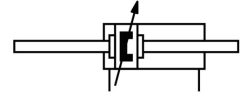



Round cylinder DSNU-2 1/2"- -PPV-A-S2

Part number: 548527

FESTO



 [General operating condition](#)

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	10.16 mm ... 508 mm
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
Symbol	00991237
Variants	Through piston rod
Operating pressure	0.1 MPa ... 1 MPa
Operating pressure	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	-20 °C ... 80 °C
Impact energy in the end positions	1.29996 J
Cushioning length	21.082 mm
Theoretical force at 6 bar, retracting	1496.293 N
Theoretical force at 6 bar, advancing	1663.902 N
Moving mass at 0 mm stroke	459.015 g
Additional weight per 10 mm stroke	25.005 g
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
Material of cylinder barrel	High-alloy stainless steel