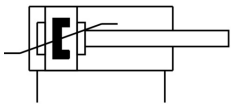
Compact air cylinder
ADN-80-10-A-PPS-A

Part number: 572727





Data sheet

Feature	Value
Stroke	10 mm
Piston diameter	80 mm
Piston rod thread	M16x1.5
Type code	ADN
Cushioning	Self-adjusting pneumatic end-position cushioning
Mounting position	Any
Conforms to standard	ISO 21287
Piston rod end	External thread
Position sensing	For proximity sensor
Symbol	00992970
Variants	Piston rod at one end
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	8 J
Cushioning length	7.5 mm
Theoretical force at 6 bar, retracting	2827 N
Theoretical force at 6 bar, advancing	3016 N
Moving mass at 0 mm stroke	400 g
Additional weight per 10 mm stroke	79 g
Basic weight with 0 mm stroke	1300 g
Additional moving mass per 10 mm stroke	25 g
Type of mounting	With accessories Optionally: With internal thread With through-hole
Pneumatic connection	G1/8
Note on materials	RoHS-compliant
Cover material	Anodized Aluminum
Seals material	TPE-U(PUR)
Piston rod material	High-alloy steel
Material of cylinder barrel	Smooth anodized Wrought aluminum alloy