Profile cylinder
DNC-2 1/2"-   -
Part number: 184820

FESTO

In accordance with ISO 15552.

Exemplary representation
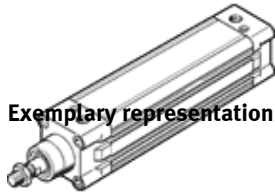
Data sheet

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
Working 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

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