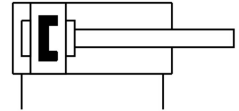


# Flat cylinder DZF-50-320-A-P-A

Part number: 161303

FESTO



## Data sheet

| Feature                                      | Value  |
|--|--|
| Stroke                                       | 320 mm   |
| Piston diameter                              | 50 mm<br>Equivalent diameter                                       |
| Max. angle of rotation of the piston rod +/- | 0.5 deg  |
| Type code                                    | DZF  |
| Cushioning                                   | Elastic cushioning rings/pads at both ends                         |
| Mounting position                            | Any  |
| Mode of operation                            | Double-acting  |
| Design                                       | Piston<br>Piston rod   |
| Position sensing                             | For proximity sensor   |
| Symbol                                       | 00991217   |
| Protection against torsion/guide             | Oval piston  |
| Operating pressure                           | 1 bar ... 10 bar   |
| Operating pressure                           | 0.1 MPa ... 1 MPa  |
| Operating medium                             | Compressed air as per ISO 8573-1:2010 [7:4:4]                      |
| Information on operating and pilot media     | Operation with oil lubrication possible (required for further use) |
| Corrosion resistance class (CRC)             | 2 - Moderate corrosion stress                                      |
| Ambient temperature                          | -20 °C ... 80 °C   |
| Max. torque for protection against rotation  | 1.2 Nm   |
| Theoretical force at 6 bar, retracting       | 990 N  |
| Theoretical force at 6 bar, advancing        | 1178 N   |
| Moving mass at 0 mm stroke                   | 219 g  |
| Additional weight per 10 mm stroke           | 64 g   |
| Basic weight with 0 mm stroke                | 854 g  |
| Additional moving mass per 10 mm stroke      | 25 g   |
| Type of mounting                             | Optionally:<br>With internal thread<br>With accessories            |
| Pneumatic connection                         | G1/4   |
| Cover material                               | Wrought aluminum alloy   |
| Seals material                               | NBR<br>TPE-U(PU)   |
| Housing material                             | Aluminum<br>Smooth anodized  |
| Piston rod material                          | High-alloy steel   |