

Bell suction cup (round)

FSG 5 SI-55 M5-IG

Part no.:10.01.06.00664

<https://www.schmalz.com/10.01.06.00664>



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Bellows suction cup (round) for very uneven workpieces



Size: 5

Suction cup material: Silicone SI

Material hardness: 55 °Sh

Material characteristics:

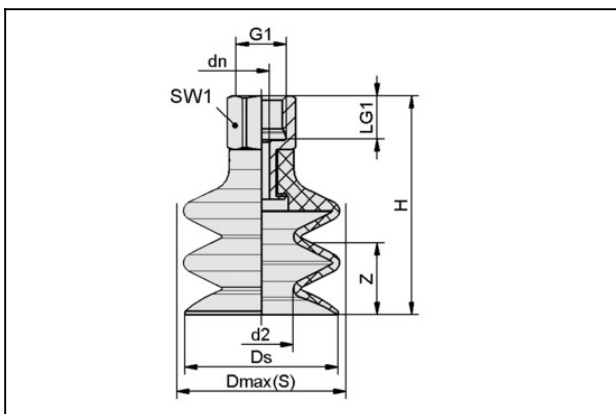
FDA-compatible

Nipple material: Aluminium

Vacuum connection: M5-F

Number of folds: 2.5

Design Data



Attribute

Value

d2 2.6 mm

dn 2 mm

Dmax(S) 7 mm

Ds 5 mm

G1 M5-IG

H 24 mm

LG1 5.5 mm

SW1 8 mm

Z (Stroke) 2 mm

Technical Data

[Contact to Schmalz](#)

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Attribute	Value
Suction cup material	Silicone SI
Material hardness [Shore A]	55 Shore A
Size	5
Number of folds	2.5
Connection	M5-IG
Curve radius (min) (convex)	7.5 mm
Volume	0.033 cm ³
Suction force (-600mbar)	0.32 N
Pull-off force	0.8 N
Hose diameter (empf.) d	2 mm
Weight	1.7 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 N017 M5-IG DN200

Part no.10.01.06.00313

Suction cup connection nipple

Nipple: N 017

Thread G1: M5-F

Overall length: 17 mm

Fitting length: 10 mm

Nominal size: 2.00 mm

Material: Aluminium

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FG 5 SI-55 N017

Part no.10.01.06.00642

Bellows suction cup (round) for very uneven workpieces

Size: 5

Suction cup material: Silicone SI

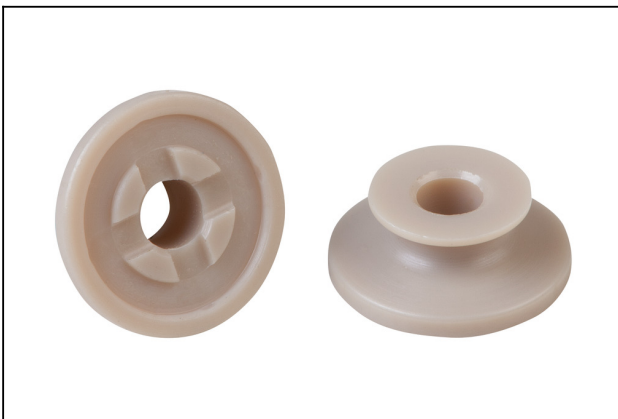
Material hardness: 55 °Sh

Material characteristics:

FDA-compatible

Number of folds: 2.5

Accessories



SPI 6 PEEK

Part no.10.01.06.03279

Suction cup insert for handling of sensitive workpieces without leaving marks

Size: 6

Material: Polyetheretherketon