

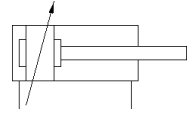
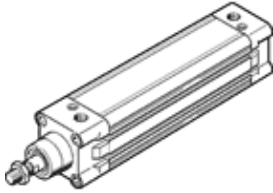
# Standards-based cylinder DNC-40-50-PPV

FESTO

Part number: 163353  
Classic - do not use for new projects

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

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



## Data sheet

Feature	Value
Stroke	50 mm
Piston diameter	40 mm
Piston rod thread	M12x1,25
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	No
Variants	Single-ended piston rod
Operating pressure MPa	0.06 ... 1.2 MPa
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
PWIS conformity	VDMA24364-B1/B2-L
Ambient temperature	-20 ... 80 °C
Impact energy in end positions	0.2 J
Cushioning length	20 mm
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	633 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	754 N
Moving mass with 0 mm stroke	307 g
Additional mass factor per 10 mm of stroke	16 g
Basic weight for 0 mm stroke	800 g
Additional weight per 10 mm stroke	45 g
Mounting type	with internal (female) thread with accessories
Pneumatic connection	G1/4
Materials note	Conforms to RoHS
Material cover	Aluminum die cast coated
Material seals	TPE-U(PU)
Material piston rod	High alloy steel
Material cylinder barrel	Wrought Aluminum alloy Smooth anodized