

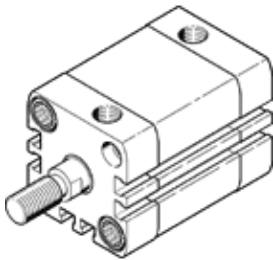
Compact cylinder ADN-50-80-A-P-A

Part number: 536319

★ Core product range

Per ISO 21287, with position sensing and external piston rod thread

FESTO



Data sheet

Feature	values
Stroke	80 mm
Piston diameter	50 mm
Piston rod thread	M12x1,25
Cushioning	P: Flexible cushioning rings/plates at both ends
Assembly position	Any
Conforms to standard	ISO 21287
Piston-rod end	Male thread
Position detection	For proximity sensor
Variants	Single-ended piston rod
Working pressure	0.6 ... 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	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	140 g
Additional weight per 10 mm stroke	51 g
Basic weight for 0 mm stroke	540 g
Additional mass factor per 10 mm of stroke	16 g
Mounting type	Optional with through hole with internal (female) thread with accessories
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