

Chocolate Suction Cups SPG

Suction area (Ø) 33 mm



Suitability for Industry Specific Applications

Applications

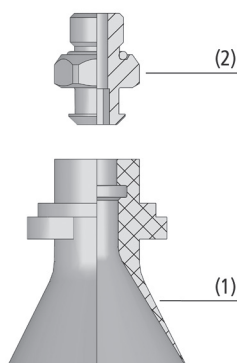
- Bell-shaped suction cup for dynamic handling and packing of chocolates in combination with picker robots
- Direct handling of round, oval or square chocolates
- Handling of confectionery with structured surfaces or toppings
- Suitable for direct contact with food due to FDA compliant material silicone
- Handling of round chocolates with maximum diameter of 35 mm and oval / square chocolates with maximum diagonal measurement of 30 mm



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Design

- Suction cup (1) with extremely thin, soft sealing lip and tapered suction cup geometry
- Optimal sealing lip shape for handling workpieces with structured surfaces
- Use of one-piece insertable connection element (2), with G1/8" male or female thread, for changing the suction cup quickly
- Connection element with male thread has an integrated seal



System Design Chocolate Suction Cups SPG



Chocolate suction cups SPG being used for handling chocolates

Our Highlights...

- Extremely thin sealing lip
- Tapered sealing lip shape
- Large nominal flow
- FDA compliant material silicone

Your Benefits...

- Good sealing on decorated chocolates
- Even square chocolates are enclosed by suction cup; dynamic handling possible
- Leakage compensation on highly-structured chocolates
- Suitable for direct contact with food

Schmalz – The Company

Vacuum Suction Cups

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Designation Code Chocolate Suction Cups SPG

SPG	-	33	-	SI-45	-	SC040
1		2		3		4

1 – Abbreviated designation

Code	Version
SPG	Bell-shaped

2 – Suction area

Code	Diameter in mm
33	ø 33

3 – Material

Code	Material
SI-45	Silicone
SI-HD	Silicone

4 – Connection

Code	Connection
SC040	SC040

Chocolate suction cup SPG (elastomer part) is supplied as an individual part.

In order to receive a complete suction cup (elastomer part + connection element), the following ordering steps are required:

- Suction cup of type SPG – elastomer part
- Connection element of type SC – available with various threads



Ordering Data Chocolate Suction Cups SPG

Type*	Part no.
SPG 33 SI-45 SC040	10.01.19.00002
SPG 33 SI-HD SC040	10.01.19.00165

*Additional material specifications at beginning of the section "Vacuum Suction Cups"



Ordering Data Accessories Chocolate Suction Cups SPG

SC 040 G1/8-AG	SC 040 G1/8-IG
10.01.06.02490	10.01.06.02482



Technical Data Chocolate Suction Cups SPG

Type	Volume [cm³]	Hose diameter (recom.) d [mm]*	Nipple family
SPG 33 SI-45 SC040	8.1	4	SC 040
SPG 33 SI-HD SC040	8.1	4	SC 040

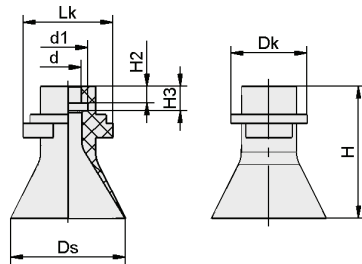
*The suction force and operating vacuum are dependent on the geometry and surface characteristics of the chocolate. We recommend a maximum operating vacuum of -150 mbar.

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Design Data Chocolate Suction Cups SPG



SPG

Type*	d [mm]	d1 [mm]	Dk [mm]	Ds [mm]	H [mm]	H2 [mm]	H3 [mm]	Lk [mm]
SPG 33 SI-45 SC040	7.3	11	21.5	32.1	38	4.8	7	25.5
SPG 33 SI-HD SC040	7.3	11	21.5	32.1	38	4.8	7	25.5

*Acceptable dimensional tolerances for rubber parts concerning to DIN ISO 3302-1 M3

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