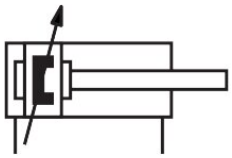
Round cylinder
DSNU-1"-12"-PPV-A

Part number: 546415





Data sheet

Feature	Value
Stroke	12 in
Piston diameter	1"
Piston rod thread	3/8-24 UNF-2A
Based on norm	ISO 6432
Cushioning	Pneumatic cushioning, adjustable at both ends
Mounting position	Any
Piston rod end	External thread
Structural design	Piston Piston rod
Position sensing	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 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	-4 °F...176 °F
Impact energy in the end positions	0.221 ft-lbf
Cushioning length	0.67 in
Theoretical force at 6 bar, retracting	55.6 lbf
Theoretical force at 6 bar, advancing	66.2 lbf
Moving mass at 0 mm stroke	2.5 oz
Additional moving mass per 10 mm stroke	0.212 oz
Basic weight with 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
Cover material	Wrought aluminum alloy
Seals material	NBR TPE-U(PU)

Feature	Value
Piston rod material	high-alloy stainless steel
Material of cylinder barrel	high-alloy stainless steel