

# Bellows suction cup (round)

<https://www.schmalz.com/10.01.06.01227>



## FSGA 11 HT1-60 M5-AG

Part no.: 10.01.06.01227

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



Size: 11  
Number of folds: 1.5  
Suction cup material:  
High temp material HT1  
Material hardness: 60 °Sh  
Material property: imprint-free  
Nipple material: Aluminium  
Vacuum connection: M5-M

#### Design Data



Attribute	Value
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d2	5.1 mm
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Dmax(S)	13 mm
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dn	2.5 mm
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Ds	10.4 mm
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G1	M5-M
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H	21 mm
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LG1	5 mm
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SW1	7 mm
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Z	4 mm
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#### Contact to Schmalz

J. Schmalz GmbH | Johannes-Schmalz-Straße, 72293 Glatten, Deutschland | +49 7443 2403-102 | [customercenter@schmalz.de](mailto:customercenter@schmalz.de)

## Technical Data

Attribute	Value
Number of folds	1.5
Pull-off force	3.8 N
Size	11
Weight	2 g
Nipple	N 016
Suction cup material	High temp material HT1
Suction force	0.95 N
Internal hose diameter (recom.)	2 mm
Volume	0.225 cm <sup>3</sup>
Material hardness	60 °Sh
Curve radius (min) (convex)	10 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 11 HT1-60 N016**

Part no. 10.01.06.01247

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

Size: 11

Suction cup material:

High temp material HT1

Material hardness: 60 °Sh

Number of folds: 1.5

Material property: imprint-free

**Accessories**



**SPI 11 PEEK**

Part no. 10.01.06.03281

Insert disc for preventing film from being drawn in

Size: 11

Material: Polyetheretherketon

Application: FGA11