

compact cylinder ADNGF-100-50-P-A

Part number: 554292

FESTO

According to ISO 21287, with plain-bearing guide, piston rod secured against rotation by means of guide rods and yoke plate.



Data sheet

Feature	Value
Stroke	50 mm
Piston diameter	100 mm
Based on the standard	ISO 21287
Cushioning	P: Flexible cushioning rings/plates at both ends
Assembly position	Any
Design structure	Piston Piston rod Profile barrel
Position detection	For proximity sensor
Protection against torque/guide	Guide rod with yoke
Operating pressure	1 ... 10 bar
Mode of operation	double-acting
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
Ambient temperature	-20 ... 80 °C
Impact energy in end positions	2.5 J
Theoretical force at 6 bar, return stroke	4,524 N
Theoretical force at 6 bar, advance stroke	4,712 N
Moving mass with 0 mm stroke	1,089 g
Additional weight per 10 mm stroke	116 g
Basic weight for 0 mm stroke	2,673 g
Additional mass factor per 10 mm of stroke	43 g
Pneumatic connection	G1/8
Materials note	Conforms to RoHS
Material cover	Aluminium die cast coated
Material seals	TPE-U(PUR)
Material piston rod	High alloy steel
Material cylinder barrel	Wrought Aluminium alloy Smooth anodised