

Bellows suction cups (round)

FSGA 78 SI-55 G1/4-IG

Part no...:10.01.06.00074

<https://www.schmalz.com/10.01.06.00074>

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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

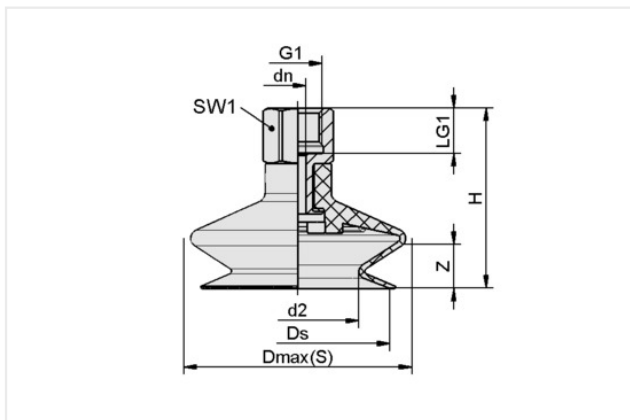
Nipple material: Aluminum

Connection: G1/4"-F

Number of folds: 1.5

Vacuum connection: G1/4"-F

Design Data



| Attribute | Value |
|------------|----------|
| d2 | 54 mm |
| Dmax(S) | 84.50 mm |
| dn | 8.20 mm |
| Ds | 74 mm |
| G1 | G1/4"-F |
| H | 62 mm |
| LG1 | 12 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-IG |
| Curve radius (min) (convex) | 100 mm |
| Volume | 75.58 cm ³ |

Contact Schmalz

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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



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