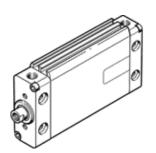
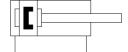
## flat cylinder DZF-50-80-P-A Part number: 164071

**FESTO** 

Non-rotating, for position sensing, with elastic cushioning rings in end positions. 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 +/-                | 0.5 deg  |
| Cushioning   | P: Flexible cushioning rings/plates 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  |
| Operating 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-B1/B2-L  |
| Ambient temperature                                      | -20 80 °C  |
| Max. torque for protection against rotation              | 1.2 Nm   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 990 N  |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance    | 1,178 N  |
| Moving mass with 0 mm stroke                             | 219 g  |
| Additional mass factor per 10 mm of stroke               | 25 g   |
| Additional weight per 10 mm stroke                       | 64 g   |
| Basic weight for 0 mm stroke                             | 854 g  |
| Mounting type  | with internal (female) thread                                    |
|  | with accessories   |
|  | Optional   |
| Pneumatic connection                                     | G1/4   |
| Material cover   | Wrought Aluminium alloy  |
| Material seals   | NBR  |
|  | TPE-U(PU)  |
| Material housing   | Aluminium  |
|  | Smooth anodised  |
| Material piston rod                                      | High alloy steel   |