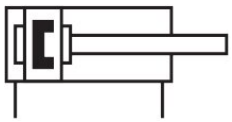
Round cylinder
DSNU-5/16"-1"-P-A

Part number: 546393





Data sheet

Feature	Value
Stroke	1 in
Piston diameter	5/16"
Piston rod thread	6-32 UNC-2A
Based on norm	ISO 6432
Cushioning	Elastic cushioning rings/pads 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	0.0221 ft-lbf
Theoretical force at 6 bar, retracting	5.1 lbf
Theoretical force at 6 bar, advancing	6.8 lbf
Moving mass at 0 mm stroke	0.265 oz
Additional moving mass per 10 mm stroke	0.035 oz
Basic weight with 0 mm stroke	1.22 oz
Additional weight per 10 mm stroke	0.085 oz
Type of mounting	With accessories
Pneumatic connection	10-32 UNF-2B
Cover material	Wrought aluminum alloy
Seals material	NBR TPE-U(PU)
Piston rod material	high-alloy stainless steel

Feature	Value
Material of cylinder barrel	high-alloy stainless steel