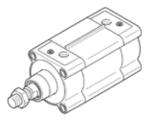
standards-based cylinder DSBF-C-80-320-PPVA-N3-R Part number: 1778438



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
Piston-rod end	Male thread
Design structure	Piston
	Piston rod
	Profile barrel
Position detection	For proximity sensor
Operating pressure MPa	0.04 1.2 MPa
Operating pressure	0.4 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
Ambient temperature	-20 80 °C
Impact energy in end positions	1.8]
Cushioning length	31 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	2,048 g
Moving mass with 0 mm stroke	800 g
Additional mass factor per 10 mm of stroke	39 g
Product weight	6,171 g
Basic weight for 0 mm stroke	3,131 g
Additional weight per 10 mm stroke	95 g
Mounting type	with internal (female) thread
	with accessories
	Optional
Pneumatic connection	G3/8
Materials note	Conforms to RoHS
Material cover	Die-cast aluminium, coated TPE-U(PU)
Material piston seal	Wrought Aluminium alloy
Material piston	
Material piston rod	High alloy steel, non-corrosive
Material piston rod wiper seal Buffer seal material	
	TPE-U(PU)
Cushion piston material	POM
Material cylinder barrel	Anodised wrought aluminium alloy
Material nut	High alloy steel, non-corrosive
Material bearing	POM
Material of flange screw	steel, galvanized



