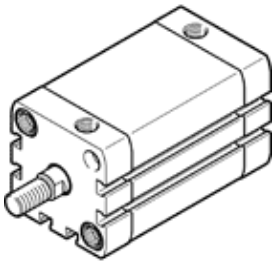


Compact cylinder

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

Part number: 557107

FESTO



Data sheet

Feature	Value
Stroke	2.5 "
Piston diameter	1 5/8"
Piston rod thread	UNF3/8-24
Cushioning	P: Flexible cushioning rings/plates at both ends
Assembly position	Any
Conforms to standard	ISO 21287
Piston-rod end	Male thread
Design structure	Piston Piston rod Profile barrel
Position detection	For proximity sensor
Variants	Single-ended piston rod
Working pressure	1 ... 10 bar
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 - Moderate corrosion stress
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	2.832 oz
Additional weight per 10 mm stroke	0.319 oz
Basic weight for 0 mm stroke	12.248 oz
Additional mass factor per 10 mm of stroke	1.31 oz
Mounting type	Optional with through hole with internal (female) thread with accessories
Pneumatic connection	NPT1/8-27
Material of flange screw	Steel
Material cover	Wrought Aluminum alloy Anodized
Material seals	NBR
Material of dynamic seals	TPE-U(PU)
Material piston rod	High alloy steel
Material cylinder barrel	Wrought Aluminum alloy Smooth anodized