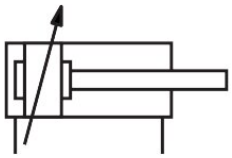
ISO cylinder
DNC-100-500-PPV

Part number: 163490





Data sheet

Feature	Value
Stroke	500 mm
Piston diameter	100 mm
Piston rod thread	M20x1.5
Cushioning	Pneumatic cushioning, adjustable at both ends
Mounting position	Any
Conforms to standard	ISO 15552
Piston-rod end	Male thread
Design	Piston Piston rod Profile barrel
Position detection	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 to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Corrosion resistance class CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Ambient temperature	-20 °C...80 °C
Impact energy in end positions	1.2 J
Cushioning length	32 mm
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	4418 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	4712 N
Moving mass for 0 mm stroke	1544 g
Additional moving mass per 10 mm stroke	38 g
Basic weight for 0 mm stroke	4653 g
Additional weight per 10 mm stroke	115 g
Type of mounting	With female thread With accessories
Pneumatic connection	G1/2
Note on materials	RoHS compliant

Feature	Value
Material cover	Die-cast aluminium coated
Material seals	TPE-U(PU)
Material piston rod	High-alloy steel
Material cylinder barrel	Wrought aluminium alloy Smooth-anodised