

## Bellows suction cups (round)

FSG 5 NBR-ESD-55 M5-IG

Part no.: 10.01.06.04333

<https://www.schmalz.co.jp/10.01.06.04333>

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### Bellows suction cup (round) for very uneven workpieces



Size: 5

Suction cup material: Nitrile rubber NBR-ESD

Material hardness [Shore A]: 55 Shore A

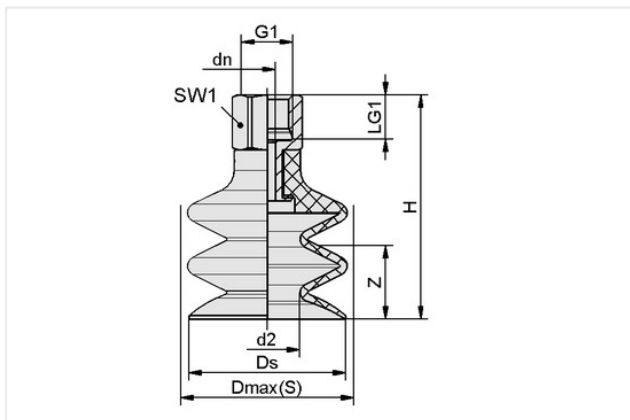
Nipple material: Aluminum

Connection: M5-F

Number of folds: 2.5

Vacuum connection: M5-F

### Design Data



| Attribute  | Value   |
|------------|---------|
| d2         | 2.60 mm |
| dn         | 2 mm    |
| Dmax (S)   | 7 mm    |
| Ds         | 5 mm    |
| G1         | M5-F    |
| H          | 24 mm   |
| LG1        | 5.50 mm |
| SW1        | 8 mm    |
| Z (Stroke) | 2 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                        | 5                      |
| Number of folds             | 2.50                   |
| Connection                  | M5-IG                  |
| Curve radius (min) (convex) | 7.50 mm                |
| Volume                      | 0.03 cm <sup>3</sup>   |

### Contact Schmalz

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|                          |        |
|--------------------------|--------|
| Suction force (-600mbar) | 0.32 N |
| Pull-off force           | 0.80 N |
| Hose diameter (rec.) d   | 2 mm   |
| Weight                   | 1.70 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 5 NBR-ESD-55 N017

Part no.: 10.01.06.04215

Size: 5

Suction cup material: Nitrile rubber NBR-ESD

Material hardness [Shore A]: 55 Shore A

Number of folds: 2.5



#### SA-NIP N017 M5-IG DN200

Part no.: 10.01.06.00313

Thread G1: M5-F

Fitting length: 10 mm

Material: Aluminum

### Contact Schmalz

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