

## Bellows suction cups (round)

FSGPL 120 NBR-55 G1/2-IG

Part no.:10.01.06.02933

<https://www.schmalz.com/10.01.06.02933>

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### Bellows suction cup (round) for large, heavy and uneven workpieces



Size: 120

Suction cup material: Nitrile rubber NBR

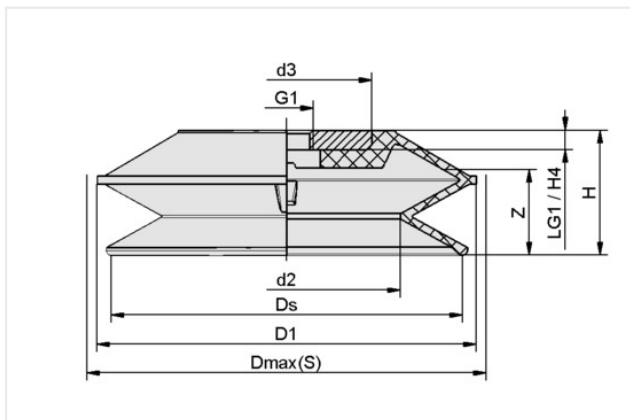
Material hardness [Shore A]: 55 Shore A

Nipple material: Steel

Vacuum connection: G1/2"-F

Number of folds: 1.5

### Design Data



| Attribute  | Value     |
|------------|-----------|
| d2         | 79.30 mm  |
| d3         | 69.40 mm  |
| D1         | 127.80 mm |
| Dmax(S)    | 135 mm    |
| Ds         | 118.20 mm |
| G1         | G1/2"-F   |
| H          | 51 mm     |
| H4         | 8 mm      |
| LG1        | 8 mm      |
| Z (Stroke) | 35.70 mm  |

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

### Technical Data

| Attribute                   | Value                  |
|-----------------------------|------------------------|
| Suction force (-600mbar)    | 280 N                  |
| Pull-off force              | 400 N                  |
| Volume                      | 295.20 cm <sup>3</sup> |
| Curve radius (min) (convex) | 150 mm                 |
| Hose diameter (rec.) d      | 12 mm                  |
| Size                        | 120                    |
| Suction cup material        | Nitrile rubber NBR     |

### Contact Schmalz

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|                             |            |
|-----------------------------|------------|
| Material hardness [Shore A] | 55 Shore A |
| Weight                      | 351 g      |
| Number of folds             | 1.50       |
| Product family              | FSGPL      |

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 Hose diameter: The recommended hose diameter refers to a hose length of approx. 2 m