

Compact cylinder

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

Part number: 557249

FESTO

According to ISO 21287, with plain-bearing guide, piston rod secured against rotation by means of guide rods and yoke plate.



Data sheet

Feature	values
Stroke	2.5 "
Piston diameter	1 5/8"
Based on the standard	ISO 21287
Cushioning	P: Flexible cushioning rings/plates at both ends
Assembly position	Any
Design structure	Piston Piston rod Profile barrel
Position detection	For proximity sensor
Protection against torque/guide	Guide rod with yoke
Working pressure	14.5 ... 145 Psi
Mode of operation	double-acting
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
Ambient temperature	-4 ... 176 °F
Impact energy in end positions	0.516 ft-lbf
Theoretical force at 6 bar, return stroke	154.219 lbf
Theoretical force at 6 bar, advance stroke	169.506 lbf
Moving mass with 0 mm stroke	5.806 oz
Additional weight per 10 mm stroke	0.602 oz
Basic weight for 0 mm stroke	15.222 oz
Additional mass factor per 10 mm of stroke	1.593 oz
Mounting type	Optional with through hole with internal (female) thread with accessories
Pneumatic connection	NPT1/8-27
Materials information for collar screws	Steel
Materials information for cover	Wrought Aluminum alloy Anodized
Materials information for seals	NBR
Materials information for dynamic seals	TPE-U(PU)
Materials information for piston rod	High alloy steel
Materials information for cylinder barrel	Wrought Aluminum alloy Smooth anodized