

# Compact air cylinder ADN-1/2"-1"-I-P-A

Part number: 557028

**FESTO**



## Data sheet

Feature	Value
Stroke	1 in
Piston diameter	1/2"
Piston rod thread	4-48 UNF-2B
Based on norm	ISO 21287
Cushioning	Elastic cushioning rings/pads at both ends
Mounting position	Any
Mode of operation	Double-acting
Piston rod end	Internal thread
Structural design	Piston Piston rod Profile barrel
Position sensing	For proximity sensor
Variants	Piston rod at one end
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
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Ambient temperature	-4 °F...176 °F
Impact energy in the end positions	0.052 ft-lbf
Theoretical force at 6 bar, retracting	11.5 lbf
Theoretical force at 6 bar, advancing	15.3 lbf
Moving mass at 0 mm stroke	0.319 oz
Additional moving mass per 10 mm stroke	0.425 oz
Basic weight with 0 mm stroke	2.73 oz
Additional weight per 10 mm stroke	0.071 oz
Type of mounting	Optionally: With through-hole With internal thread With accessories
Pneumatic connection	10-32 UNF-2B

<b>Feature</b>	<b>Value</b>
Flange screws material	Steel
Cover material	Wrought aluminum alloy, anodized
Material of dynamic seals	TPE-U(PU)
Piston rod material	High-alloy steel
Material of cylinder barrel	Wrought aluminum alloy, smooth-anodized