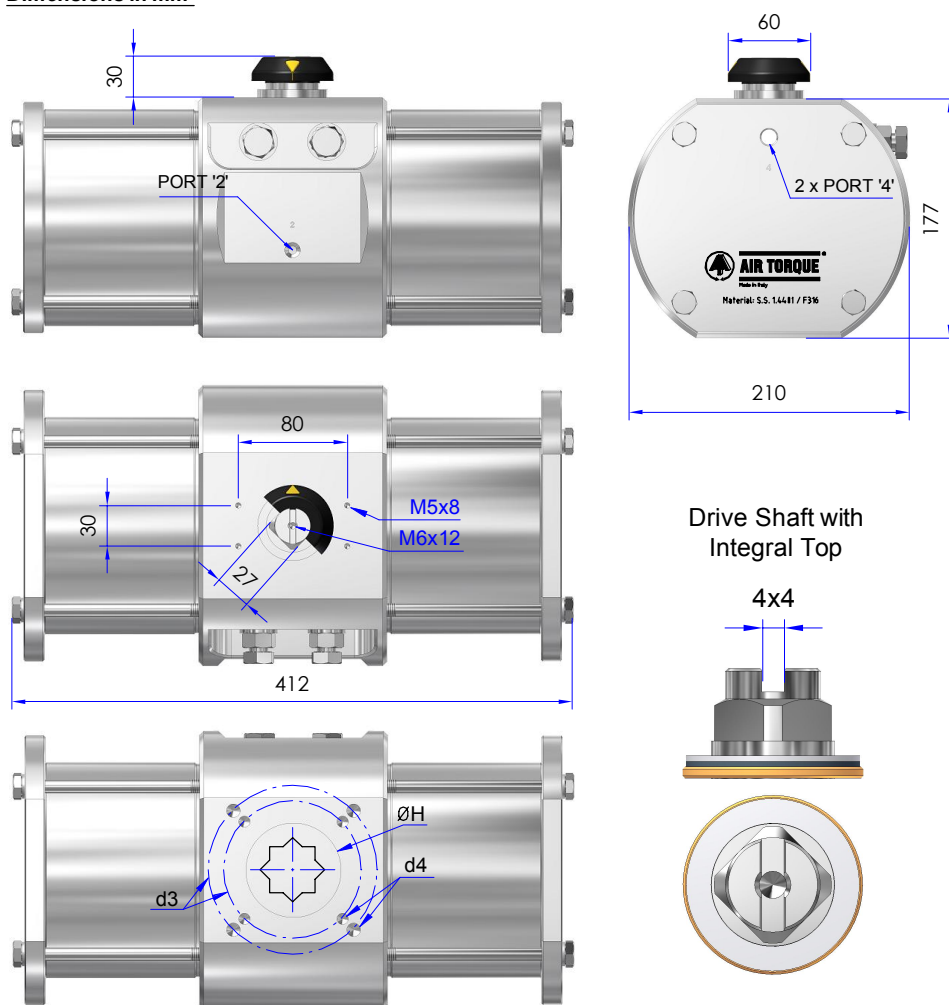
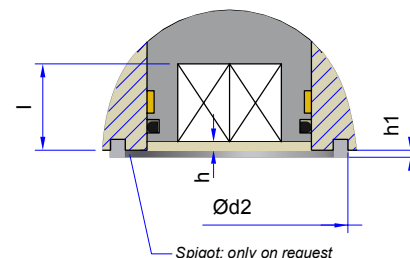


Dimensions in mm



ISO 5211 Flange Dimensions Available

| ISO 5211 | STD | |
|-------------|-----------|--------|
| | F10 + F12 | |
| Ø d2 | 70 | NA |
| d3 | 102 | 125 |
| Ø d4 | M10x15 | M12x18 |
| Ø H | 70 | |
| Ch x l min. | DS27x29 | |
| h min. | 1,5 | 1,5 |
| h1 | 3 | NA |

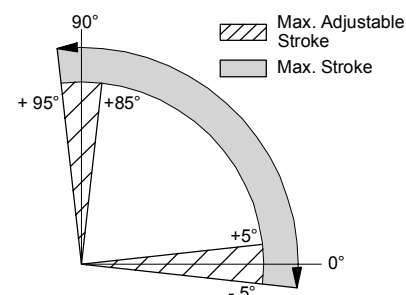


Connection / Attachment

| | |
|-----------------------------------|---------------|
| Pressure connection: Port 2 and 4 | G1/4** |
| Ancillary Attachment | AA 2 |

*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° | | |
| D | 217 | 261 | 304 | 348 | 365 | 391 | 435 | 478 | 522 | 609 | 696 | 34,6 | |

| Pressure | OUTPUT TORQUE FOR SPRING RETURN IN Nm | | | | | | | | | | | | Spring stroke 90° 0° | 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° | | | | |
| 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 | |
| S 05 | 135 88,6 | 179 132 | 222 176 | 265 219 | 283 236 | 309 262 | 352 306 | | | | | | | 129 82,4 | 35,9 |
| S 06 | 119 62,8 | 162 106 | 206 150 | 249 193 | 266 211 | 293 237 | 336 280 | 379 324 | | | | | | 155 99 | 36,2 |
| S 07 | | 146 80,5 | 189 124 | 233 167 | 250 185 | 276 211 | 320 254 | 363 298 | 406 341 | | | | | 180 115 | 36,4 |
| S 08 | | | 173 98,2 | 216 142 | 233 159 | 260 185 | 303 229 | 347 272 | 390 316 | 477 403 | | | | 206 132 | 36,7 |
| S 09 | | | | 200 116 | 217 133 | 243 159 | 287 203 | 330 246 | 374 290 | 460 377 | 547 464 | | | 232 148 | 36,9 |
| S 10 | | | | | | 227 134 | 270 177 | 314 221 | 357 264 | 444 351 | 531 438 | | | 258 165 | 37,2 |
| S 11 | | | | | | | 254 151 | 297 195 | 341 238 | 428 325 | 515 412 | | | 283 181 | 37,5 |
| S 12 | | | | | | | | 281 169 | 324 213 | 411 299 | 498 386 | | | 309 198 | 37,7 |

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 1/4 Turn | 145 | 2,41 | 3,78 | D 1,2 S 1,5 | D 1,4 S 1,8 |

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 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.**

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).