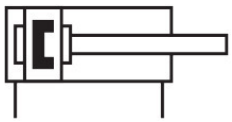
Flat cylinder
DZF-18-100-A-P-A

Part number: 161242



Data sheet

Feature	Value
Stroke	100 mm
Piston diameter	18 mm Equivalent diameter
Piston rod thread	M8
Max. angle of rotation of the piston rod +/-	1.2 deg
Cushioning	Elastic cushioning rings/pads at both ends
Mounting position	Any
Mode of operation	Double-acting
Structural design	Piston Piston rod
Position sensing	For proximity sensor
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
Impact energy in the end positions	0.1 J
Max. torque for protection against rotation	0.2 Nm
Theoretical force at 6 bar, retracting	123 N
Theoretical force at 6 bar, advancing	153 N
Moving mass at 0 mm stroke	24 g
Additional moving mass per 10 mm stroke	4 g
Additional weight per 10 mm stroke	13 g
Basic weight with 0 mm stroke	107 g
Type of mounting	With internal thread With accessories Optionally:
Pneumatic connection	M5
Cover material	Wrought aluminum alloy

Feature	Value
Seals material	NBR TPE-U(PU)
Housing material	Wrought aluminum alloy, anodized
Piston seal material	NBR
Piston rod material	High-alloy stainless steel