

Bellows suction cups (round)

# FSG 62 NBR-55 G1/4-AG



Art.-Nr.: 10.01.06.00032



## Technical data

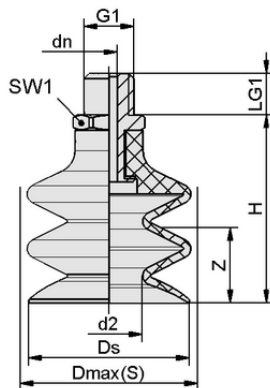
| Attribute                   | Value              |
|-----------------------------|--------------------|
| Suction cup material        | Nitrile rubber NBR |
| Material hardness [Shore A] | 55.0 Shore A       |
| Size                        | 62.00              |
| Number of folds             | 2.5                |
| Connection                  | G1/4"-M            |
| Vacuum connection           | G1/4"-M            |
| 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

| Attribute           | Value    |
|---------------------|----------|
| Height H            | 58.00 mm |
| Nominal diameter dn | 4.40 mm  |
| d2                  | 29.5 mm  |
| Thread G1           | G1/4"-M  |
| Thread length LG1   | 11.0 mm  |
| Key width SW1       | 17.0 mm  |
| Spring stroke Z     | 29.0 mm  |
| Diameter Ds         | 62.2 mm  |
| Diameter Dmax(S)    | 65.0 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           | Nitrile rubber NBR     |
| 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                 | 137.00 N               |
| Suction force (-600mbar)       | 41.01 N                |
| Weight                         | 60.00 g                |
| Volume                         | 72.500 cm <sup>3</sup> |
| Size                           | 62.00                  |
| Number of folds                | 2.5                    |
| Product family                 | FSG                    |
| Connection                     | G1/4-AG                |

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



## Further documentation

CAD data and other documents relating to the article can be found at: [www.schmalz.com/10.01.06.00032](http://www.schmalz.com/10.01.06.00032)



## Ordering Data Accessories 10.01.06.00032

| Typ               |                      | Item number    |
|-------------------|----------------------|----------------|
| Sealing ring      | DR 62/42x5 MOS SI-15 | 10.01.06.02617 |
| Suction cup cover | SU 70                | 10.01.01.12838 |



## Ordering Data Spare Parts 10.01.06.00032

| Typ                            |                           | Item number    |
|--------------------------------|---------------------------|----------------|
| Suction Cup Connection Nipples | SA-NIP N018 G1/4-AG DN440 | 10.01.06.01065 |



## Ordering Data Wear Parts 10.01.06.00032

| Typ                         |                   | Item number    |
|-----------------------------|-------------------|----------------|
| Bellows suction cup (round) | FG 62 NBR-55 N018 | 10.01.06.00142 |



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