

## Bell suction cup (round) FSGA 6 SI-55 M5-IG

Part no.:10.01.06.02999

<https://www.schmalz.com/10.01.06.02999>



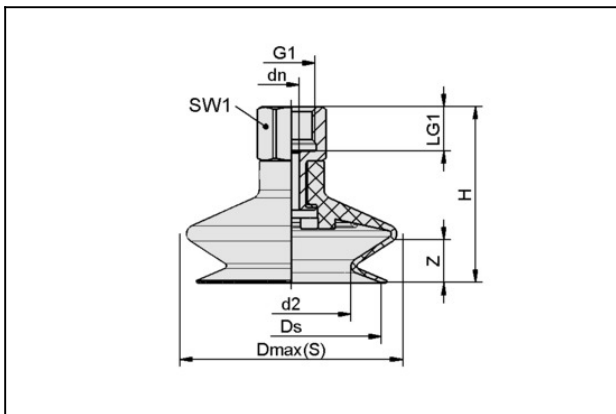
Homepage > Vacuum Technology for Automation > Vacuum Components > Vacuum Suction Cups > Bellows Suction Cups (Round) > Bellows Suction Cups FSGA (1.5 Folds) > FSGA 6 SI-55 M5-IG

### Bellows suction cup (round) with optimal adaptation to uneven surfaces



Size: 6  
Number of folds: 1.5  
Suction cup material: Silicone SI  
Material hardness: 55 °Sh  
Nipple material: Aluminium  
Vacuum connection: M5-F

#### Design Data



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

d2	3 mm
Dmax(S)	8 mm
dn	2 mm
Ds	5.7 mm
G1	M5-IG
H	19 mm
LG1	5.5 mm
SW1	8 mm
Z (Stroke)	2 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](mailto:schmalz@schmalz.pl)

Page 1 of 3

## Bell suction cup (round)

### FSGA 6 SI-55 M5-IG

Part no.:10.01.06.02999

<https://www.schmalz.com/10.01.06.02999>



Attribute	Value
Suction cup material	Silicone SI
Material hardness [Shore A]	55 Shore A
Size	6
Number of folds	1.5
Connection	M5-IG
Curve radius (min) (convex)	4 mm
Volume	0.151 cm <sup>3</sup>
Suction force (-600mbar)	0.4 N
Pull-off force	1.4 N
Hose diameter (empf.) d	4 mm
Weight	1.5 g
Product family	FSGA

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 N004 M5-IG DN200

Part no.10.01.01.03518

Suction cup connection nipple

Nipple: N 004

Thread G1: M5-F

Overall length: 14 mm

Fitting length: 10 mm

Nominal size: 2.00 mm

Material: Aluminium

## Bell suction cup (round)

FSGA 6 SI-55 M5-IG

Part no.:10.01.06.02999

<https://www.schmalz.com/10.01.06.02999>



### **FGA 6 SI-55 N004**

Part no.10.01.06.01571

Bellows suction cup (round) with optimal adaptation to uneven surfaces

Size: 6

Suction cup material: Silicone SI

Material hardness: 55 °Sh

Number of folds: 1.5