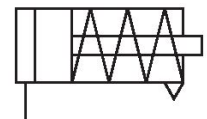
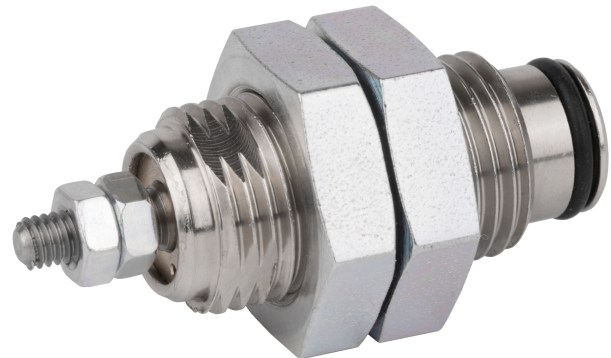


AVENTICS Series SWN Screw-in cylinders

The AVENTICS Series SWN is a cartridge cylinder and thus can be implemented in tight space.



Technical data

| | |
|--|-------------------------------|
| Industry | Industrial |
| Type | Spring force [N] 2,1 ... 17,5 |
| Piston Ø | 10 mm |
| Stroke | 5 mm |
| Functional principle | single-acting |
| Cushioning | Elastic cushioning |
| Magnetic piston | Piston without magnet |
| Environmental requirements | Industry standard |
| Piston rod thread - type | External thread |
| Piston rod | single |
| Scraper | Standard Industry Scraper |
| Pressure for determining piston forces | 6 bar |
| Extracting piston force | 38 N |
| Min. ambient temperature | -20 °C |
| Max. ambient temperature | 80 °C |
| Min. working pressure | 2 bar |
| Max. working pressure | 8 bar |
| Weight | 0.018 kg |
| Medium | Compressed air |

Screw-in cylinder, Series SWN

0822406910

Series SWN

2024-03-14

| | |
|------------------------------------|---------------------|
| Min. medium temperature | -20 °C |
| Max. medium temperature | 80 °C |
| Max. particle size | 5 µm |
| Min. oil content of compressed air | 0 mg/m ³ |
| Max. oil content of compressed air | 1 mg/m ³ |

Material

| | |
|-----------------------|----------------------|
| Piston rod | Stainless Steel |
| Material, front cover | Brass |
| Cylinder tube | Brass |
| Nut for piston rod | Steel, chrome-plated |
| Part No. | 0822406910 |

Technical information

The pressure dew point must be at least 15 °C less than ambient and medium temperature and may not exceed 3 °C.

The oil content of compressed air must remain constant during the life cycle.

Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in <https://www.emerson.com/en-us/support>).

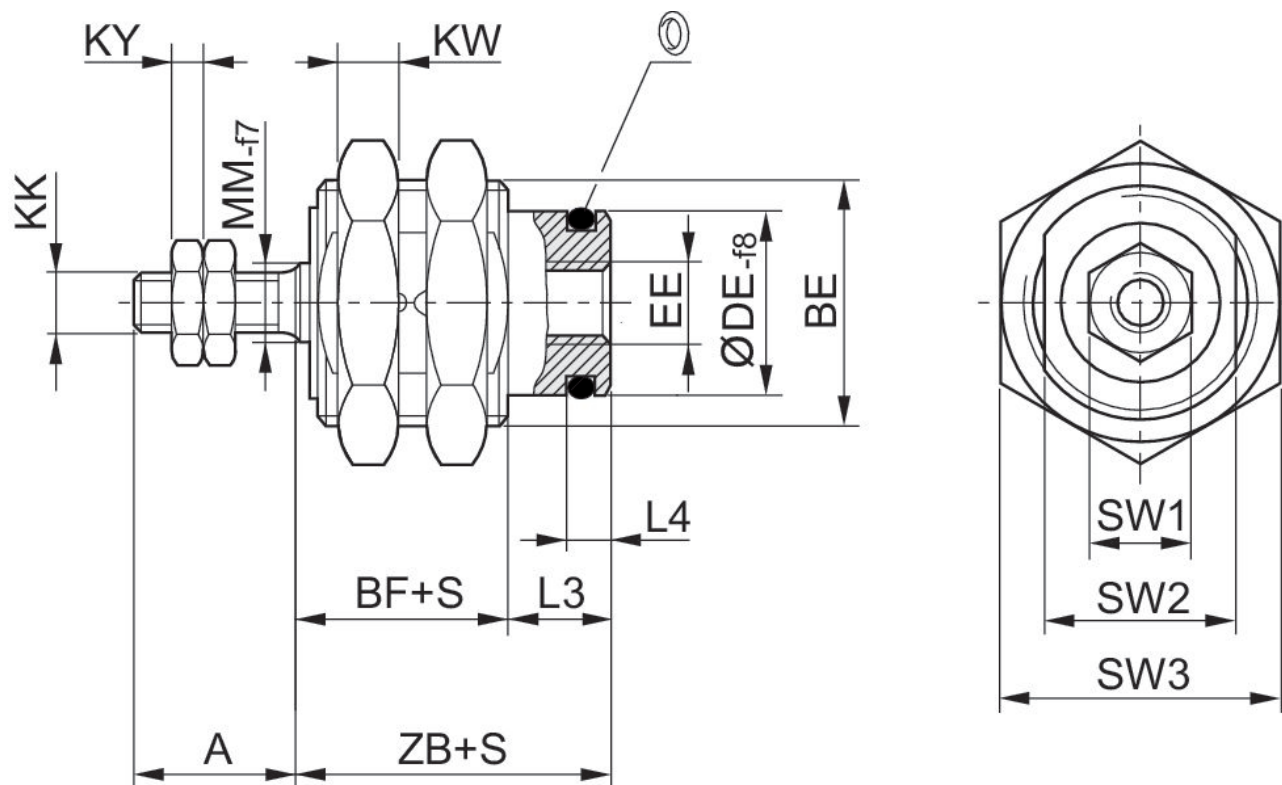
Screw-in cylinder, Series SWN

Series SWN

0822406910

2024-03-14

Dimensions



S = stroke

| Part No. | Piston Ø | S | A | BE | BF | DE 1) | Min. spring force [N] | Spring force [N] max. | EE |
|------------|----------|----|----|---------|------|-------|-----------------------|-----------------------|----|
| 0822406900 | 6 | 5 | 7 | M10x1 | 8.5 | 7.6 | 2.4 | 4.4 | M5 |
| 0822406901 | 6 | 10 | 7 | M10x1 | 10.5 | 7.6 | 2.1 | 5.8 | M5 |
| 0822406902 | 6 | 15 | 7 | M10x1 | 12.5 | 7.6 | 2.3 | 5 | M5 |
| 0822406910 | 10 | 5 | 10 | M16x1,5 | 9.5 | 12 | 5.8 | 9.2 | M5 |
| 0822406911 | 10 | 10 | 10 | M16x1,5 | 11 | 12 | 4.1 | 7.7 | M5 |
| 0822406912 | 10 | 15 | 10 | M16x1,5 | 13 | 12 | 3.9 | 8.3 | M5 |
| 0822406920 | 16 | 5 | 12 | M22x1,5 | 12.8 | 18.5 | 14 | 17 | M5 |
| 0822406921 | 16 | 10 | 12 | M22x1,5 | 13.8 | 18.5 | 11.5 | 16.5 | M5 |
| 0822406922 | 16 | 15 | 12 | M22x1,5 | 15.3 | 18.5 | 8.5 | 17.5 | M5 |

| Part No. | Piston Ø | KK | KW | KY | L3 | L4 | MM | SW1 | SW2 |
|------------|----------|----|----|-----|-----|-----|----|-----|-----|
| 0822406900 | 6 | M3 | 3 | 2.3 | 6 | 2.5 | 3 | 5.5 | 9 |
| 0822406901 | 6 | M3 | 3 | 2.3 | 6 | 2.5 | 3 | 5.5 | 9 |
| 0822406902 | 6 | M3 | 3 | 2.3 | 6 | 2.5 | 3 | 5.5 | 9 |
| 0822406910 | 10 | M4 | 6 | 3 | 7 | 3 | 5 | 7 | 14 |
| 0822406911 | 10 | M4 | 6 | 3 | 7 | 3 | 5 | 7 | 14 |
| 0822406912 | 10 | M4 | 6 | 3 | 7 | 3 | 5 | 7 | 14 |
| 0822406920 | 16 | M5 | 5 | 3.8 | 6.7 | 3.2 | 5 | 8 | 20 |
| 0822406921 | 16 | M5 | 5 | 3.8 | 6.7 | 3.2 | 5 | 8 | 20 |

Screw-in cylinder, Series SWN

Series SWN

0822406910

2024-03-14

| Part No. | Piston Ø | KK | KW | KY | L3 | L4 | MM | SW1 | SW2 |
|------------|----------|----|----|-----|-----|-----|----|-----|-----|
| 0822406922 | 16 | M5 | 5 | 3.8 | 6.7 | 3.2 | 5 | 8 | 20 |

| Part No. | Piston Ø | SW3 | ZB |
|------------|----------|-----|------|
| 0822406900 | 6 | 14 | 14.5 |
| 0822406901 | 6 | 14 | 16.5 |
| 0822406902 | 6 | 14 | 18.5 |
| 0822406910 | 10 | 22 | 16.5 |
| 0822406911 | 10 | 22 | 18 |
| 0822406912 | 10 | 22 | 20 |
| 0822406920 | 16 | 27 | 19.5 |
| 0822406921 | 16 | 27 | 20.5 |
| 0822406922 | 16 | 27 | 22 |

1) Recommended receiving bore DEH7