

# Bellows suction cup (round)

<https://www.schmalz.com/10.01.06.03720>



## FSG 3 SI-AS-55 M5-AG

Part no.: 10.01.06.03720

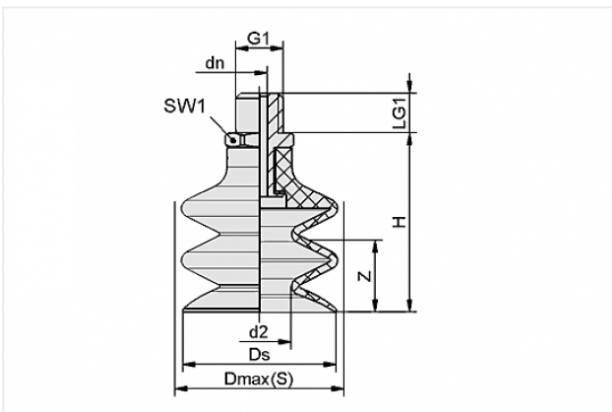
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## Bellows suction cup (round) for very uneven workpieces



Size: 3  
Suction cup material:  
Silicone SI-antistatisch  
Material hardness: 55 °Sh  
Material property: non-marking  
Nipple material: Aluminium  
Vacuum connection: M5-M  
Number of folds: 2.5

## Design Data



### Attribute Value

d2 1.8 mm

dn 0.7 mm

Dmax(S) 4 mm

Ds 3 mm

G1 M5-M

H 10.2 mm

LG1 4.5 mm

SW1 7 mm

Z 1.1 mm

## Contact to Schmalz

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## Technical Data

Attribute	Value
Suction force	0.15 N
Pull-off force	0.4 N
Volume	0.022 cm <sup>3</sup>
Curve radius (min) (convex)	4 mm
Internal hose diameter (recom.)	2 mm
Size	3
Number of folds	2.5
Suction cup material	Silicone SI-antistatisch
Material hardness	55 °Sh
Weight	0.7 g
Product family	FSG

### Note:

- Suction force: The specified suction forces are theoretical values at a vacuum of -0.6 bar and with a smooth, dry workpiece surface - they do not include a safety factor
- Pull-off force: The pull-off force of the versions made of natural rubber is reduced by about 40%
- Hose diameter: The recommended hose diameter refers to a hose length of approx. 2 m

## Spare Parts

### Contact to Schmalz



**SA-NIP N055 M5-AG DN70**

Part no. 10.01.01.13084

Suction cup connection nipple

Nipple: N 055

Thread G1: M5-M

Overall length: 10.7 mm

Fitting length: 3.5 mm

Nominal size: 0.70 mm

Material: Aluminium



**FG 3 SI-AS-55 N055**

Part no. 10.01.06.03707

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Suction cup material:

Silicone SI-antistatisch

Material hardness: 55 °Sh

Number of folds: 2.5