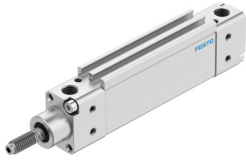


# Flat cylinder DZH-20-50-PPV-A

Part number: 151136

FESTO



## Data sheet

| Feature  | Value  |
|--|--|
| Stroke   | 50 mm  |
| Piston diameter  | 20 mm<br>Equivalent diameter   |
| Torsional backlash at piston rod +/-                         | 2.6 deg  |
| Cushioning   | Pneumatic cushioning, adjustable at both ends  |
| Mounting position  | optional   |
| Mode of operation  | Double-acting  |
| Design   | Piston<br>Piston rod   |
| Position detection   | Via proximity switch   |
| Protection against torque/guide                              | Oval piston  |
| Operating pressure   | 0.1 MPa...1 MPa<br>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-B2-L   |
| Ambient temperature  | -20 °C...80 °C   |
| Cushioning length  | 17 mm  |
| Max. torque for protection against torsion                   | 0.6 Nm   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke  | 158 N  |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 188 N  |
| Additional weight per 10 mm stroke                           | 15 g   |
| Basic weight for 0 mm stroke                                 | 230 g  |
| Type of mounting   | Via female thread<br>With accessories<br>Either:   |
| Pneumatic connection   | G1/8   |
| Note on materials  | RoHS-compliant   |
| Material cover   | Aluminium  |
| Material seals   | TPE-U(PU)  |
| Material housing   | Aluminium  |

| Feature             | Value            |
|---------------------|------------------|
| Material piston rod | High-alloy steel |