

Bellows suction cups (round)
FSG 52 SI-55 G1/4-IG



Art.-Nr.: 10.01.06.00587



Technical data

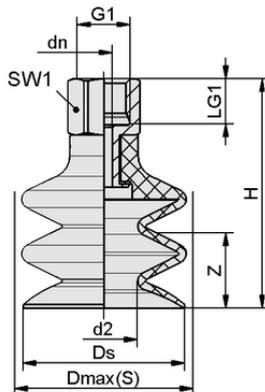
| | |
|-----------------------------|----------------|
| Suction cup material | Silicone SI |
| Material hardness [Shore A] | 55.0 Shore A |
| Size | 52.00 |
| Number of folds | 2.5 |
| Connection | G1/4"-F |
| Vacuum connection | G1/4"-F |
| Nipple material | Aluminum |
| Material characteristics | FDA-compatible |

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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 | 63.70 mm |
| Nominal diameter dn | 4.40 mm |
| d2 | 24.6 mm |
| Thread G1 | G1/4"-F |
| Thread length LG1 | 12.0 mm |
| Key width SW1 | 17.0 mm |
| Spring stroke Z | 25.0 mm |
| Diameter Ds | 52.5 mm |
| Diameter Dmax(S) | 55.0 mm |

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

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| | |
|--------------------------------|------------------------|
| Suction cup material | Silicone SI |
| Material hardness [Shore A] | 55.0 Shore A |
| Hose inner diameter (recom.) d | 6.0 mm |
| Workpiece radius min. (convex) | 75.0 mm |
| Pull-off force | 96.00 N |
| Suction force (-600mbar) | 28.52 N |
| Weight | 32.00 g |
| Volume | 35.000 cm ³ |
| Size | 52.00 |
| Number of folds | 2.5 |
| Product family | FSG |
| Connection | G1/4-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 10.01.06.00587

| Typ | | Item number |
|-------------------|----------------------|----------------|
| Sealing ring | DR 52/33x5 MOS SI-15 | 10.01.06.02548 |
| Filter disc | FD 44 120 | 10.01.06.02573 |
| Suction cup cover | SU 50 | 10.01.01.12837 |



Ordering Data Spare Parts 10.01.06.00587

| Typ | | Item number |
|-------------------------------|---------------------------|----------------|
| Suction cup connection nipple | SA-NIP N018 G1/4-IG DN440 | 10.01.06.01066 |



Ordering Data Wear Parts 10.01.06.00587

| Typ | | Item number |
|-----------------------------|------------------|----------------|
| Bellows suction cup (round) | FG 52 SI-55 N018 | 10.01.06.00585 |



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