

Bellows suction cup SI-HD (round)

# FGA 16 SI-HD-65 N016



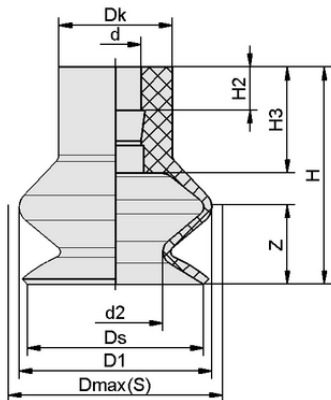
Art.-Nr.: 10.01.06.02459



FGA 16 SI-HD-65 N016

## Technical data

| Attribute                   | Value          |
|-----------------------------|----------------|
| Suction cup material        | Silicone SI-HD |
| Material hardness [Shore A] | 65.0 Shore A   |
| Size                        | 16.00          |
| Number of folds             | 1.5            |
| Material characteristics    | FDA-compatible |



Design data FGA 16 SI-HD-65 N016

## Design data

| Attribute           | Value    |
|---------------------|----------|
| Height H2           | 3.80 mm  |
| Height H            | 19.20 mm |
| Outside diameter D1 | 17.0 mm  |
| Head diameter Dk    | 10.0 mm  |
| d2                  | 8.4 mm   |
| Internal diameter d | 4.50 mm  |
| Spring stroke Z     | 6.7 mm   |
| Diameter Ds         | 15.6 mm  |
| Height H3           | 9.40 mm  |
| Diameter Dmax(S)    | 18.5 mm  |

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



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### Technical data

| Attribute                      | Value          |
|--------------------------------|----------------|
| Suction cup material           | Silicone SI-HD |
| Workpiece radius min. (convex) | 7.0 mm         |
| Suction force (-600mbar)       | 2.30 N         |
| Weight                         | 1.2 g          |
| Size                           | 16.00          |
| Number of folds                | 1.5            |
| Product family                 | FGA            |

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/10.01.06.02459](http://www.schmalz.com/10.01.06.02459)



### Ordering Data Accessories 10.01.06.02459

| Typ                           |                           | Item number    |
|-------------------------------|---------------------------|----------------|
| Suction cup connection nipple | SA-NIP N016 G1/8-AG DN350 | 10.01.06.05735 |
| Suction cup connection nipple | SA-NIP N016 G1/8-IG DN350 | 10.01.06.05731 |
| Suction cup connection nipple | SA-NIP N016 M5-AG DN250   | 10.01.06.00123 |
| Suction cup connection nipple | SA-NIP N016 G1/8-AG DN310 | 10.01.06.04062 |
| Suction cup connection nipple | SA-NIP N016 M5-AG DN250   | 10.01.06.04365 |
| Suction cup connection nipple | SA-NIP N016 M5-IG DN310   | 10.01.06.04689 |
| Suction cup connection nipple | SA-NIP N016 G1/8-IG DN310 | 10.01.06.04690 |



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