

## Bell suction cup (round)

### FSGA 16 NBR-55 M5-AG

Part no.:10.01.06.00078

<https://www.schmalz.com/10.01.06.00078>



Homepage > Vacuum Technology for Automation > Vacuum Components > Vacuum Suction Cups > Bellows Suction Cups (Round) > Bellows

Suction Cups FSGA (1.5 Folds) > FSGA 16 NBR-55 M5-AG

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



Size: 16

Number of folds: 1.5

Suction cup material:

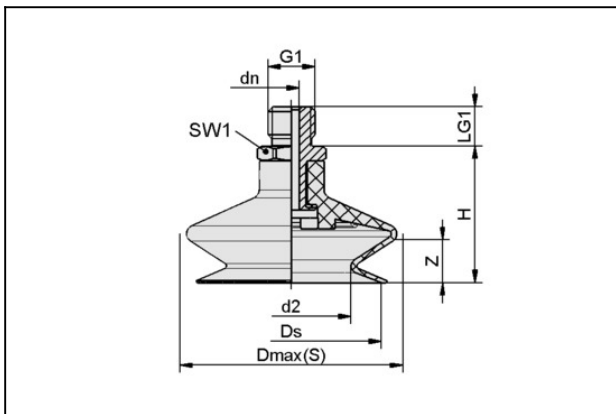
Nitrile rubber NBR

Material hardness: 55 °Sh

Nipple material: Aluminium

Vacuum connection: M5-M

## Design Data



### Attribute

### Value

|            |         |
|------------|---------|
| d2         | 8.4 mm  |
| Dmax(S)    | 18.5 mm |
| dn         | 2.5 mm  |
| Ds         | 15.6 mm |
| G1         | M5-AG   |
| H          | 24.2 mm |
| LG1        | 5 mm    |
| SW1        | 7 mm    |
| Z (Stroke) | 7 mm    |

## Technical Data

[Contact to Schmalz](#)

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Page 1 of 3

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| Attribute                   | Value                |
|-----------------------------|----------------------|
| Suction cup material        | Nitrile rubber NBR   |
| Material hardness [Shore A] | 55 Shore A           |
| Size                        | 16                   |
| Number of folds             | 1.5                  |
| Connection                  | M5-AG                |
| Curve radius (min) (convex) | 20 mm                |
| Volume                      | 0.75 cm <sup>3</sup> |
| Suction force (-600mbar)    | 2.3 N                |
| Pull-off force              | 6.7 N                |
| Hose diameter (empf.) d     | 2 mm                 |
| Weight                      | 2.3 g                |
| Product family              | FSGA                 |

Note: Suction force: The specified suction forces are theoretical values at a vacuum of -0.6 bar and with a smooth, dry 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 N016 M5-AG DN250

Part no.10.01.06.00123

Suction cup connection nipple

Nipple: N 016

Thread G1: M5-M

Overall length: 16 mm

Fitting length: 5 mm

Nominal size: 2,50 mm

Material: Aluminium

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#### **FGA 16 NBR-55 N016**

Part no.10.01.06.00096

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

Size: 16

Suction cup material:

Nitrile rubber NBR

Material hardness: 55 °Sh

Number of folds: 1.5

## Accessories



#### **SPI 17 PEEK**

Part no.10.01.06.03283

Suction cup insert for handling of sensitive workpieces without leaving marks

Size: 17

Material: Polyetheretherketon