

Art.-Nr.: 10.01.06.01234

**Technical data**

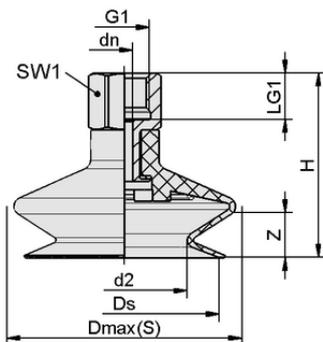
|                             |                               |
|-----------------------------|-------------------------------|
| Suction cup material        | High temperature material HT1 |
| Material hardness [Shore A] | 60.0 Shore A                  |
| Size                        | 22.00                         |
| Number of folds             | 1.5                           |
| Connection                  | G1/8"-F                       |
| Vacuum connection           | G1/8"-F                       |
| Nipple material             | Aluminum                      |

FSGA 22 HT1-60 G1/8-IG

Suction cup FSGA (elastomer part + connection nipple) is delivered unassembled (diameters of 33 mm and more are assembled). The delivery consists of:

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

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

**Design data**

|                     |          |
|---------------------|----------|
| Height H            | 31.00 mm |
| Nominal diameter dn | 3.50 mm  |
| d2                  | 11.7 mm  |
| Thread G1           | G1/8"-F  |
| Thread length LG1   | 8.0 mm   |
| Key width SW1       | 14.0 mm  |
| Spring stroke Z     | 6.0 mm   |
| Diameter Ds         | 21.5 mm  |
| Diameter Dmax(S)    | 25.0 mm  |

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

Design data FSGA 22 HT1-60 G1/8-IG



Art.-Nr.: 10.01.06.01234

**Technical data**

|                                |                               |
|--------------------------------|-------------------------------|
| Suction cup material           | High temperature material HT1 |
| Material hardness [Shore A]    | 60.0 Shore A                  |
| Hose inner diameter (recom.) d | 4.0 mm                        |
| Workpiece radius min. (convex) | 25.0 mm                       |
| Pull-off force                 | 15.20 N                       |
| Suction force (-600mbar)       | 5.70 N                        |
| Weight                         | 6.20 g                        |
| Volume                         | 1.400 cm <sup>3</sup>         |
| Size                           | 22.00                         |
| Number of folds                | 1.5                           |
| Product family                 | FSGA                          |
| Connection                     | G1/8-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 10.01.06.01234**

| Typ                     |             | Item number    |
|-------------------------|-------------|----------------|
| Schmalz Pad Insert PEEK | SPI 21 PEEK | 10.01.06.03285 |

**Ordering Data Spare Parts 10.01.06.01234**

| Typ                           |                           | Item number    |
|-------------------------------|---------------------------|----------------|
| Suction cup connection nipple | SA-NIP N016 G1/8-IG DN350 | 10.01.06.05731 |

**Ordering Data Wear Parts 10.01.06.01234**

| Typ                         |                    | Item number    |
|-----------------------------|--------------------|----------------|
| Bellows suction cup (round) | FGA 22 HT1-60 N016 | 10.01.06.01249 |

