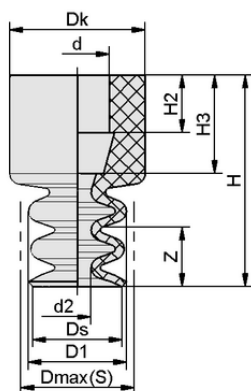




FG 3 HT1-60 N055

## Technical data

| Attribute                   | Value                         |
|-----------------------------|-------------------------------|
| Suction cup material        | High temperature material HT1 |
| Material hardness [Shore A] | 60.0 Shore A                  |
| Size                        | 3.00                          |
| Number of folds             | 2.5                           |



Design data FG 3 HT1-60 N055

## Design data

| Attribute            | Value   |
|----------------------|---------|
| Height H2            | 2.10 mm |
| Height H             | 6.70 mm |
| Outside diameter D1  | 3.6 mm  |
| Head diameter Dk     | 3.6 mm  |
| Internal diameter d1 | 2.3 mm  |
| d2                   | 1.8 mm  |
| Internal diameter d  | 1.70 mm |
| Spring stroke Z      | 1.1 mm  |
| Diameter Ds          | 3.0 mm  |
| Height H3            | 2.70 mm |

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

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**Technical data**

| Attribute                      | Value                         |
|--------------------------------|-------------------------------|
| Nipple family                  | N 055                         |
| 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) | 4.0 mm                        |
| Pull-off force                 | 0.40 N                        |
| Suction force (-600mbar)       | 0.15 N                        |
| Volume                         | 0.022 cm <sup>3</sup>         |
| Size                           | 3.00                          |
| Number of folds                | 2.5                           |
| Product family                 | FG                            |

Note: Suction force: The suction force values are theoretical values at -0.6 bar vacuum and a dry, smooth and even workpiece surface – they are specified without safety factors. Hose inner diameter: The recommended hose diameter refers to a hose length of approx. 2 m

**Further documentation**

CAD data and other documents relating to the article can be found at: [www.schmalz.com/10.01.06.03639](http://www.schmalz.com/10.01.06.03639)

