

## Bellows suction cups (round)

FSG 3 SI-CO-55 M5-AG

Part no.: 10.01.06.03720

<https://www.schmalz.co.jp/10.01.06.03720>

Home > Vacuum Technology for Automation > Vacuum Components > Vacuum Suction Cups > Bellows Suction Cups (Round) > Bellows Suction Cups FSG (2.5 Folds) > FSG 3 SI-CO-55 M5-AG

### Bellows suction cup (round) for very uneven workpieces



Size: 3

Suction cup material: Silicone SI conductive

Material hardness [Shore A]: 55 Shore A

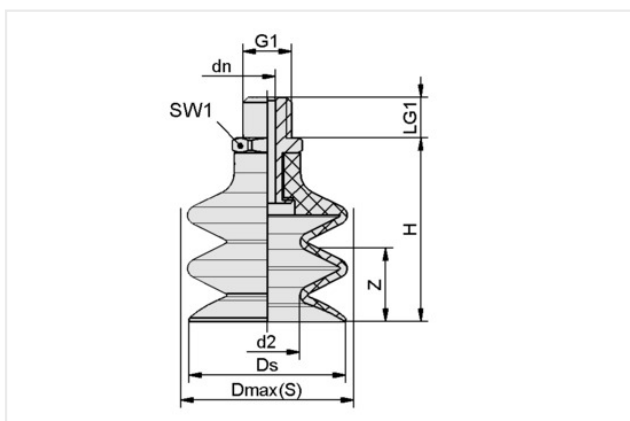
Nipple material: Aluminum

Connection: M5-M

Number of folds: 2.5

Vacuum connection: M5-M

### Design Data



Attribute	Value
d2	1.80 mm
dn	1 mm
Dmax (S)	4 mm
Ds	3 mm
G1	M5-M
H	10.20 mm
LG1	4.50 mm
SW1	7 mm
Z (Stroke)	1.10 mm

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

### Technical Data

Attribute	Value
Suction cup material	Silicone SI conductive
Material hardness [Shore A]	55 Shore A
Size	3
Number of folds	2.50
Connection	M5-AG
Curve radius (min) (convex)	4 mm
Volume	0.02 cm <sup>3</sup>

### Contact Schmalz

Schmalz K.K. | 3001-7 Odana-cho, Tsuzuki-ku, 224-0027 Yokohama, Japan | +81 45 565 5150 | [schmalz@schmalz.co.jp](mailto:schmalz@schmalz.co.jp)

## Bellows suction cups (round)

FSG 3 SI-CO-55 M5-AG

Part no.: 10.01.06.03720

<https://www.schmalz.co.jp/10.01.06.03720>

Suction force (-600mbar)	0.15 N
Pull-off force	0.40 N
Hose diameter (rec.) d	2 mm
Weight	0.70 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

### Spare parts



SA-NIP N055 M5-AG DN100

Part no.: 10.01.01.13084

Thread G1: M5-M

Fitting length: 3.5 mm

Material: Aluminum



FG 3 SI-CO-55 N055

Part no.: 10.01.06.03707

Size: 3

Suction cup material: Silicone SI conductive

Material hardness [Shore A]: 55 Shore A

Number of folds: 2.5

### Contact Schmalz

Schmalz K.K. | 3001-7 Odana-cho, Tsuzuki-ku, 224-0027 Yokohama, Japan | +81 45 565 5150 | [schmalz@schmalz.co.jp](mailto:schmalz@schmalz.co.jp)