

# Standard cylinder DNG-80-320-PPV-A

Part number: 36378

FESTO

As per ISO 15552, NF E 49 003.1 and UNI 10 290, for proximity sensing,  
with adjustable cushioning at both ends.



## Data sheet

Feature	Value
Stroke	320 mm
Piston diameter	80 mm
Piston rod thread	M20x1,5
Cushioning	PPV: Pneumatic cushioning adjustable at both ends
Assembly position	Any
Conforms to standard	ISO 15552 (previously also VDMA 24652, ISO 6431, NF E49 003.1, UNI 10290)
Piston-rod end	Male thread
Design structure	Piston Piston rod
Position detection	For proximity sensor
Variants	Single-ended piston rod
Working 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
Ambient temperature	-20 ... 80 °C
Authorization	Germanischer Lloyd
Cushioning length	30 mm
Theoretical force at 6 bar, return stroke	2,721 N
Theoretical force at 6 bar, advance stroke	3,016 N
Additional weight per 10 mm stroke	80 g
Basic weight for 0 mm stroke	2,875 g
Mounting type	with accessories
Pneumatic connection	G3/8
Materials information for cover	Aluminum
Materials information for seals	NBR TPE-U(PU)
Materials information for piston rod	High alloy steel
Materials information for cylinder barrel	Wrought Aluminum alloy