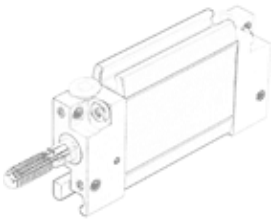
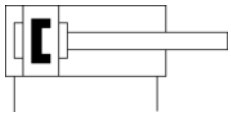
Flat cylinder
DZF-12-50-A-P-A

Part number: 161227

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	values
Stroke	50 mm
Piston diameter	12 mm Equivalent diameter
Max. angular deflection of piston rod +/-	2.5 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
Working pressure	1.6 ... 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
Ambient temperature	-20 ... 80 °C
Max. torque for protection against rotation	0.1 Nm
Theoretical force at 6 bar, return stroke	51 N
Theoretical force at 6 bar, advance stroke	68 N
Moving mass with 0 mm stroke	12 g
Additional weight per 10 mm stroke	9 g
Basic weight for 0 mm stroke	96 g
Additional mass factor per 10 mm of stroke	2 g
Mounting type	Optional with internal (female) thread with accessories
Pneumatic connection	M5
Materials information for cover	Wrought Aluminum alloy
Materials information for seals	NBR TPE-U(PU)
Materials information, housing	Aluminum Smooth anodized
Materials information for piston rod	High alloy steel, non-corrosive