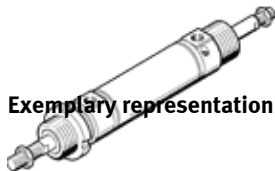# Round cylinder
DSNU-2 1/2"-   -PPV-A-S2
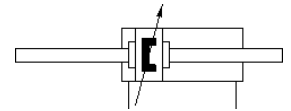Part number: 548527

FESTO

Based on DIN ISO 6431, for position sensing Various mounting options, with or without additional mounting components. With adjustable end-position cushioning.

A minimum stroke of 0.04 inches is required for position sensing with proximity switches.

Exemplary representation

Data sheet

Feature	Value
Stroke	0.4 ... 20 "
Piston diameter	2 1/2"
Piston rod thread	5/8-18 UNF-2A
Based on the standard	ISO 6431
Cushioning	PPV: Pneumatic cushioning adjustable at both ends
Assembly position	Any
Piston-rod end	Male thread
Design structure	Piston Piston rod
Position detection	For proximity sensor
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
Cushioning length	0.83 "
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