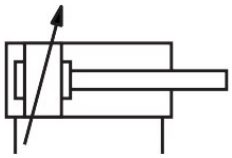
ISO cylinder
DNC-80-100-PPV

Part number: 163451





Data sheet

Feature	Value
Stroke	100 mm
Piston diameter	80 mm
Piston rod thread	M20x1.5
Cushioning	Pneumatic cushioning, adjustable at both ends
Mounting position	Any
Conforms to standard	ISO 15552
Piston rod end	External thread
Structural design	Piston Piston rod Profile barrel
Position sensing	None
Variants	Piston rod at one end
Operating pressure	0.06 MPa...1.2 MPa 0.6 bar...12 bar
Mode of operation	Double-acting
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Ambient temperature	-20 °C...80 °C
Impact energy in the end positions	0.9 J
Cushioning length	32 mm
Theoretical force at 6 bar, retracting	2721 N
Theoretical force at 6 bar, advancing	3016 N
Moving mass at 0 mm stroke	1131 g
Additional moving mass per 10 mm stroke	38 g
Basic weight with 0 mm stroke	2790 g
Additional weight per 10 mm stroke	106 g
Type of mounting	With internal thread With accessories
Pneumatic connection	G3/8
Note on materials	RoHS compliant
Cover material	Die-cast aluminum

Feature	Value
	Coated
Seals material	TPE-U(PU)
Piston rod material	High-alloy steel
Material of cylinder barrel	Wrought aluminum alloy Smooth-anodized