

# Compact air cylinder ADNGF-1/2"-1"-P-A

Part number: 557 202

FESTO



## Data sheet

Feature	Value
Stroke	1 in
Piston diameter	1/2"
Based on norm	ISO 21287
Cushioning	Elastic cushioning rings/pads at both ends
Mounting position	Any
Structural design	Piston Piston rod Profile barrel
Position sensing	For proximity sensor
Protection against torsion/guide	Guide rod with yoke
Operating pressure	0.1 MPa...1 MPa 1 bar...10 bar
Mode of operation	Double-acting
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	0.779 oz
Additional moving mass per 10 mm stroke	0.496 oz
Basic weight with 0 mm stroke	3.19 oz
Additional weight per 10 mm stroke	0.142 oz
Type of mounting	Optionally: With through-hole With internal thread With accessories
Pneumatic connection	10-32 UNF-2B
Flange screws material	Steel
Cover material	Wrought aluminum alloy, anodized
Seals material	NBR

Feature	Value
Material of dynamic seals	TPE-U(PU)
End plate material	Wrought aluminum alloy, anodized
Piston rod material	High-alloy steel
Material of cylinder barrel	Wrought aluminum alloy, smooth-anodized