

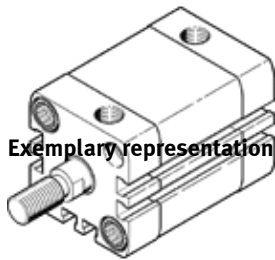
Compact cylinder

ADN-1/2"- -

Part number: 557018

FESTO

For position sensing, with male or female thread on the piston rod.



Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	0.039 ... 11.811 "
Piston diameter	1/2"
Based on the standard	ISO 21287
Cushioning	P: Flexible cushioning rings/plates at both ends
Assembly position	Any
Mode of operation	double-acting
Design structure	Piston Piston rod Profile barrel
Position detection	For proximity sensor
Variants	Extended male piston rod thread Extended piston rod With protection against rotation Excellent corrosion protection Through piston rod Heat resistant seals, max. 120°C Single-ended piston rod
Protection against torque/guide	Square piston rod
Operating pressure MPa	0.1 ... 1 MPa
Working pressure	1 ... 10 bar
Operating pressure	14.5 ... 145 psi
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 3 - High corrosion stress
PWIS conformity	VDMA24364-B1/B2-L
Ambient temperature	-4 ... 248 °F
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	11.465 lbf
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	11.465 ... 15.287 lbf
Mounting type	with through hole with internal (female) thread with accessories Optional
Pneumatic connection	10-32 UNF-2B
Material of flange screw	Steel
Material cover	Anodised wrought aluminium alloy
Material piston rod	High alloy steel
Material cylinder barrel	Smooth-anodised wrought aluminium alloy