

Bell suction cup (round)

FSGA 6 HT1-60 M5-AG

Part no.:10.01.06.02996

<https://www.schmalz.com/10.01.06.02996>



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



Size: 6

Number of folds: 1.5

Suction cup material:

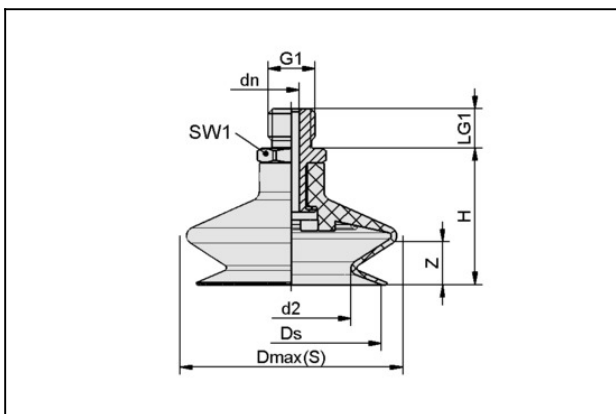
High temp material HT1

Material hardness: 60 °Sh

Nipple material: Aluminium

Vacuum connection: M5-M

Design Data



Attribute

Value

d2	3 mm
Dmax(S)	8 mm
dn	2 mm
Ds	5.7 mm
G1	M5-AG
H	14 mm
LG1	4.5 mm
SW1	8 mm
Z (Stroke)	2 mm

Technical Data

[Contact to Schmalz](#)

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Attribute	Value
Suction cup material	High temp material HT1
Material hardness [Shore A]	60 Shore A
Size	6
Number of folds	1.5
Connection	M5-AG
Curve radius (min) (convex)	4 mm
Volume	0.111 cm ³
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-AG DN200

Part no.10.01.01.03526

Suction cup connection nipple

Nipple: N 004

Thread G1: M5-M

Overall length: 13.5 mm

Fitting length: 5 mm

Nominal size: 2.00 mm

Material: Aluminium

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FGA 6 HT1-60 N004

Part no.10.01.06.02603

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

Size: 6

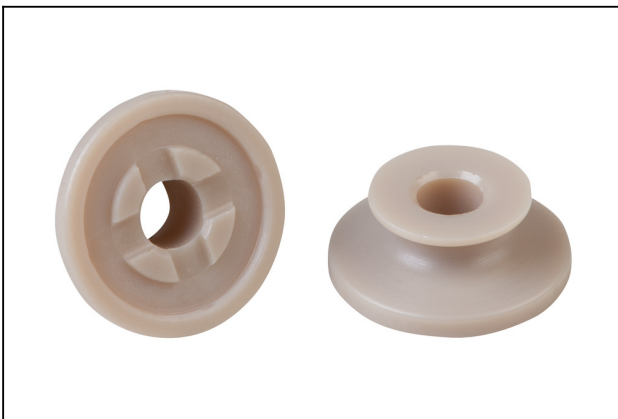
Suction cup material:

High temp material HT1

Material hardness: 60 °Sh

Number of folds: 1.5

Accessories



SPI 6 PEEK

Part no.10.01.06.03279

Suction cup insert for handling of sensitive workpieces without leaving marks

Size: 6

Material: Polyetheretherketon