

Bellows suction cups (round)

FSG 18 NBR-55 M5-AG

Part no.:10.01.06.00027

<https://www.schmalz.com/10.01.06.00027>

Home > Vacuum Technology for Automation > Vacuum Components > Vacuum Suction Cups > Bellows Suction Cups (Round) > Bellows Suction Cups FSG (2.5 Folds) > FSG 18 NBR-55 M5-AG

Bellows suction cup (round) for very uneven workpieces



Size: 18

Suction cup material: Nitrile rubber NBR

Material hardness [Shore A]: 55 Shore A

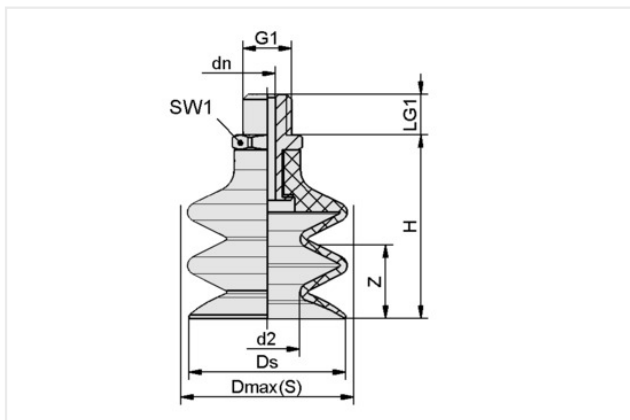
Nipple material: Aluminum

Connection: M5-M

Number of folds: 2.5

Vacuum connection: M5-M

Design Data



Attribute	Value
d2	8 mm
dn	2.50 mm
Dmax(S)	19 mm
Ds	17.20 mm
G1	M5-M
H	27.60 mm
LG1	5 mm
SW1	7 mm
Z (Stroke)	9 mm

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

Technical Data

Attribute	Value
Suction cup material	Nitrile rubber NBR
Material hardness [Shore A]	55 Shore A
Size	18
Number of folds	2.50
Connection	M5-AG
Curve radius (min) (convex)	20 mm
Volume	1.35 cm ³

Contact Schmalz

J. Schmalz GmbH | Johannes-Schmalz-Str.1, 72293 Glatten, Germany | +49 7443 2403-105 | kundencenter@schmalz.de

Bellows suction cups (round)

FSG 18 NBR-55 M5-AG

Part no.:10.01.06.00027

<https://www.schmalz.com/10.01.06.00027>

Suction force (-600mbar)	3.02 N
Pull-off force	8.50 N
Hose diameter (rec.) d	2 mm
Weight	2.90 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



SPI 17 PEEK

Part no.:10.01.06.03283

Size: 17

Material: Polyetheretherketon

Spare parts



SA-NIP N016 M5-AG DN250

Part no.:10.01.06.00123

Nipple family: N 016

Thread G1: M5-M

Length L1: 16 mm

Fitting length: 5 mm

Nominal diameter dn: 2.5 mm

Material: Aluminum

Contact Schmalz

J. Schmalz GmbH | Johannes-Schmalz-Str.1, 72293 Glatten, Germany | +49 7443 2403-105 | kundencenter@schmalz.de

Bellows suction cups (round)

FSG 18 NBR-55 M5-AG

Part no...:10.01.06.00027

<https://www.schmalz.com/10.01.06.00027>



FG 18 NBR-55 N016

Part no...:10.01.06.00053

Size: 18

Suction cup material: Nitrile rubber NBR

Material hardness [Shore A]: 55 Shore A

Number of folds: 2.5

Contact Schmalz

J. Schmalz GmbH | Johannes-Schmalz-Str.1, 72293 Glatten, Germany | +49 7443 2403-105 | kundencenter@schmalz.de