

Bellows suction cups (round)

FSGA 43 SI-55 G1/4-AG

Part no.:10.01.06.00092

<https://www.schmalz.com/10.01.06.00092>

Home > Vacuum Technology for Automation > Vacuum Components > Vacuum Suction Cups > Suction Cups for the Electronics Industry > Bellows Suction Cups FSGA (1.5 Folds) > FSGA 43 SI-55 G1/4-AG

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



Size: 43

Suction cup material: Silicone SI

Material hardness [Shore A]: 55 Shore A

Material characteristics: FDA-compatible

Nipple material: Aluminum

Connection: G1/4"-M

Number of folds: 1.5

Vacuum connection: G1/4"-M

Design Data



Attribute	Value
d2	21.90 mm
Dmax(S)	47.50 mm
dn	4.40 mm
Ds	38 mm
G1	G1/4"-M
H	31.60 mm
LG1	11 mm
SW1	17 mm
Z (Stroke)	10 mm

Note: Acceptable dimensional tolerances for elastomer parts concerning to DIN ISO 3302-1 M3

Technical Data

Attribute	Value
Suction cup material	Silicone SI
Material hardness [Shore A]	55 Shore A
Size	43
Number of folds	1.50
Connection	G1/4-AG
Curve radius (min) (convex)	60 mm
Volume	9.25 cm ³

Contact Schmalz

J. Schmalz GmbH | Johannes-Schmalz-Str.1, 72293 Glatten, Germany | +49 7443 2403-102 | customercenter@schmalz.de

Bellows suction cups (round)

FSGA 43 SI-55 G1/4-AG

Part no...:10.01.06.00092

<https://www.schmalz.com/10.01.06.00092>

Suction force	22.80 N
Pull-off force	64.50 N
Hose diameter (rec.) d	6 mm
Weight	19 g
Product family	FSGA

Note: Suction force: The specified suction forces are theoretical values at a vacuum of -0.6 bar and with a dry, smooth and even 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

Nipple family: N 018

Thread G1: G1/4"-M

Length L1: 28.8 mm

Fitting length: 4 mm

Nominal diameter dn: 4.4 mm

Spanner size SW2: 5 mm

Material: Aluminum



FGA 43 SI-55 N018

Part no...:10.01.06.00127

Size: 43

Suction cup material: Silicone SI

Material hardness [Shore A]: 55 Shore A

Material characteristics: FDA-compatible

Number of folds: 1.5

Contact Schmalz

J. Schmalz GmbH | Johannes-Schmalz-Str.1, 72293 Glatten, Germany | +49 7443 2403-102 | customercenter@schmalz.de