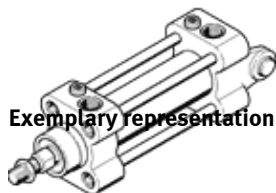


standards-based cylinder CRDNGS-100- -PPV-A-S6

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
Operating 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 Aluminium 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