

ESH
Suction cup complete holder

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Assembly instructions

8132671
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[8132673]



Translation of the original instructions
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1 Applicable documents

Table with 3 columns: Documents, Product, Contents. Rows include Assembly instructions for Suction cup ESS and Vacuum suction cup ESV.

Tab. 1

2 Safety

2.1 Safety instructions

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

2.2 Intended use

The suction cup holder ESH is used for mounting the suction cup ESS.

3 Additional information

- Suction cup ESS -> www.festo.com/catalogue.

4 Scope of delivery

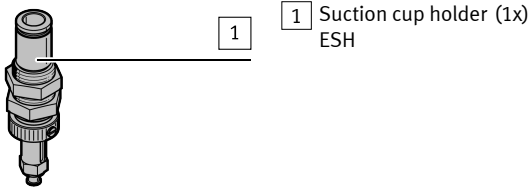


Fig. 1

5 Assembly

NOTICE!

Damage to the protection against rotation

- Do not transfer any tightening torques to the sleeve, the locking screw and the plunger.
- Do not transfer torques from the plunger to the sleeve.
- When loosening and fastening the nuts, apply counter pressure only on the other nut.
- Do not loosen the locking screw.

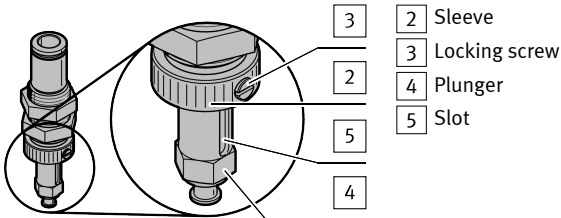


Fig. 2

5.1 Assembly with lock nuts

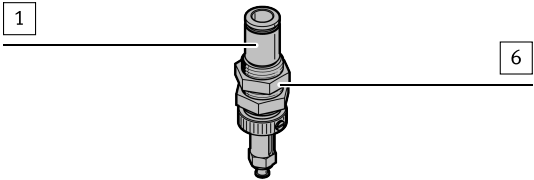


Fig. 3

- Unscrew nut 6 from the thread of the suction cup holder 1.

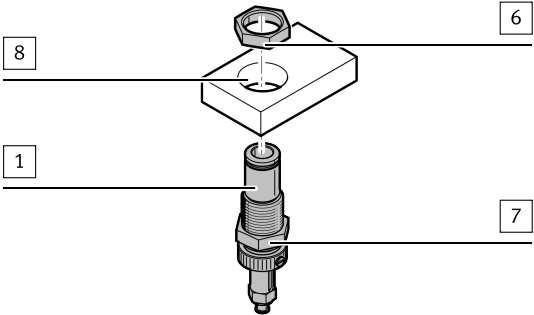


Fig. 4

- Push the suction cup holder 1 through the through-hole 8.
- Turn the nut 7 and position the suction cup holder 1.
- Lock the suction cup holder 1 with nut 6.

5.2 Assembly through female thread

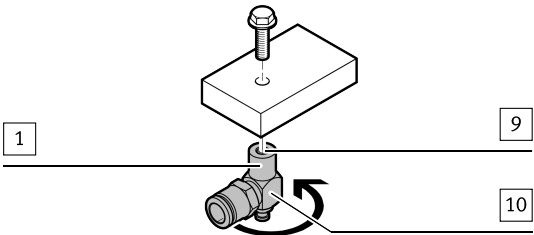


Fig. 5

- Fasten the suction cup holder 1 through the female thread 9, only hold against the housing 10.

5.3 Assembly through male thread

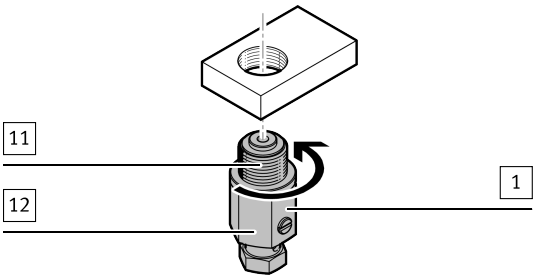


Fig. 6

- Fasten the suction cup holder 1 through the male thread 11, only hold against the housing 12.

6 Thread size and tightening torque

Table with 4 columns: Suction cup holder 1, Thread size, Tightening torque [Nm], and Weight. Rows list various models like ESH-HA, ESH-HA-1-QS4, etc.

Suction cup holder [1]			
ESH-HB	[9]	[Nm]	≡
ESH-HB-1-QS4	M3	0.9 ± 0.25	5
ESH-HB-1-PK-3			
ESH-HB-2-QS6	M4	2.5 ± 0.5	8
ESH-HB-2-PK-4			
ESH-HB-3-QS6	M6	8 ± 1.5	12
ESH-HB-3-PK-4			
ESH-HB-4-QS6	M6	8 ± 1.5	12
ESH-HB-4-PK-4			
ESH-HB-5-G1 / 8	M8	20 ± 4	22
ESH-HB-6-G1 / 4	M16	170 ± 34	30
ESH-HC	[6]/[7]	[Nm]	≡
ESH-HC-1-QS4	M12x1	13 ± 1	14
ESH-HC-1-PK-3	M8x0.75	3 ± 0.5	10
ESH-HC-2-QS6	M12x1	13 ± 1	14
ESH-HC-2-PK-4	M8x0.75	3 ± 0.5	10
ESH-HC-3-QS6	M14x1	19 ± 1	17
ESH-HC-3-PK-4			
ESH-HC-4-QS6	M14x1	19 ± 1	17
ESH-HC-4-PK-4			
ESH-HC-5-G1 / 8	M22x1	45 ± 5	27
ESH-HC-6-G1 / 4	M30x2	45 ± 5	36
ESH-HCL	[6]/[7]	[Nm]	≡
ESH-HCL-1-QS4	M12x1	13 ± 1	14
ESH-HCL-1-PK-3			
ESH-HCL-2-QS6	M12x1	13 ± 1	14
ESH-HCL-2-PK-4			
ESH-HCL-3-QS6	M14x1	19 ± 1	17
ESH-HCL-3-PK-4			
ESH-HCL-4-QS6	M14x1	19 ± 1	17
ESH-HCL-4-PK-4			
ESH-HCL-5-G1/8	M22x1	45 ± 5	27
ESH-HCL-6-G1/4	M30x2	45 ± 5	36
ESH-HD	[6]/[7]	[Nm]	≡
ESH-HD-1-QS4	M8x0.75	2 ± 0.5	10
ESH-HD-1-PK-3			
ESH-HD-2-QS6	M8x0.75	2 ± 0.5	10
ESH-HD-2-PK-4			
ESH-HD-3-QS6	M14x1	19 ± 1	17
ESH-HD-3-PK-4			
ESH-HD-4-QS6	M14x1	19 ± 1	17
ESH-HD-4-PK-4			
ESH-HD-5-G1 / 8	M22x1	45 ± 5	27
ESH-HD-6-G1 / 4	M30x2	45 ± 5	36
ESH-HDL	[6]/[7]	[Nm]	≡
ESH-HDL-1-QS4	M12x1	13 ± 1	14
ESH-HDL-1-PK-3			
ESH-HDL-2-QS6	M12x1	13 ± 1	14
ESH-HDL-2-PK-4			
ESH-HDL-3-QS6	M14x1	19 ± 1	17
ESH-HDL-3-PK-4			
ESH-HDL-4-QS6	M14x1	19 ± 1	17
ESH-HDL-4-PK-4			
ESH-HDL-5-G1/8	M22x1	45 ± 5	27
ESH-HDL-6-G1/4	M30x2	45 ± 5	36
ESH-HE	[11]	[Nm]	≡
ESH-HE-1	M3	0.9 ± 0.25	5.5
ESH-HE-2	M5	1.7 ± 0.2	8
ESH-HE-3	G1/8	8 ± 1	13
ESH-HE-4	G1/8	8 ± 1	13
ESH-HE-5	G1/4	13 ± 1	17
ESH-HF	[11]	[Nm]	≡
ESH-HF-1	M10x1	6 ± 1	12
ESH-HF-2	M10x1	6 ± 1	12
ESH-HF-3	M14x1	19.5 ± 1.5	17
ESH-HF-4	M14x1	19.5 ± 1.5	17

Tab. 2