Bellows suction cups (round)

FSG 88 SI-55 G1/4-AG

Part no..:10.01.06.00047

https://www.schmalz.com/10.01.06.00047

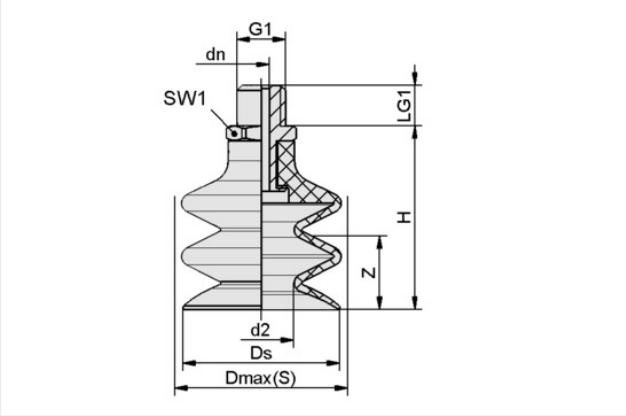
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Bellows suction cup (round) for very uneven workpieces



- Size: 88
- Suction cup material: Silicone SI
- Material hardness [Shore A]: 55 Shore A
- Material characteristics: FDA-compatible
- Nipple material: Aluminum
- Connection: G1/4"-M
- Number of folds: 2.5
- Vacuum connection: G1/4"-M

Design Data



Attribute	Value
d2	29.30 mm
dn	8.20 mm
Dmax(S)	95.50 mm
Ds	89 mm
G1	G1/4"-M
H	92.50 mm
LG1	11 mm
SW1	21 mm
Z (Stroke)	34 mm

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

Technical Data

Attribute	Value
Suction cup material	Silicone SI
Material hardness [Shore A]	55 Shore A
Size	88
Number of folds	2.50
Connection	G1/4-AG
Curve radius (min) (convex)	100 mm
Volume	143.67 cm³

Contact Schmalz
Schmalz Co. Ltd. | #503~507, 118 LS-ro 116Beon-gil, Dongan-gu, Anyang-si, Gyeonggi-do, 14118, South Korea | +82 31 8026 2403
schmalz@schmalz.co.kr

Bellows suction cups (round)

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Suction force (-600mbar)	40.46 N
Pull-off force	286 N
Hose diameter (rec.) d	9 mm
Weight	173 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



DR 88/64x5 MOS SI-15

Part no..:10.01.06.02620

External diameter D: 88 mm
Internal diameter d: 64 mm
Height H: 5 mm
Material type: Foam rubber
Sealing material: Silicone SI
Material hardness [Shore A]: 15 Shore A



SU 70

Part no..:10.01.01.12838

Size: 70
Clamping range: 65.0 ... 80.0 mm
Temperature resistance: 80 °C

Spare parts

Contact Schmalz
Schmalz Co. Ltd. | #503~507, 118 LS-ro 116Beon-gil, Dongan-gu, Anyang-si, Gyeonggi-do, 14118, South Korea | +82 31 8026 2121
schmalz@schmalz.co.kr

Bellows suction cups (round)

FSG 88 SI-55 G1/4-AG

Part no..:10.01.06.00047

https://www.schmalz.com/10.01.06.00047



SA-NIP N018 G1/4-AG DN440

Part no..:10.01.06.01065

Nipple family: N 018
Thread G1: G1/4"-M
Length L1: 28.8 mm
Fitting length: 4 mm
Nominal diameter dn: 4.4 mm
Spanner size SW2: 5 mm
Material: Aluminum



SA-NIP N019 G1/4-AG DN820

Part no..:10.01.06.01959

Nipple family: N 019
Thread G1: G1/4"-M
Length L1: 40 mm
Fitting length: 6 mm
Nominal diameter dn: 8.2 mm
Spanner size SW2: 8 mm
Material: Aluminum



FG 88 SI-55 N019

Part no..:10.01.06.00147

Size: 88
Suction cup material: Silicone SI
Material hardness [Shore A]: 55 Shore A
Material characteristics: FDA-compatible
Number of folds: 2.5

Contact Schmalz

Schmalz Co. Ltd. | #503~507, 118 LS-ro 116Beon-gil, Dongan-gu, Anyang-si, Gyeonggi-do, 14118, South Korea | +82 31 8116 2433

schmalz@schmalz.co.kr