

# Bellows suction cup (round)

<https://www.schmalz.com/10.01.06.00395>



## FSGA 20 NK-45 G1/8-IG

Part no.: 10.01.06.00395

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



Size: 20  
Number of folds: 1.5  
Suction cup material:  
Natural Rubber NK  
Material hardness: 45 °Sh  
Nipple material: Aluminium  
Vacuum connection: G1/8-F

### Design Data



Attribute	Value
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d2	11 mm
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Dmax(S)	21 mm
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dn	3.5 mm
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Ds	18.1 mm
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G1	G1/8"-F
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H	27.2 mm
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LG1	8 mm
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SW1	14 mm
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Z	5 mm
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### Contact to Schmalz

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## Technical Data

Attribute	Value
Number of folds	1.5
Pull-off force	10.7 N
Size	20
Weight	5.8 g
Nipple	N 016
Suction cup material	Natural Rubber NK
Suction force	4.7 N
Internal hose diameter (recom.)	4 mm
Volume	1.15 cm <sup>3</sup>
Material hardness	45 °Sh
Curve radius (min) (convex)	30 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-IG DN350**

Part no. 10.01.06.05731

Suction cup connection nipple

Nipple: N 016

Thread G1: G1/8-F

Overall length: 18.5 mm

Fitting length: 12 mm

Nominal size: 3,50 mm

Material: Aluminium



**FGA 20 NK-45 N016**

Part no. 10.01.06.00375

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

Size: 20

Suction cup material:

Natural Rubber NK

Material hardness: 45 °Sh

Number of folds: 1.5