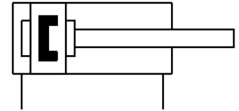


**Flat cylinder**  
**DZF-1/2"-6"-A-P-A**  
 Part number: 194120

**FESTO**



**Data sheet**

| Feature                                      | Value                                                              |
|----------------------------------------------|--------------------------------------------------------------------|
| Stroke                                       | 152.4 mm                                                           |
| Piston diameter                              | 1/2"                                                               |
| Max. angle of rotation of the piston rod +/- | 2.5 deg                                                            |
| Type code                                    | DZF                                                                |
| Cushioning                                   | Elastic cushioning rings/pads at both ends                         |
| Mode of operation                            | Double-acting                                                      |
| Symbol                                       | 00991217                                                           |
| Protection against torsion/guide             | Oval piston                                                        |
| Operating pressure                           | 0.16 MPa ... 1 MPa                                                 |
| Operating pressure                           | 1.6 bar ... 10 bar                                                 |
| 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                                                   |
| Theoretical force at 6 bar, retracting       | 51 N                                                               |
| Theoretical force at 6 bar, advancing        | 68 N                                                               |
| Moving mass at 0 mm stroke                   | 12 g                                                               |
| Additional weight per 10 mm stroke           | 2 g                                                                |
| Basic weight with 0 mm stroke                | 96 g                                                               |
| Pneumatic connection                         | 10-32 UNF-2B                                                       |
| Cover material                               | Aluminum                                                           |
| Seals material                               | FPM<br>TPE-U(PU)                                                   |
| Housing material                             | Wrought aluminum alloy                                             |
| Piston rod material                          | High-alloy stainless steel                                         |