

# Bellows suction cup (round)

<https://www.schmalz.com/10.01.06.00081>



## FSGA 33 NBR-55 G1/4-AG

Part no.: 10.01.06.00081

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



Size: 33  
Number of folds: 1.5  
Suction cup material:  
Nitrile rubber NBR  
Material hardness: 55 °Sh  
Nipple material: Aluminium  
Vacuum connection: G1/4-M

### Design Data



Attribute	Value
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d2	17 mm
Dmax(S)	38 mm
dn	4.4 mm
Ds	30 mm
G1	G1/4"-M
H	31 mm
LG1	11 mm
SW1	17 mm
Z	9 mm

### Contact to Schmalz

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## Technical Data

Attribute	Value
Number of folds	1.5
Pull-off force	39.6 N
Size	33
Weight	16 g
Nipple	N 018
Suction cup material	Nitrile rubber NBR
Suction force	13.6 N
Internal hose diameter (recom.)	6 mm
Volume	4.75 cm <sup>3</sup>
Material hardness	55 °Sh
Curve radius (min) (convex)	40 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 N018 G1/4-AG DN440**

Part no. 10.01.06.01065

Suction cup connection nipple

Nipple: N 018

Thread G1: G1/4-M

Overall length: 28.8 mm

Fitting length: 4 mm

Nominal size: 4,40 mm

Material: Aluminium

Spanner size SW2: 5 mm



**FGA 33 NBR-55 N018**

Part no. 10.01.06.00130

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Material hardness: 55 °Sh

Number of folds: 1.5