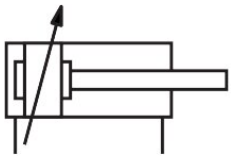
ISO cylinder
DNC-125-500-PPV

Part number: 163522





Data sheet

Feature	Value
Stroke	500 mm
Piston diameter	125 mm
Piston rod thread	M27x2
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 MPa 0.6 bar...10 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	5 J
Cushioning length	42 mm
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	6881 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	7363 N
Moving mass for 0 mm stroke	2809 g
Additional moving mass per 10 mm stroke	63 g
Basic weight for 0 mm stroke	6771 g
Additional weight per 10 mm stroke	168 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