

Bell suction cup (round)

FSGA 53 SI-55 G1/4-AG

Part no.:10.01.06.00093

<https://www.schmalz.com/10.01.06.00093>



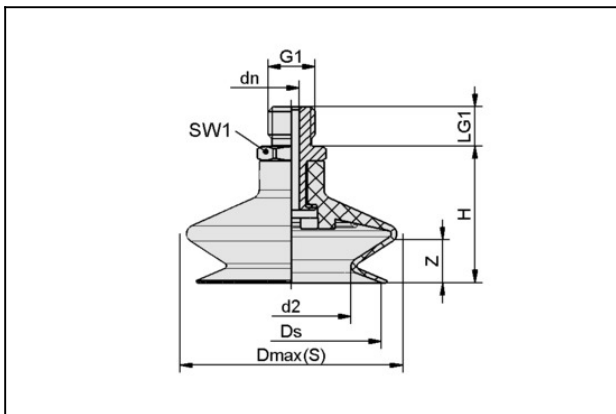
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Bellows suction cup (round) with optimal adaptation to uneven surfaces



Size: 53
Number of folds: 1.5
Suction cup material: Silicone SI
Material hardness: 55 °Sh
Material characteristics:
FDA-compatible
Nipple material: Aluminium
Vacuum connection: G1/4"-M

Design Data



Attribute	Value
d2	33 mm
Dmax(S)	60 mm
dn	4.4 mm
Ds	50 mm
G1	G1/4"-AG
H	38 mm
LG1	11 mm
SW1	17 mm
Z (Stroke)	12 mm

Technical Data

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Attribute	Value
Suction cup material	Silicone SI
Material hardness [Shore A]	55 Shore A
Size	53
Number of folds	1.5
Connection	G1/4-AG
Curve radius (min) (convex)	100 mm
Volume	26.488 cm ³
Suction force (-600mbar)	51.3 N
Pull-off force	95 N
Hose diameter (empf.) d	6 mm
Weight	27 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 N018 G1/4-AG DN440

Part no.10.01.06.01065

Suction cup connection nipple

Nipple: N 018

Thread G1: G1/4"-M

Overall length: 28.8 mm

Fitting length: 4 mm

Nominal size: 4,40 mm

Material: Aluminium

Spanner size SW2: 5 mm

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FGA 53 SI-55 N018

Part no.10.01.06.00128

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

Size: 53

Suction cup material: Silicone SI

Material hardness: 55 °Sh

Material characteristics:

FDA-compatible

Number of folds: 1.5