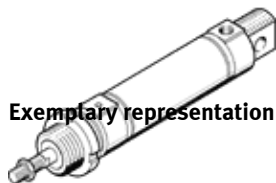


# round cylinder ESNU-50- -

Part number: 194004

FESTO

A minimum stroke of 10 mm is required for position sensing with proximity sensors.



## Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	1 ... 50 mm
Piston diameter	50 mm
Cushioning	P: Flexible cushioning rings/plates at both ends
Assembly position	Any
Design structure	Piston Piston rod Cylinder barrel
Position detection	For proximity sensor
Variants	Increased chemical resistance Extended male piston rod thread Female thread on piston rod Piston rod with special thread External piston rod thread shortened on one end Extended piston rod axial supply port Constant slow movement Low-friction Single-ended piston rod
Operating pressure MPa	0.12 ... 1 MPa
Operating pressure	1.2 ... 10 bar
Mode of operation	single-acting pushing action
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
PWIS conformity	VDMA24364-B1/B2-L
Ambient temperature	-20 ... 120 °C
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	976 ... 1,011 N
Moving mass with 0 mm stroke	413 g
Additional mass factor per 10 mm of stroke	25 g
Basic weight for 0 mm stroke	1,087 g
Additional weight per 10 mm stroke	40 g
Mounting type	with accessories
Pneumatic connection	G1/4
Materials note	Conforms to RoHS
Material cover	Wrought Aluminium alloy
Material seals	NBR TPE-U(PU)
Material piston rod	High alloy steel
Material cylinder barrel	High alloy steel, non-corrosive