

Bell suction cup (round)

FSG 14 NBR-55 G1/8-IG

Part no.:10.01.06.00003

<https://www.schmalz.com/10.01.06.00003>



Homepage > Vacuum Technology for Automation > Vacuum Components > Vacuum Suction Cups > Bellows Suction Cups (Round) > Bellows

Suction Cups FSG (2.5 Folds) > FSG 14 NBR-55 G1/8-IG

Bellows suction cup (round) for very uneven workpieces



Size: 14

Suction cup material:

Nitrile rubber NBR

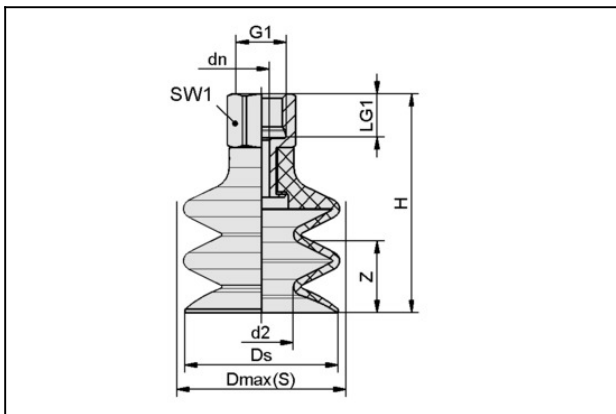
Material hardness: 55 °Sh

Nipple material: Aluminium

Vacuum connection: G1/8"-F

Number of folds: 2.5

Design Data



Attribute

Value

d2 5.4 mm

dn 3.5 mm

Dmax(S) 15.5 mm

Ds 14.5 mm

G1 G1/8"-IG

H 34.8 mm

LG1 8.5 mm

SW1 14 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 14 NBR-55 G1/8-IG

Part no.:10.01.06.00003

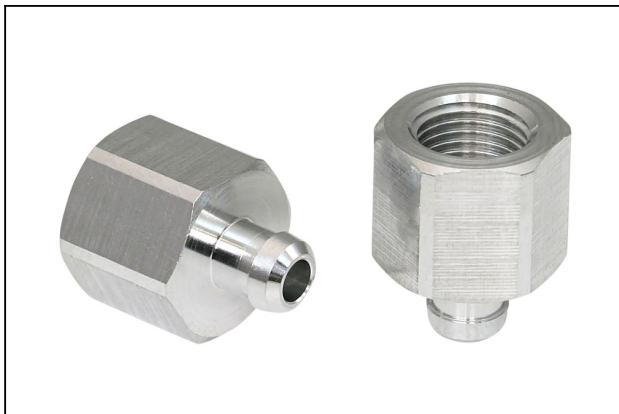
<https://www.schmalz.com/10.01.06.00003>



Attribute	Value
Suction cup material	Nitrile rubber NBR
Material hardness [Shore A]	55 Shore A
Size	14
Number of folds	2.5
Connection	G1/8-IG
Curve radius (min) (convex)	15 mm
Volume	0.975 cm ³
Suction force (-600mbar)	1.37 N
Pull-off force	5.7 N
Hose diameter (empf.) d	4 mm
Weight	5.7 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



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

Bell suction cup (round)

FSG 14 NBR-55 G1/8-IG

Part no.:10.01.06.00003

<https://www.schmalz.com/10.01.06.00003>



FG 14 NBR-55 N016

Part no.10.01.06.00052

Bellows suction cup (round) for very uneven workpieces

Size: 14

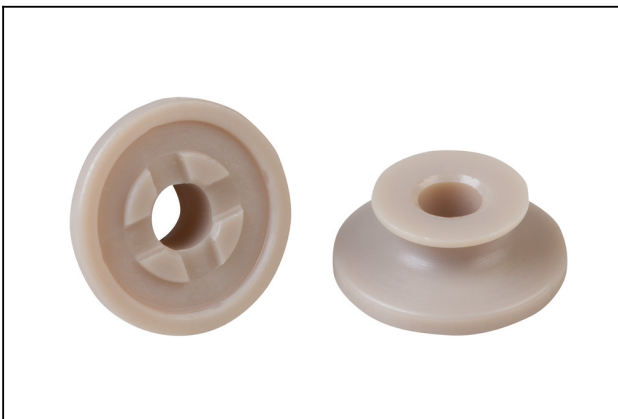
Suction cup material:

Nitrile rubber NBR

Material hardness: 55 °Sh

Number of folds: 2.5

Accessories



SPI 14 PEEK

Part no.10.01.06.03282

Suction cup insert for handling of sensitive workpieces without leaving marks

Size: 14

Material: Polyetheretherketon