

# Round cylinder

## DSNU-1/2"-1"-P-A-B

Part number: 546386

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	1 "
Piston diameter	1/2"
Piston rod thread	10-32 UNF-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
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	0.0516 ft-lbf
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	11.4 lbf
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	15.3 lbf
Moving mass with 0 mm stroke	0.653 oz
Additional mass factor per 10 mm of stroke	0.071 oz
Basic weight for 0 mm stroke	2.646 oz
Additional weight per 10 mm stroke	0.141 oz
Mounting type	with accessories
Pneumatic connection	10-32 UNF-2B
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