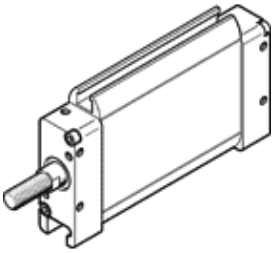
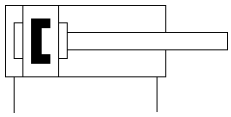
flat cylinder
DZF-18-200-A-P-A

Part number: 161245

FESTO

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	200 mm
Piston diameter	18 mm Equivalent diameter
Max. angular deflection of piston rod +/-	1.2 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
Operating 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	0.2 Nm
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	123 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	153 N
Moving mass with 0 mm stroke	24 g
Additional mass factor per 10 mm of stroke	4 g
Additional weight per 10 mm stroke	13 g
Basic weight for 0 mm stroke	107 g
Mounting type	with internal (female) thread with accessories Optional
Pneumatic connection	M5
Material cover	Wrought Aluminium alloy
Material seals	NBR TPE-U(PU)
Material housing	Aluminium Smooth anodised
Material piston rod	High alloy steel, non-corrosive