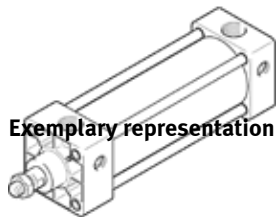


Standards-based cylinder

DSNA-N-2 1/2"- -

Part number: 8117045

FESTO



Data sheet

Overall data sheet – Individual values depend upon your configuration.

| Feature | Value |
|--|---|
| Stroke | 0.25 ... 48 " |
| Piston diameter | 2 1/2" |
| Piston rod thread | 7/16-20 UNF-2B 7/16-20 UNF-2A 5/8-18 UNF-2A 1/2-20 UNF-2A |
| Cushioning | PPV: Pneumatic cushioning adjustable at both ends |
| Assembly position | Any |
| Conforms to standard | NFPA/T3.6.7 |
| Piston-rod end | Male thread Female thread |
| Design structure | Piston Piston rod Tie rod Cylinder barrel |
| Position detection | For proximity sensor |
| Variants | Female thread on piston rod Piston rod with special thread Through piston rod Screwed swivel mounting position Spacer bolt on end cap side Spacer bolt on bearing cap side Temperature range -5 - 80 °C Single-ended piston rod Flange on the bearing cap Flange on the end cap Swivel clevis on the end cap Swivel mounting on the end cap Foot mounting Swivelling rod eye mounting on the end cap |
| Operating pressure MPa | 0.048 ... 0.965 MPa |
| Working pressure | 0.48 ... 9.65 bar |
| Operating pressure | 6.96 ... 139.925 psi |
| Mode of operation | double-acting |
| Operating medium | Compressed air in accordance with ISO8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation possible (subsequently required for further operation) |
| Corrosion resistance classification CRC | 1 - Low corrosion stress |
| PWIS conformity | VDMA24364 zone III |
| Ambient temperature | -5 ... 80 °C |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 393 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance | 420 N |
| Mounting type | Direct mounting via threads with accessories |

| Feature | Value |
|--------------------------|---|
| | Optional |
| Pneumatic connection | 3/8 NPT |
| Materials note | Conforms to RoHS |
| Material cover | Coated die-cast aluminium |
| Material seals | FPM NBR |
| Material piston rod | High alloy steel, non-corrosive |
| Material cylinder barrel | Smooth-anodised wrought aluminium alloy |