

Bell suction cup (round)

FSGA 22 SI-55 M5-AG

Part no.:10.01.06.00090

<https://www.schmalz.com/10.01.06.00090>



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Bellows suction cup (round) with optimal adaptation to uneven surfaces



Size: 22

Number of folds: 1.5

Suction cup material: Silicone SI

Material hardness: 55 °Sh

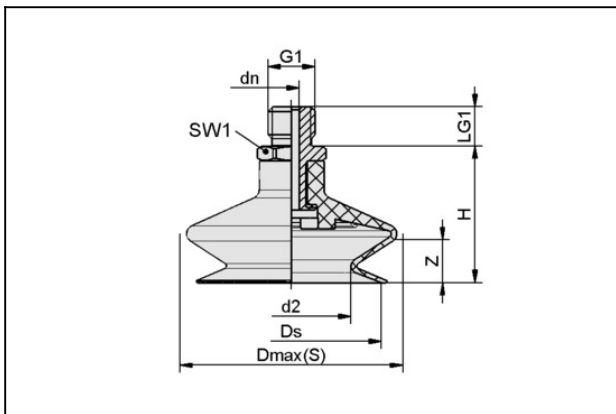
Material characteristics:

FDA-compatible

Nipple material: Aluminium

Vacuum connection: M5-M

Design Data



Attribute

Value

d2 11.7 mm

Dmax(S) 25 mm

dn 2.5 mm

Ds 21.5 mm

G1 M5-AG

H 24 mm

LG1 5 mm

SW1 7 mm

Z (Stroke) 6 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	22
Number of folds	1.5
Connection	M5-AG
Curve radius (min) (convex)	25 mm
Volume	1.4 cm ³
Suction force (-600mbar)	5.7 N
Pull-off force	15.2 N
Hose diameter (empf.) d	2 mm
Weight	3.1 g
Product family	FSGA

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

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FGA 22 SI-55 N016

Part no.10.01.06.00100

Bellows suction cup (round) with optimal adaptation to uneven surfaces

Size: 22

Suction cup material: Silicone SI

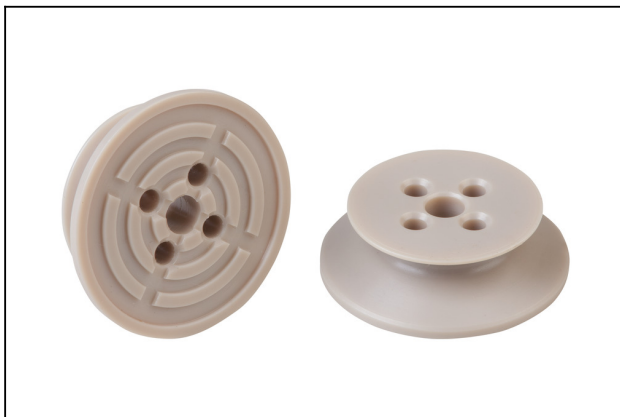
Material hardness: 55 °Sh

Material characteristics:

FDA-compatible

Number of folds: 1.5

Accessories



SPI 21 PEEK

Part no.10.01.06.03285

Suction cup insert for handling of sensitive workpieces without leaving marks

Size: 21

Material: Polyetheretherketon