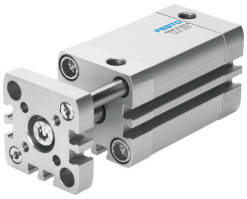
Compact air cylinder
ADNGF-32-20-PPS-A

Part number: 574024



Data sheet

Feature	Value
Stroke	20 mm
Piston diameter	32 mm
Type code	ADNGF
Based on norm	ISO 21287
Cushioning	Self-adjusting pneumatic end-position cushioning
Mounting position	Any
Design	Piston Piston rod Profile barrel
Position sensing	For proximity sensor
Protection against torsion/guide	Guide rod with yoke
Operating pressure	1.9 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 J
Cushioning length	4 mm
Theoretical force at 6 bar, retracting	415 N
Theoretical force at 6 bar, advancing	483 N
Moving mass at 0 mm stroke	122 g
Additional weight per 10 mm stroke	38 g
Basic weight with 0 mm stroke	327 g
Additional moving mass per 10 mm stroke	17 g
Pneumatic connection	G1/8
Note on materials	RoHS-compliant
Cover material	Aluminum Anodized
Seals material	TPE-U(PUR)
Piston rod material	High-alloy steel
Material of cylinder barrel	Smooth anodized Wrought aluminum alloy