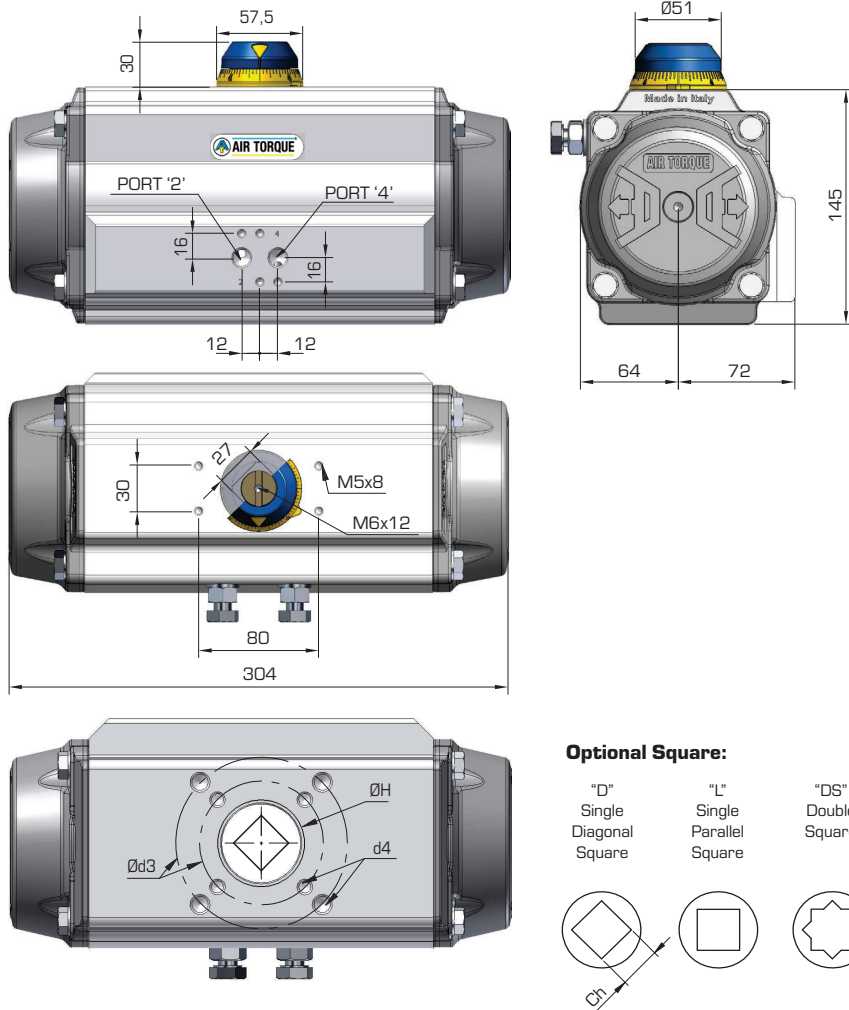
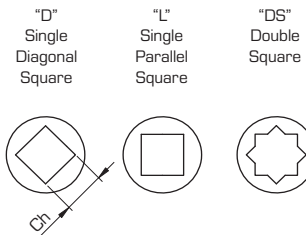




## Dimensions in mm



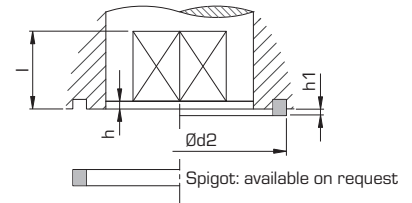
### Optional Square:



## ISO 5211 Interface:

|          | STD           |        | OPTIONAL |
|----------|---------------|--------|----------|
| ISO 5211 | F07 + F10     |        | F10      |
| Ø d2     | 55            | NA     | 70       |
| Ø d3     | 70            | 102    | 102      |
| d4       | M8x12         | M10x15 | M10x15   |
| Ø H      | 55            |        | 70       |
| Ch x I   | 14x19 - 22x24 |        |          |
| min. [*] | 17x25 - 22x24 |        |          |
| h min.   | 1,5           | 1,5    | 1,5      |
| h1       | 2             | NA     | 2        |

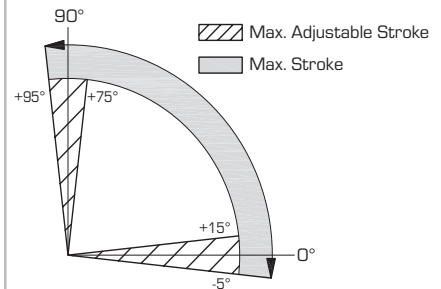
[\*] Other type and sizes of shaft connection available upon request.



## Connection / Attachment:

|                                  |       |
|----------------------------------|-------|
| Pressure connection Port 2 and 4 | G1/4" |
| Ancillary Attachment             | AA2   |

## Rotation and stroke adjustment:



## OUTPUT TORQUE FOR DOUBLE ACTING IN Nm (\*\*)

| 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 |     | APPROX. WEIGHT (Kg) |
|----------|---------|-----|-------|-----|---------|-----|-------|-----|---------|-----|---------|-----|-------|-----|---------|-----|-------|-----|-------|-----|-------|-----|---------------------|
|          | 0°      | 90° | 0°    | 90° | 0°      | 90° | 0°    | 90° | 0°      | 90° | 0°      | 90° | 0°    | 90° | 0°      | 90° | 0°    | 90° | 0°    | 90° | 0°    | 90° |                     |
| D        | 107     |     | 129   |     | 150     |     | 172   |     | 181     |     | 193     |     | 215   |     | 236     |     | 258   |     | 301   |     | 344   |     | 8,07                |

## OUTPUT TORQUE FOR SPRING RETURN IN Nm (\*\*)

| 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 Stroke |        | APPROX. WEIGHT (Kg) |
|------------|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|---------------|--------|---------------------|
| Spring Set | 0° Start | 90° End | 0° Start | 90° End | 0° Start | 90° End | 0° Start | 90° End | 0° Start | 90° End | 0° Start | 90° End | 0° Start | 90° End | 0° Start | 90° End | 0° Start | 90° End | 0° Start | 90° End | 0° Start | 90° End | 90° Start     | 0° End |                     |
| S 05       | 66,5     | 41,9    | 87,9     | 63,4    | 109,4    | 84,9    | 131      | 106     | 140      | 115     | 152      | 128     | 174      | 149     |          |         |          |         |          |         |          |         | 65,5          | 41     | 8,68                |
| S 06       | 58,3     | 28,8    | 79,7     | 50,3    | 101,2    | 71,8    | 123      | 93,3    | 131      | 102     | 144      | 115     | 166      | 136     | 187      | 158     |          |         |          |         |          |         | 78,6          | 49,2   |                     |
| S 07       |          |         | 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   | 8,90                |
| S 08       |          |         |          |         | 84,8     | 45,6    | 106      | 67,1    | 115      | 75,7    | 128      | 88,6    | 149      | 110     | 171      | 132     | 192      | 153     | 235      | 196     |          |         | 105           | 65,6   |                     |
| S 09       |          |         |          |         |          |         | 98,1     | 54      | 107      | 62,6    | 120      | 75      | 141      | 97      | 163      | 118     | 184      | 140     | 227      | 183     | 270      | 226     | 118           | 73,8   | 8,10                |
| S 10       |          |         |          |         |          |         |          |         |          |         | 111      | 62,4    | 133      | 83,9    | 154      | 105     | 176      | 127     | 219      | 170     | 262      | 213     | 131           | 82     |                     |
| S 11       |          |         |          |         |          |         |          |         |          |         |          |         | 125      | 70,8    | 146      | 92,3    | 168      | 114     | 211      | 157     | 254      | 200     | 144           | 90,2   | 8,33                |
| S 12       |          |         |          |         |          |         |          |         |          |         |          |         |          |         | 138      | 79,2    | 159      | 101     | 202      | 144     | 245      | 187     | 157           | 98,4   |                     |

[\*\*] Nominal Output Torque

## Technical data

| Max. Pressure | Rotation (for STD) | Screw Stroke Adjustment   | Ø Chamber (mm) | Air volume (L)              | Approx. Stroking time (sec.) (A) |                              |   |  | Operating temperature range (°C) (B) |             |            |
|---------------|--------------------|---------------------------|----------------|-----------------------------|----------------------------------|------------------------------|---|--|--------------------------------------|-------------|------------|
|               |                    |                           |                |                             | D                                |                              | S |  | ST                                   | HT          | LLT2       |
| 8 bar         | 0° - 90°           | For 1° adj. need 1/5 Turn | 115            | opening 1,19<br>closing 1,8 | opening 0,70<br>closing 0,80     | opening 0,90<br>closing 1,10 |   |  | -40 to +80                           | -15 to +150 | -60 to +80 |

(A) The values refer to specific test conditions; please contact AIR TORQUE for detailed information.

(B) Every temperature range option requires proper components and lubricant. please contact AIR TORQUE for detailed information.

## 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).

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