

# round cylinder DSNU-50-100-PPV-A

Part number: 196044

FESTO

For position sensing, with adjustable end-position cushioning.  
Various mounting options, with or without additional mounting components.



## Data sheet

Feature	values
Stroke	100 mm
Piston diameter	50 mm
Piston rod thread	M16x1,5
Cushioning	PPV: Pneumatic cushioning adjustable at both ends
Assembly position	Any
Design structure	Piston Piston rod Cylinder barrel
Position detection	For proximity sensor
Operating 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
Ambient temperature	-20 ... 80 °C
Cushioning length	20 mm
Theoretical force at 6 bar, return stroke	989.6 N
Theoretical force at 6 bar, advance stroke	1,178.1 N
Moving mass	663 g
Product weight	1,487 g
Mounting type	with accessories
Pneumatic connection	G1/4
Materials note	Conforms to RoHS
Materials information for cover	Wrought Aluminium alloy
Materials information for seals	NBR TPE-U(PU)
Materials information for piston rod	High alloy steel
Materials information for cylinder barrel	High alloy steel, non-corrosive