

# Standard cylinder

## DSN-25-500-PPV

Part number: 32301  
Product to be discontinued

FESTO

based on DIN ISO 6432, with adjustable end-position cushioning.  
Various mounting options, with or without additional mounting components.

Type to be discontinued. Available until 2018. See Support Portal for alternative products.



## Data sheet

Feature	Value
Stroke	500 mm
Piston diameter	25 mm
Piston rod thread	M10x1,25
Cushioning	PPV: Pneumatic cushioning adjustable at both ends
Assembly position	Any
Conforms to standard	CETOP RP 52 P ISO 6432
Piston-rod end	Male thread
Design structure	Piston Piston rod Cylinder barrel
Position detection	No
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	0.3 J
Cushioning length	17 mm
Theoretical force at 6 bar, return stroke	247.4 N
Theoretical force at 6 bar, advance stroke	294.5 N
Moving mass with 0 mm stroke	71 g
Additional weight per 10 mm stroke	11 g
Basic weight for 0 mm stroke	238 g
Additional mass factor per 10 mm of stroke	6 g
Mounting type	with accessories
Pneumatic connection	G1/8
Materials note	Conforms to RoHS
Materials information for cover	Wrought Aluminum alloy neutral anodization
Materials information for seals	NBR TPE-U(PU)
Materials information for piston rod	High alloy steel, non-corrosive
Materials information for cylinder barrel	High alloy steel, non-corrosive