

Bell suction cup (round)

FSGA 6 HT1-60 M5-IG

Part no.:10.01.06.03000

<https://www.schmalz.com/10.01.06.03000>



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

Suction Cups FSGA (1.5 Folds) > FSGA 6 HT1-60 M5-IG

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



Size: 6

Number of folds: 1.5

Suction cup material:

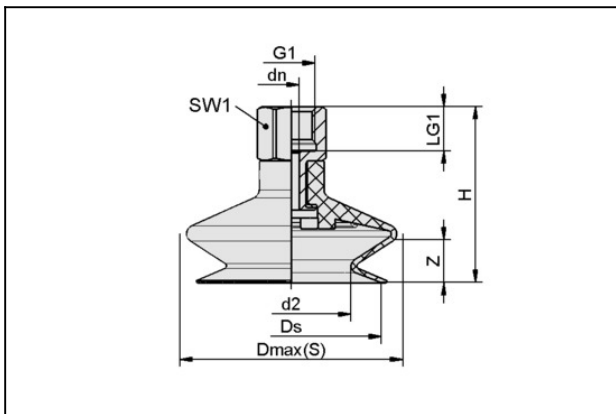
High temp material HT1

Material hardness: 60 °Sh

Nipple material: Aluminium

Vacuum connection: M5-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

Page 1 of 3

Bell suction cup (round)

FSGA 6 HT1-60 M5-IG

Part no.:10.01.06.03000

<https://www.schmalz.com/10.01.06.03000>



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-IG
Curve radius (min) (convex)	4 mm
Volume	0.098 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-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 HT1-60 M5-IG

Part no.:10.01.06.03000

<https://www.schmalz.com/10.01.06.03000>



FGA 6 HT1-60 N004

Part no.10.01.06.02603

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

Size: 6

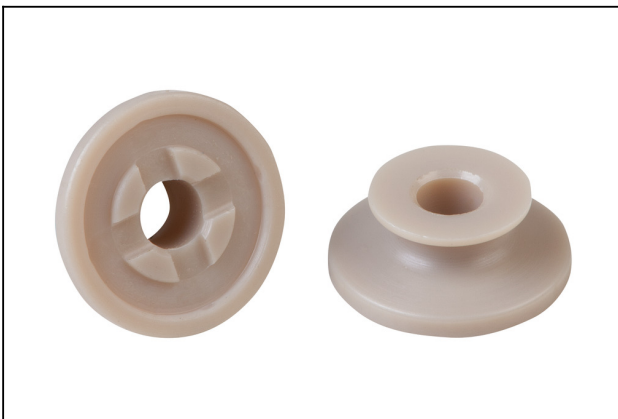
Suction cup material:

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