

suction cup ESS-50-CS

Part number: 189407

FESTO

easily interchangeable,



Data sheet

Feature	Value
Suction cup height compensator	17.5 mm
Min. workpiece radius	180 mm
Nominal size	3 mm
suction cup diameter	50 mm
suction cup volume	38.92 cm ³
Position of connection	on top
Assembly position	Any
Correlation to suction-cup holder	Size 4
Suction cup shape	Round, bellows, 3.5 convolutions
Operating pressure MPa	-95 ... 0 kPa
Operating pressure	-0.95 ... 0 bar -13.775 ... 0 psi
Nominal operating pressure	-70 kPa -0.7 bar
Nominal operating pressure (psi)	-10.15 psi
Operating medium	Atmospheric air based on ISO 8573-1:2010 [7:::]
Corrosion resistance classification CRC	1 - Low corrosion stress
PWIS conformity	VDMA24364 zone III
Food-safe	See Supplementary material information
Ambient temperature	-30 ... 180 °C
Retention force at nominal operating pressure	63.4 N
Lateral force at nominal operating pressure	45.5 N
Product weight	32.1 g
Mounting type	Via vacuum port
Vacuum connection	M6
Colour	transparent
Shore hardness	50 +/- 5
Material of threaded plug	Wrought aluminium alloy, nickel-plated Nickel-plated brass Galvanised and chrome-plated steel
Materials note	Conforms to RoHS
Material suction cup	VMQ (silicon)