

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

Part number: 557262

FESTO



Data sheet

Feature	Value
Stroke	12.7 mm
Piston diameter	2 1/2"
Type code	ADNGF
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
Operating pressure	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
Ambient temperature	-20 °C ... 80 °C
Impact energy in the end positions	1.30023 J
Theoretical force at 6 bar, retracting	1750.002 N
Theoretical force at 6 bar, advancing	1870.002 N
Moving mass at 0 mm stroke	374.333 g
Additional weight per 10 mm stroke	29.115 g
Basic weight with 0 mm stroke	918.285 g
Additional moving mass per 10 mm stroke	72.264 g
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
Material of dynamic seals	TPE-U(PU)
Piston rod material	High-alloy steel

Feature	Value
Material of cylinder barrel	Wrought aluminum alloy Smooth anodized