

Bell suction cup (round)

FSG 9 HT1-60 G1/8-IG

Part no.:10.01.06.00978

<https://www.schmalz.com/10.01.06.00978>



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

Suction Cups FSG (2.5 Folds) > FSG 9 HT1-60 G1/8-IG

Bellows suction cup (round) for very uneven workpieces



Size: 9

Suction cup material:

High temp material HT1

Material hardness: 60 °Sh

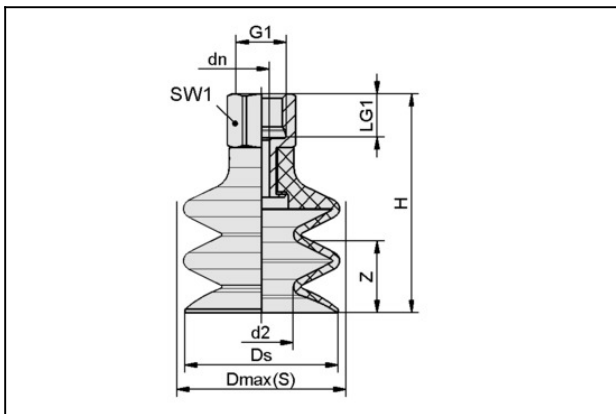
Material property: imprint-free

Nipple material: Aluminium

Vacuum connection: G1/8"-F

Number of folds: 2.5

Design Data



Attribute

Value

d2	4.1 mm
dn	3.5 mm
Dmax(S)	9.5 mm
Ds	9 mm
G1	G1/8"-IG
H	27 mm
LG1	8.5 mm
SW1	14 mm
Z (Stroke)	3 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)

FSG 9 HT1-60 G1/8-IG

Part no.:10.01.06.00978

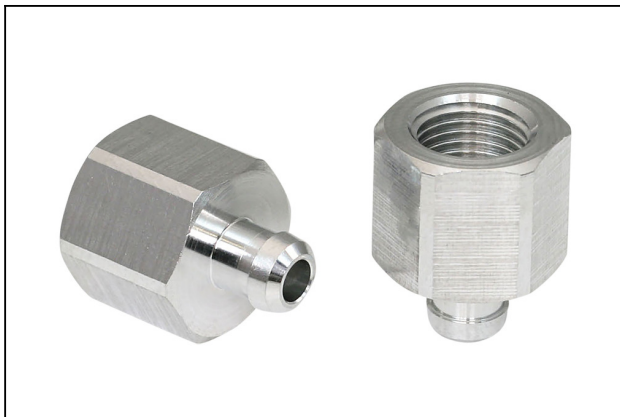
<https://www.schmalz.com/10.01.06.00978>



Attribute	Value
Suction cup material	High temp material HT1
Material hardness [Shore A]	60 Shore A
Size	9
Number of folds	2.5
Connection	G1/8-IG
Curve radius (min) (convex)	10 mm
Volume	0.15 cm ³
Suction force (-600mbar)	0.79 N
Pull-off force	2.3 N
Hose diameter (empf.) d	4 mm
Weight	4.9 g
Product family	FSG

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)

FSG 9 HT1-60 G1/8-IG

Part no.:10.01.06.00978

<https://www.schmalz.com/10.01.06.00978>



FG 9 HT1-60 N016

Part no.10.01.06.00878

Bellows suction cup (round) for very uneven workpieces

Size: 9

Suction cup material:

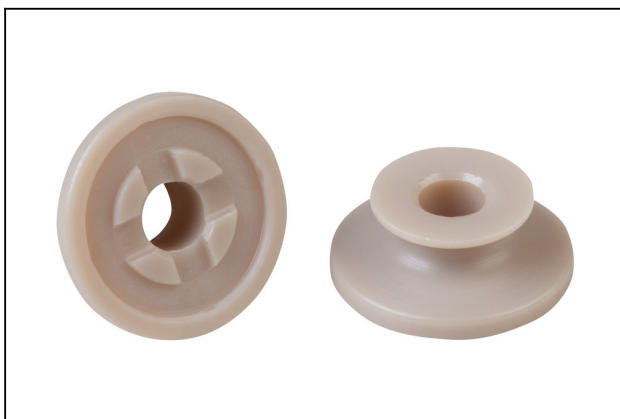
High temp material HT1

Material hardness: 60 °Sh

Number of folds: 2.5

Material property: imprint-free

Accessories



SPI 9 PEEK

Part no.10.01.06.03280

Suction cup insert for handling of sensitive workpieces without leaving marks

Size: 9

Material: Polyetheretherketon