

# Bellows suction cup (round)

<https://www.schmalz.com/10.01.06.00382>



## FSGA 14 SI-55 M5-AG

Part no.: 10.01.06.00382

Homepage > Vacuum Technology for Automation > Vacuum Components > Vacuum Suction Cups > Bellows Suction Cups (Round) > Bellows Suction Cups FSGA (1.5 Folds) > FSGA 14 SI-55 M5-AG

### Bellows suction cup (round) with optimal adaptation to uneven surfaces



Size: 14  
Number of folds: 1.5  
Suction cup material: Silicone SI  
Material hardness: 55 °Sh  
Material characteristics:  
FDA-compatible  
Nipple material: Aluminium  
Vacuum connection: M5-M

### Design Data



Attribute	Value
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d2	5 mm
Dmax(S)	14.5 mm
dn	2.5 mm
Ds	12.5 mm
G1	M5-M
H	20.5 mm
LG1	5 mm
SW1	7 mm
Z	5 mm

### Contact to Schmalz

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## Technical Data

Attribute	Value
Number of folds	1.5
Pull-off force	5 N
Size	14
Weight	2.1 g
Nipple	N 016
Suction cup material	Silicone SI
Suction force	1.2 N
Internal hose diameter (recom.)	2 mm
Volume	0.42 cm <sup>3</sup>
Material hardness	55 °Sh
Curve radius (min) (convex)	12.5 mm
Product family	FSGA

### 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

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## Spare Parts

### Contact to Schmalz



**SA-NIP N016 M5-AG DN250**

Part no. 10.01.06.00123

Suction cup connection nipple

Nipple: N 016

Thread G1: M5-M

Overall length: 16 mm

Fitting length: 5 mm

Nominal size: 2,50 mm

Material: Aluminium



**FGA 14 SI-55 N016**

Part no. 10.01.06.00371

Bellows suction cup (round) with optimal adaptation to uneven surfaces

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Suction cup material: Silicone SI

Material hardness: 55 °Sh

Material characteristics:

FDA-compatible

Number of folds: 1.5