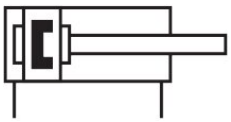
# Flat cylinder
# DZF-40-50-P-A

Part number: 164056



General operating condition

Flat cylinder

Product details

Category page

Spare parts

## Data sheet

| Feature | Value |
|---|---|
| Stroke | 50 mm |
| Piston diameter | 40 mm<br>Equivalent diameter |
| Piston rod thread | M8 |
| Torsional backlash at piston rod +/- | 0.6 deg |
| Cushioning | Elastic cushioning rings/plates at both ends |
| Mounting position | Any |
| Mode of operation | Double-acting |
| Design | Piston<br>Piston rod |
| Position detection | Via proximity switch |
| Symbol | 00991217 |
| Variants | Piston rod at one end |
| Protection against torque/guide | Oval piston |
| Operating pressure | 0.1 MPa ... 1 MPa |
| Operating pressure | 1 bar ... 10 bar |
| Operating medium | Compressed air to ISO 8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation possible (in which case lubricated operation will always be required) |
| Corrosion resistance class CRC | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Ambient temperature | -20 °C ... 80 °C |
| Impact energy in end positions | 0.52 J |
| Max. torque for protection against torsion | 1 Nm |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke | 633 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 754 N |
| Moving mass for 0 mm stroke | 120 g |
| Additional moving mass per 10 mm stroke | 16 g |
| Additional weight per 10 mm stroke | 40 g |
| Basic weight for 0 mm stroke | 480 g |
| Type of mounting | With female thread<br>With accessories |
| Pneumatic connection | G1/8 |

| Feature | Value |
|---|---|
| Material cover | Die-cast aluminium |
| Material seals | NBR<br>TPE-U(PU) |
| Material housing | Anodised wrought aluminium alloy |
| Material piston seal | NBR |
| Material piston rod | High-alloy steel |