

# Guide cylinder

## DFP-80-250-PPV-A-S2

Part number: 186797  
Product to be discontinued

FESTO

Protected against torsion, for proximity sensing, with double-ended piston rod.

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



### Data sheet

Feature	Value
Stroke	250 mm
Piston diameter	80 mm
Cushioning	PPV: Pneumatic cushioning adjustable at both ends
Assembly position	Any
Guide	Recirculating ball bearing guide
Design structure	Guide
Position detection	For proximity sensor
Variants	Through piston rod
Working pressure	0.5 ... 10 bar
Max. speed	0.9 m/s
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	0 - No corrosion stress
Ambient temperature	-10 ... 60 °C
Cushioning length	32 mm
Theoretical force at 6 bar, return stroke	2,262 N
Theoretical force at 6 bar, advance stroke	2,262 N
Moving mass	6,803 g
Product weight	12,801 g
Pneumatic connection	G3/8
Materials note	Free of copper and PTFE
Material cover	Wrought Aluminum alloy
Material seals	NBR
Material housing	Wrought Aluminum alloy
Material piston rod	Heat-treatment steel