

# compact cylinder ADNGF-50-10-P-A

Part number: 554259

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	10 mm
Piston diameter	50 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	1 J
Theoretical force at 6 bar, return stroke	1,057 N
Theoretical force at 6 bar, advance stroke	1,178 N
Moving mass with 0 mm stroke	287 g
Additional weight per 10 mm stroke	64 g
Basic weight for 0 mm stroke	687 g
Additional mass factor per 10 mm of stroke	29 g
Pneumatic connection	G1/8
Materials note	Conforms to RoHS
Material cover	Aluminium Anodised
Material seals	TPE-U(PUR)
Material piston rod	High alloy steel
Material cylinder barrel	Wrought Aluminium alloy Smooth anodised