

# Flat cylinder DZF-1/2"- -A-P-A

Part number: 162972

FESTO



## Data sheet

Feature	Value
Stroke	0.04 in...8 in
Piston diameter	1/2"
Piston rod thread	10-32 UNF-2A
Torsional backlash at piston rod +/-	2.5 deg
Cushioning	Elastic cushioning rings/plates at both ends
Mode of operation	Double-acting
Protection against torque/guide	Oval piston
Operating pressure	0.16 MPa...1 MPa 1.6 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
Impact energy in end positions	0.066 ft-lbf
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	51 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	68 N
Moving mass for 0 mm stroke	12 g
Additional moving mass per 10 mm stroke	22 g
Additional weight per 10 mm stroke	2 g
Basic weight for 0 mm stroke	96 g
Pneumatic connection	10-32 UNF-2B
Material cover	Wrought aluminium alloy
Material seals	NBR TPE-U(PU)
Material housing	Anodised wrought aluminium alloy
Material piston seal	NBR
Material piston rod	High-alloy stainless steel