

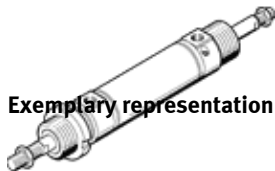
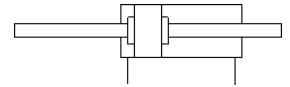
# Round cylinder DSNU-2 1/2"- -P-S2

Part number: 548551  
Product to be discontinued

FESTO

Based on DIN ISO 6431, with flexible cushioning rings in end positions  
Various mounting options, with or without additional mounting components.

Type to be discontinued. Available until 2022. See Support Portal for alternative products.



Exemplary representation

## Data sheet

Feature	Value
Stroke	0.04 ... 20 "
Piston diameter	2 1/2"
Piston rod thread	5/8-18 UNF-2A
Based on the standard	ISO 6431
Cushioning	P: Flexible cushioning rings/plates at both ends
Assembly position	Any
Piston-rod end	Male thread
Design structure	Piston Piston rod
Position detection	No
Variants	Through 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	0.9588 ft-lbf
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	336.38 lbf
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	374.06 lbf
Moving mass with 0 mm stroke	16.191 oz
Additional weight per 10 mm stroke	0.882 oz
Mounting type	with accessories
Pneumatic connection	3/8 NPT
Materials note	Conforms to RoHS
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