

Suction cup complete

ESS-80-BS

Part number: 189396

FESTO



 [General operating condition](#)

Data sheet

Feature	Value
Height compensator for suction cup	10 mm
Min. workpiece radius	430 mm
Nominal size	6 mm
Suction cup diameter	80 mm
Suction cup volume	63.9 cm ³
Position of connection	Top
Mounting position	optional
Symbol	00991485
Correlation to suction-cup holder	Size 5
Suction cup shape	Round bellows 1.5 convolutions
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 zone III
Suitable for use with food	See supplementary material information
Ambient temperature	-30 °C ... 180 °C
Holding force at nominal operating pressure	213.6 N
Lateral force at nominal operating pressure	93 N
Product weight	139 g
Type of mounting	Via vacuum port
Vacuum connection	M10
Colour	Transparent
Shore hardness	50 +/- 5
Material screwed plug	POM Nickel-plated steel Steel, galvanised and chrome-plated
Note on materials	RoHS-compliant
Material suction cup	VMQ (silicone)