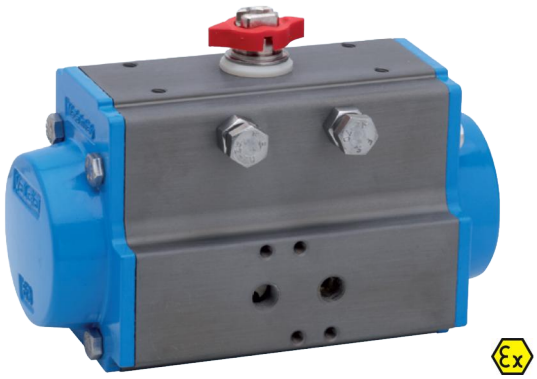
# PNEUMATIC ACTUATORS

BONOMI SCANDINAVIA

## Double acting actuator, 0-90°



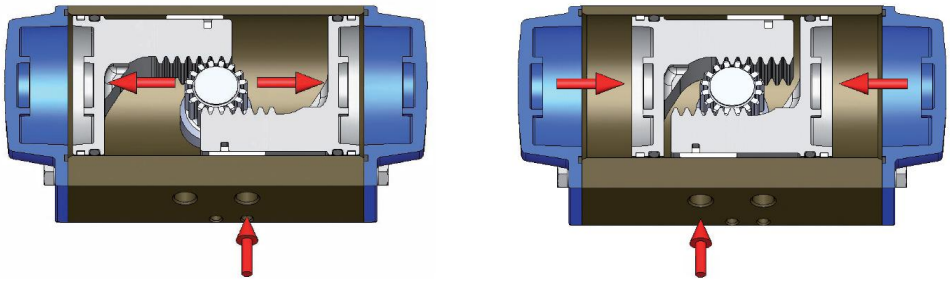
## DA

Actuator for the automation of ball valves and butterfly valves.
Mounting pattern according to ISO5211.
Double acting: Air open the valve. Air close the valve.
Solenoid and switchbox connection according to Namur norm.
The actuator is certified SIL3.

## Technical Specification

| | |
|---|---|
| Air supply pressure: | 2,5 - 8 bar |
| Temperature range: | -20...+85°C |
| Stroke adjustment: | Open and closed position ±5° |
| Body: | Extruded aluminium UNI6060. Hard coat anodized. |
| End caps: | Die cast aluminium. Polyester coated. |
| Pinion: | Nichel-plated steel. |
| Pistons: | Die cast aluminium. |
| Seals: | NBR and POM |
| ATEX: | II 2 G/D c T6 |

## Operating principle



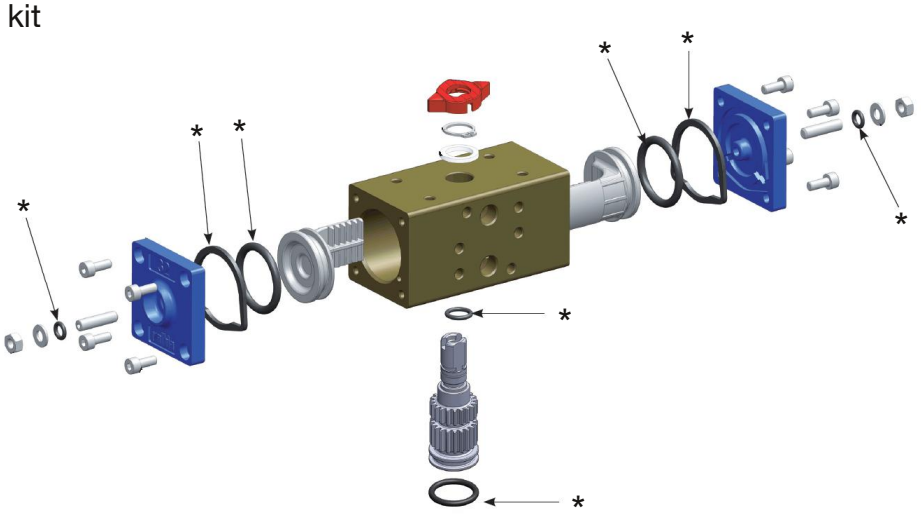
## Torque (Nm)

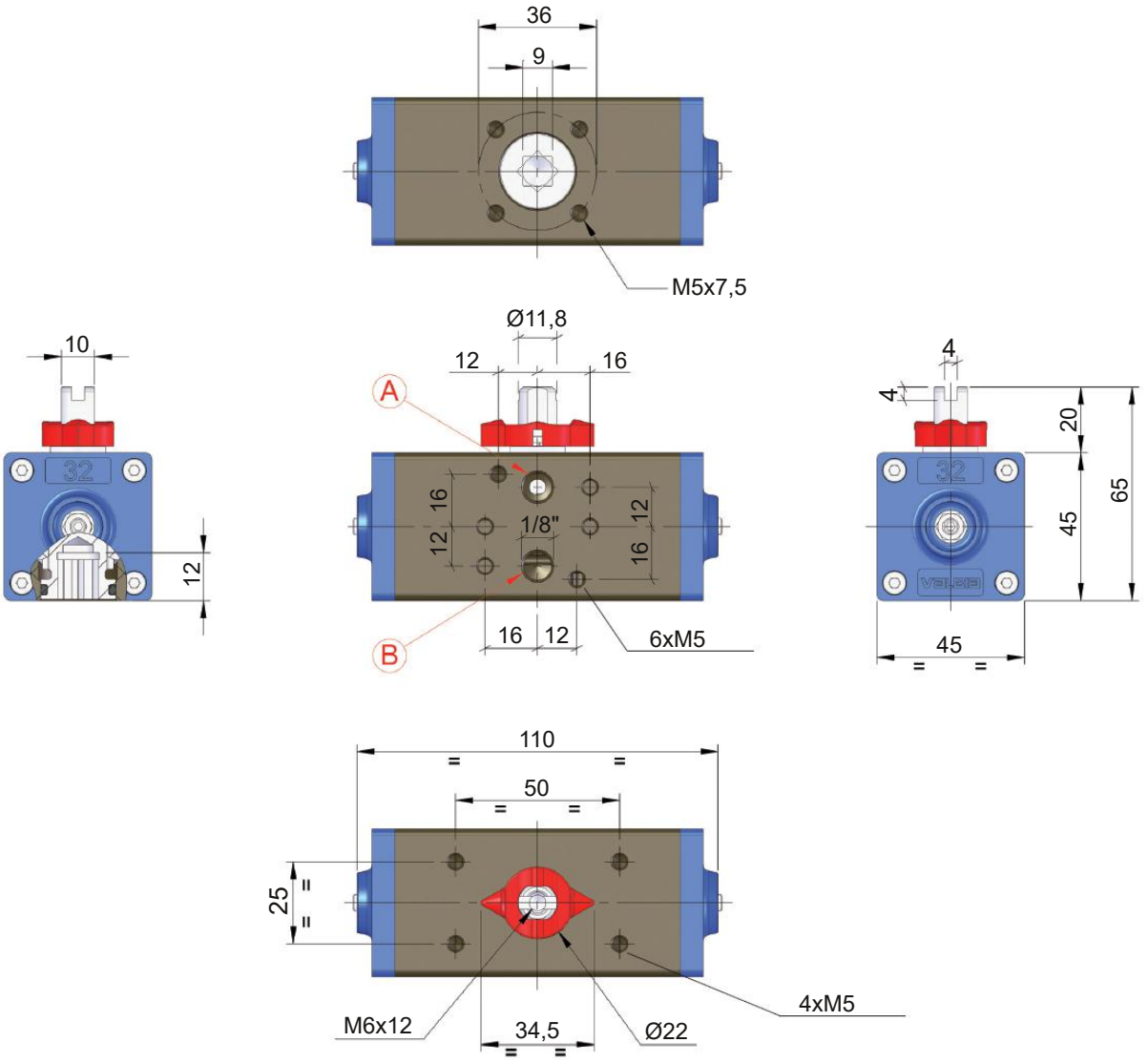
| Supply pressure (bar) | 2,5 | 3,0 | 4,0 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 |
|---|---|---|---|---|---|---|---|---|
| Type | | | | | | | | |
| DA032 | 3,5 | 4,2 | 6,0 | 7,5 | 8,0 | 9,0 | 10,0 | 11,5 |
| DA052 | 9,0 | 11,0 | 14,5 | 18,5 | 20,0 | 22,0 | 26,0 | 30,0 |
| DA063 | 15,5 | 19,0 | 26,0 | 33,0 | 36,0 | 39,5 | 46,5 | 53,5 |
| DA075 | 29,0 | 35,0 | 47,5 | 60,0 | 66,0 | 72,0 | 84,5 | 97,0 |
| DA085 | 41,5 | 50,5 | 68,5 | 87,0 | 96,0 | 105,0 | 123,0 | 141,0 |
| DA100 | 66,0 | 80,0 | 108,0 | 136,0 | 150,0 | 164,5 | 193,0 | 221,0 |
| DA115 | 109,0 | 132,0 | 179,0 | 226,0 | 249,0 | 272,0 | 319,0 | 366,0 |
| DA125 | 143,5 | 174,0 | 235,0 | 297,0 | 327,0 | 358,0 | 419,0 | 481,0 |
| DA140 | 205,0 | 246,0 | 328,0 | 410,0 | 451,0 | 493,0 | 575,0 | 657,0 |
| DA160 | 287,0 | 344,0 | 458,0 | 573,0 | 630,0 | 688,0 | 802,0 | 917,0 |
| DA180 | 395,0 | 474,0 | 632,0 | 789,0 | 868,0 | 947,0 | 1105,0 | 1263,0 |
| DA200 | 532,0 | 638,0 | 851,0 | 1063,0 | 1170,0 | 1276,0 | 1489,0 | 1701,0 |
| DA230 | 879,0 | 1055,0 | 1406,0 | 1758,0 | 1934,0 | 2109,0 | 2461,0 | 2812,0 |
| DA270 | 1292,0 | 1550,0 | 2067,0 | 2584,0 | 2842,0 | 3101,0 | 3617,0 | 4134,0 |
| DA330 | 2299,0 | 2759,0 | 3679,0 | 4599,0 | 5059,0 | 5519,0 | 6438,0 | 7358,0 |

## Options

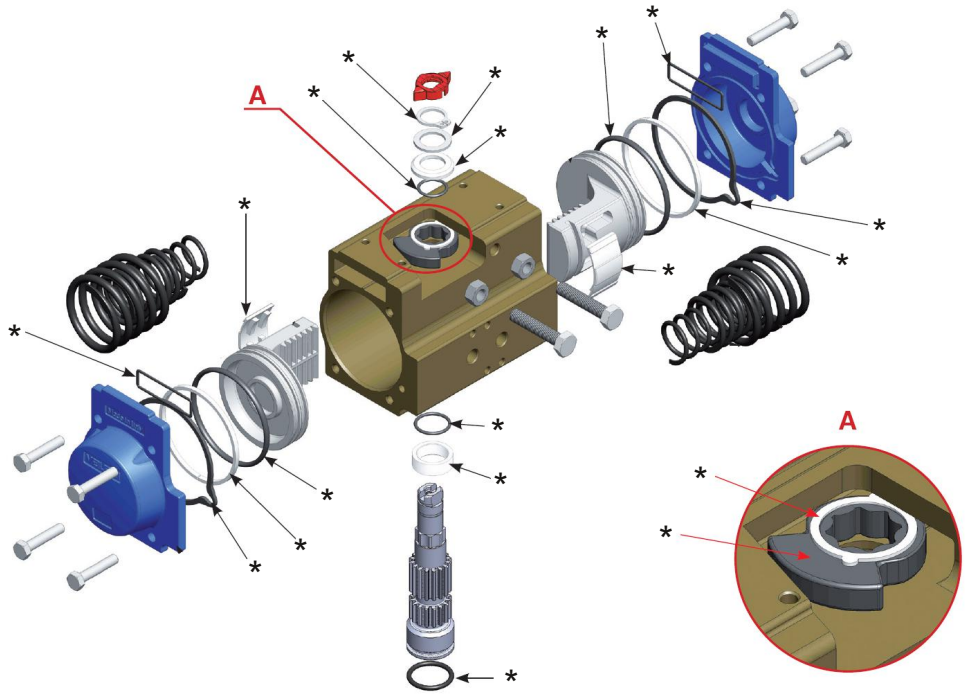
Low temperature version: -40...+85°C. High temperature version: -20...+150°C

Spare part kit

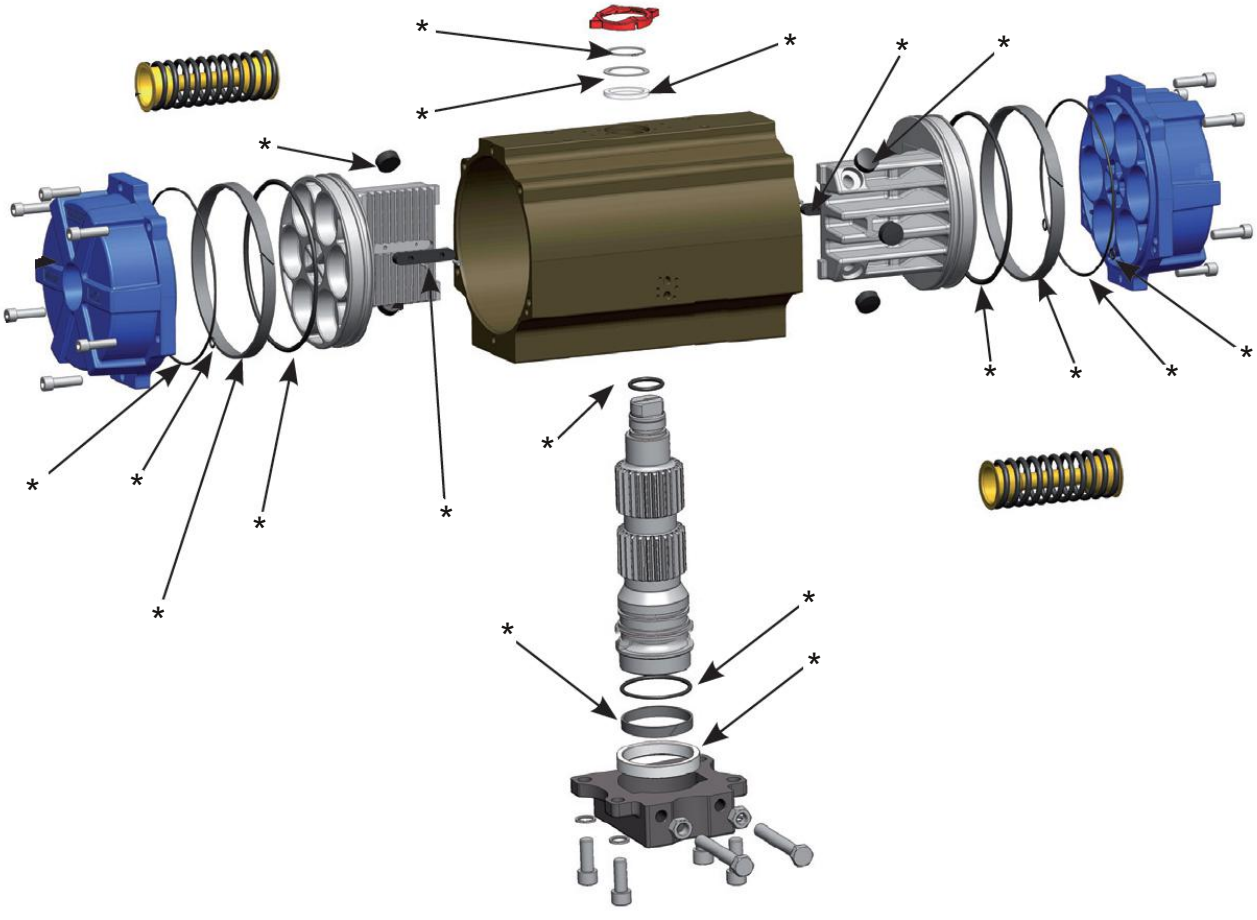


Spare part kit DA/SR 052 - 230



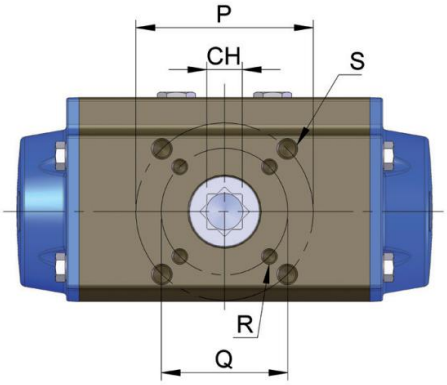

Spare part kit DA/SR 270 - 330

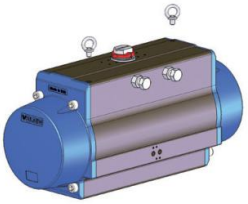


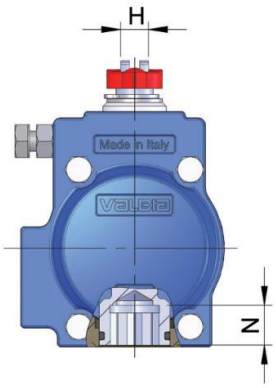
# PNEUMATIC ACTUATORS

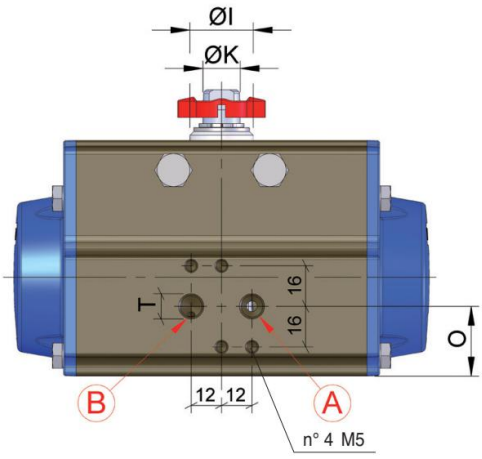
BONOMI SCANDINAVIA

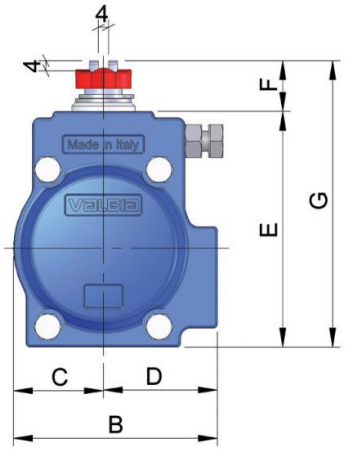
## DA/SR 052 - 230, 0-90°

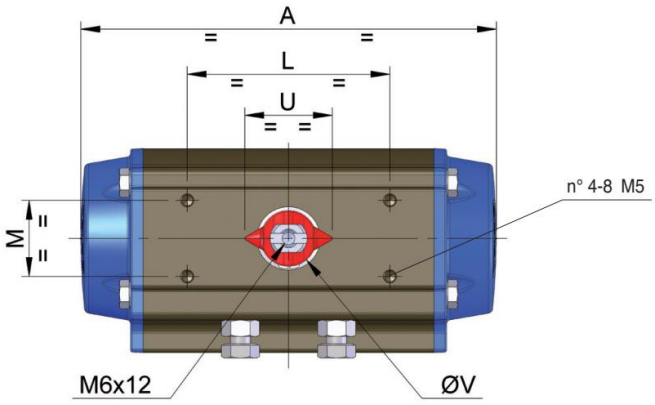





## Dimensions

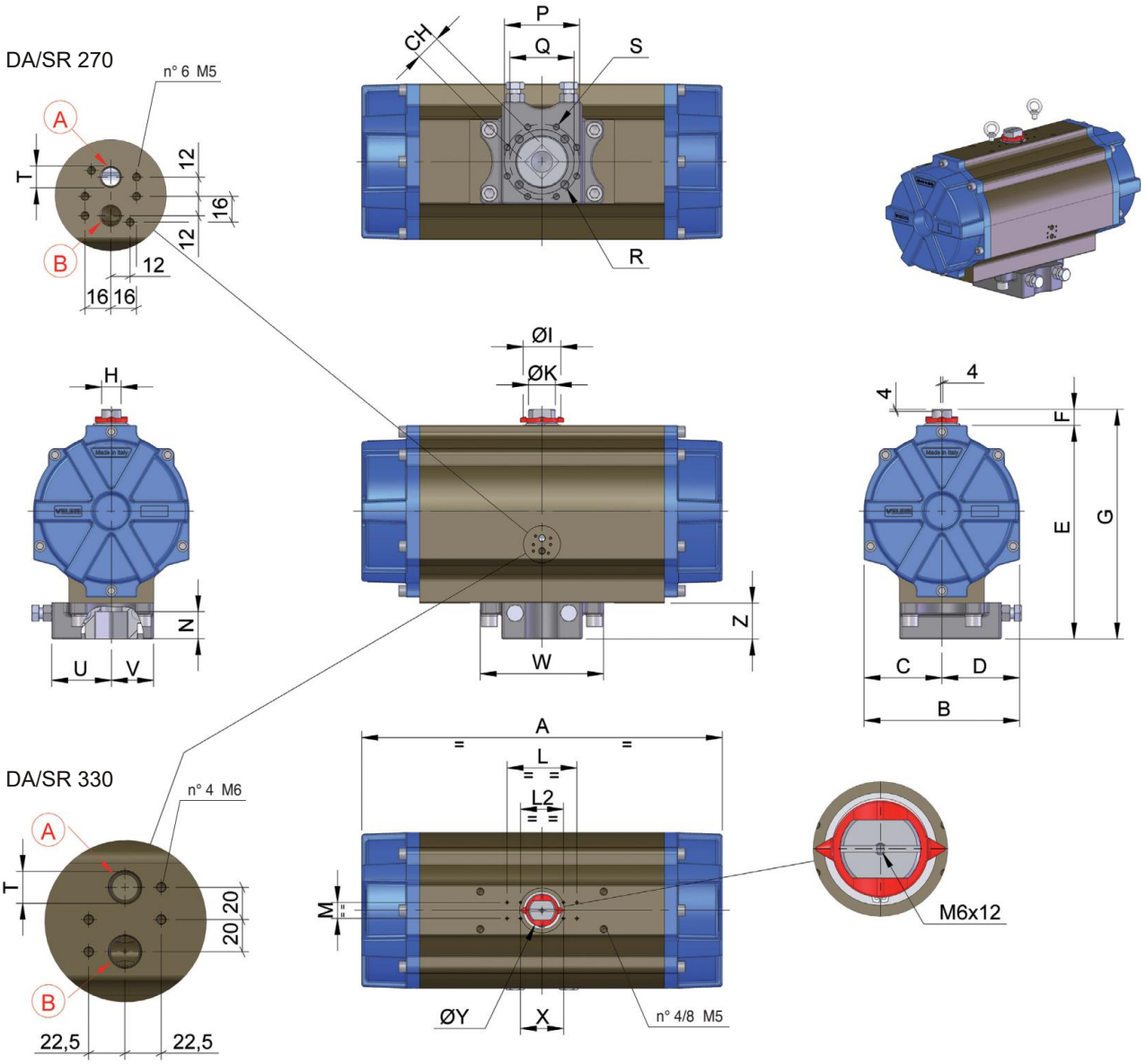
| Type | ISO5211 | CH | A | B | C | D | E | F | G | H | ØI | ØK | L | M | N | O | P | Q | R | S | T | U | ØV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DA/SR052 | F03/05 | 11 | 141 | 71 | 30 | 41 | 82 | 20 | 102 | 10 | 21 | 12 | 80 | 30 | 12 | 27 | 50 | 36 | M5x7,5 | M6x9 | 1/8" | 35 | 22 |
| DA/SR063 | F05/07 | 14 | 164 | 81 | 36 | 45 | 93 | 20 | 113 | 11 | 25 | 15 | 80 | 30 | 16 | 28 | 70 | 50 | M6x8 | M8x12 | 1/8" | 35 | 22 |
| DA/SR075 | F05/07 | 17 | 210 | 95 | 42 | 53 | 111 | 20 | 131 | 13 | 29 | 19 | 80 | 30 | 19 | 35 | 70 | 50 | M6x8 | M8x12 | 1/8" | 42 | 29 |
| DA/SR085 | F05/07 | 17 | 241 | 106 | 48 | 59 | 125 | 20 | 145 | 15 | 35 | 22 | 80 | 30 | 19 | 42 | 70 | 50 | M6x8 | M8x12 | 1/8" | 42 | 29 |
| DA/SR100 | F07/10 | 17 | 275 | 123 | 55 | 68 | 138 | 20 | 158 | 15 | 35 | 22 | 80 | 30 | 21 | 50 | 102 | 70 | M8x8 | M10x14 | 1/4" | 42 | 29 |
| DA/SR115 | F07/10 | 22 | 333 | 137 | 64 | 73 | 162 | 30 | 192 | 22 | 49 | 32 | 80/130 | 30 | 24 | 50 | 102 | 70 | M8x12 | M10x15 | 1/4" | 64 | 44 |
| DA/SR125 | F07/10 | 22 | 372 | 148 | 68 | 80 | 174 | 30 | 204 | 22 | 49 | 32 | 80/130 | 30 | 24 | 61 | 102 | 70 | M8x12 | M10x15 | 1/4" | 64 | 44 |
| DA/SR140 | F10/12 | 27 | 435 | 164 | 77 | 88 | 197 | 30 | 227 | 24 | 49 | 35 | 80/130 | 30 | 29 | 71 | 125 | 102 | M10x15 | M12x18 | 1/4" | 64 | 44 |
| DA/SR160 | F10/12 | 27 | 500 | 186 | 87 | 99 | 221 | 30 | 251 | 30 | 57 | 40 | 80/130 | 30 | 32 | 80 | 125 | 102 | M10x14 | M12x17 | 1/4" | 81 | 60 |
| DA/SR180 | F10/14 | 36 | 493 | 213 | 98 | 115 | 253 | 30 | 283 | 36 | 62 | 45 | 80/130 | 30 | 43 | 99 | 140 | 102 | M10x15 | M16x25 | 1/4" | 81 | 60 |
| DA/SR200 | F14 | 36 | 579 | 217 | 108 | 109 | 278 | 30 | 308 | 36 | 67 | 50 | 80/130 | 30 | 37 | 78 | 140 | - | - | M16x24 | 1/4" | 81 | 60 |
| DA/SR230 | F16 | 46* | 690 | 249 | 124 | 125 | 325 | 30 | 355 | 36 | 67 | 50 | 80/130 | 30 | 50 | 92 | 165 | - | - | M20x29 | 1/4" | 81 | 60 |

* DA/SR230 only square connection at 45° (CH)

# PNEUMATIC ACTUATORS

BONOMI SCANDINAVIA

## DA/SR 270 - 330, 0-90°




## Dimensions

| Type | ISO5211 | CH | A | B | C | D | E | F | G | H | ØI | ØK | L | L2 | M | N | P | Q | R | S | T | U | V | W | Z | X | ØY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DA/SR270 | F16 | 46 | 672 | 290 | 145 | 145 | 399 | 30 | 429 | 36 | 70 | 50 | 130 | 80 | 30 | 50 | - | 165 | M20x30 | - | 1/4" | 111 | 79 | 230 | 68 | 81 | 60 |
| DA/SR330 | F16/25 | 55 | 881 | 402 | 201 | 201 | 505 | 50 | 555 | 36 | 109 | 50 | 130 | - | 30 | 62 | 254 | 165 | M20x30 | M16x26 | 1/2" | 129 | 135 | 297 | 95 | 81 | 60 |