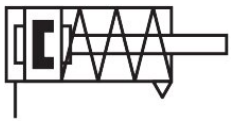
Round cylinder
ESNU-50-50-P-A

Part number: 196384





Data sheet

Feature	Value
Stroke	50 mm
Piston diameter	50 mm
Piston rod thread	M16x1.5
Cushioning	Elastic cushioning rings/plates at both ends
Mounting position	Any
Design	Piston Piston rod Cylinder barrel
Position detection	Via proximity switch
Operating pressure	0.12 MPa...1 MPa 1.2 bar...10 bar
Mode of operation	Pushing Single-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 J
Spring return force with retracted piston rod	60 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	60 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	1072.8 N
Moving mass	538 g
Moving mass for 0 mm stroke	413 g
Additional moving mass per 10 mm stroke	25 g
Product weight	1287 g
Basic weight for 0 mm stroke	1087 g
Additional weight per 10 mm stroke	40 g
Type of mounting	With accessories
Pneumatic connection	G1/4
Note on materials	RoHS compliant
Material cover	Wrought aluminium alloy

Feature	Value
Material seals	NBR TPE-U(PU)
Material piston rod	High-alloy steel
Material cylinder barrel	High-alloy stainless steel