

## Bellows suction cups (round)

FSGA 85 VU1-72 G1/4-AG ON

Part no.:10.01.06.00199

<https://www.schmalz.com/10.01.06.00199>

Home > Vacuum Technology for Automation > Vacuum Components > Vacuum Suction Cups > Suction Cups for Handling Sheet Metal > Bellows Suction Cups FSGA VU1 (1.5 Folds) > FSGA 85 VU1-72 G1/4-AG ON

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



Size: 85

Suction cup material: Vulkollan VU1

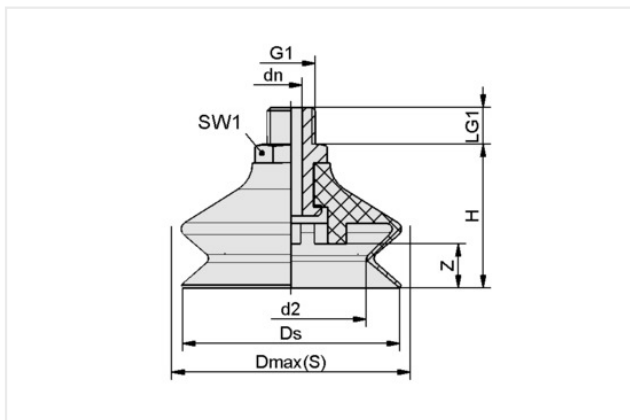
Material hardness [Shore A]: 72 Shore A

Nipple material: Aluminum

Connection: G1/4"-M

Number of folds: 1.5

### Design Data



| Attribute  | Value    |
|------------|----------|
| d2         | 50.20 mm |
| dn         | 6 mm     |
| Dmax(S)    | 86.50 mm |
| Ds         | 82.50 mm |
| G1         | G1/4"-M  |
| H          | 52 mm    |
| LG1        | 10 mm    |
| SW1        | 22 mm    |
| Z (Stroke) | 15 mm    |

Note: Acceptable dimensional tolerances for elastomer parts concerning to DIN ISO 3302-1 M3

### Technical Data

| Attribute                   | Value              |
|-----------------------------|--------------------|
| Suction force (-600mbar)    | 140 N              |
| Pull-off force              | 250 N              |
| Volume                      | 78 cm <sup>3</sup> |
| Curve radius (min) (convex) | 80 mm              |
| Hose diameter (rec.) d      | 6 mm               |
| Size                        | 85                 |
| Nipple family               | N 015              |

### Contact Schmalz

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|                             |               |
|-----------------------------|---------------|
| Suction cup material        | Vulkollan VU1 |
| Material hardness [Shore A] | 72 Shore A    |
| Weight                      | 108.90 g      |
| Product family              | FSGA          |
| Number of folds             | 1.50          |

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 Hose diameter: The recommended hose diameter refers to a hose length of approx. 2 m

### Spare parts



#### SA-NIP N015 G1/4-AG DN600

Part no.:10.01.06.00185

Thread G1: G1/4"-M

Fitting length: 5 mm

Material: Aluminum

External diameter D: 18 mm

Spanner size SW2: 6 mm



#### FGA 85 VU1-72 N015 ON

Part no.:10.01.06.00190

Size: 85

Suction cup material: Vulkollan VU1

Material hardness [Shore A]: 72 Shore A

Number of folds: 1.5

### Contact Schmalz

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