

# Compact air cylinder ADN-1/2"- -

Part number: 557018

**FESTO**



## Data sheet

Feature	Value
Stroke	0.039 in...11.8 in
Piston diameter	1/2"
Based on norm	ISO 21287
Cushioning	Elastic cushioning rings/pads at both ends
Mounting position	Any
Mode of operation	Double-acting
Structural design	Piston Piston rod Profile barrel
Position sensing	For proximity sensor
Variants	Extended external thread piston rod Extended piston rod With anti-twist protection High corrosion protection Through piston rod Heat-resistant seals max. 120°C Piston rod at one end
Protection against torsion/guide	Square piston rod
Operating pressure	0.1 MPa...1 MPa 1 bar...10 bar 14.5 psi...145 psi
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Corrosion resistance class (CRC)	2 - Moderate corrosion stress 3 - High corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Ambient temperature	-4 °F...248 °F
Theoretical force at 6 bar, retracting	11.5 lbf
Theoretical force at 6 bar, advancing	11.5 lbf...15.3 lbf
Type of mounting	With through-hole With internal thread With accessories Optionally:
Pneumatic connection	10-32 UNF-2B
Flange screws material	Steel

Feature	Value
Cover material	Wrought aluminum alloy, anodized
Piston rod material	High-alloy steel
Material of cylinder barrel	Wrought aluminum alloy, smooth-anodized