Bellows suction cups (round)

FSGA 78 SI-55 G1/4-AG

Part no..:10.01.06.00094

https://www.schmalz.com/10.01.06.00094

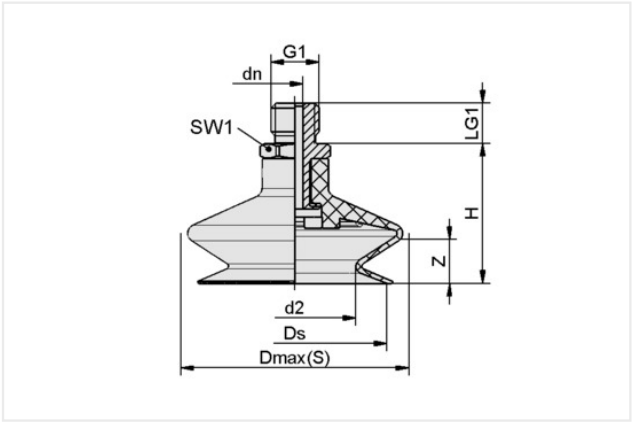
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Bellows suction cup (round) with optimal adaptation to uneven surfaces



- Size: 78
- 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: 1.5
- Vacuum connection: G1/4"-M

Design Data



Attribute	Value
d2	54 mm
Dmax(S)	84.50 mm
dn	8.20 mm
Ds	74 mm
G1	G1/4"-M
H	53 mm
LG1	11 mm
SW1	21 mm
Z (Stroke)	16 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	78
Number of folds	1.50
Connection	G1/4-AG
Curve radius (min) (convex)	100 mm
Volume	75.58 cm³

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Suction force (-600mbar)	137.40 N
Pull-off force	218 N
Hose diameter (rec.) d	6 mm
Weight	71 g
Product family	FSGA

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

Spare parts



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



FGA 78 SI-55 N019

Part no..:10.01.06.00129

Size: 78
Suction cup material: Silicone SI
Material hardness [Shore A]: 55 Shore A
Material characteristics: FDA-compatible
Number of folds: 1.5