

Bell suction cup (round)

FSGA 33 SI-55 G1/4-AG

Part no.:10.01.06.00091

<https://www.schmalz.com/10.01.06.00091>



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

Suction Cups FSGA (1.5 Folds) > FSGA 33 SI-55 G1/4-AG

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



Size: 33

Number of folds: 1.5

Suction cup material: Silicone SI

Material hardness: 55 °Sh

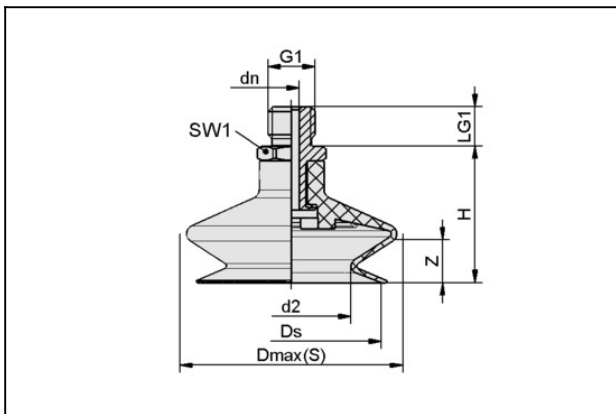
Material characteristics:

FDA-compatible

Nipple material: Aluminium

Vacuum connection: G1/4"-M

Design Data



Attribute	Value
d2	17 mm
Dmax(S)	38 mm
dn	4.4 mm
Ds	30 mm
G1	G1/4"-AG
H	31 mm
LG1	11 mm
SW1	17 mm
Z (Stroke)	9 mm

Technical Data

[Contact to Schmalz](#)

Schmalz Sp.z.o.o. | Kobaltowa 4, 62-002 Złotniki, Polen | +48 22 460 49 70 | schmalz@schmalz.pl

Page 1 of 3

Bell suction cup (round)

FSGA 33 SI-55 G1/4-AG

Part no.:10.01.06.00091

<https://www.schmalz.com/10.01.06.00091>



Attribute	Value
Suction cup material	Silicone SI
Material hardness [Shore A]	55 Shore A
Size	33
Number of folds	1.5
Connection	G1/4-AG
Curve radius (min) (convex)	40 mm
Volume	4.75 cm ³
Suction force (-600mbar)	13.6 N
Pull-off force	39.6 N
Hose diameter (empf.) d	6 mm
Weight	16 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

Bell suction cup (round)

FSGA 33 SI-55 G1/4-AG

Part no.:10.01.06.00091

<https://www.schmalz.com/10.01.06.00091>



FGA 33 SI-55 N018

Part no.10.01.06.00126

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

Size: 33

Suction cup material: Silicone SI

Material hardness: 55 °Sh

Material characteristics:

FDA-compatible

Number of folds: 1.5

Accessories



SPI 32 PEEK

Part no.10.01.06.03287

Suction cup insert for handling of sensitive workpieces without leaving marks

Size: 32

Material: Polyetheretherketon