

# Suction grippers ESG

FESTO



**5,000 combinations!**

**Unlimited modularity: Suction grippers ESG.** This series of vacuum suction grippers offers a comprehensive choice of combinations in a modular product system with more than 5,000 variants – the ideal solution for every application, and extremely cost-effective.

**Adapts to virtually any work-piece**

The modular ESG system: A wide choice, with the right suction-gripper solution for all kinds of applications. Suitable for virtually any workpiece and almost virtually any shape, even miniature products with asymmetrical weight distribution, rough surfaces or hard-to-handle shapes.

**Reliable gripping in all kinds of environments**

No matter whether your application involves chemicals, special antistatic requirements or extreme heat: The modular ESG system can offer you the right suction gripper for your applica-

tion – and thus a reliable solution. Even with oily workpieces, these new suction grippers, with suction cups made of Vulkollan®, ensure higher tear strength and resistance to deep-drawing oils such as “Tizinol”.

**Save time during installation and maintenance**

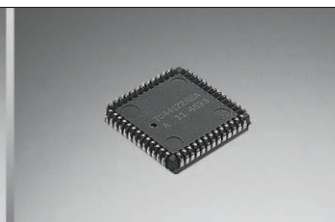
Festo can supply you with pre-configured suction grippers, pre-assembled, fully tested and ready to go for use. The suction cups and suction-cup holders can be interchanged easily, which also means an additional saving of time during maintenance work.



ESG – reliable gripping ...



... with any workpiece ...

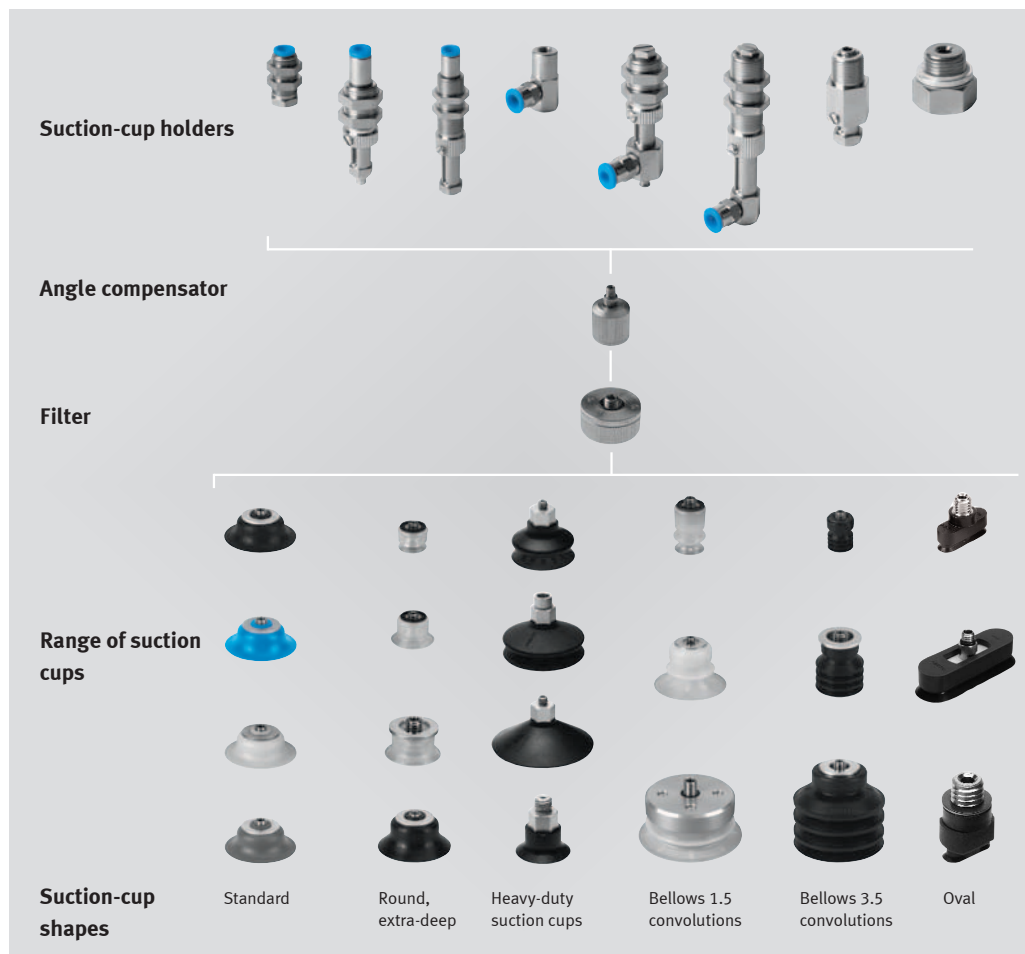


... in any environment

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Product Short Information

# Suction cups ESG



## The modular ESG system

A suction gripper ESG is composed of a suction cup ESS and a suction-cup holder ESH. These can be combined in any desired way to create over 5,000 variants.

## You have a choice of:

- 6 suction-cup shapes
- 15 suction-cup diameters from 2 to 200 mm, and 9 oval suction cups
- 6 different suction-cup materials
- Numerous suction-cup holders, with or without height compensators
- Tubing connections: Threaded connections, push-in fittings QS, barbed fittings PK
- Options: Filters and angle compensators

## Technical data

Material	Perbunan (NBR)	Perbunan (NBR) (antistatic)	Polyurethane	Vulkollan®	Silicone	Fluor rubber
Operating temperature [°C]	-10 ... +70	-10 ... +70	-20 ... +60	-10 ... +80	-30 ... +180	-10 ... +200
Typical areas of application	Conventional applications	Electronics industry	Rough surfaces	Automobile industry	Food industry	Glass industry
Food	-	-	-	-	x	-
Oily workpieces	x	x	x	x	-	x
Smooth surfaces	x	-	x	x	-	x
Rough surfaces	-	-	x	x	-	-
Antistatic	-	x	-	-	-	-
Non-marking	-	x	x	x	-	-

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