

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

Part number: 546416

FESTO

Based on DIN ISO 6432, for proximity sensing. Various mounting options, with or without additional mounting components. With adjustable end-position cushioning.



## Data sheet

Feature	Value
Stroke	2 "
Piston diameter	1 "
Piston rod thread	3/8-24 UNF-2A
Based on the standard	ISO 6432
Cushioning	PPV: Pneumatic cushioning adjustable at both ends
Assembly position	Any
Piston-rod end	Male thread
Design structure	Piston Piston rod
Position detection	For proximity sensor
Variants	Single-ended piston rod
Operating pressure MPa	0.1 ... 1 MPa
Working pressure	1 ... 10 bar
Mode of operation	double-acting
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (subsequently required for further operation)
Corrosion resistance classification CRC	2 - Moderate corrosion stress
PWIS conformity	VDMA24364-B1/B2-L
Ambient temperature	-4 ... 176 °F
Impact energy in end positions	0.2213 ft-lbf
Cushioning length	0.67 "
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	55.6 lbf
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	66.2 lbf
Moving mass with 0 mm stroke	2.504 oz
Additional mass factor per 10 mm of stroke	0.212 oz
Basic weight for 0 mm stroke	8.395 oz
Additional weight per 10 mm stroke	0.388 oz
Mounting type	with accessories
Pneumatic connection	1/8 NPT
Material cover	Wrought Aluminum alloy
Material seals	NBR TPE-U(PU)
Material piston rod	High alloy steel, non-corrosive
Material cylinder barrel	High alloy steel, non-corrosive