

# Compact air cylinder

## ADNGF-1 5/8"-2 1/2"-P-A

Part number: 557249

FESTO



## Data sheet

Feature	Value
Stroke	2.5 in
Piston diameter	1 5/8"
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	0.516 ft-lbf
Theoretical force at 6 bar, retracting	154 lbf
Theoretical force at 6 bar, advancing	170 lbf
Moving mass at 0 mm stroke	5.81 oz
Additional moving mass per 10 mm stroke	1.59 oz
Basic weight with 0 mm stroke	15.2 oz
Additional weight per 10 mm stroke	0.602 oz
Type of mounting	Optionally: With through-hole With internal thread With accessories
Pneumatic connection	1/8 NPT
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