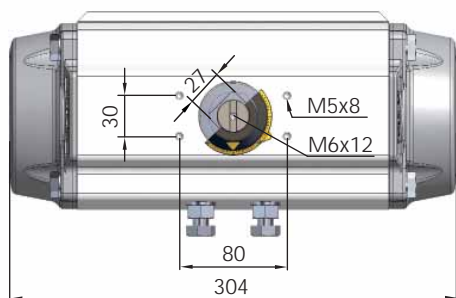
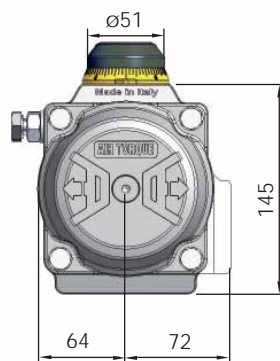
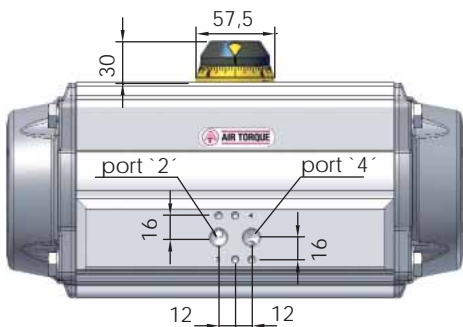
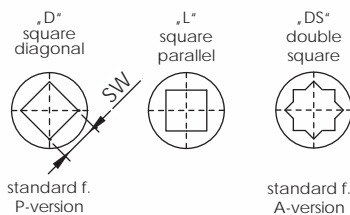




Dimensions in mm



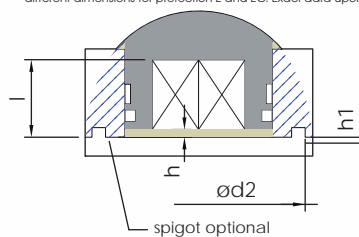
optional squares



ISO 5211 - available flanges

| ISO 5211 | Standard | | optional |
|-------------|------------|-----------|---------------------|
| | F07* + F10 | F10 | F10 |
| Ø d2 | 55 | - | 70 |
| Ø d3 | 70 | 102 | 102 |
| d4 | M8x12 | M10x15 | M10 x 15 |
| Ø H | 55 | | 70 |
| SW x l min. | D | - | 22 x 25 |
| | DS | 22 x 32** | 17 x 25 - 22 x 32** |
| h min. | 1,5 | 1,5 | 1,5 |
| h1 | 2 | - | 2 |

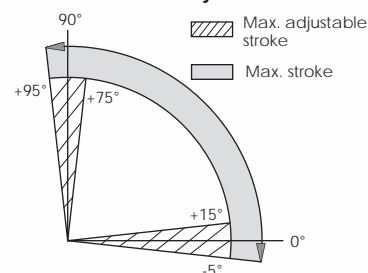
*before selecting the flange connection please consider the indications of standard n° 5211 on page 0911 of our manual for op. and maintenance
 ** different dimensions for protection E and ECI Exact data upon request.



Connection / Attachment

| | |
|----------------------------------|-------|
| Pressure connection port 2 and 4 | G1/4" |
| Ancillaries attachment | AA 2 |

Rotation and stroke adjustment



| Pressure | Output torque for double acting and spring return in Nm | | | | | | | | | | | | Spring torque | approx. weight in kg | | | | | | | | | | |
|----------|---|-----|-------|-----|---------|-----|-------|-----|---------|-----|---------|-----|---------------|----------------------|-------|-----|---------|-----|-------|-----|-------|-----|-------|-----|
| | 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° |
| DR | 107 | 129 | 150 | 172 | 181 | 193 | 215 | 236 | 258 | 301 | 344 | - | 8,07 | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------|------|------|------|------|------|------|------|------|-----|------|-----|------|-----|------|-----|------|-----|------|-------|-----|-------|-----|------|-----|------|------|------|------|
| SC 2/3 | 66,5 | 41,9 | 87,9 | 63,4 | 109 | 84,9 | 131 | 106 | 140 | 115 | 152 | 128 | 174 | 149 | | | | | | | | | 65,5 | 41 | 8,62 | | | |
| SC 3 | 58,3 | 28,8 | 79,7 | 50,3 | 101 | 71,8 | 123 | 93,3 | 131 | 102 | 144 | 115 | 166 | 136 | 187 | 158 | | | | | | | | | 78,6 | 49,2 | 8,73 | |
| SC 3/4 | | | 71,5 | 37,2 | 93 | 58,7 | 115 | 80,2 | 123 | 88,8 | 136 | 102 | 158 | 123 | 179 | 145 | 200 | 166 | | | | | | | | 91,7 | 57,4 | 8,84 |
| SC 4 | | | | | 84,8 | 45,6 | 106 | 67,1 | 115 | 75,7 | 128 | 88,6 | 149 | 110 | 171 | 132 | 192 | 153 | 235,3 | 196 | | | | | | 105 | 65,6 | 8,95 |
| SC 4/5 | | | | | | | 98,1 | 54 | 107 | 62,6 | 120 | 75,5 | 141 | 97 | 163 | 118 | 184 | 140 | 227,1 | 183 | 270 | 226 | | | | 118 | 73,8 | 9,06 |
| SC 5 | | | | | | | | | | | 111 | 62,4 | 133 | 83,9 | 154 | 105 | 176 | 127 | 218,9 | 170 | 262 | 213 | | | | 131 | 82 | 9,17 |
| SC 5/6 | | | | | | | | | | | | | 125 | 70,8 | 146 | 92,3 | 168 | 114 | 210,7 | 157 | 254 | 200 | | | | 144 | 90,2 | 9,28 |
| SC 6 | | | | | | | | | | | | | | | | | 138 | 79,2 | 159 | 101 | 202,5 | 144 | 245 | 187 | | 157 | 98,4 | 9,39 |

| 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° 1/5 rotation | 115 | 1,19 | 1,8 | D 0,70 S 0,90 | D 0,80 S 1,10 |

| 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.

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

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)