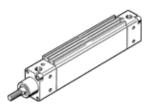
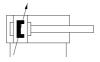
## Flat cylinder DZH-16-100-PPV-A Part number: 151149

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   | 100 mm   |
| Piston diameter  | 16 mm  |
|  | Equivalent diameter  |
| Max. angular deflection of piston rod +/-                | 3.1 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                                   | 0.1 1 MPa  |
| Working pressure   | 1 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  | 14 mm  |
| Max. torque for protection against rotation              | 0.5 Nm   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 104 N  |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance    | 121 N  |
| Additional weight per 10 mm stroke                       | 11 g   |
| Basic weight for 0 mm stroke                             | 140 g  |
| Mounting type  | with internal (female) thread                                    |
|  | with accessories   |
|  | Optional   |
| Pneumatic connection                                     | M5   |
| Materials note   | Conforms to RoHS   |
| Material cover   | Aluminum   |
| Material seals   | TPE-U(PU)  |
| Material housing   | Aluminum   |
| Material piston rod                                      | High alloy steel   |



**FESTO**