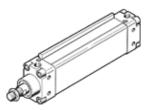
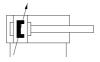
Flat cylinder DZH-50-80-PPV-A Part number: 14066

Non-rotating, for proximity sensing, with adjustable cushioning at both ends. Various mounting options, with or without additional mounting components.



Data sheet

| Feature | Value |
|--|--|
| Stroke | 80 mm |
| Piston diameter | 50 mm |
| | Equivalent diameter |
| Max. angular deflection of piston rod +/- | 0.75 deg |
| Cushioning | PPV: Pneumatic cushioning adjustable at both ends |
| Assembly position | Any |
| Mode of operation | double-acting |
| Design structure | Piston |
| | Piston rod |
| Position detection | For proximity sensor |
| Protection against torque/guide | Oval piston |
| Operating pressure MPa | 0.06 1 MPa |
| Working pressure | 0.6 10 bar |
| 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 | 2 - Moderate corrosion stress |
| PWIS conformity | VDMA24364-B2-L |
| Ambient temperature | -20 80 °C |
| Cushioning length | 23 mm |
| Max. torque for protection against rotation | 1.7 Nm |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 989.6 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance | 1,178 N |
| Additional weight per 10 mm stroke | 60 g |
| Basic weight for 0 mm stroke | 1,200 g |
| Mounting type | with internal (female) thread |
| | with accessories |
| | Optional |
| Pneumatic connection | G1/4 |
| Materials note | Conforms to RoHS |
| Material cover | Aluminum |
| Material seals | TPE-U(PU) |
| Material housing | Aluminum |
| Material piston rod | High alloy steel |



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