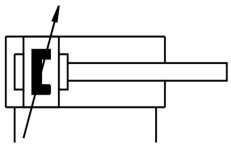
Round cylinder
DSNU-1"-3"-PPV-A

Part number: 546421



Data sheet

Feature	Value
Stroke	76.2 mm
Piston diameter	1"
Piston rod thread	3/8-24 UNF-2A
Type code	DSNU
Based on norm	ISO 6432
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	00991235
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
Ambient temperature	-20 °C ... 80 °C
Impact energy in the end positions	0.30004 J
Cushioning length	17.018 mm
Theoretical force at 6 bar, retracting	247.321 N
Theoretical force at 6 bar, advancing	294.472 N
Moving mass at 0 mm stroke	70.988 g
Additional weight per 10 mm stroke	11 g
Basic weight with 0 mm stroke	237.998 g
Additional moving mass per 10 mm stroke	6.01 g
Type of mounting	With accessories
Pneumatic connection	1/8 NPT
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