

# Flat cylinder

## DZF-1 1 1/4"-4"-A-P-A

Part number: 194187

FESTO



### Data sheet

| Feature  | Value  |
|--|--|
| Stroke   | 4 in   |
| Piston diameter  | 1 1/4"   |
| Torsional backlash at piston rod +/-                         | 0.8 deg  |
| Cushioning   | Elastic cushioning rings/plates at both ends   |
| Mode of operation  | Double-acting  |
| 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-B1/B2-L  |
| Ambient temperature  | -20 °C...80 °C   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke  | 415 N  |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 483 N  |
| Moving mass for 0 mm stroke                                  | 65 g   |
| Additional moving mass per 10 mm stroke                      | 180 g  |
| Additional weight per 10 mm stroke                           | 9 g  |
| Basic weight for 0 mm stroke                                 | 272 g  |
| Pneumatic connection   | 1/8 NPT  |
| Material cover   | Aluminium  |
| Material seals   | FPM<br>TPE-U(PU)   |
| Material housing   | Wrought aluminium alloy  |
| Material piston rod  | High-alloy steel   |