

# SHORT-STROKE CYLINDERS

## SERIES QL

Series QL: double-acting, magnetic and non magnetic  
Ø 12, 16, 20, 25, 32, 40, 50, 63, 80, 100 mm



- Compact design
- Low weight
- Easy installation

Series QL short-stroke cylinders are available in seven different bore sizes from 12 mm to 100 mm and are designed to cover a wide range of application needs, from light duties in packaging or assembly through to the demanding requirements of handling components for woodworking. The low weight of the aluminium body and the compact design makes this cylinder range quick and easy to install, even in confined or awkward spaces.

Series QL is available in double acting, magnetic and non-magnetic designs. A full range of accessories such as standard, large and narrow mounting feet enhance the applicability and usability of the range.

### GENERAL DATA

|                       |                                                                                                                                                                                    |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type of construction  | compact profile                                                                                                                                                                    |
| Operation             | double-acting                                                                                                                                                                      |
| Materials             | body: anodized AL<br>rod: rolled stainless steel<br>piston seals: NBR<br>rod seals: PU                                                                                             |
| Operating temperature | 0°C ÷ 80°C (with dry air -20°C)                                                                                                                                                    |
| Mounting              | by means of screws or brackets                                                                                                                                                     |
| Operating pressure    | 1 ÷ 10 bar (double-acting)                                                                                                                                                         |
| Fluid                 | filtered air class 7.8.4 as indicated by ISO 8573-1.<br>If lubricated air is used, it is recommended to use oil ISOVG32. Once applied the lubrication should never be interrupted. |
| Bores                 | Ø 12, 16, 20, 25, 32, 40, 50, 63, 80, 100                                                                                                                                          |
| Use with sensors      | Mod. CSC                                                                                                                                                                           |

SHORT-STROKE CYLINDERS  
SERIES QL - STANDARD STROKES

PNEUMATIC ACTUATION

1

STANDARD STROKES FOR SHORT-STROKE CYLINDERS SERIES QL

■ = Double-acting                      ✕ = Double-acting long strokes                      ● = Double-acting through rod

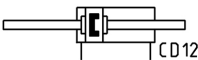
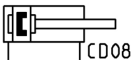
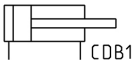
| ∅   | 5   | 10  | 15  | 20  | 25  | 30  | 35  | 40  | 45  | 50  | 75  | 100 | 125 | 150 | 175 | 200 | 250 | 300 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 12  | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● |     |     |     |     |     |     |     |     |     |     |     |     |
| 16  | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● |     |     |     |     |     |     |     |     |     |     |     |     |
| 20  | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● |     |     |     |     |     |     |     |     |
| 25  | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● |     |     |     |     |     |     |     |     |
| 32  | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● | ✕   | ✕   | ✕   | ✕   | ✕   | ✕   |
| 40  | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● | ✕   | ✕   | ✕   | ✕   | ✕   | ✕   |
| 50  |     | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● | ✕   | ✕   | ✕   | ✕   | ✕   | ✕   |
| 63  |     | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● | ✕   | ✕   | ✕   | ✕   | ✕   | ✕   |
| 80  |     | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● | ✕   | ✕   | ✕   | ✕   | ✕   | ✕   |
| 100 |     | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● | ■ ● | ✕   | ✕   | ✕   | ✕   | ✕   | ✕   |

CODING EXAMPLE

| QL  | M                                                                                                                                                           | 2 | A | 032 | A | 050                                                             |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|-----|---|-----------------------------------------------------------------|
| QL  | SERIES                                                                                                                                                      |   |   |     |   |                                                                 |
| M   | VERSION<br>M = magnetic<br>N = non magnetic                                                                                                                 |   |   |     |   |                                                                 |
| 2   | OPERATION<br>2 = double-acting<br>3 = double-acting, through-rod (only for M version)                                                                       |   |   |     |   | PNEUMATIC SYMBOLS<br>CD01 (N) - CDB1 (N)<br>CD08 (M) - CD12 (M) |
| A   | MATERIALS<br>A = rolled stainless steel rod - AL tube profile                                                                                               |   |   |     |   |                                                                 |
| 032 | BORE<br>012 = 12 mm<br>016 = 16 mm<br>020 = 20 mm<br>025 = 25 mm<br>032 = 32 mm<br>040 = 40 mm<br>050 = 50 mm<br>063 = 63 mm<br>080 = 80 mm<br>100 = 100 mm |   |   |     |   |                                                                 |
| A   | CONSTRUCTION<br>A = Standard<br>L = Long strokes (>100mm)                                                                                                   |   |   |     |   |                                                                 |
| 050 | STROKE<br>(see the stroke table)                                                                                                                            |   |   |     |   |                                                                 |
|     | = Standard<br>M = Male rod                                                                                                                                  |   |   |     |   |                                                                 |
|     | = Standard<br>EX = Atex                                                                                                                                     |   |   |     |   |                                                                 |

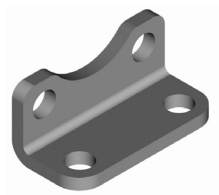
PNEUMATIC SYMBOLS

The pneumatic symbols which have been indicated in the CODING EXAMPLE are shown below.



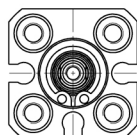
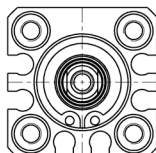
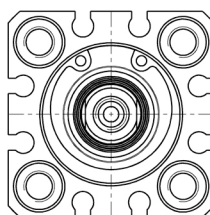
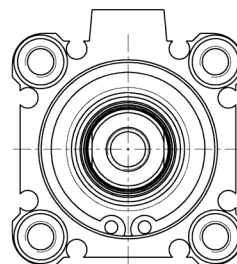
## ACCESSORIES FOR SHORT-STROKE CYLINDERS SERIES QL

**Foot mount Mod. B-QL**

**Narrow (shorter) foot mount  
Mod. BN-QL**


All accessories are supplied separately.

## SENSOR GROOVES POSITIONING:

 $\varnothing 12$ 

 $\varnothing 16$ 

 $\varnothing 20/\varnothing 25$ 

 $\varnothing 32/\varnothing 40/\varnothing 50$ 


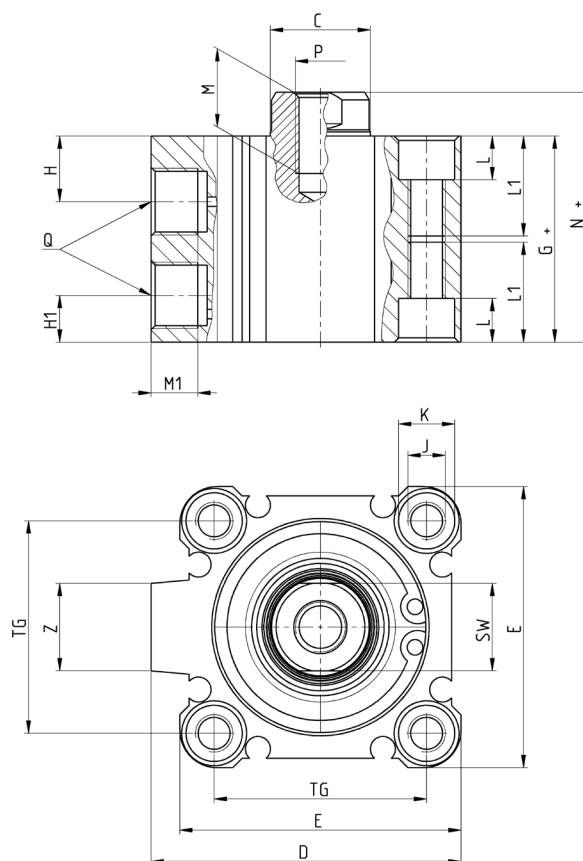
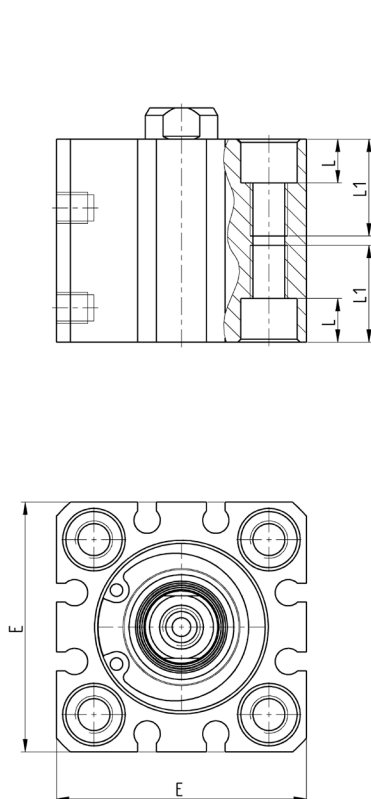
# SHORT-STROKE CYLINDERS

## SERIES QL - DIMENSIONAL CHARACTERISTICS

### Short-stroke non magnetic cylinders Series QL

PNEUMATIC ACTUATION

1


 $\varnothing 12/\varnothing 16/\varnothing 20/\varnothing 25$ 
 $\varnothing 32/\varnothing 40/\varnothing 50$ 


+ = add the stroke

| Ø   | Strokes range (mm) | gC | D     | E    | G    | H    | H1   | J        | gK   | L    | L1   | M  | M1  | N    | P       | Q      | SW | TG   | Z  |
|-----|--------------------|----|-------|------|------|------|------|----------|------|------|------|----|-----|------|---------|--------|----|------|----|
| 12  | 5 ÷ 30             | 6  | -     | 25   | 17   | 7,5  | 5    | M4x0,7   | 6,5  | 3,5  | 11   | 6  | 6   | 20,5 | M3x0,5  | M5x0,8 | 5  | 15,5 | -  |
| 16  | 5 ÷ 30             | 8  | -     | 29   | 18,5 | 9    | 5    | M4x0,7   | 6,5  | 3,5  | 11   | 8  | 6   | 22   | M4x0,7  | M5x0,8 | 6  | 20   | -  |
| 20  | 5 ÷ 50             | 10 | -     | 35,5 | 19,5 | 8    | 5,5  | M6x1     | 9    | 7    | 17   | 7  | 6   | 24   | M5x0,8  | M5x0,8 | 8  | 25,5 | -  |
| 25  | 5 ÷ 50             | 12 | -     | 40   | 22,5 | 11   | 5,5  | M6x1     | 9    | 7    | 17   | 12 | 6   | 27,5 | M6x1    | M5x0,8 | 10 | 28   | -  |
| 32  | 5                  | 16 | 49,5  | 45   | 23   | 10,5 | 7,5  | M6x1     | 9    | 7    | 17   | 13 | 6   | 30   | M8x1,25 | M5x0,8 | 14 | 34   | 14 |
| 32  | 10 ÷ 50            | 16 | 49,5  | 45   | 23   | 10,5 | 7,5  | M6x1     | 9    | 7    | 17   | 13 | 7,5 | 30   | M8x1,25 | G1/8   | 14 | 34   | 14 |
| 32  | 75 ÷ 100           | 16 | 49,5  | 45   | 33   | 10,5 | 7,5  | M6x1     | 9    | 7    | 17   | 13 | 7,5 | 40   | M8x1,25 | G1/8   | 14 | 34   | 14 |
| 40  | 5 ÷ 50             | 16 | 57    | 52   | 29,5 | 11   | 8    | M6x1     | 9    | 7    | 17   | 13 | 7,5 | 36,5 | M8x1,25 | G1/8   | 14 | 40   | 15 |
| 40  | 75 ÷ 100           | 16 | 57    | 52   | 39,5 | 11   | 8    | M6x1     | 9    | 7    | 17   | 13 | 7,5 | 46,5 | M8x1,25 | G1/8   | 14 | 40   | 15 |
| 50  | 10 ÷ 50            | 20 | 71    | 64   | 30,5 | 10,5 | 10,5 | M8x1,25  | 11   | 8    | 22   | 15 | 8,5 | 38,5 | M10x1,5 | G1/4   | 17 | 50   | 19 |
| 50  | 75 ÷ 100           | 20 | 71    | 64   | 40,5 | 10,5 | 10,5 | M8x1,25  | 11   | 8    | 22   | 15 | 8,5 | 48,5 | M10x1,5 | G1/4   | 17 | 50   | 19 |
| 63  | 10 ÷ 50            | 20 | 84    | 77   | 36   | 15   | 10,5 | M10x1,5  | 14   | 10,5 | 28,5 | 15 | 8,5 | 44   | M10x1,5 | G1/4   | 17 | 60   | 19 |
| 63  | 75 ÷ 100           | 20 | 84    | 77   | 46   | 15   | 10,5 | M10x1,5  | 14   | 10,5 | 28,5 | 15 | 11  | 54   | M10x1,5 | G1/4   | 17 | 60   | 19 |
| 80  | 10 ÷ 50            | 25 | 98    | 98   | 43,5 | 15   | 12,5 | M12x1,75 | 17,5 | 13,5 | 35,5 | 21 | 11  | 53,5 | M16x2   | G3/8   | 22 | 77   | 25 |
| 80  | 75 ÷ 100           | 25 | 98    | 98   | 53,5 | 15   | 12,5 | M12x1,75 | 17,5 | 13,5 | 35,5 | 21 | 11  | 63,5 | M16x2   | G3/8   | 22 | 77   | 25 |
| 100 | 10 ÷ 50            | 32 | 123,5 | 117  | 53   | 20,5 | 13   | M12x1,75 | 17,5 | 13,5 | 35,5 | 27 | 11  | 65   | M20x2,5 | G3/8   | 27 | 94   | 25 |
| 100 | 75 ÷ 100           | 32 | 123,5 | 117  | 63   | 20,5 | 13   | M12x1,75 | 17,5 | 13,5 | 35,5 | 27 | 11  | 75   | M20x2,5 | G3/8   | 27 | 94   | 25 |

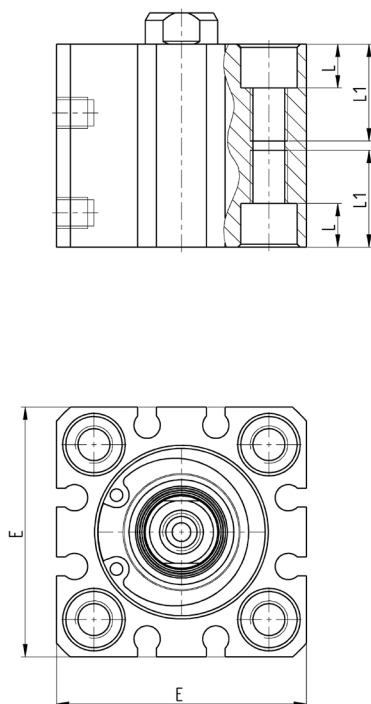
# SHORT-STROKE CYLINDERS

## SERIES QL - DIMENSIONAL CHARACTERISTICS

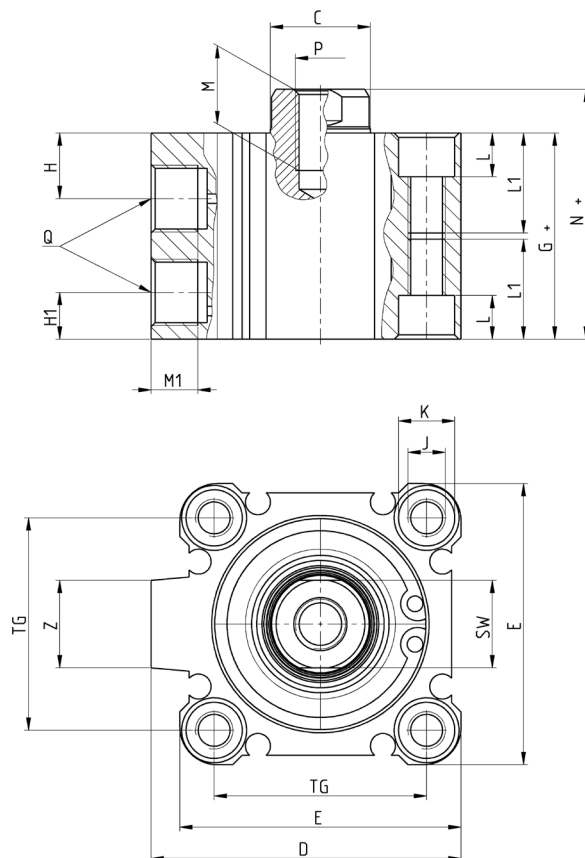
### Short-stroke magnetic cylinders Series QL



Ø12/Ø16/Ø20/Ø25



Ø32/Ø40/Ø50



PNEUMATIC ACTUATION

1

+ = add the stroke

| Ø   | Strokes range (mm) | øC | D     | E    | G    | H    | H1   | J        | øK   | L    | L1   | M  | M1      | N    | P       | Q      | SW | TG   | Z  |
|-----|--------------------|----|-------|------|------|------|------|----------|------|------|------|----|---------|------|---------|--------|----|------|----|
| 12  | 5 ÷ 30             | 6  | -     | 25   | 28   | 7,5  | 5    | M4x0,7   | 6,5  | 3,5  | 11   | 6  | 6       | 31,5 | M3x0,5  | M5x0,8 | 5  | 15,5 | -  |
| 16  | 5 ÷ 30             | 8  | -     | 29   | 30,5 | 9    | 5    | M4x0,7   | 6,5  | 3,5  | 11   | 8  | 6       | 34   | M4x0,7  | M5x0,8 | 6  | 20   | -  |
| 20  | 5 ÷ 50             | 10 | -     | 35,5 | 31,5 | 8    | 5,5  | M6x1     | 9    | 7    | 17   | 7  | 6       | 36   | M5x0,8  | M5x0,8 | 8  | 25,5 | -  |
| 25  | 5 ÷ 50             | 12 | -     | 40   | 32,5 | 11   | 5,5  | M6x1     | 9    | 7    | 17   | 12 | 6       | 37,5 | M6x1    | M5x0,8 | 10 | 28   | -  |
| 32  | 5 ÷ 100            | 16 | 49,5  | 45   | 33   | 10,5 | 7,5  | M6x1     | 9    | 7    | 17   | 13 | 6 / 7,5 | 40   | M8x1,25 | G1/8   | 14 | 34   | 14 |
| 40  | 5 ÷ 100            | 16 | 57    | 52   | 39,5 | 11   | 8    | M6x1     | 9    | 7    | 17   | 13 | 7,5     | 46,5 | M8x1,25 | G1/8   | 14 | 40   | 15 |
| 50  | 10 ÷ 100           | 20 | 71    | 64   | 40,5 | 10,5 | 10,5 | M8x1,25  | 11   | 8    | 22   | 15 | 8,5     | 48,5 | M10x1,5 | G1/4   | 17 | 50   | 19 |
| 63  | 10 ÷ 100           | 20 | 84    | 77   | 46   | 15   | 10,5 | M10x1,5  | 14   | 10,5 | 28,5 | 15 | 8,5     | 54   | M10x1,5 | G1/4   | 17 | 60   | 19 |
| 80  | 10 ÷ 100           | 25 | 104   | 98   | 53,5 | 15   | 12,5 | M12x1,75 | 17,5 | 13,5 | 35,5 | 21 | 11      | 63,5 | M16x2   | G3/8   | 22 | 77   | 25 |
| 100 | 10 ÷ 100           | 32 | 123,5 | 117  | 63   | 20,5 | 13   | M12x1,75 | 17,5 | 13,5 | 35,5 | 27 | 11      | 75   | M20x2,5 | G3/8   | 27 | 94   | 25 |

SHORT-STROKE CYLINDERS  
SERIES QL - DIMENSIONAL CHARACTERISTICS

Short-stroke through rod magnetic cylinders Series QL

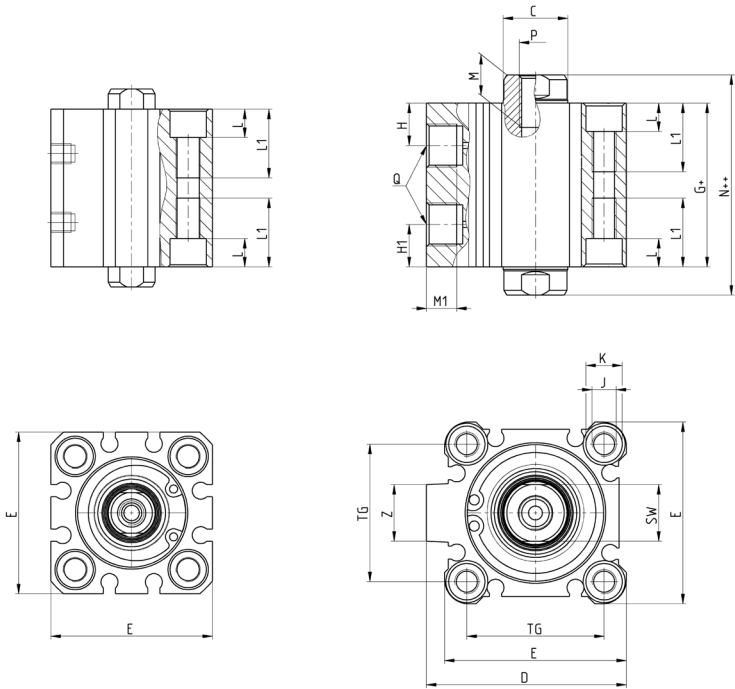
PNEUMATIC ACTUATION

1



Ø12/Ø16/Ø20/Ø25

Ø32/Ø40/Ø50/Ø63/Ø80/Ø100



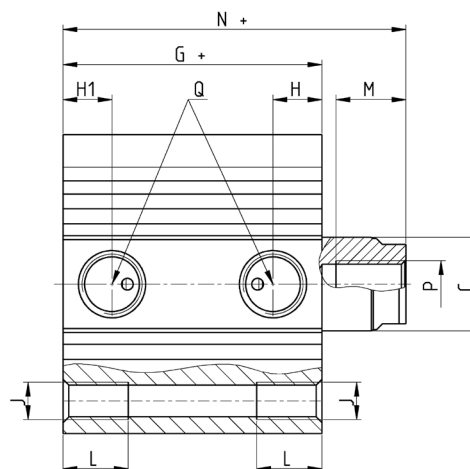
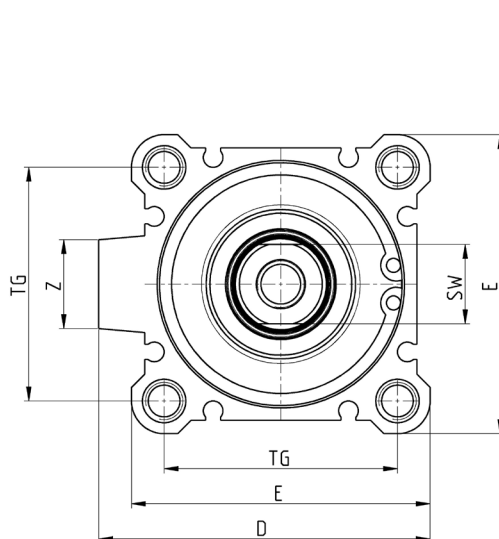
+ = add the stroke  
++ = add the stroke twice

| Ø   | Strokes range (mm) | ØC | D     | E    | G    | H    | H1   | J        | ØK   | L    | L1   | M  | M1  | N     | P       | Q      | SW | TG   | Z  |
|-----|--------------------|----|-------|------|------|------|------|----------|------|------|------|----|-----|-------|---------|--------|----|------|----|
| 12  | 5 ÷ 30             | 6  | -     | 25   | 32,4 | 7,5  | 7,5  | M4x0,7   | 6,5  | 3,5  | 11   | 6  | 6   | 39,4  | M3x0,5  | M5x0,8 | 5  | 15,5 | -  |
| 16  | 5 ÷ 30             | 8  | -     | 29   | 36   | 9    | 5    | M4x0,7   | 6,5  | 3,5  | 11   | 8  | 6   | 43    | M4x0,7  | M5x0,8 | 6  | 20   | -  |
| 20  | 5 ÷ 50             | 10 | -     | 35,5 | 38   | 8    | 8    | M6x1     | 9    | 7    | 17   | 8  | 6   | 47    | M5x0,8  | M5x0,8 | 8  | 25,5 | -  |
| 25  | 5 ÷ 50             | 12 | -     | 40   | 39   | 11   | 11   | M6x1     | 9    | 7    | 17   | 12 | 6   | 49    | M6x1    | M5x0,8 | 10 | 28   | -  |
| 32  | 5 ÷ 100            | 16 | 49,5  | 45   | 40,5 | 10,5 | 10,5 | M6x1     | 9    | 7    | 17   | 13 | 7,5 | 54,5  | M8x1,25 | G1/8   | 14 | 34   | 14 |
| 40  | 5 ÷ 100            | 16 | 57    | 52   | 50   | 11   | 11   | M6x1     | 9    | 7    | 17   | 13 | 7,5 | 64    | M8x1,25 | G1/8   | 14 | 40   | 15 |
| 50  | 10 ÷ 100           | 20 | 71    | 64   | 50,5 | 10,5 | 10,5 | M8x1,25  | 11   | 8    | 22   | 15 | 8,5 | 66,5  | M10x1,5 | G1/4   | 17 | 50   | 19 |
| 63  | 10 ÷ 100           | 20 | 84    | 77   | 52   | 15   | 15   | M10x1,5  | 14   | 10,5 | 28,5 | 15 | 8,5 | 69    | M10x1,5 | G1/4   | 17 | 60   | 19 |
| 80  | 10 ÷ 100           | 25 | 104   | 98   | 61   | 16   | 16   | M12x1,75 | 17,5 | 13,5 | 35,5 | 21 | 11  | 83    | M16x2   | G3/8   | 22 | 77   | 25 |
| 100 | 10 ÷ 100           | 32 | 123,5 | 117  | 70,5 | 21   | 21   | M12x1,75 | 17,5 | 13,5 | 35,5 | 21 | 11  | 96,25 | M20x2,5 | G3/8   | 27 | 94   | 25 |

## SHORT-STROKE CYLINDERS

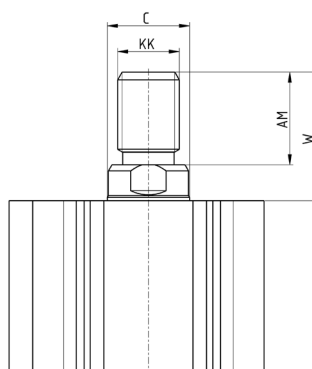
### SERIES QL - DIMENSIONAL CHARACTERISTICS

#### Short-stroke cylinders Series QL long strokes



| Ø   | Stroke range (mm) | $\varnothing C$ | D     | E   | G    | H    | H1   | J        | L  | M  | N    | P       | Q    | SW | TG | Z  |
|-----|-------------------|-----------------|-------|-----|------|------|------|----------|----|----|------|---------|------|----|----|----|
| 32  | 125 ÷ 300         | 16              | 49,5  | 45  | 45,5 | 10,5 | 10,5 | M6x1,0   | 10 | 13 | 62,5 | M8x1,25 | G1/8 | 14 | 34 | 14 |
| 40  | 125 ÷ 300         | 16              | 57    | 52  | 55   | 11   | 11   | M6x1,0   | 10 | 13 | 72   | M8x1,25 | G1/8 | 14 | 40 | 15 |
| 50  | 125 ÷ 300         | 20              | 71    | 64  | 55,5 | 10,5 | 10,5 | M8x1,25  | 14 | 15 | 73,5 | M10x1,5 | G1/4 | 17 | 50 | 19 |
| 63  | 125 ÷ 300         | 20              | 84    | 77  | 57   | 15   | 15   | M10x1,5  | 18 | 15 | 75   | M10x1,5 | G1/4 | 17 | 60 | 19 |
| 80  | 125 ÷ 300         | 25              | 104   | 98  | 66   | 16   | 16   | M12x1,75 | 22 | 21 | 86   | M16x2   | G3/8 | 22 | 77 | 25 |
| 100 | 125 ÷ 300         | 32              | 123,5 | 117 | 75,5 | 21   | 21   | M12x1,75 | 22 | 27 | 97,5 | M20x2,5 | G3/8 | 27 | 94 | 25 |

#### Short-stroke cylinders series QL male rod variant



| Ø   | Stroke range (mm) | W    | $\varnothing C$ | KK       | AM   |
|-----|-------------------|------|-----------------|----------|------|
| 12  | 5 ÷ 30            | 14   | 6               | M5x0,8   | 10,5 |
| 16  | 5 ÷ 30            | 15,5 | 8               | M6x1     | 12   |
| 20  | 5 ÷ 50            | 18,5 | 10              | M8x1,25  | 14   |
| 25  | 5 ÷ 50            | 22,5 | 12              | M10x1,25 | 17,5 |
| 32  | 5 ÷ 100           | 30,5 | 16              | M14x1,5  | 23,5 |
| 32  | 125 ÷ 300         | 40,5 | 16              | M14x1,5  | 23,5 |
| 40  | 5 ÷ 100           | 30,5 | 16              | M14x1,5  | 23,5 |
| 40  | 125 ÷ 300         | 40,5 | 16              | M14x1,5  | 23,5 |
| 50  | 10 ÷ 100          | 36,5 | 20              | M18x1,5  | 28,5 |
| 50  | 125 ÷ 300         | 46,5 | 20              | M18x1,5  | 28,5 |
| 63  | 10 ÷ 100          | 36,5 | 20              | M18x1,5  | 28,5 |
| 63  | 125 ÷ 300         | 46,5 | 20              | M18x1,5  | 28,5 |
| 80  | 10 ÷ 100          | 45,5 | 25              | M22x1,5  | 35,5 |
| 80  | 125 ÷ 300         | 55,5 | 25              | M22x1,5  | 35,5 |
| 100 | 10 ÷ 100          | 47,5 | 32              | M26x1,5  | 35,5 |
| 100 | 125 ÷ 300         | 57,5 | 32              | M26x1,5  | 35,5 |

**SHORT-STROKE CYLINDERS**  
**SERIES QL - ACCESSORIES**

**Foot mount Mod. B-QL**

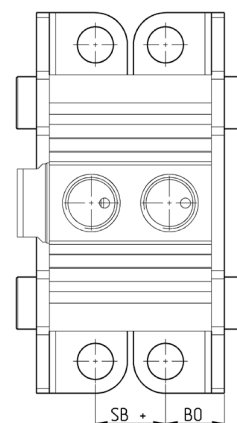
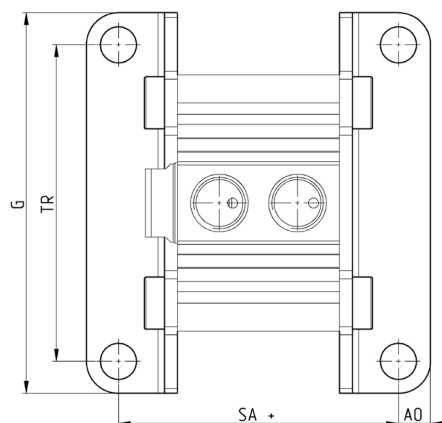
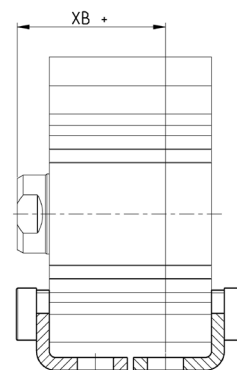
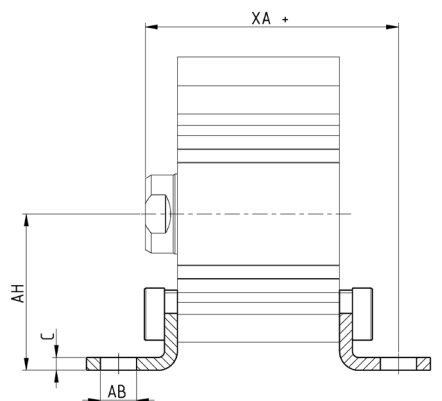


Material:  
zinc-plated steel

Supplied with:  
2x foot brackets  
4x screws

PNEUMATIC ACTUATION

1



+ = add the stroke

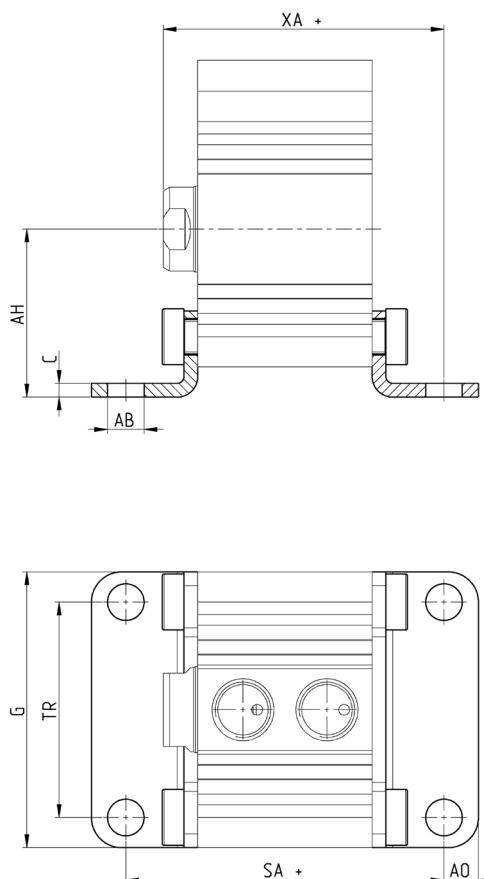
| Ø   | Version | Stroke range (mm) | AH | XA + | XB + | G   | TR  | C   | SA + | AO   | SB + | BO   | AB  |
|-----|---------|-------------------|----|------|------|-----|-----|-----|------|------|------|------|-----|
| 12  | QLM     | 5 ÷ 30            | 17 | 39,5 | 25,5 | 44  | 34  | 2   | 44   | 4,5  | 16   | 8    | 4,5 |
| 12  | QLN     | 5 ÷ 30            | 17 | 28,5 | 14,5 | 44  | 34  | 2   | 33   | 4,5  | 5    | 8    | 4,5 |
| 16  | QLM     | 5 ÷ 30            | 19 | 42   | 28   | 48  | 38  | 2   | 46,5 | 5    | 18,5 | 8    | 4,5 |
| 16  | QLN     | 5 ÷ 30            | 19 | 30   | 16   | 48  | 38  | 2   | 34,5 | 5    | 6,5  | 8    | 4,5 |
| 20  | QLM     | 5 ÷ 50            | 24 | 45,2 | 30   | 62  | 48  | 3,2 | 49,9 | 5,8  | 19,5 | 9,2  | 6,5 |
| 20  | QLN     | 5 ÷ 50            | 24 | 33,2 | 18   | 62  | 48  | 3,2 | 37,9 | 5,8  | 7,5  | 9,2  | 6,5 |
| 25  | QLM     | 5 ÷ 50            | 26 | 48,2 | 30   | 66  | 48  | 3,2 | 53,9 | 5,8  | 17,5 | 10,7 | 6,5 |
| 25  | QLN     | 5 ÷ 50            | 26 | 38,2 | 20   | 66  | 52  | 3,2 | 43,9 | 5,8  | 7,5  | 10,7 | 6,5 |
| 32  | QLM     | 5 ÷ 100           | 30 | 51,2 | 32   | 71  | 52  | 3,2 | 55,4 | 5,8  | 17   | 11,2 | 6,5 |
| 32  | QLN     | 5 ÷ 50            | 30 | 41,2 | 22   | 71  | 57  | 3,2 | 45,4 | 5,8  | 7    | 11,2 | 6,5 |
| 32  | QLN     | 75 ÷ 100          | 30 | 51,2 | 32   | 71  | 57  | 3,2 | 55,4 | 5,8  | 17   | 11,2 | 6,5 |
| 40  | QLM     | 5 ÷ 100           | 33 | 57,5 | 38,5 | 78  | 57  | 3,2 | 61,9 | 7    | 23,5 | 11,2 | 6,5 |
| 40  | QLN     | 5 ÷ 50            | 33 | 47,7 | 28,5 | 78  | 64  | 3,2 | 51,9 | 7    | 13,5 | 11,2 | 6,5 |
| 40  | QLN     | 75 ÷ 100          | 33 | 57,5 | 38,5 | 78  | 64  | 3,2 | 61,9 | 7    | 23,5 | 11,2 | 6,5 |
| 50  | QLM     | 5 ÷ 100           | 39 | 53,2 | 37   | 95  | 79  | 3,2 | 69,9 | 8    | 17,5 | 14,7 | 9   |
| 50  | QLN     | 5 ÷ 50            | 39 | 53,2 | 27   | 95  | 79  | 3,2 | 59,9 | 8    | 7,5  | 14,7 | 9   |
| 50  | QLN     | 75 ÷ 100          | 39 | 53,2 | 37   | 95  | 79  | 3,2 | 69,9 | 8    | 17,5 | 14,7 | 9   |
| 63  | QLM     | 5 ÷ 100           | 46 | 70,2 | 41   | 113 | 95  | 3,2 | 78,4 | 9    | 20   | 16,2 | 11  |
| 63  | QLN     | 5 ÷ 50            | 46 | 60,2 | 31   | 113 | 95  | 3,2 | 68,4 | 9    | 10   | 16,2 | 11  |
| 63  | QLN     | 75 ÷ 100          | 46 | 70,2 | 41   | 113 | 95  | 3,2 | 78,4 | 9    | 20   | 16,2 | 11  |
| 80  | QLM     | 5 ÷ 100           | 59 | 83   | 48,5 | 140 | 118 | 4,5 | 92,5 | 11   | 23,5 | 19,5 | 13  |
| 80  | QLN     | 5 ÷ 50            | 59 | 73   | 38,5 | 140 | 118 | 4,5 | 82,5 | 11   | 13,5 | 19,5 | 13  |
| 80  | QLN     | 75 ÷ 100          | 59 | 83   | 48,5 | 140 | 118 | 4,5 | 92,5 | 11   | 23,5 | 19,5 | 13  |
| 100 | QLM     | 5 ÷ 100           | 71 | 98   | 58   | 162 | 137 | 6   | 109  | 12,5 | 29   | 23   | 13  |
| 100 | QLN     | 5 ÷ 50            | 71 | 88   | 48   | 162 | 137 | 6   | 99   | 12,5 | 19   | 23   | 13  |
| 100 | QLN     | 75 ÷ 100          | 71 | 98   | 58   | 162 | 137 | 6   | 109  | 12,5 | 29   | 23   | 13  |

## Narrow (shorter) foot mount Mod. BN-QL



Material:  
zinc-plated steel

Supplied with:  
2x foot brackets  
4x screws



+ = add the stroke

| Ø   | Version | Stroke range (mm) | AH | XA + | G   | TR   | C   | SA +  | AO   | AB  |
|-----|---------|-------------------|----|------|-----|------|-----|-------|------|-----|
| 12  | QLM     | 5 ÷ 30            | 17 | 40,8 | 25  | 15,5 | 2   | 46,6  | 4,5  | 4,5 |
| 12  | QLN     | 5 ÷ 30            | 17 | 29,8 | 25  | 15,5 | 2   | 35,6  | 4,5  | 4,5 |
| 16  | QLM     | 5 ÷ 30            | 19 | 43,3 | 29  | 20   | 2   | 49,1  | 5    | 4,5 |
| 16  | QLN     | 5 ÷ 30            | 19 | 31,3 | 29  | 20   | 2   | 37,1  | 5    | 4,5 |
| 20  | QLM     | 5 ÷ 50            | 24 | 49,2 | 36  | 25,5 | 3,2 | 57,9  | 5,8  | 6,5 |
| 20  | QLN     | 5 ÷ 50            | 24 | 37,2 | 36  | 25,5 | 3,2 | 45,9  | 5,8  | 6,5 |
| 25  | QLM     | 5 ÷ 50            | 26 | 50,7 | 40  | 28   | 3,2 | 58,9  | 5,8  | 6,5 |
| 25  | QLN     | 5 ÷ 50            | 26 | 40,7 | 40  | 28   | 3,2 | 48,9  | 5,8  | 6,5 |
| 32  | QLM     | 5 ÷ 100           | 30 | 53,7 | 45  | 34   | 3,2 | 60,4  | 5,8  | 6,5 |
| 32  | QLN     | 5 ÷ 50            | 30 | 43,7 | 45  | 34   | 3,2 | 50,4  | 5,8  | 6,5 |
| 32  | QLN     | 75 ÷ 100          | 30 | 53,7 | 45  | 34   | 3,2 | 60,4  | 5,8  | 6,5 |
| 40  | QLM     | 5 ÷ 100           | 33 | 60,2 | 52  | 40   | 3,2 | 66,9  | 7    | 6,5 |
| 40  | QLN     | 5 ÷ 50            | 33 | 50,2 | 52  | 40   | 3,2 | 56,9  | 7    | 6,5 |
| 40  | QLN     | 75 ÷ 100          | 33 | 60,2 | 52  | 40   | 3,2 | 66,9  | 7    | 6,5 |
| 50  | QLM     | 5 ÷ 100           | 39 | 65,2 | 64  | 50   | 3,2 | 73,9  | 8    | 8,5 |
| 50  | QLN     | 5 ÷ 50            | 39 | 55,2 | 64  | 50   | 3,2 | 63,9  | 8    | 8,5 |
| 50  | QLN     | 75 ÷ 100          | 39 | 65,2 | 64  | 50   | 3,2 | 73,9  | 8    | 8,5 |
| 63  | QLM     | 5 ÷ 100           | 46 | 72,2 | 77  | 60   | 3,2 | 82,4  | 9    | 11  |
| 63  | QLN     | 5 ÷ 50            | 46 | 62,2 | 77  | 60   | 3,2 | 72,4  | 9    | 11  |
| 63  | QLN     | 75 ÷ 100          | 46 | 72,2 | 77  | 60   | 3,2 | 82,4  | 9    | 11  |
| 80  | QLM     | 5 ÷ 100           | 59 | 87,5 | 98  | 77   | 6   | 101,5 | 11,5 | 13  |
| 80  | QLN     | 5 ÷ 50            | 59 | 77,5 | 98  | 77   | 6   | 91,5  | 11,5 | 13  |
| 80  | QLN     | 75 ÷ 100          | 59 | 87,5 | 98  | 77   | 6   | 101,5 | 11,5 | 13  |
| 100 | QLM     | 5 ÷ 100           | 71 | 99   | 117 | 94   | 6   | 111   | 12,5 | 13  |
| 100 | QLN     | 5 ÷ 50            | 71 | 89   | 117 | 94   | 6   | 101   | 12,5 | 13  |
| 100 | QLN     | 75 ÷ 100          | 71 | 99   | 117 | 94   | 6   | 111   | 12,5 | 13  |