

## Bell suction cup (round)

### FSGA 16 HT1-60 G1/8-AG

Part no.:10.01.06.01228

<https://www.schmalz.com/10.01.06.01228>



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

Suction Cups FSGA (1.5 Folds) > FSGA 16 HT1-60 G1/8-AG

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



Size: 16

Number of folds: 1.5

Suction cup material:

High temp material HT1

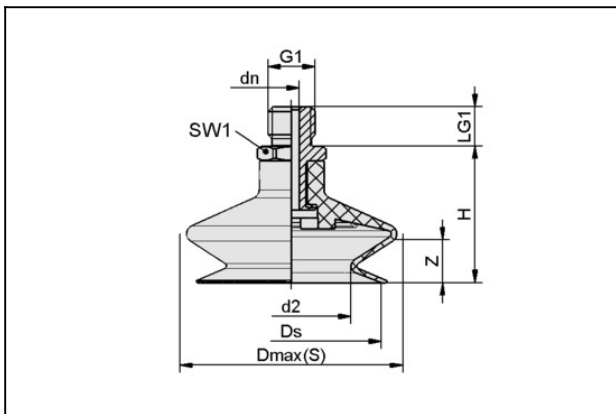
Material hardness: 60 °Sh

Material property: imprint-free

Nipple material: Aluminium

Vacuum connection: G1/8"-M

## Design Data



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

|    |        |
|----|--------|
| d2 | 8.4 mm |
|----|--------|

|         |         |
|---------|---------|
| Dmax(S) | 18.5 mm |
|---------|---------|

|    |        |
|----|--------|
| dn | 3.5 mm |
|----|--------|

|    |         |
|----|---------|
| Ds | 15.6 mm |
|----|---------|

|    |          |
|----|----------|
| G1 | G1/8"-AG |
|----|----------|

|   |         |
|---|---------|
| H | 25.2 mm |
|---|---------|

|     |        |
|-----|--------|
| LG1 | 7.5 mm |
|-----|--------|

|     |       |
|-----|-------|
| SW1 | 14 mm |
|-----|-------|

|            |      |
|------------|------|
| Z (Stroke) | 7 mm |
|------------|------|

## Technical Data

[Contact to Schmalz](#)

Schmalz Sp.z.o.o. | Kobaltowa 4, 62-002 Złotniki, Polen | +48 22 460 49 70 | [schmalz@schmalz.pl](mailto:schmalz@schmalz.pl)

Page 1 of 3

## Bell suction cup (round)

### FSGA 16 HT1-60 G1/8-AG

Part no.:10.01.06.01228

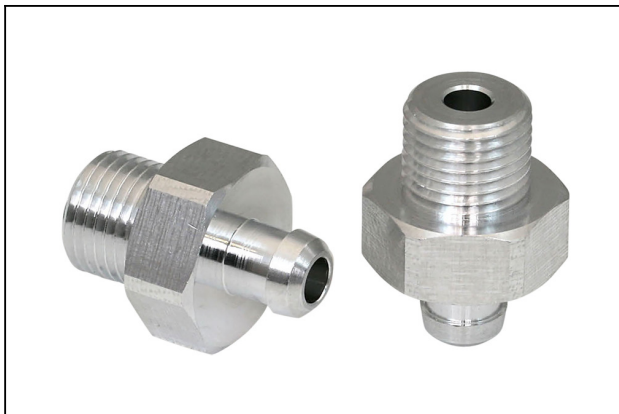
<https://www.schmalz.com/10.01.06.01228>



| Attribute                   | Value                  |
|-----------------------------|------------------------|
| Suction cup material        | High temp material HT1 |
| Material hardness [Shore A] | 60 Shore A             |
| Size                        | 16                     |
| Number of folds             | 1.5                    |
| Connection                  | G1/8-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     | 4 mm                   |
| Weight                      | 5 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 G1/8-AG DN350

Part no.10.01.06.05735

Suction cup connection nipple

Nipple: N 016

Thread G1: G1/8"-M

Overall length: 20 mm

Fitting length: 6 mm

Nominal size: 3,50 mm

Material: Aluminium

## Bell suction cup (round)

FSGA 16 HT1-60 G1/8-AG

Part no.:10.01.06.01228

<https://www.schmalz.com/10.01.06.01228>



### FGA 16 HT1-60 N016

Part no.10.01.06.01248

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

Size: 16

Suction cup material:

High temp material HT1

Material hardness: 60 °Sh

Number of folds: 1.5

Material property: imprint-free

## 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