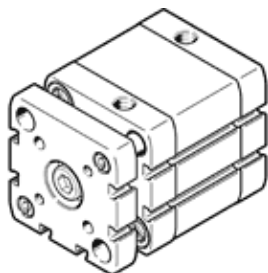


# Compact cylinder ADNGF-50-80-PPS-A

Part number: 574048

**FESTO**



## Data sheet

Feature	values
Stroke	80 mm
Piston diameter	50 mm
Based on the standard	ISO 21287
Cushioning	PPS: Self-adjusting pneumatic end-position cushioning
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	1.4 ... 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	2.8 J
Cushioning length	6 mm
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
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