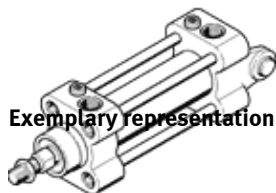


# Standards-based cylinder CRDNGS-100- -PPV-A-S6

Part number: 185305

FESTO

Corrosion-resistant, heat resistant to 120 °C. Position sensing according to ISO 15552, NF E 49 003.1 and UNI 10 290. With end position cushioning adjustable at both ends.



## Data sheet

Feature	Value
Stroke	10 ... 2,000 mm
Piston diameter	100 mm
Piston rod thread	M20x1,5
Based on the standard	ISO 15552
Cushioning	PPV: Pneumatic cushioning adjustable at both ends
Assembly position	Any
Piston-rod end	Male thread
Design structure	Piston Piston rod Swivel clevis Tie rod Cylinder barrel
Position detection	For proximity sensor
Variants	Heat resistant seals, max. 120°C End cap with swivelling rod eye
Operating pressure MPa	0.06 ... 1 MPa
Working pressure	0.6 ... 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	4 - Very high corrosion stress
PWIS conformity	VDMA24364-B2-L
Food-safe	See Supplementary material information
Ambient temperature	0 ... 120 °C
Cushioning length	30 mm
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	4,418 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	4,712 N
Moving mass with 0 mm stroke	1,310 g
Additional mass factor per 10 mm of stroke	39 g
Basic weight for 0 mm stroke	8,897 g
Additional weight per 10 mm stroke	99 g
Mounting type	with internal (female) thread with accessories Optional
Pneumatic connection	G1/2
Material cover	Stainless steel casting
Material seals	FPM
Material housing	High alloy steel, non-corrosive
Material piston	Wrought Aluminum alloy
Material piston rod	High alloy steel, non-corrosive
Material cylinder barrel	High alloy steel, non-corrosive
Material nut	High alloy steel, non-corrosive
Material bearing	Metal polymer compound
Collar nut material	High alloy steel, non-corrosive
Material tie rod	High alloy steel, non-corrosive