

# Bellows suction cup (round)

<https://www.schmalz.com/10.01.06.01242>



## FSG 5 HT1-60 M5-IG

Part no.: 10.01.06.01242

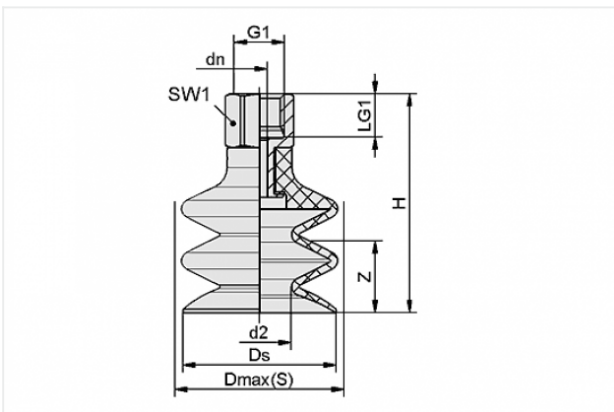
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### Bellows suction cup (round) for very uneven workpieces



Size: 5  
Suction cup material:  
High temp material HT1  
Material hardness: 60 °Sh  
Material property: imprint-free  
Nipple material: Aluminium  
Vacuum connection: M5-F  
Number of folds: 2.5

### Design Data



Attribute	Value
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d2	2.6 mm
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dn	2 mm
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Dmax(S)	7 mm
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Ds	5 mm
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G1	M5-F
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H	24 mm
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LG1	5.5 mm
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SW1	8 mm
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Z	2 mm
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### Contact to Schmalz

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## Technical Data

Attribute	Value
Suction force	0.32 N
Pull-off force	0.8 N
Volume	0.033 cm <sup>3</sup>
Curve radius (min) (convex)	7.5 mm
Internal hose diameter (recom.)	2 mm
Size	5
Number of folds	2.5
Suction cup material	High temp material HT1
Material hardness	60 °Sh
Weight	1.7 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 N017 M5-IG DN200**

Part no. 10.01.06.00313

Suction cup connection nipple

Nipple: N 017

Thread G1: M5-F

Overall length: 17 mm

Fitting length: 10 mm

Nominal size: 2.00 mm

Material: Aluminium



**FG 5 HT1-60 N017**

Part no. 10.01.06.01250

Bellows suction cup (round) for very uneven workpieces

Size: 5

Suction cup material:

High temp material HT1

Material hardness: 60 °Sh

Number of folds: 2.5

Material property: imprint-free

## 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