

Bell suction cup (round)

FSG 42 SI-55 G1/4-IG

Part no.:10.01.06.00016

<https://www.schmalz.com/10.01.06.00016>



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Suction Cups FSG (2.5 Folds) > FSG 42 SI-55 G1/4-IG

Bellows suction cup (round) for very uneven workpieces



Size: 42

Suction cup material: Silicone SI

Material hardness: 55 °Sh

Material characteristics:

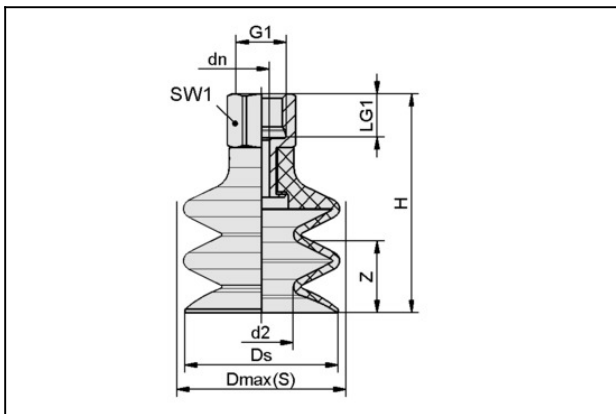
FDA-compatible

Nipple material: Aluminium

Vacuum connection: G1/4"-F

Number of folds: 2.5

Design Data



Attribute

Value

d2 17.8 mm

dn 4.4 mm

Dmax(S) 45 mm

Ds 42.6 mm

G1 G1/4"-IG

H 61 mm

LG1 12 mm

SW1 17 mm

Z (Stroke) 20 mm

Technical Data

[Contact to Schmalz](#)

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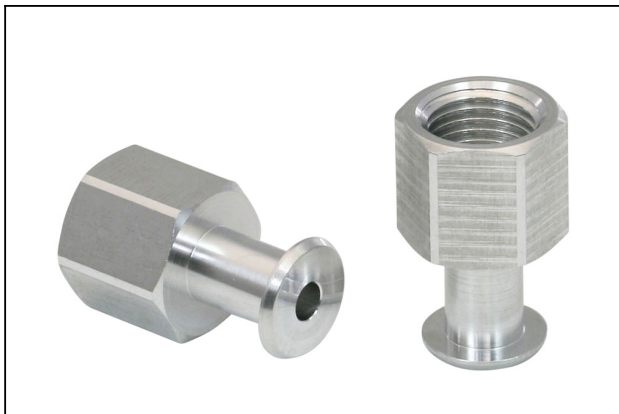
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Attribute	Value
Suction cup material	Silicone SI
Material hardness [Shore A]	55 Shore A
Size	42
Number of folds	2.5
Connection	G1/4-IG
Curve radius (min) (convex)	75 mm
Volume	19.786 cm ³
Suction force (-600mbar)	14.93 N
Pull-off force	44 N
Hose diameter (empf.) d	6 mm
Weight	27 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 N018 G1/4-IG DN440

Part no.10.01.06.01066

Suction cup connection nipple

Nipple: N 018

Thread G1: G1/4"-F

Overall length: 28.8 mm

Fitting length: 15 mm

Nominal size: 4,40 mm

Material: Aluminium

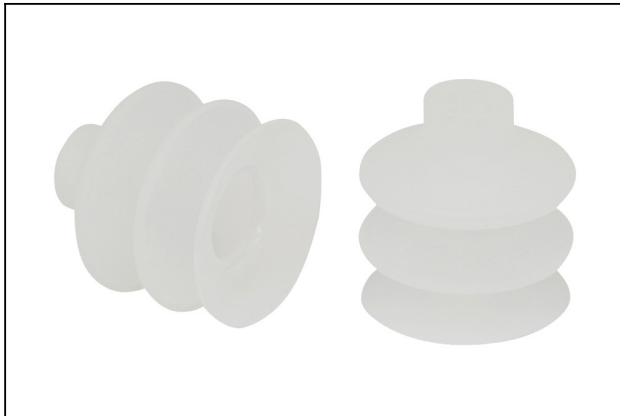
Spanner size SW2: 5 mm

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FG 42 SI-55 N018

Part no.10.01.06.00145

Bellows suction cup (round) for very uneven workpieces

Size: 42

Suction cup material: Silicone SI

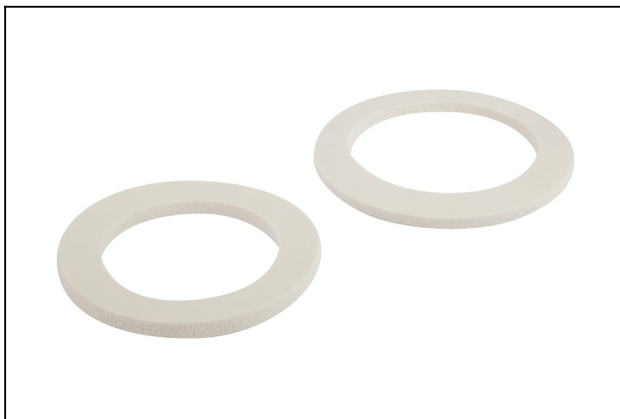
Material hardness: 55 °Sh

Material characteristics:

FDA-compatible

Number of folds: 2.5

Accessories



DR 42/20x5 MOS SI-15

Part no.10.01.06.02616

Gasket made from special foam for optimal sealing of structured surfaces

External diameter D: 42 mm

Internal diameter d: 20 mm

Height H: 5 mm

Material-Type: Foam rubber

Sealing material: Silicone SI

Material hardness: 15 °Sh



FD 34 120

Part no.10.01.06.02572

Filter disc

External diameter D: 34 mm

Filter pore size: 120 µm

for: Bellows suction pad

Size: FG 42

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SU 40

Part no.10.01.01.12856

Cover for suction cup

Size: 40

Clamping range: 35.0 ... 45.0 mm

Temperature resistance: 80 °C