

Bell suction cup (round)

FSGA 20 SI-55 G1/8-IG

Part no.:10.01.06.00392

<https://www.schmalz.com/10.01.06.00392>



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

Suction Cups FSGA (1.5 Folds) > FSGA 20 SI-55 G1/8-IG

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



Size: 20

Number of folds: 1.5

Suction cup material: Silicone SI

Material hardness: 55 °Sh

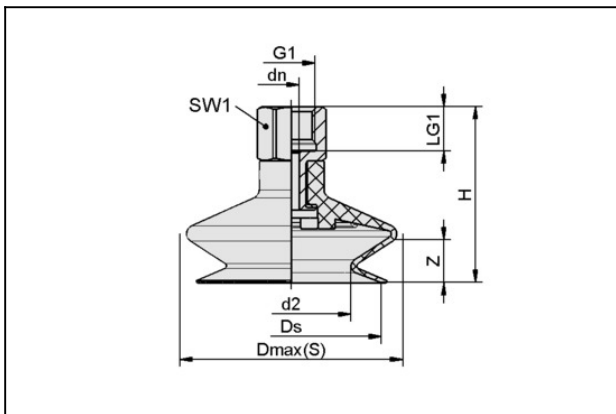
Material characteristics:

FDA-compatible

Nipple material: Aluminium

Vacuum connection: G1/8"-F

Design Data



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

d2	11 mm
Dmax(S)	21 mm
dn	3.5 mm
Ds	18.1 mm
G1	G1/8"-IG
H	27.2 mm
LG1	8 mm
SW1	14 mm
Z (Stroke)	5 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 3

Bell suction cup (round)

FSGA 20 SI-55 G1/8-IG

Part no.:10.01.06.00392

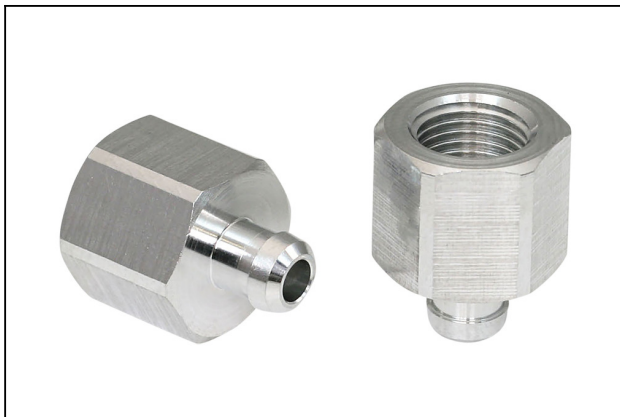
<https://www.schmalz.com/10.01.06.00392>



Attribute	Value
Suction cup material	Silicone SI
Material hardness [Shore A]	55 Shore A
Size	20
Number of folds	1.5
Connection	G1/8-IG
Curve radius (min) (convex)	20 mm
Volume	1.15 cm ³
Suction force (-600mbar)	4.7 N
Pull-off force	10.7 N
Hose diameter (empf.) d	4 mm
Weight	5.8 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 N016 G1/8-IG DN350

Part no.10.01.06.05731

Suction cup connection nipple

Nipple: N 016

Thread G1: G1/8"-F

Overall length: 18.5 mm

Fitting length: 12 mm

Nominal size: 3,50 mm

Material: Aluminium

Bell suction cup (round)

FSGA 20 SI-55 G1/8-IG

Part no.:10.01.06.00392

<https://www.schmalz.com/10.01.06.00392>



FGA 20 SI-55 N016

Part no.10.01.06.00374

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

Size: 20

Suction cup material: Silicone SI

Material hardness: 55 °Sh

Material characteristics:

FDA-compatible

Number of folds: 1.5

Accessories



SPI 18 PEEK

Part no.10.01.06.03284

Suction cup insert for handling of sensitive workpieces without leaving marks

Size: 18

Material: Polyetheretherketon