

## Bell suction cup (round)

### FSG 42 HT1-60 G1/4-AG

Part no.:10.01.06.00974

<https://www.schmalz.com/10.01.06.00974>



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



Size: 42

Suction cup material:

High temp material HT1

Material hardness: 60 °Sh

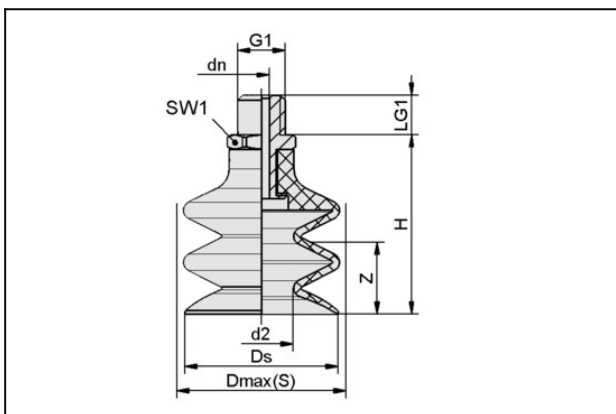
Material property: imprint-free

Nipple material: Aluminium

Vacuum connection: G1/4"-M

Number of folds: 2.5

## Design Data



### Attribute

### Value

d2 17.8 mm

dn 4.4 mm

Dmax(S) 45 mm

Ds 42.6 mm

G1 G1/4"-AG

H 50 mm

LG1 11 mm

SW1 17 mm

Z (Stroke) 20 mm

## Technical Data

[Contact to Schmalz](#)

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| Attribute                   | Value                  |
|-----------------------------|------------------------|
| Suction cup material        | High temp material HT1 |
| Material hardness [Shore A] | 60 Shore A             |
| Size                        | 42                     |
| Number of folds             | 2.5                    |
| Connection                  | G1/4-AG                |
| Curve radius (min) (convex) | 75 mm                  |
| Volume                      | 19.786 cm <sup>3</sup> |
| Suction force (-600mbar)    | 14.93 N                |
| Pull-off force              | 44 N                   |
| Hose diameter (empf.) d     | 6 mm                   |
| Weight                      | 27 g                   |
| Product family              | FSG                    |

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 N018 G1/4-AG DN440

Part no.10.01.06.01065

Suction cup connection nipple

Nipple: N 018

Thread G1: G1/4"-M

Overall length: 28.8 mm

Fitting length: 4 mm

Nominal size: 4,40 mm

Material: Aluminium

Spanner size SW2: 5 mm

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### FG 42 HT1-60 N018

Part no.10.01.06.00885

Bellows suction cup (round) for very uneven workpieces

Size: 42

Suction cup material:

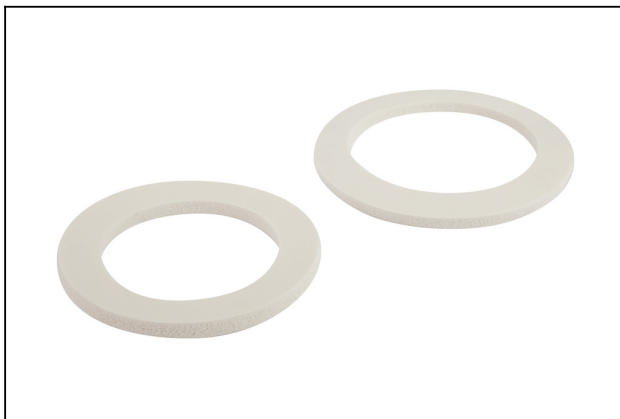
High temp material HT1

Material hardness: 60 °Sh

Number of folds: 2.5

Material property: imprint-free

## Accessories



### DR 42/20x5 MOS SI-15

Part no.10.01.06.02616

Gasket made from special foam for optimal sealing of structured surfaces

External diameter D: 42 mm

Internal diameter d: 20 mm

Height H: 5 mm

Material-Type: Foam rubber

Sealing material: Silicone SI

Material hardness: 15 °Sh



### FD 34 120

Part no.10.01.06.02572

Filter disc

External diameter D: 34 mm

Filter pore size: 120 µm

for: Bellows suction pad

Size: FG 42

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### **SU 40**

Part no.10.01.01.12856

Cover for suction cup

Size: 40

Clamping range: 35.0 ... 45.0 mm

Temperature resistance: 80 °C