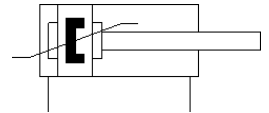


# Standard cylinder DSNU-16-50-PPS

Part number: 559235  
Product to be discontinued

FESTO

with self-adjusting pneumatic end position cushioning  
Type to be discontinued. Available until 2018. See Support Portal for alternative products.



## Data sheet

Feature	Value
Stroke	50 mm
Piston diameter	16 mm
Piston rod thread	M6
Cushioning	PPS: Self-adjusting pneumatic end-position cushioning
Assembly position	Any
Conforms to standard	CETOP RP 52 P ISO 6432
Piston-rod end	Male thread
Design structure	Piston Piston rod Cylinder barrel
Variants	Single-ended piston rod
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
Ambient temperature	-20 ... 80 °C
Impact energy in end positions	0.15 J
Cushioning length	12 mm
Theoretical force at 6 bar, return stroke	103.7 N
Theoretical force at 6 bar, advance stroke	120.6 N
Moving mass with 0 mm stroke	23 g
Additional weight per 10 mm stroke	4.6 g
Basic weight for 0 mm stroke	89.9 g
Additional mass factor per 10 mm of stroke	2 g
Mounting type	with accessories
Pneumatic connection	M5
Materials note	Conforms to RoHS
Materials information for cover	Wrought Aluminum alloy neutral anodization
Materials information for piston rod	High alloy steel, non-corrosive
Materials information for cylinder barrel	High alloy steel, non-corrosive