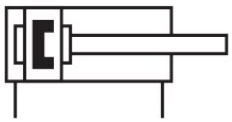
Flat cylinder
DZF-50-250-A-P-A

Part number: 161302



Data sheet

Feature	Value
Stroke	250 mm
Piston diameter	50 mm Equivalent diameter
Piston rod thread	M16x1.5
Torsional backlash at piston rod +/-	0.5 deg
Cushioning	Elastic cushioning rings/plates at both ends
Mounting position	optional
Mode of operation	Double-acting
Design	Piston Piston rod
Position detection	Via proximity switch
Variants	Piston rod at one end
Protection against torque/guide	Oval piston
Operating pressure	0.1 MPa...1 MPa 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
Impact energy in end positions	0.64 J
Max. torque for protection against torsion	1.2 Nm
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	990 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	1178 N
Moving mass for 0 mm stroke	219 g
Additional moving mass per 10 mm stroke	25 g
Additional weight per 10 mm stroke	64 g
Basic weight for 0 mm stroke	854 g
Type of mounting	Either: Via female thread With accessories
Pneumatic connection	G1/4
Material cover	Die-cast aluminium

Feature	Value
Material seals	NBR TPE-U(PU)
Material housing	Anodised wrought aluminium alloy
Material piston seal	NBR
Material piston rod	High-alloy steel