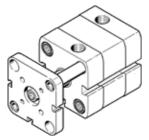
compact cylinder ADNGF-1"-1"-P-A Part number: 557226

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



Data sheet

Feature	Value
Stroke	1"
Piston diameter	1"
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
Operating pressure MPa	0.1 1 MPa
Operating 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
PWIS conformity	VDMA24364-B1/B2-L
Ambient temperature	-4 176 °F
Impact energy in end positions	0.221 ft-lbf
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	55.528 lbf
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	66.319 lbf
Moving mass with 0 mm stroke	3.009 oz
Additional mass factor per 10 mm of stroke	0.991 oz
Basic weight for 0 mm stroke	6.761 oz
Additional weight per 10 mm stroke	0.389 oz
Mounting type	with through hole
	with internal (female) thread
	with accessories
	Optional
Pneumatic connection	10-32 UNF-2B
Material of flange screw	Steel
Material cover	Anodised wrought aluminium alloy
Material seals	NBR
Material of dynamic seals	TPE-U(PU)
Material end plate	Anodised wrought aluminium alloy
Material piston rod	High alloy steel
Material cylinder barrel	Smooth-anodised wrought aluminium alloy

FESTO