

ESS
Suction cup complete

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Instructions | Assembly

8122169
2019-11c
[8122171]



Translation of the original instructions
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1 Applicable Documents

All available documents for the product -> www.festo.com/sp.

Table with 3 columns: Documents, Product, Contents. Rows include Instructions for Suction cup holder ESH and Vacuum suction cup ESV.

Tab. 1

2 Safety

2.1 Safety Instructions

- Only assemble the product on components that are in a condition to be safely operated.

2.2 Intended Use

The suction cup ESS is used for gripping by means of vacuum generation.

3 Additional information

- Vacuum suction cup ESV -> www.festo.com/catalogue.

4 Assembly

Mounting examples using round suction cups:

4.1 Suction Cup with Diameters of 2 mm and 4 mm



Fig. 1

- Mount the suction cup dry and free of grease.

4.2 Suction Cup with Diameters of 6 mm and 8 mm



Fig. 2

- Mount the suction cup dry and free of grease.

4.3 Suction Cup with Diameters of 10 mm and 15 mm



Fig. 3

- Mount the suction cup.

Table with 3 columns: Suction cup, Screw, Tightening torque. Rows for 10 mm and 15 mm diameters.

Tab. 2

4.4 Suction Cup with Diameter of 20 mm... 50 mm

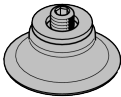


Fig. 4

- Mount the suction cup.

Table with 3 columns: Suction cup, Screw, Tightening torque. Rows for 20-50 mm and 10x30 mm oval shapes.

Tab. 3

- If the vacuum suction cup is worn or the holding effect of the suction cup is reduced, the vacuum suction cup ESV can optionally be replaced.

4.5 Suction Cup with Diameter of 60 mm

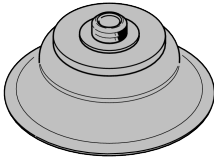


Fig. 5

- Mount the suction cup.

Table with 3 columns: Suction cup, Screw, Tightening torque. Rows for 60 mm and 15x45 mm oval shapes.

Tab. 4

- If the vacuum suction cup is worn or the holding effect of the suction cup is reduced, the vacuum suction cup ESV can optionally be replaced.

4.6 Suction Cup with Diameters of 80 mm and 100 mm

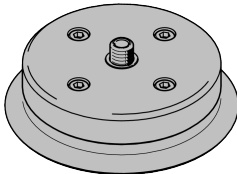


Fig. 6

- Mount the suction cup.

Table with 3 columns: Suction cup, Screw, Tightening torque. Rows for 80-100 mm and 15x45 mm oval shapes.

Tab. 5

- If the vacuum suction cup is worn or the holding effect of the suction cup is reduced, the vacuum suction cup ESV can optionally be replaced.

4.7 Suction Cup with Diameters of 150 mm and 200 mm

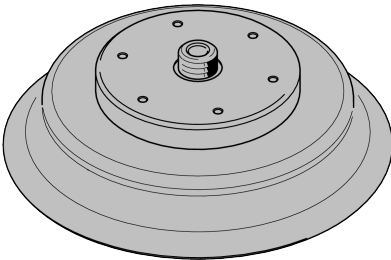


Fig. 7

- Mount the suction cup.

Table with 3 columns: Suction cup, Screw, Tightening torque. Rows for 150 mm and 200 mm diameters.

Tab. 6

- If the vacuum suction cup is worn or the holding effect of the suction cup is reduced, the vacuum suction cup ESV can optionally be replaced.