

## Bellows suction cups (round)

FSGA 78 NBR-55 G1/4-AG

Part no.:10.01.06.00084

<https://www.schmalz.com/10.01.06.00084>

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



Size: 78

Suction cup material: Nitrile rubber NBR

Material hardness [Shore A]: 55 Shore A

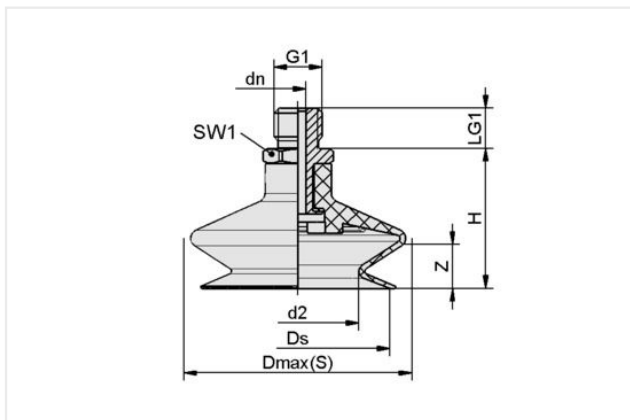
Nipple material: Aluminum

Connection: G1/4"-M

Number of folds: 1.5

Vacuum connection: G1/4"-M

### Design Data



| Attribute  | Value    |
|------------|----------|
| d2         | 54 mm    |
| Dmax(S)    | 84.50 mm |
| dn         | 8.20 mm  |
| Ds         | 74 mm    |
| G1         | G1/4"-M  |
| H          | 53 mm    |
| LG1        | 11 mm    |
| SW1        | 21 mm    |
| Z (Stroke) | 16 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                        | 78                    |
| Number of folds             | 1.50                  |
| Connection                  | G1/4-AG               |
| Curve radius (min) (convex) | 100 mm                |
| Volume                      | 75.58 cm <sup>3</sup> |

### Contact Schmalz

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|                          |          |
|--------------------------|----------|
| Suction force (-600mbar) | 137.40 N |
| Pull-off force           | 218 N    |
| Hose diameter (empf.) d  | 6 mm     |
| Weight                   | 71 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 N019 G1/4-AG DN820

Part no.:10.01.06.01959

Nipple family: N 019

Thread G1: G1/4"-M

Length L1: 40 mm

Fitting length: 6 mm

Nominal diameter dn: 8.2 mm

Spanner size SW2: 8 mm

Material: Aluminum



#### FGA 78 NBR-55 N019

Part no.:10.01.06.00133

Size: 78

Suction cup material: Nitrile rubber NBR

Material hardness [Shore A]: 55 Shore A

Number of folds: 1.5