

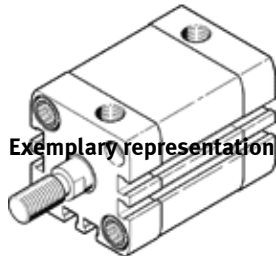
compact cylinder ADN-80- -

Part number: 536351

☆ Core product range

In accordance with ISO 21287, for position sensing, with male or female thread on the piston rod.

FESTO



Exemplary representation

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	1 ... 500 mm
Piston diameter	80 mm
Based on the standard	ISO 21287
Cushioning	P: Flexible cushioning rings/plates at both ends PPS: Self-adjusting pneumatic end-position cushioning
Assembly position	Any
Design structure	Piston Piston rod Profile barrel
Position detection	For proximity sensor
Variants	EX protection approval (ATEX) improved running performance Extended male piston rod thread Piston rod with special thread Extended piston rod With protection against rotation Excellent corrosion protection Dust protection Constant slow movement Low-friction Through piston rod Through, hollow piston rod Heat resistant seals, max. 120 °C laser etched rating plate Temperature range -40 - 80 °C Single-ended piston rod
Operating pressure	0.6 ... 10 bar
Mode of operation	double-acting
CE mark (see declaration of conformity)	to EU directive explosion protection (ATEX)
ATEX category Gas	II 2G
ATEX category Dust	II 2D
Explosion ignition protection type Gas	Ex h IIC T4 Gb
Explosion ignition protection type Dust	Ex h IIIC T120 °C Db
Explosion-proof ambient temperature	-20 °C ≤ Ta ≤ +60 °C
Operating medium	Compressed air in accordance with ISO 8573-1:2010 [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 3 - High corrosion stress
Ambient temperature	-40 ... 120 °C
Theoretical force at 6 bar, return stroke	2,827 N

Feature	Value
Theoretical force at 6 bar, advance stroke	2,827 ... 3,016 N
Moving mass with 0 mm stroke	400 g
Additional weight per 10 mm stroke	79 g
Basic weight for 0 mm stroke	1,300 g
Additional mass factor per 10 mm of stroke	25 g
Mounting type	with through hole with internal (female) thread with accessories Optional
Pneumatic connection	G1/8
Materials note	Conforms to RoHS
Material cover	Aluminium Anodised
Material piston rod	High alloy steel
Material cylinder barrel	Wrought Aluminium alloy Smooth anodised