

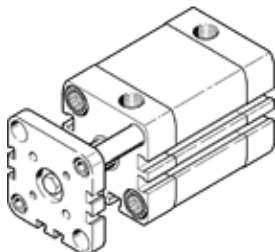
# Compact cylinder

## ADNGF-1 1/4"-2 1/2"-P-A

Part number: 557239

**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 1/4"
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	0.295 ft-lbf
Theoretical force at 6 bar, return stroke	93.296 lbf
Theoretical force at 6 bar, advance stroke	108.583 lbf
Moving mass with 0 mm stroke	4.319 oz
Additional weight per 10 mm stroke	0.602 oz
Basic weight for 0 mm stroke	11.576 oz
Additional mass factor per 10 mm of stroke	1.345 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