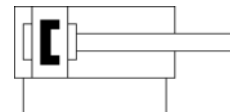
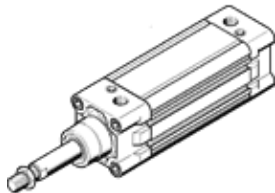


# Profile cylinder DNC-3"-3"-P-A

Part number: 178000

**FESTO**

per ISO 15552, with profile cylinder barrel, with sensing option, non-adjustable cushioning.



## Data sheet

Feature	values
Stroke	3 "
Piston diameter	3"
Piston rod thread	UNF3/4-16
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
Assembly position	Any
Piston-rod end	Male thread
Design structure	Piston Piston rod Profile barrel
Position detection	For proximity sensor
Variants	Single-ended piston rod
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
Ambient temperature	-20 ... 80 °C
Authorization	Germanischer Lloyd
Impact energy in end positions	0.9 J
Theoretical force at 6 bar, return stroke	2,721 N
Theoretical force at 6 bar, advance stroke	3,016 N
Moving mass with 0 mm stroke	1,131 g
Additional weight per 10 mm stroke	106 g
Basic weight for 0 mm stroke	2,790 g
Additional mass factor per 10 mm of stroke	38 g
Mounting type	with internal (female) thread with accessories
Pneumatic connection	NPT3/8-18
Materials note	Conforms to RoHS
Materials information for cover	Aluminum die cast coated
Materials information for seals	TPE-U(PU)
Materials information for piston rod	High alloy steel
Materials information for cylinder barrel	Wrought Aluminum alloy Smooth anodized