

Bell suction cup (round)

FSG 52 NBR-55 G1/4-IG

Part no.:10.01.06.00584

<https://www.schmalz.com/10.01.06.00584>



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

Suction Cups FSG (2.5 Folds) > FSG 52 NBR-55 G1/4-IG

Bellows suction cup (round) for very uneven workpieces



Size: 52

Suction cup material:

Nitrile rubber NBR

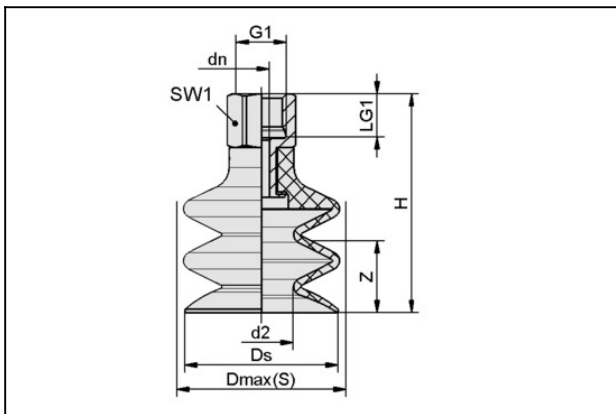
Material hardness: 55 °Sh

Nipple material: Aluminium

Vacuum connection: G1/4"-F

Number of folds: 2.5

Design Data



Attribute	Value
-----------	-------

d2	24.6 mm
----	---------

dn	4.4 mm
----	--------

Dmax(S)	55 mm
---------	-------

Ds	52.5 mm
----	---------

G1	G1/4"-IG
----	----------

H	63.7 mm
---	---------

LG1	12 mm
-----	-------

SW1	17 mm
-----	-------

Z (Stroke)	25 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 4

Bell suction cup (round)

FSG 52 NBR-55 G1/4-IG

Part no.:10.01.06.00584

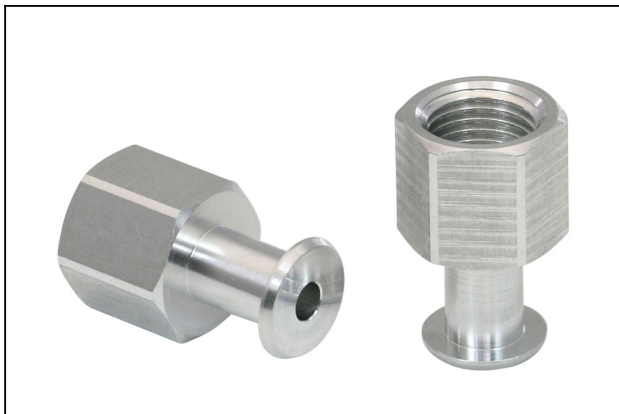
<https://www.schmalz.com/10.01.06.00584>



Attribute	Value
Suction cup material	Nitrile rubber NBR
Material hardness [Shore A]	55 Shore A
Size	52
Number of folds	2.5
Connection	G1/4-IG
Curve radius (min) (convex)	75 mm
Volume	37.587 cm ³
Suction force (-600mbar)	28.52 N
Pull-off force	96 N
Hose diameter (empf.) 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 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-IG DN440

Part no.10.01.06.01066

Suction cup connection nipple

Nipple: N 018

Thread G1: G1/4"-F

Overall length: 28.8 mm

Fitting length: 15 mm

Nominal size: 4,40 mm

Material: Aluminium

Spanner size SW2: 5 mm

Bell suction cup (round)

FSG 52 NBR-55 G1/4-IG

Part no.:10.01.06.00584

<https://www.schmalz.com/10.01.06.00584>



FG 52 NBR-55 N018

Part no.10.01.06.00583

Bellows suction cup (round) for very uneven workpieces

Size: 52

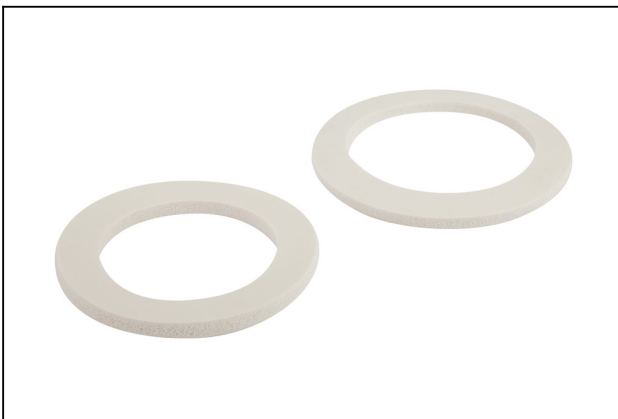
Suction cup material:

Nitrile rubber NBR

Material hardness: 55 °Sh

Number of folds: 2.5

Accessories



DR 52/33x5 MOS SI-15

Part no.10.01.06.02548

Gasket made from special foam for optimal sealing of structured surfaces

External diameter D: 52 mm

Internal diameter d: 33 mm

Height H: 5 mm

Material-Type: Foam rubber

Sealing material: Silicone SI

Material hardness: 15 °Sh



FD 44 120

Part no.10.01.06.02573

Filter disc

External diameter D: 44 mm

Filter pore size: 120 µm

for: Bellows suction cup

Size: FG 52

Bell suction cup (round)

FSG 52 NBR-55 G1/4-IG

Part no.:10.01.06.00584

<https://www.schmalz.com/10.01.06.00584>



SU 50

Part no.10.01.01.12837

Cover for suction cup

Size: 50

Clamping range: 45.0 ... 60.0 mm

Temperature resistance: 80 °C