

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

Part number: 548541

FESTO



Data sheet

Feature	Value
Stroke	0.4 in...20 in
Piston diameter	2 1/2"
Piston rod thread	5/8-18 UNF-2A
Based on norm	ISO 6431
Cushioning	Pneumatic cushioning, adjustable at both ends
Mounting position	Any
Piston rod end	External thread
Structural design	Piston Piston rod
Position sensing	For proximity sensor
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	0.959 ft-lbf
Cushioning length	0.83 in
Theoretical force at 6 bar, retracting	336 lbf
Theoretical force at 6 bar, advancing	374 lbf
Moving mass at 0 mm stroke	16.2 oz
Additional weight per 10 mm stroke	0.882 oz
Type of mounting	With accessories
Pneumatic connection	3/8 NPT
Note on materials	RoHS-compliant
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