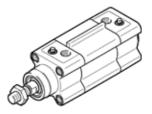
standards-based cylinder DSBF-C-32-100-PPVA-N3-R Part number: 1773756



Data sheet

Feature	Value
Stroke	100 mm
Piston diameter	32 mm
Piston rod thread	M10x1,25
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	For proximity sensor
Operating pressure MPa	0.06 1.2 MPa
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	
	3 - High corrosion stress
PWIS conformity	VDMA24364-B2-L
Cleanroom class	ISO class 6
Ambient temperature	-20 80 °C
Impact energy in end positions	0.4 J
Cushioning length	17 mm
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	415 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	483 N
Moving mass	198 g
Moving mass with 0 mm stroke	108 g
Additional mass factor per 10 mm of stroke	9 g
Product weight	752 g
Basic weight for 0 mm stroke	472 g
Additional weight per 10 mm stroke	28 g
Mounting type	with internal (female) thread with accessories
Descurrentia service etien	Optional G1/8
Pneumatic connection	Conforms to RoHS
Materials note Material cover	
Material cover Material piston seal	Die-cast aluminium, coated
	TPE-U(PU) Wrought Aluminium alloy
Material piston	
Material piston rod	High alloy steel, non-corrosive
Material piston rod wiper seal Buffer seal material	TPE-U(PU)
	TPE-U(PU)
Cushion piston material	POM Anodised wrought aluminium alloy
Material cylinder barrel	
Material nut	High alloy steel, non-corrosive
Material bearing	POM
Material of flange screw	steel, galvanized

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