

# Bellows suction cup (round)

<https://www.schmalz.com/10.01.06.01228>



## FSGA 16 HT1-60 G1/8-AG

Part no.: 10.01.06.01228

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



Size: 16  
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: G1/8-M

### Design Data



Attribute	Value
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d2	8.4 mm
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Dmax(S)	18.5 mm
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dn	3.5 mm
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Ds	15.6 mm
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G1	G1/8"-M
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H	25.2 mm
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LG1	7.5 mm
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SW1	14 mm
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Z	7 mm
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### Contact to Schmalz

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## Technical Data

Attribute	Value
Number of folds	1.5
Pull-off force	6.7 N
Size	16
Weight	5 g
Nipple	N 016
Suction cup material	High temp material HT1
Suction force	2.3 N
Internal hose diameter (recom.)	4 mm
Volume	0.75 cm <sup>3</sup>
Material hardness	60 °Sh
Curve radius (min) (convex)	20 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 G1/8-AG DN350**

Part no. 10.01.06.05735

Suction cup connection nipple

Nipple: N 016

Thread G1: G1/8-M

Overall length: 20 mm

Fitting length: 6 mm

Nominal size: 3,50 mm

Material: Aluminium



**FGA 16 HT1-60 N016**

Part no. 10.01.06.01248

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

Size: 16

Suction cup material:

High temp material HT1

Material hardness: 60 °Sh

Number of folds: 1.5

Material property: imprint-free

## Accessories



**SPI 17 PEEK**

Part no. 10.01.06.03283

Insert disc for preventing film from being drawn in

Size: 17

Material: Polyetheretherketon

Application: FG18/FGA16