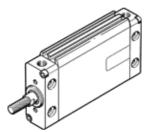
Flat cylinder DZF-25-100-A-P-A Part number: 161255

Non-rotating, for position sensing, with elastic cushioning rings in end positions. Various mounting options, with or without additional mounting components.



Data sheet

Feature	Value
Stroke	100 mm
Piston diameter	25 mm
	Equivalent diameter
Max. angular deflection of piston rod +/-	1 deg
Cushioning	P: Flexible cushioning rings/plates at both ends
Assembly position	Any
Mode of operation	double-acting
Design structure	Piston
	Piston rod
Position detection	For proximity sensor
Protection against torque/guide	Oval piston
Operating pressure MPa	0.1 1 MPa
Working pressure	1 10 bar
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (subsequently required for further
	operation)
Corrosion resistance classification CRC	2 - Moderate corrosion stress
PWIS conformity	VDMA24364-B1/B2-L
Ambient temperature	-20 80 °C
Max. torque for protection against rotation	0.5 Nm
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	247 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	295 N
Moving mass with 0 mm stroke	40 g
Additional mass factor per 10 mm of stroke	6 g
Additional weight per 10 mm stroke	18 g
Basic weight for 0 mm stroke	168 g
Mounting type	with internal (female) thread
	with accessories
	Optional
Pneumatic connection	M5
Material cover	Wrought Aluminum alloy
Material seals	NBR
	TPE-U(PU)
Material housing	Aluminum
	Smooth anodized
Material piston rod	High alloy steel, non-corrosive

11/08/2023 – Subject to change – Festo SE & Co. KG	
11/06/2025 – Subject to change – resto SE & CO. No	

FESTO