

## Suction plate (round)

SGF-HS 250 EPDM-55 G1/2-IG

Part no...:10.01.01.13038

<https://www.schmalz.com/10.01.01.13038>

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### Flat suction cup (round) for highly dynamic handling of glass



Size: 250

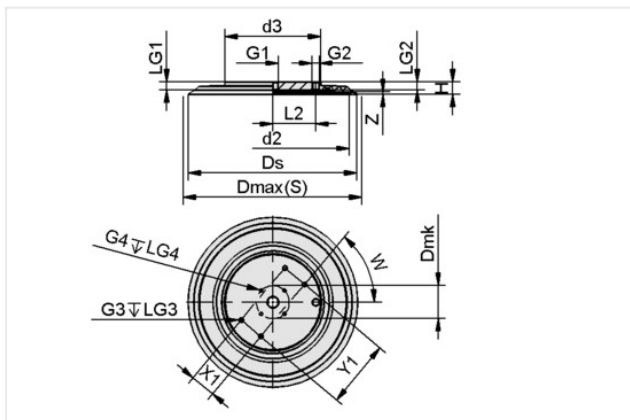
Suction cup material: EPDM

Material hardness [Shore A]: 55 Shore A

Connection: G1/2-IG

Connection: G1/2"-F

### Design Data



| Attribute  | Value    |
|------------|----------|
| d2         | 217 mm   |
| d3         | 140 mm   |
| Dmax(S)    | 260 mm   |
| Ds         | 248 mm   |
| G1         | G1/2"-F  |
| G2         | G1/4"-F  |
| G3         | M8-F     |
| H          | 26.80 mm |
| L2         | 52.50 mm |
| LG1        | 14.50 mm |
| LG2        | 14.50 mm |
| LG3        | 12 mm    |
| W          | 70 °     |
| X1         | 45 mm    |
| Y1         | 100 mm   |
| Z (Stroke) | 9 mm     |
| Dmk        | 58.30 mm |
| G4         | M6-F     |
| LG4        | 10.50 mm |

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

### Contact Schmalz

J. Schmalz GmbH | Johannes-Schmalz-Str.1, 72293 Glatten, Germany | +49 7443 2403-102 | [customercenter@schmalz.de](mailto:customercenter@schmalz.de)

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### Technical Data

| Attribute                   | Value               |
|-----------------------------|---------------------|
| Suction force (-600mbar)    | 2900 N              |
| Suction force d2            | 2220 N              |
| Volume                      | 372 cm <sup>3</sup> |
| Curve radius (min) (convex) | 1600 mm             |
| Hose diameter (rec.) d      | 12 mm               |
| Size                        | 250                 |
| Number of folds             | 0                   |
| Suction cup material        | EPDM                |
| Material hardness [Shore A] | 55 Shore A          |
| Weight                      | 950 g               |
| Product family              | SGF                 |

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

### Accessories



**SIEB 27x1 MS-A2 100 100/65**

Part no.:10.07.01.00110

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### TV G1/4-AG 13

Part no...:10.05.10.00061

Thread G1: G1/4"-M

Thread G2: G1/8"-F

Spring stroke Z: 13 mm



### PC 250

Part no...:10.01.01.13090

Size: 250



### SU 280

Part no...:10.01.01.12485

Size: 280

Clamping range: 270.0 ... 300.0 mm

Temperature resistance: 80 °C

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### FLK-HD G3/8-AG

Part no...:10.07.06.00235

Thread G1: G3/8"-M

Thread G2: M6-M

Operating temperature: -5 ... 130 °C



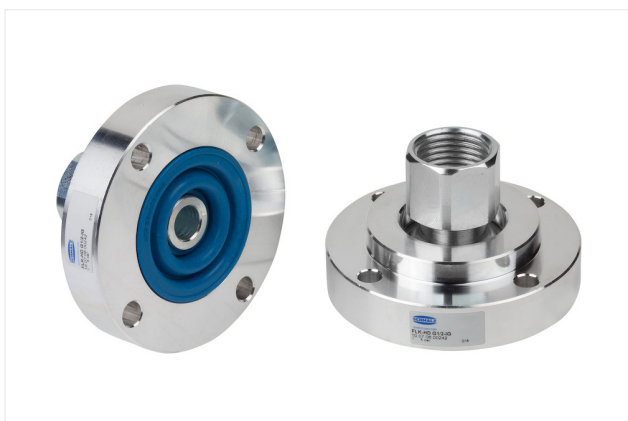
### FLK-HD G1/4-IG

Part no...:10.07.06.00241

Thread G1: G1/4"-F

Thread G2: M6-M

Operating temperature: -5 ... 130 °C



### FLK-HD G1/2-IG

Part no...:10.07.06.00242

Thread G1: G1/2"-F

Thread G2: M6-M

Operating temperature: -5 ... 130 °C

## Spare parts

### Contact Schmalz

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### VRS-S G1/4-AG

Part no...:10.08.06.00048

Thread G1: G1/4"-M

Material: Brass

Surface: nickel plated