

# Vacuum suction cup

## ESS-100-EF

Part number: 189365

FESTO



[PDF](#) General operating condition

## Data sheet

Feature	Value
Min. workpiece radius	200 mm
Nominal width	6 mm
Suction cup diameter	100 mm
Suction cup volume	84.66 cm <sup>3</sup>
Connection position	Top
Mounting position	Any
Symbol	00991485
Classification of suction cup holder	Size 5
Suction cup shape	Round, extra-deep
Operating pressure	-0.095 MPa ... 0 MPa
Operating pressure	-0.95 bar ... 0 bar
Operating pressure	-13.775 psi ... 0 psi
Nominal operating pressure	-0.07 MPa
Nominal operating pressure	-0.7 bar
Nominal operating pressure	-10.15 psi
Operating medium	Atmospheric air based on ISO 8573-1:2010 [7::-]
Corrosion resistance class (CRC)	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364-A1-L
For use in the food industry	See supplementary material information
Ambient temperature	-10 °C ... 200 °C
Holding force at nominal operating pressure	440.8 N
Lateral force at nominal operating pressure	254.5 N
Product weight	228 g
Type of mounting	Via vacuum connection
Vacuum connection	M10
Color	Gray
Shore hardness	60 +/- 5
Material of screwed plug	POM Steel, nickel-plated Steel, galvanized and chrome-plated
Note on materials	RoHS-compliant

Feature	Value
Suction cup material	FPM