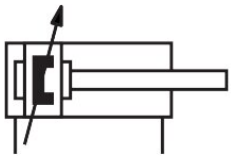
Round cylinder
DSNU-1"-1/2"-PPV-A

Part number: 546413





Data sheet

Feature	Value
Stroke	0.5 in
Piston diameter	1"
Piston rod thread	3/8-24 UNF-2A
Based on standard	ISO 6432
Cushioning	Pneumatic cushioning, adjustable at both ends
Mounting position	Any
Piston-rod end	Male thread
Design	Piston Piston rod
Position detection	Via proximity switch
Variants	Piston rod at one end
Operating pressure	0.1 MPa...1 MPa 1 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	-4 °F...176 °F
Impact energy in end positions	0.221 ft-lbf
Cushioning length	0.67 in
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	55.6 lbf
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	66.2 lbf
Moving mass for 0 mm stroke	2.5 oz
Additional moving mass per 10 mm stroke	0.212 oz
Basic weight for 0 mm stroke	8.4 oz
Additional weight per 10 mm stroke	0.388 oz
Type of mounting	With accessories
Pneumatic connection	1/8 NPT
Material cover	Wrought aluminium alloy
Material seals	NBR

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