

ISO cylinder DNC-50-50-PPV-A

Part number: 163371

FESTO

As per ISO 15552, with profile cylinder barrel, for proximity sensing, with adjustable cushioning at both end positions.



Data sheet

Feature	values
Stroke	50 mm
Piston diameter	50 mm
Piston rod thread	M16x1,5
Cushioning	PPV: Pneumatic cushioning adjustable at both ends
Assembly position	Any
Conforms to standard	ISO 15552
Piston-rod end	Male thread
Design structure	Piston Piston rod Profile barrel
Position detection	For proximity sensor
Variants	Single-ended piston rod
Operating pressure	0.6 ... 12 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
Ambient temperature	-20 ... 80 °C
Authorisation	Germanischer Lloyd
Impact energy in end positions	0.2 J
Cushioning length	22 mm
Theoretical force at 6 bar, return stroke	990 N
Theoretical force at 6 bar, advance stroke	1,178 N
Moving mass with 0 mm stroke	538 g
Additional weight per 10 mm stroke	64 g
Basic weight for 0 mm stroke	1,260 g
Additional mass factor per 10 mm of stroke	25 g
Mounting type	with internal (female) thread with accessories
Pneumatic connection	G1/4
Materials note	Conforms to RoHS
Materials information for cover	Aluminium die cast coated
Materials information for seals	TPE-U(PU)
Materials information for piston rod	High alloy steel
Materials information for cylinder barrel	Wrought Aluminium alloy Smooth anodised