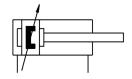
Profile cylinder DNC-1 5/8"-8"-PPV-A Part number: 177874

FESTO





Data sheet

| Feature | Value |
|--|---|
| Type code | DNC |
| Stroke | 203.2 mm |
| Piston diameter | 1 5/8" |
| Piston rod thread | 1/2-20 UNF-2A |
| Based on norm | ISO 15552 (previously also VDMA 24562, ISO 6431, NF E49 003.1, UNI 10290) |
| Cushioning | Pneumatic cushioning, adjustable at both ends |
| Mounting position | Any |
| Piston rod end | External thread |
| Structural design | Piston Piston rod Profile barrel |
| Position sensing | For proximity sensor |
| Symbol | 00991235 |
| Variants | Piston rod at one end |
| Operating pressure | 0.06 MPa 1.2 MPa |
| Operating pressure | 0.6 bar 12 bar |
| Mode of operation | Double-acting Double-acting |
| Operating medium | Compressed air as per ISO 8573-1:2010 [7:4:4] |
| Information on operating and pilot media | Operation with oil lubrication possible (required for further use) |
| Corrosion resistance class (CRC) | 2 - Moderate corrosion stress |
| Ambient temperature | -20 °C 80 °C |
| Impact energy in the end positions | 0.2 J |
| Cushioning length | 20 mm |
| Theoretical force at 6 bar, retracting | 633 N |
| Theoretical force at 6 bar, advancing | 754 N |
| Moving mass at 0 mm stroke | 307 g |
| Additional weight per 10 mm stroke | 45 g |
| Basic weight with 0 mm stroke | 800 g |
| Additional moving mass per 10 mm stroke | 16 g |
| Type of mounting | With internal thread With accessories |
| Pneumatic connection | NPT1/4-18 |
| Note on materials | RoHS-compliant |
| Cover material | Die-cast aluminum Coated |
| Seals material | TPE-U(PU) |

| Feature | Value |
|---------------------------------------|---|
| Piston rod material | High-alloy steel |
| · · · · · · · · · · · · · · · · · · · | Wrought aluminum alloy Smooth anodized |