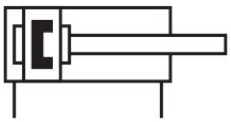
# Flat cylinder
# DZF-18-100-P-A

Part number: 164020





## Data sheet

| Feature | Value |
|---|---|
| Stroke | 100 mm |
| Piston diameter | 18 mm<br>Equivalent diameter |
| Piston rod thread | M4 |
| Max. angle of rotation of the piston rod +/- | 1.2 deg |
| Cushioning | Elastic cushioning rings/pads at both ends |
| Mounting position | Any |
| Mode of operation | Double-acting |
| Structural design | Piston<br>Piston rod |
| Position sensing | Via proximity switch |
| Variants | Piston rod at one end |
| Protection against torsion/guide | Oval piston |
| Operating pressure | 0.1 MPa...1 MPa<br>1 bar...10 bar |
| 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 |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Ambient temperature | -20 °C...80 °C |
| Impact energy in the end positions | 0.1 J |
| Max. torque for protection against rotation | 0.2 Nm |
| Theoretical force at 6 bar, retracting | 123 N |
| Theoretical force at 6 bar, advancing | 153 N |
| Moving mass at 0 mm stroke | 24 g |
| Additional moving mass per 10 mm stroke | 4 g |
| Additional weight per 10 mm stroke | 13 g |
| Basic weight with 0 mm stroke | 107 g |
| Type of mounting | Alternatively:<br>With internal thread<br>With accessories |
| Pneumatic connection | M5 |
| Cover material | Wrought aluminum alloy |

| Feature | Value |
|---|---|
| Seals material | NBR<br>TPE-U(PU) |
| Housing material | Wrought aluminum alloy, anodized |
| Piston seal material | NBR |
| Piston rod material | high-alloy stainless steel |