

# Bellows suction cup (round)

<https://www.schmalz.com/10.01.06.00691>



## FSGA 63 NBR-55 G1/4-IG

Part no.: 10.01.06.00691

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



Size: 63  
Number of folds: 1.5  
Suction cup material:  
Nitrile rubber NBR  
Material hardness: 55 °Sh  
Nipple material: Aluminium  
Vacuum connection: G1/4-F

#### Design Data



| Attribute | Value |
|-----------|-------|
|-----------|-------|

|    |         |
|----|---------|
| d2 | 44.5 mm |
|----|---------|

|         |       |
|---------|-------|
| Dmax(S) | 68 mm |
|---------|-------|

|    |        |
|----|--------|
| dn | 4.4 mm |
|----|--------|

|    |       |
|----|-------|
| Ds | 60 mm |
|----|-------|

|    |         |
|----|---------|
| G1 | G1/4"-F |
|----|---------|

|   |       |
|---|-------|
| H | 49 mm |
|---|-------|

|     |       |
|-----|-------|
| LG1 | 12 mm |
|-----|-------|

|     |       |
|-----|-------|
| SW1 | 17 mm |
|-----|-------|

|   |       |
|---|-------|
| Z | 14 mm |
|---|-------|

#### Contact to Schmalz

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## Technical Data

| Attribute                       | Value                  |
|---------------------------------|------------------------|
| Number of folds                 | 1.5                    |
| Pull-off force                  | 135 N                  |
| Size                            | 63                     |
| Weight                          | 34 g                   |
| Nipple                          | N 018                  |
| Suction cup material            | Nitrile rubber NBR     |
| Suction force                   | 85 N                   |
| Internal hose diameter (recom.) | 6 mm                   |
| Volume                          | 43.829 cm <sup>3</sup> |
| Material hardness               | 55 °Sh                 |
| Curve radius (min) (convex)     | 75 mm                  |
| 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

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## Spare Parts

### Contact to Schmalz



**SA-NIP N018 G1/4-IG DN440**

Part no. 10.01.06.01066

Suction cup connection nipple

Nipple: N 018

Thread G1: G1/4-F

Overall length: 28.8 mm

Fitting length: 15 mm

Nominal size: 4,40 mm

Material: Aluminium

Spanner size SW2: 5 mm



**FGA 63 NBR-55 N018**

Part no. 10.01.06.00688

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

Size: 63

Suction cup material:

Nitrile rubber NBR

Material hardness: 55 °Sh

Number of folds: 1.5