

Bellows suction cups (round)

FSG 52 SI-55 G1/4-AG

Part no.:10.01.06.00586

<https://www.schmalz.com/10.01.06.00586>

Home > Vacuum Technology for Automation > Vacuum Components > Vacuum Suction Cups > Bellows Suction Cups (Round) > Bellows Suction Cups FSG (2.5 Folds) > FSG 52 SI-55 G1/4-AG

Bellows suction cup (round) for very uneven workpieces



Size: 52

Suction cup material: Silicone SI

Material hardness [Shore A]: 55 Shore A

Material characteristics: FDA-compatible

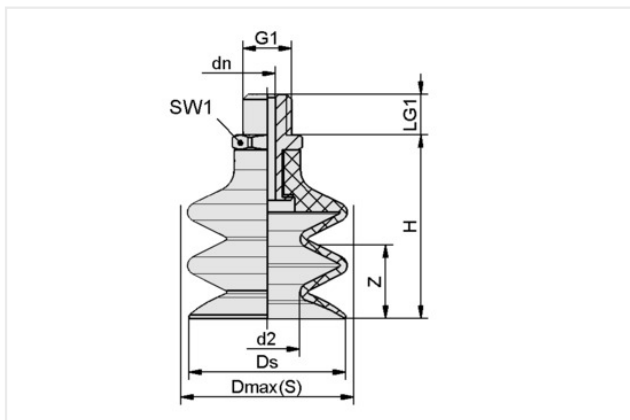
Nipple material: Aluminum

Connection: G1/4"-M

Number of folds: 2.5

Vacuum connection: G1/4"-M

Design Data



Attribute	Value
d2	24.60 mm
dn	4.40 mm
Dmax(S)	55 mm
Ds	52.50 mm
G1	G1/4"-M
H	52.70 mm
LG1	11 mm
SW1	17 mm
Z (Stroke)	25 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	52
Number of folds	2.50
Connection	G1/4-AG
Curve radius (min) (convex)	75 mm
Volume	35 cm ³

Contact Schmalz

Schmalz GmbH | Eigentlstr. 1, 8309 Nürensdorf, Switzerland | +41 44 555 05 05 | schmalz@schmalz.ch

Bellows suction cups (round)

FSG 52 SI-55 G1/4-AG

Part no.:10.01.06.00586

<https://www.schmalz.com/10.01.06.00586>

Suction force (-600mbar)	28.52 N
Pull-off force	96 N
Hose diameter (rec.) d	6 mm
Weight	32 g
Product family	FSG

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

Accessories



DR 52/33x5 MOS SI-15

Part no.:10.01.06.02548

External diameter D: 52 mm

Internal diameter d: 33 mm

Height H: 5 mm

Material type: Foam rubber

Sealing material: Silicone SI

Material hardness [Shore A]: 15 Shore A



FD 44 120

Part no.:10.01.06.02573

External diameter D: 44 mm

Filter pore size: 120 µm

Construction use: Bellows suction cup

Size: FG 52

Bellows suction cups (round)

FSG 52 SI-55 G1/4-AG

Part no.:10.01.06.00586

<https://www.schmalz.com/10.01.06.00586>



SU 50

Part no.:10.01.01.12837

Size: 50

Clamping range: 45.0 ... 60.0 mm

Temperature resistance: 80 °C

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



FG 52 SI-55 N018

Part no.:10.01.06.00585

Size: 52

Suction cup material: Silicone SI

Material hardness [Shore A]: 55 Shore A

Material characteristics: FDA-compatible

Number of folds: 2.5

Contact Schmalz

Schmalz GmbH | Eigentalstr. 1, 8309 Nürens Dorf, Switzerland | +41 44 555 05 05 | schmalz@schmalz.ch