

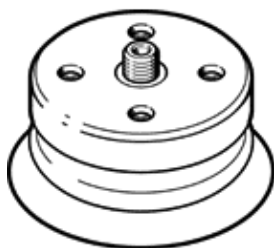
# Suction cup complete

## ESS-80-BN

Part number: 189394

FESTO

easily interchangeable,



## Data sheet

Feature	Value
Suction cup height compensator	10 mm
Min. workpiece radius	430 mm
Nominal size	6 mm
suction cup diameter	80 mm
suction cup volume	63.9 cm <sup>3</sup>
Position of connection	on top
Assembly position	Any
Correlation to suction-cup holder	Size 5
Suction cup shape	Round, bellows 1.5 conv
Operating pressure MPa	-95 ... 0 kPa
Working pressure	-0.95 ... 0 bar
Operating pressure	-13.775 ... 0 psi
Nominal operating pressure	-70 kPa
Nominal working pressure	-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-A1-L
Food-safe	See Supplementary material information
Ambient temperature	-10 ... 70 °C
Retention force at nominal operating pressure	213.6 N
Lateral force at nominal operating pressure	199.5 N
Product weight	139 g
Mounting type	Via vacuum port
Vacuum connection	M10
Color	Black
Shore hardness	50 +/- 5
Material of threaded plug	Steel, nickel-plated POM Galvanised and chrome-plated steel
Materials note	Conforms to RoHS
Material suction cup	NBR