

Bell suction cup (round)

FSG 20 SI-55 G1/8-AG

Part no.:10.01.06.00042

<https://www.schmalz.com/10.01.06.00042>



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

Suction Cups FSG (2.5 Folds) > FSG 20 SI-55 G1/8-AG

Bellows suction cup (round) for very uneven workpieces



Size: 20

Suction cup material: Silicone SI

Material hardness: 55 °Sh

Material characteristics:

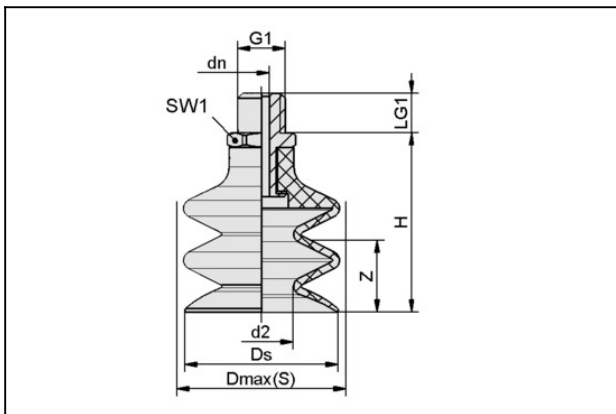
FDA-compatible

Nipple material: Aluminium

Vacuum connection: G1/8"-M

Number of folds: 2.5

Design Data



Attribute	Value
d2	10.5 mm
dn	3.5 mm
Dmax(S)	21 mm
Ds	20 mm
G1	G1/8"-AG
H	28.1 mm
LG1	7.5 mm
SW1	14 mm
Z (Stroke)	9 mm

Technical Data

[Contact to Schmalz](#)

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Page 1 of 3

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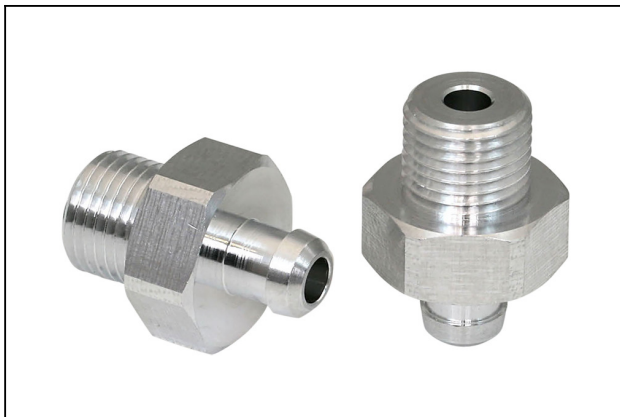
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Attribute	Value
Suction cup material	Silicone SI
Material hardness [Shore A]	55 Shore A
Size	20
Number of folds	2.5
Connection	G1/8-AG
Curve radius (min) (convex)	30 mm
Volume	2.298 cm ³
Suction force (-600mbar)	5.2 N
Pull-off force	12.1 N
Hose diameter (empf.) d	4 mm
Weight	6 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-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

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FG 20 SI-55 N016

Part no.10.01.06.00059

Bellows suction cup (round) for very uneven workpieces

Size: 20

Suction cup material: Silicone SI

Material hardness: 55 °Sh

Material characteristics:

FDA-compatible

Number of folds: 2.5

Accessories



FD 16 120

Part no.10.01.06.02565

Filter disc

External diameter D: 16 mm

Filter pore size: 120 µm

for: Bellows suction cup

Size: FG20/FGA20



SPI 21 PEEK

Part no.10.01.06.03285

Suction cup insert for handling of sensitive workpieces without leaving marks

Size: 21

Material: Polyetheretherketon