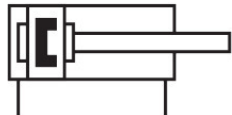


**Flat cylinder**  
**DZF-1"-1/2"-P-A**  
Part number: 194168

**FESTO**



**Data sheet**

Feature	Value
Stroke	0.5 in
Piston diameter	1 "
Max. angle of rotation of the piston rod +/-	1 deg
Cushioning	Elastic cushioning rings/pads at both ends
Mode of operation	Double-acting
Protection against torsion/guide	Oval piston
Operating pressure	0.1 MPa...1 MPa 1 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
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Ambient temperature	-20 °C...80 °C
Theoretical force at 6 bar, retracting	247 N
Theoretical force at 6 bar, advancing	295 N
Moving mass at 0 mm stroke	40 g
Additional moving mass per 10 mm stroke	13 g
Additional weight per 10 mm stroke	6 g
Basic weight with 0 mm stroke	168 g
Pneumatic connection	10-32 UNF-2B
Cover material	Aluminum
Seals material	FPM TPE-U(PU)
Housing material	Wrought aluminum alloy
Piston rod material	High-alloy stainless steel