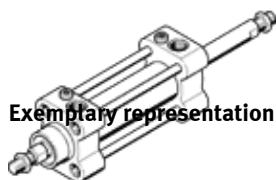


# Standards-based cylinder CRDNG-100- -PPV-A-S2

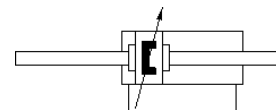
Part number: 185287

FESTO

Corrosion resistant, with double-ended piston rod, based on ISO 15552, NF E 49 003.1 and UNI 10 290, for non-contact sensing. With adjustable end-position cushioning at both ends.



Exemplary representation



## Data sheet

Feature	Value
Stroke	10 ... 2,000 mm
Piston diameter	100 mm
Piston rod thread	M20x1,5
Cushioning	PPV: Pneumatic cushioning adjustable at both ends
Assembly position	Any
Conforms to standard	ISO 15552
Piston-rod end	Male thread
Design structure	Piston Piston rod Tie rod Cylinder barrel
Position detection	For proximity sensor
Variants	Through piston rod
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	-20 ... 80 °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	4,418 N
Moving mass with 0 mm stroke	1,688 g
Additional mass factor per 10 mm of stroke	78 g
Basic weight for 0 mm stroke	8,772 g
Additional weight per 10 mm stroke	138 g
Mounting type	with internal (female) thread with accessories Optional
Pneumatic connection	G1/2
Material cover	Stainless steel casting
Material seals	TPE-U(PU)
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	POM
Collar nut material	High alloy steel, non-corrosive
Material tie rod	High alloy steel, non-corrosive