

Bellows suction cups (round)

FSG 9 NBR-ESD-55 M5-AG

Part no.: 10.01.06.04339

<https://www.schmalz.com/10.01.06.04339>

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Bellows suction cup (round) for very uneven workpieces



Size: 9

Suction cup material: Nitrile rubber NBR-ESD

Material hardness [Shore A]: 55 Shore A

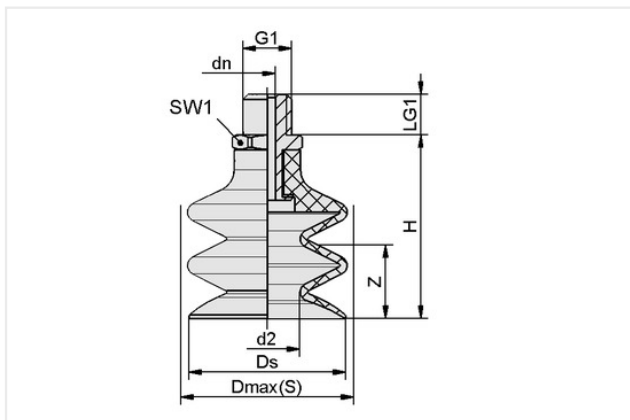
Nipple material: Aluminum

Connection: M5-M

Number of folds: 2.5

Vacuum connection: M5-M

Design Data



| Attribute | Value |
|------------|---------|
| d2 | 4.10 mm |
| dn | 2.50 mm |
| Dmax(S) | 9.50 mm |
| Ds | 9 mm |
| G1 | M5-M |
| H | 20 mm |
| LG1 | 5 mm |
| SW1 | 7 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 | Nitrile rubber NBR-ESD |
| Material hardness [Shore A] | 55 Shore A |
| Size | 9 |
| Number of folds | 2.50 |
| Connection | M5-AG |
| Curve radius (min) (convex) | 10 mm |
| Volume | 0.15 cm ³ |

Contact Schmalz

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| | |
|--------------------------|--------|
| Suction force (-600mbar) | 0.79 N |
| Pull-off force | 2.30 N |
| Hose diameter (rec.) d | 2 mm |
| Weight | 1.80 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

Spare parts



FG 9 NBR-ESD-55 N062

Part no.:10.01.06.04259

Size: 9

Suction cup material: Nitrile rubber NBR-ESD

Material hardness [Shore A]: 55 Shore A

Number of folds: 2.5



SA-NIP N062 M5-AG DN250

Part no.:10.01.06.05668

Thread G1: M5-M

Length L1: 15.9 mm

Fitting length: 5 mm

Nominal diameter dn: 2.5 mm

Material: Aluminum