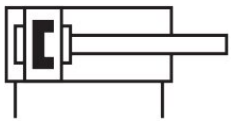
Round cylinder
DSNU-1/2"-2"-P-A-B

Part number: 546388



General operating condition

Data sheet

Feature	Value
Stroke	50.8 mm
Piston diameter	1/2"
Piston rod thread	10-32 UNF-2A
Based on norm	ISO 6432
Cushioning	Elastic cushioning rings/pads at both ends
Mounting position	Any
Piston rod end	External thread
Structural design	Piston Piston rod
Position sensing	For proximity sensor
Symbol	00991217
Variants	Piston rod at one end
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	0.06996 J
Theoretical force at 6 bar, retracting	50.71 N
Theoretical force at 6 bar, advancing	68.058 N
Moving mass at 0 mm stroke	18.513 g
Additional moving mass per 10 mm stroke	2.013 g
Basic weight with 0 mm stroke	75.014 g
Additional weight per 10 mm stroke	3.997 g
Type of mounting	With accessories
Pneumatic connection	10-32 UNF-2B
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