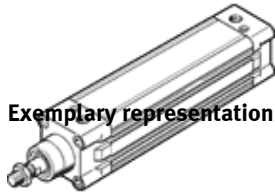


# profile cylinder DNC-2 1/2" - -

Part number: 184820

FESTO

In accordance with ISO 15552.



## Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	0.12 ... 80 "
Piston diameter	2 1/2"
Based on the standard	ISO 15552 (previously also VDMA 24652, ISO 6431, NF E49 003.1, UNI 10290)
Cushioning	P: Flexible cushioning rings/plates at both ends PPV: Pneumatic cushioning adjustable at both ends
Assembly position	Any
Design structure	Piston Piston rod Profile barrel
Position detection	For proximity sensor No
Variants	Extended male piston rod thread Female thread on piston rod Piston rod with special thread Extended piston rod clamping unit on piston rod With protection against rotation Excellent corrosion protection Dust protection Through piston rod Heat resistant seals, max. 120°C Single-ended piston rod
Protection against torque/guide	Square piston rod
Operating pressure MPa	0.06 ... 1.2 MPa
Operating pressure	0.6 ... 12 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 3 - High corrosion stress
PWIS conformity	VDMA24364-B1/B2-L
Ambient temperature	-20 ... 120 °C
Impact energy in end positions	0.5 J
Max. torque for protection against rotation	1.5 Nm
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	1,682 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	1,682 ... 1,870 N
Moving mass with 0 mm stroke	663 g
Additional mass factor per 10 mm of stroke	25 g
Basic weight for 0 mm stroke	1,709 g
Additional weight per 10 mm stroke	73 g

<b>Feature</b>	<b>Value</b>
Mounting type	with internal (female) thread with accessories
Pneumatic connection	NPT3/8-18
Materials note	Conforms to RoHS
Material cover	Aluminium die cast coated
Material cylinder barrel	Wrought Aluminium alloy Smooth anodised