Bellows suction cups (round)

FSG 20 NK-45 M5-AG

Part no..:10.01.06.00439

https://www.schmalz.com/10.01.06.00439

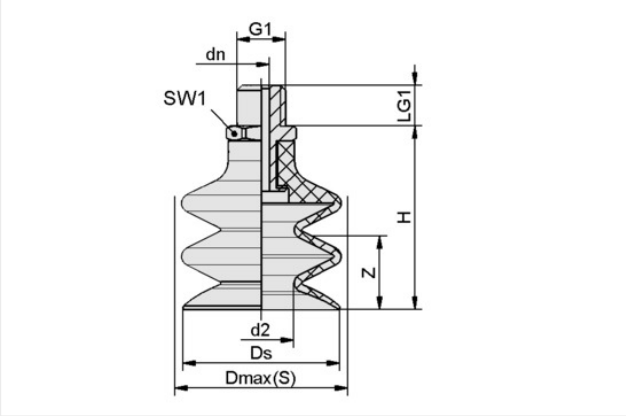
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Bellows suction cup (round) for very uneven workpieces



- Size: 20
- Suction cup material: Natural Rubber NK
- Material hardness [Shore A]: 45 Shore A
- Nipple material: Aluminum
- Connection: M5-M
- Number of folds: 2.5
- Vacuum connection: M5-M

Design Data



Attribute	Value
d2	10.50 mm
dn	2.50 mm
Dmax(S)	21 mm
Ds	20 mm
G1	M5-M
H	27.10 mm
LG1	5 mm
SW1	7 mm
Z (Stroke)	9 mm

Note: Acceptable dimensional tolerances for elastomer parts concerning to DIN ISO 3302-1 M3

Technical Data

Attribute	Value
Suction cup material	Natural Rubber NK
Material hardness [Shore A]	45 Shore A
Size	20
Number of folds	2.50
Connection	M5-AG
Curve radius (min) (convex)	30 mm
Volume	2.30 cm³

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Suction force (-600mbar)	5.20 N
Pull-off force	12.10 N
Hose diameter (rec.) d	2 mm
Weight	3.30 g
Product family	FSG

Note: Suction force: The specified suction forces are theoretical values at a vacuum of -0.6 bar and with a dry, smooth and flat 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

Accessories

FD 16 120

Part no..:10.01.06.02565

External diameter D: 16 mm
Filter pore size: 120 µm
Construction use: Bellows suction cup
Size: FG20/FGA20



SPI 21 PEEK

Part no..:10.01.06.03285

Size: 21
Material: Polyetheretherketon

Spare parts

Bellows suction cups (round)

FSG 20 NK-45 M5-AG

Part no..:10.01.06.00439

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SA-NIP N016 M5-AG DN250

Part no..:10.01.06.00123

Nipple family: N 016
Thread G1: M5-M
Length L1: 16 mm
Fitting length: 5 mm
Nominal diameter dn: 2.5 mm
Material: Aluminum



FG 20 NK-45 N016

Part no..:10.01.06.00455

Size: 20
Suction cup material: Natural Rubber NK
Material hardness [Shore A]: 45 Shore A
Number of folds: 2.5