# Suction plate (round)

SGF-HS 250 HT1-60 G1/2-IG

Part no..:10.01.01.13153

https://www.schmalz.com/10.01.01.13153

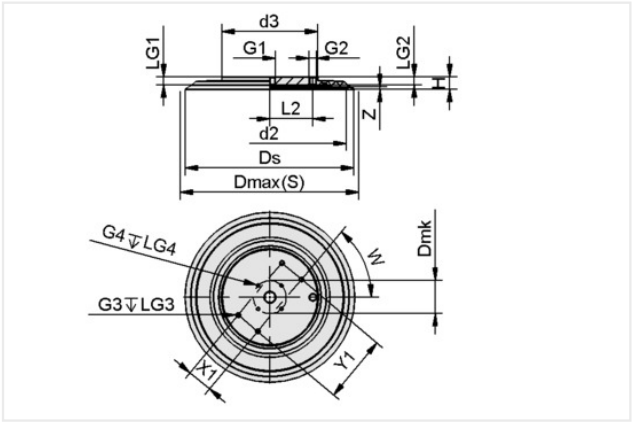
Home > Vacuum Technology for Automation > Vacuum Components > Vacuum Suction Cups > Suction Cups for Handling Glass > Suction Plates SGF > SGF-HS 250 HT1-60 G1/2-IG

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



| |
|---|
| Size: 250 |
| Suction cup material: High temperature material HT1 |
| Material hardness [Shore A]: 60 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

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## Technical Data

| Attribute | Value |
|---|---|
| Suction force (-600mbar) | 2900 N |
| Suction force d2 | 2220 N |
| Volume | 372 cm³ |
| Curve radius (min) (convex) | 1600 mm |
| Hose diameter (rec.) d | 12 mm |
| Size | 250 |
| Number of folds | 0 |
| Suction cup material | High temperature material HT1 |
| Material hardness [Shore A] | 60 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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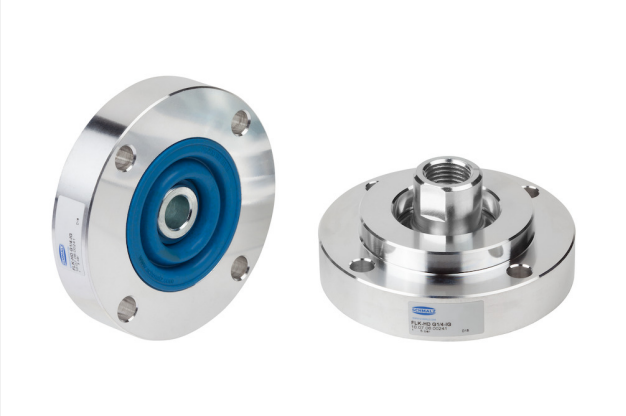
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**FLK-HD G1/2-IG**

Part no..:10.07.06.00242

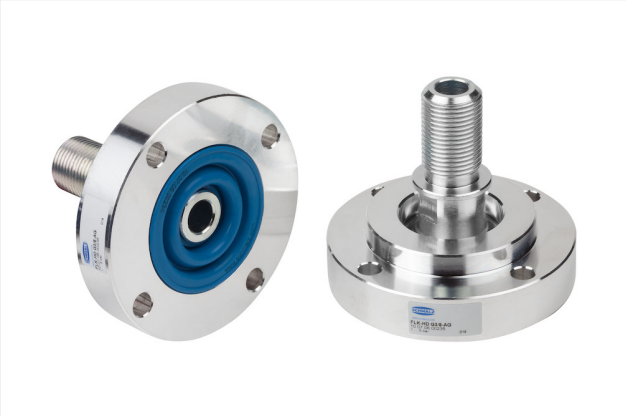
| |
|---|
| Thread G1: G1/2"-F |
| Thread G2: M6-M |
| Operating temperature: -5 ... 130 °C |



**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 G3/8-AG**

Part no..:10.07.06.00235

| |
|---|
| Thread G1: G3/8"-M |
| Thread G2: M6-M |
| Operating temperature: -5 ... 130 °C |

## Spare parts

# Suction plate (round)

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Part no..:10.01.01.13153

https://www.schmalz.com/10.01.01.13153



**VRS-S G1/4-AG**

Part no..:10.08.06.00048

| |
|---|
| Thread G1: G1/4"-M |
| Material: Brass |
| Surface: nickel plated |