

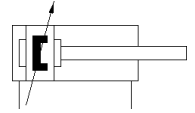
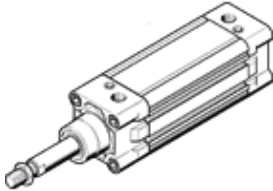
Standard cylinder DNC-80-500-PPV-A

Part number: 163444
Classic

FESTO

Modern alternatives can be found by entering the first four characters of the type code in the search field.

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



Data sheet

Feature	Value
Stroke	500 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
Piston-rod end	Male thread
Design structure	Piston Piston rod Profile barrel
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 - Moderate corrosion stress
Ambient temperature	-20 ... 80 °C
Authorization	Germanischer Lloyd
Impact energy in end positions	0.9 J
Cushioning length	32 mm
Theoretical force at 6 bar, return stroke	2,721 N
Theoretical force at 6 bar, advance stroke	3,016 N
Moving mass with 0 mm stroke	1,131 g
Additional weight per 10 mm stroke	106 g
Basic weight for 0 mm stroke	2,790 g
Additional mass factor per 10 mm of stroke	38 g
Mounting type	with internal (female) thread with accessories
Pneumatic connection	G3/8
Materials note	Conforms to RoHS
Materials information for cover	Aluminum die cast coated
Materials information for seals	TPE-U(PU)
Materials information for piston rod	High alloy steel
Materials information for cylinder barrel	Wrought Aluminum alloy Smooth anodized