

# round cylinder

## DSNU-5/16"-1/2"-P-A

Part number: 546394

FESTO

Based on DIN ISO 6432, for position sensing Various mounting options, with or without additional mounting components. With flexible cushioning rings in the end positions.



### Data sheet

Feature	Value
Stroke	0.5 "
Piston diameter	5/16"
Piston rod thread	6-32 UNC-2A
Based on the standard	ISO 6432
Cushioning	P: Flexible cushioning rings/plates 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
Operating 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	0.0221 ft-lbf
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	5.1 lbf
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	6.8 lbf
Moving mass with 0 mm stroke	0.265 oz
Additional mass factor per 10 mm of stroke	0.035 oz
Basic weight for 0 mm stroke	1.22 oz
Additional weight per 10 mm stroke	0.085 oz
Mounting type	with accessories
Pneumatic connection	10-32 UNF-2B
Material cover	Wrought Aluminium alloy
Material seals	NBR TPE-U(PU)
Material piston rod	High alloy steel, non-corrosive
Material cylinder barrel	High alloy steel, non-corrosive