

# Bellows suction cup (round)

<https://www.schmalz.com/10.01.06.00455>



## FG 20 NK-45 N016

Part no.: 10.01.06.00455

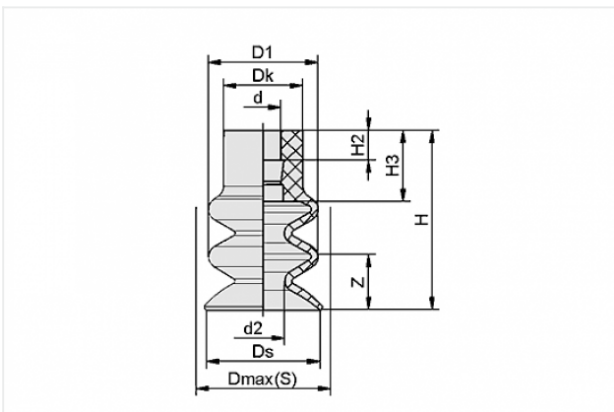
Homepage > Vacuum Technology for Automation > Vacuum Components > Vacuum Suction Cups > Bellows Suction Cups (Round) > FG 20 NK-45 N016

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



Size: 20  
Suction cup material:  
Natural Rubber NK  
Material hardness: 45 °Sh  
Number of folds: 2.5

### Design Data



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

d	4.5 mm
---	--------

d2	10.5 mm
----	---------

D1	20 mm
----	-------

Dk	10 mm
----	-------

Dmax(S)	21 mm
---------	-------

Ds	20 mm
----	-------

H	22.1 mm
---	---------

H2	3.8 mm
----	--------

H3	6.5 mm
----	--------

Z	9 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
Suction force	5.2 N
Pull-off force	12.1 N
Volume	2.298 cm <sup>3</sup>
Curve radius (min) (convex)	30 mm
Size	20
Nipple	N 016
Number of folds	2.5
Suction cup material	Natural Rubber NK
Material hardness	45 °Sh
Weight	2.2 g
Product family	FG

## Accessories



### SA-NIP N016 M5-AG DN250

Part no. 10.01.06.00123

Suction cup connection nipple

Nipple: N 016

Thread G1: M5-M

Overall length: 16 mm

Fitting length: 5 mm

Nominal size: 2,50 mm

Material: Aluminium

## 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



**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