

## Bellows suction cups (round)

FSGA 6 NBR-55 M5-AG

Part no.:10.01.06.02994

<https://www.schmalz.com/10.01.06.02994>

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### Bellows suction cup (round) with optimal adaptation to uneven surfaces



Size: 6

Suction cup material: Nitrile rubber NBR

Material hardness [Shore A]: 55 Shore A

Nipple material: Aluminum

Connection: M5-M

Number of folds: 1.5

Vacuum connection: M5-M

### Design Data



| Attribute  | Value   |
|------------|---------|
| d2         | 3 mm    |
| Dmax(S)    | 8 mm    |
| dn         | 2 mm    |
| Ds         | 5.70 mm |
| G1         | M5-M    |
| H          | 14 mm   |
| LG1        | 4.50 mm |
| SW1        | 8 mm    |
| Z (Stroke) | 2 mm    |

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

### Technical Data

| Attribute                   | Value                |
|-----------------------------|----------------------|
| Suction cup material        | Nitrile rubber NBR   |
| Material hardness [Shore A] | 55 Shore A           |
| Size                        | 6                    |
| Number of folds             | 1.50                 |
| Connection                  | M5-AG                |
| Curve radius (min) (convex) | 4 mm                 |
| Volume                      | 0.11 cm <sup>3</sup> |

### Contact Schmalz

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|                          |        |
|--------------------------|--------|
| Suction force (-600mbar) | 0.40 N |
| Pull-off force           | 1.40 N |
| Hose diameter (rec.) d   | 4 mm   |
| Weight                   | 1.50 g |
| Product family           | FSGA   |

Note: Suction force: The specified suction forces are theoretical values at a vacuum of -0.6 bar and with a dry, smooth and flat 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

### Spare parts



#### SA-NIP N004 M5-AG DN200

Part no.:10.01.01.03526

|                      |
|----------------------|
| Thread G1: M5-M      |
| Length L1: 13.5 mm   |
| Fitting length: 5 mm |
| Material: Aluminum   |



#### FGA 6 NBR-55 N004

Part no.:10.01.06.02981

|                                          |
|------------------------------------------|
| Size: 6                                  |
| Suction cup material: Nitrile rubber NBR |
| Material hardness [Shore A]: 55 Shore A  |
| Number of folds: 1.5                     |

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