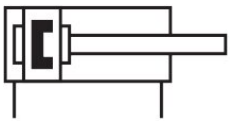
Flat cylinder
DZF-63-80-P-A

Part number: 164085



General operating condition

Data sheet

Feature	Value
Stroke	80 mm
Piston diameter	63 mm Equivalent diameter
Piston rod thread	M10
Torsional backlash at piston rod +/-	0.4 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
Symbol	00991217
Variants	Piston rod at one end
Protection against torque/guide	Oval piston
Operating pressure	0.1 MPa ... 1 MPa
Operating pressure	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	0.7 J
Max. torque for protection against torsion	1.5 Nm
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	1682 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	1870 N
Moving mass for 0 mm stroke	337 g
Additional moving mass per 10 mm stroke	25 g
Additional weight per 10 mm stroke	91 g
Basic weight for 0 mm stroke	1379 g
Type of mounting	Either: Via female thread With accessories
Pneumatic connection	G1/4
Material cover	Die-cast aluminium
Material seals	NBR TPE-U(PU)

Feature	Value
Material housing	Anodised wrought aluminium alloy
Material piston seal	NBR
Material piston rod	High-alloy steel