

# Compact cylinder ADNGF-16-50-P-A

Part number: 554219

**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	values
Stroke	50 mm
Piston diameter	16 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
Working pressure	1.5 ... 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
Ambient temperature	-20 ... 80 °C
Impact energy in end positions	0.15 J
Theoretical force at 6 bar, return stroke	90 N
Theoretical force at 6 bar, advance stroke	121 N
Moving mass with 0 mm stroke	29 g
Additional weight per 10 mm stroke	16 g
Basic weight for 0 mm stroke	93 g
Additional mass factor per 10 mm of stroke	6 g
Pneumatic connection	M5
Materials note	Conforms to RoHS
Materials information for cover	Aluminum Anodized
Materials information for seals	TPE-U(PUR)
Materials information for piston rod	High alloy steel
Materials information for cylinder barrel	Wrought Aluminum alloy Smooth anodized