Bellows suction cups (round)

FSG 9 NK-45 G1/8-IG

Part no..:10.01.06.00431

https://www.schmalz.com/10.01.06.00431

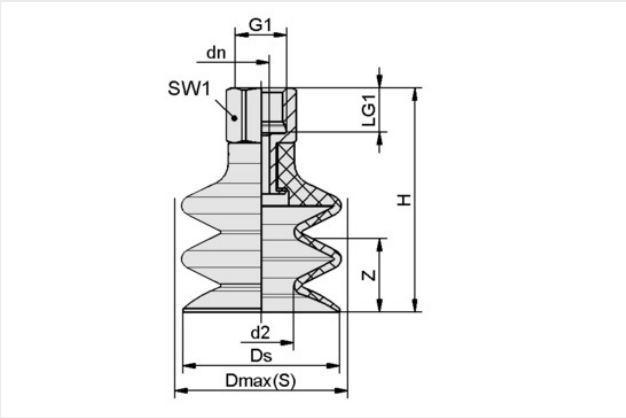
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Bellows suction cup (round) for very uneven workpieces



- Size: 9
- Suction cup material: Natural Rubber NK
- Material hardness [Shore A]: 45 Shore A
- Nipple material: Aluminum
- Connection: G1/8"-F
- Number of folds: 2.5
- Vacuum connection: G1/8"-F

Design Data



Attribute	Value
d2	4.10 mm
dn	3.50 mm
Dmax(S)	9.50 mm
Ds	9 mm
G1	G1/8"-F
H	27 mm
LG1	8.50 mm
SW1	14 mm
Z (Stroke)	3 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	9
Number of folds	2.50
Connection	G1/8-IG
Curve radius (min) (convex)	10 mm
Volume	0.15 cm³

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Suction force (-600mbar)	0.79 N
Pull-off force	2.30 N
Hose diameter (rec.) d	4 mm
Weight	4.90 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



SPI 9 PEEK

Part no..:10.01.06.03280

Size: 9
Material: Polyetheretherketon

Spare parts



SA-NIP N016 G1/8-IG DN350

Part no..:10.01.06.05731

Nipple family: N 016
Thread G1: G1/8"-F
Length L1: 18.5 mm
Fitting length: 12 mm
Nominal diameter dn: 3.5 mm
Material: Aluminum

Bellows suction cups (round)

FSG 9 NK-45 G1/8-IG

Part no..:10.01.06.00431

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FG 9 NK-45 N016

Part no..:10.01.06.00452

Size: 9
Suction cup material: Natural Rubber NK
Material hardness [Shore A]: 45 Shore A
Number of folds: 2.5