

Bell suction cup (round) FSG 18 NBR-55 M5-AG

Part no.:10.01.06.00027

<https://www.schmalz.com/10.01.06.00027>



Homepage > Vacuum Technology for Automation > Vacuum Components > Vacuum Suction Cups > Bellows Suction Cups (Round) > Bellows Suction Cups FSG (2.5 Folds) > FSG 18 NBR-55 M5-AG

Bellows suction cup (round) for very uneven workpieces



Size: 18

Suction cup material:

Nitrile rubber NBR

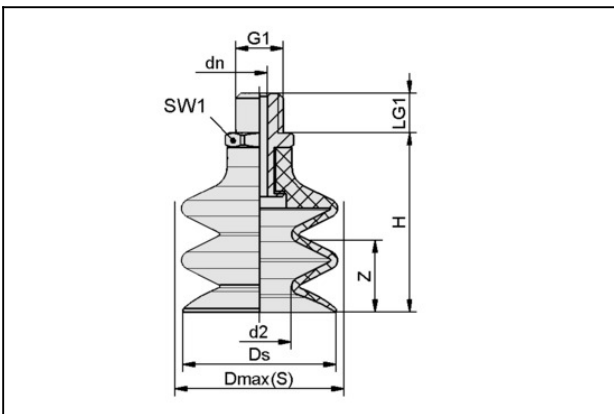
Material hardness: 55 °Sh

Nipple material: Aluminium

Vacuum connection: M5-M

Number of folds: 2.5

Design Data



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

d2	8 mm
----	------

dn	2.5 mm
----	--------

Dmax(S)	19 mm
---------	-------

Ds	17.2 mm
----	---------

G1	M5-AG
----	-------

H	27.6 mm
---	---------

LG1	5 mm
-----	------

SW1	7 mm
-----	------

Z (Stroke)	9 mm
------------	------

Technical Data

[Contact to Schmalz](#)

Schmalz Sp.z.o.o. | Kobaltowa 4, 62-002 Złotniki, Polen | +48 22 460 49 70 | schmalz@schmalz.pl

Page 1 of 3

Bell suction cup (round)

FSG 18 NBR-55 M5-AG

Part no.:10.01.06.00027

<https://www.schmalz.com/10.01.06.00027>



Attribute	Value
Suction cup material	Nitrile rubber NBR
Material hardness [Shore A]	55 Shore A
Size	18
Number of folds	2.5
Connection	M5-AG
Curve radius (min) (convex)	20 mm
Volume	1.35 cm ³
Suction force (-600mbar)	3.02 N
Pull-off force	8.5 N
Hose diameter (empf.) d	2 mm
Weight	2.9 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



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

Bell suction cup (round)

FSG 18 NBR-55 M5-AG

Part no.:10.01.06.00027

<https://www.schmalz.com/10.01.06.00027>



FG 18 NBR-55 N016

Part no.10.01.06.00053

Bellows suction cup (round) for very uneven workpieces

Size: 18

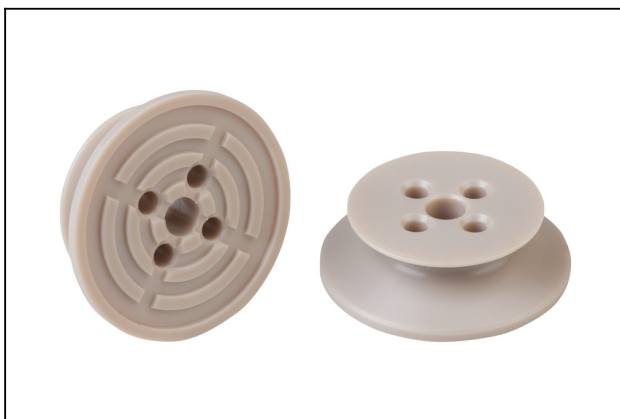
Suction cup material:

Nitrile rubber NBR

Material hardness: 55 °Sh

Number of folds: 2.5

Accessories



SPI 17 PEEK

Part no.10.01.06.03283

Suction cup insert for handling of sensitive workpieces without leaving marks

Size: 17

Material: Polyetheretherketon