

Bellows suction cups (round)  
**FSG 5 HT1-60 M5-IG**



Art.-Nr.: 10.01.06.01242



**Technical data**

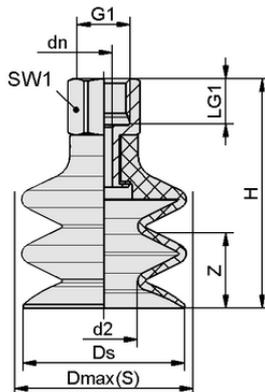
|                             |                               |
|-----------------------------|-------------------------------|
| Suction cup material        | High temperature material HT1 |
| Material hardness [Shore A] | 60.0 Shore A                  |
| Size                        | 5.00                          |
| Number of folds             | 2.5                           |
| Connection                  | M5-F                          |
| Vacuum connection           | M5-F                          |
| Nipple material             | Aluminum                      |

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Suction cup FSG (elastomer part + connection nipple) is delivered unassembled (assembled from a diameter of 32 mm). The delivery consists of:

- Suction cup of type FG – elastomer part, available in various diameters and materials
- Connection nipple of type SA-NIP – available with various threads

Available spare parts: suction cup FG, connection nipple SA-NIP



**Design data**

|                     |          |
|---------------------|----------|
| Height H            | 24.00 mm |
| Nominal diameter dn | 2.00 mm  |
| d2                  | 2.6 mm   |
| Thread G1           | M5-F     |
| Thread length LG1   | 5.5 mm   |
| Key width SW1       | 8.0 mm   |
| Spring stroke Z     | 2.0 mm   |
| Diameter Ds         | 5.0 mm   |
| Diameter Dmax(S)    | 7.0 mm   |

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

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**Technical data**

|                                |                               |
|--------------------------------|-------------------------------|
| Suction cup material           | High temperature material HT1 |
| Material hardness [Shore A]    | 60.0 Shore A                  |
| Hose inner diameter (recom.) d | 2.0 mm                        |
| Workpiece radius min. (convex) | 7.5 mm                        |
| Pull-off force                 | 0.80 N                        |
| Suction force (-600mbar)       | 0.32 N                        |
| Weight                         | 1.70 g                        |
| Volume                         | 0.033 cm <sup>3</sup>         |
| Size                           | 5.00                          |
| Number of folds                | 2.5                           |
| Product family                 | FSG                           |
| Connection                     | M5-IG                         |

Note: Suction force: The specified suction forces are theoretical values at a vacuum of -0.6 bar and with a dry, smooth and even 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



**Ordering Data Accessories 10.01.06.01242**

| Typ                                  | Item number    |
|--------------------------------------|----------------|
| Schmalz Pad Insert PEEK   SPI 6 PEEK | 10.01.06.03279 |



**Ordering Data Spare Parts 10.01.06.01242**

| Typ   | Item number    |
|---|----------------|
| Suction cup connection nipple   SA-NIP N017 M5-IG DN200 | 10.01.06.00313 |



**Ordering Data Wear Parts 10.01.06.01242**

| Typ  | Item number    |
|--|----------------|
| Bellows suction cup (round)   FG 5 HT1-60 N017 | 10.01.06.01250 |



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