

Vacuum suction cup

ESS-80-BS

Part number: 189396

FESTO



Data sheet

Feature	Value
Suction cup height compensation	10 mm
Min. workpiece radius	430 mm
Nominal width	6 mm
Suction cup diameter	80 mm
Suction cup volume	63.9 cm ³
Connection position	Top
Mounting position	Any
Classification of suction cup holder	Size 5
Suction cup shape	Round bellows, 1.5 convolutions
Operating pressure	-95 kPa...0 kPa -0.95 bar...0 bar -13.775 psi...0 psi
Nominal operating pressure	-70 kPa -0.7 bar -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
For use in the food industry	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 connection
Vacuum connection	M10
Color	Transparent
Shore hardness	50 +/- 5
Material of screwed plug	POM Steel, nickel-plated Steel, galvanized and chrome-plated
Note on materials	RoHS-compliant

Feature	Value
Suction cup material	VMQ (silicone)