

## Bellows suction cups (round)

FSGA 11 NBR-ESD-55 G1/8-IG

Part no.: 10.01.06.04321

<https://www.schmalz.co.jp/10.01.06.04321>

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



Size: 11

Suction cup material: Nitrile rubber NBR-ESD

Material hardness [Shore A]: 55 Shore A

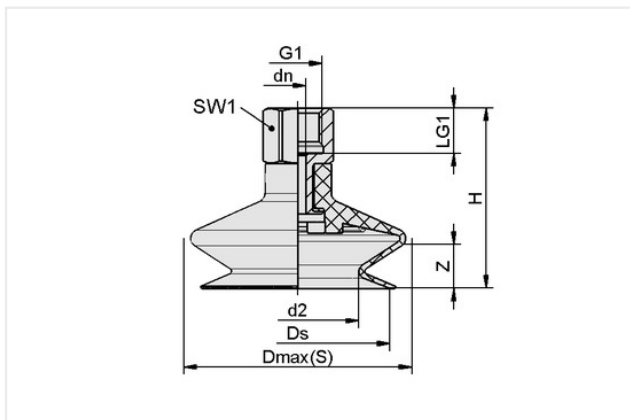
Nipple material: Aluminum

Connection: G1/8"-F

Number of folds: 1.5

Vacuum connection: G1/8"-F

### Design Data



| Attribute  | Value    |
|------------|----------|
| d2         | 5.10 mm  |
| Dmax (S)   | 13 mm    |
| dn         | 3.50 mm  |
| Ds         | 10.40 mm |
| G1         | G1/8"-F  |
| H          | 28 mm    |
| LG1        | 8 mm     |
| SW1        | 14 mm    |
| Z (Stroke) | 4 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                        | 11                     |
| Number of folds             | 1.50                   |
| Connection                  | G1/8-IG                |
| Curve radius (min) (convex) | 10 mm                  |
| Volume                      | 0.23 cm <sup>3</sup>   |

### Contact Schmalz

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|                          |        |
|--------------------------|--------|
| Suction force (-600mbar) | 0.95 N |
| Pull-off force           | 3.80 N |
| Hose diameter (rec.) d   | 4 mm   |
| Weight                   | 5.10 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 11 NBR-ESD-55 N062**

Part no.: 10.01.06.04136

Size: 11

Suction cup material: Nitrile rubber NBR-ESD

Material hardness [Shore A]: 55 Shore A

Number of folds: 1.5



**SA-NIP N062 G1/8-IG DN350**

Part no.: 10.01.06.05669

Thread G1: G1/8"-F

Length L1: 17.9 mm

Fitting length: 12 mm

Nominal diameter dn: 3.5 mm

Material: Aluminum

### Contact Schmalz

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