

## Bellows suction cups (round)

FSG 4 SI-55 M5-AG

Part no.: 10.01.06.02966

<https://www.schmalz.com/10.01.06.02966>

Home > Bellows Suction Cups FSG (2.5 Folds) > FSG 4 SI-55 M5-AG

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



Size: 4

Suction cup material: Silicone SI

Material hardness [Shore A]: 55 Shore A

Material characteristics: FDA-compatible

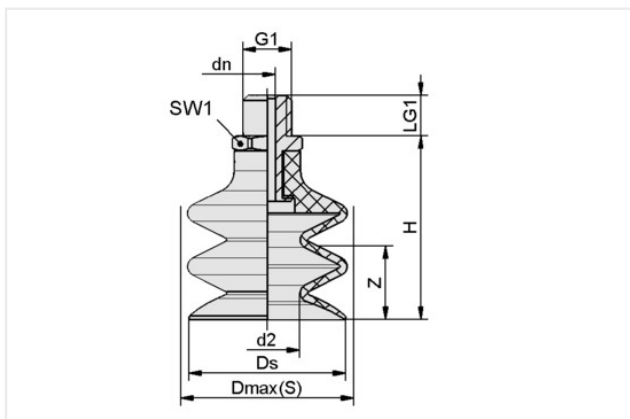
Nipple material: Aluminum

Connection: M5-M

Number of folds: 2.5

Vacuum connection: M5-M

### Design Data



#### Attribute

#### Value

d2	2.40 mm
dn	2 mm
Dmax(S)	5.50 mm
Ds	3.80 mm
G1	M5-M
H	19 mm
LG1	5 mm
SW1	8 mm
Z (Stroke)	1.50 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	4
Number of folds	2.50
Connection	M5-AG
Curve radius (min) (convex)	4 mm
Volume	0.05 cm <sup>3</sup>
Suction force (-600mbar)	0.27 N

### Contact Schmalz

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## Bellows suction cups (round)

FSG 4 SI-55 M5-AG

Part no...:10.01.06.02966

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Pull-off force	0.60 N
Hose diameter (rec.) d	2 mm
Weight	1.50 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 N017 M5-AG DN200

Part no...:10.01.06.00314

Thread G1: M5-M

Fitting length: 5 mm

Material: Aluminum



#### FG 4 SI-55 N017

Part no...:10.01.06.02963

Size: 4

Suction cup material: Silicone SI

Material hardness [Shore A]: 55 Shore A

Material characteristics: FDA-compatible

Number of folds: 2.5

### Contact Schmalz

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