

# Bellows suction cup (round)

<https://www.schmalz.com/10.01.06.02996>



## FSGA 6 HT1-60 M5-AG

Part no.: 10.01.06.02996

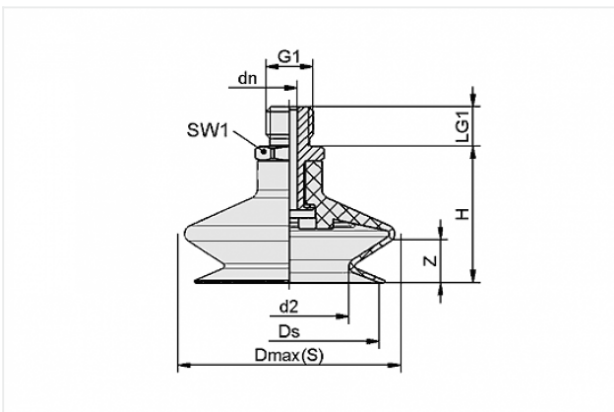
Homepage > Vacuum Technology for Automation > Vacuum Components > Vacuum Suction Cups > Bellows Suction Cups (Round) > Bellows Suction Cups FSGA (1.5 Folds) > FSGA 6 HT1-60 M5-AG

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



Size: 6  
Number of folds: 1.5  
Suction cup material:  
High temp material HT1  
Material hardness: 60 °Sh  
Nipple material: Aluminium  
Vacuum connection: M5-M

### Design Data



Attribute	Value
-----------	-------

d2	3 mm
----	------

Dmax(S)	8 mm
---------	------

dn	2 mm
----	------

Ds	5.7 mm
----	--------

G1	M5-M
----	------

H	14 mm
---	-------

LG1	4.5 mm
-----	--------

SW1	8 mm
-----	------

Z	2 mm
---	------

### 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	1.4 N
Size	6
Weight	1.5 g
Nipple	N 004
Suction cup material	High temp material HT1
Suction force	0.4 N
Internal hose diameter (recom.)	4 mm
Volume	0.111 cm <sup>3</sup>
Material hardness	60 °Sh
Curve radius (min) (convex)	2 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

---

## Spare Parts

### Contact to Schmalz

**SA-NIP N004 M5-AG DN200**

Part no. 10.01.01.03526

Suction cup connection nipple

Nipple: N 004

Thread G1: M5-M

Overall length: 13.5 mm

Fitting length: 5 mm

Nominal size: 2.00 mm

Material: Aluminium

**FGA 6 HT1-60 N004**

Part no. 10.01.06.02603

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

Size: 6

Suction cup material:

High temp material HT1

Material hardness: 60 °Sh

Number of folds: 1.5

**Accessories****SPI 6 PEEK**

Part no. 10.01.06.03279

Insert disc for preventing film from being drawn in

Size: 6

Material: Polyetheretherketon

Application: FG5/FGA6