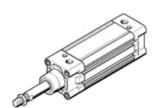
profile cylinder DNC-3"-12"-PPV-A Part number: 178032

FESTO

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





Data sheet

Feature	Value
Stroke	12 "
Piston diameter	3"
Piston rod thread	3/4-16 UNF-2A
Based on the standard	ISO 15552 (previously also VDMA 24652, ISO 6431, NF E49 003.1, UNI 10290)
Cushioning	, , , , , , , , , , , , , , , , , , ,
Cushioning Assembly position	PPV: Pneumatic cushioning adjustable at both ends
Piston-rod end	Any Male thread
Design structure	Piston
Design structure	Piston rod
	Profile barrel
Position detection	
Variants	For proximity sensor Single-ended piston rod
Operating pressure MPa	0.06 1.2 MPa
, -,	0.6 1.2 MPa
Operating pressure	
Mode of operation	double-acting
Operating medium Note on operating and pilot medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
	Lubricated operation possible (subsequently required for further
	operation)
Corrosion resistance classification CRC	2 - Moderate corrosion stress
PWIS conformity	VDMA24364-B1/B2-L
Ambient temperature	-20 80 °C
Impact energy in end positions	0.9 J
Cushioning length	32 mm
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	2,721 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	3,016 N
Moving mass with 0 mm stroke	1,131 g
Additional mass factor per 10 mm of stroke	38 g
Basic weight for 0 mm stroke	2,790 g
Additional weight per 10 mm stroke	106 g
Mounting type	with internal (female) thread
	with accessories
Pneumatic connection	NPT3/8-18
Materials note	Conforms to RoHS
Material cover	Aluminium die cast
	coated
Material seals	TPE-U(PU)
Material piston rod	High alloy steel
Material cylinder barrel	Wrought Aluminium alloy
	Smooth anodised