

Flat suction cup (round)

SAF 50 NBR-45 G1/4-IG

Part no.:10.01.01.11441

<https://www.schmalz.com/10.01.01.11441>

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Flat suction cup (round) for very dynamic handling of smooth and oily workpieces



Size: 50

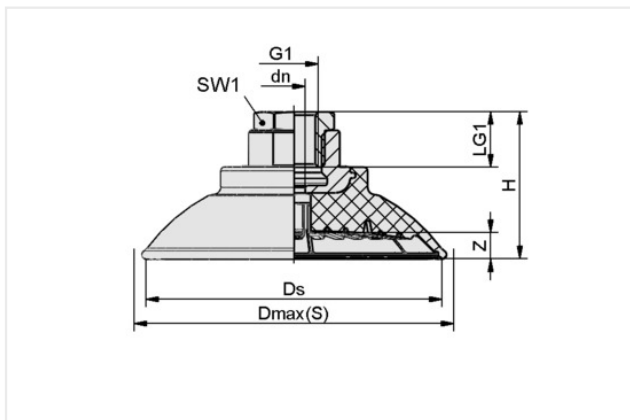
Suction cup material: Nitrile rubber NBR

Material hardness [Shore A]: 45 Shore A

Nipple material: Nickel plated

Connection: G1/4-IG

Design Data



| Attribute | Value |
|------------|---------|
| dn | 6 mm |
| Dmax(S) | 56 mm |
| Ds | 50 mm |
| G1 | G1/4"-F |
| H | 33 mm |
| LG1 | 15 mm |
| SW1 | 22 mm |
| Z (Stroke) | 5 mm |

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

Technical Data

| Attribute | Value |
|------------------------------|----------------------|
| Suction force (-600mbar) | 100 N |
| Lateral force | 80 N |
| Lateral force (oily surface) | 76 N |
| Volume | 9.48 cm ³ |
| Curve radius (min) (convex) | 65 mm |
| Hose diameter (rec.) d | 4 mm |
| Size | 50 |

Contact Schmalz

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| | |
|-----------------------------|--------------------|
| Suction cup material | Nitrile rubber NBR |
| Material hardness [Shore A] | 45 Shore A |
| Weight | 30.80 g |
| Number of folds | 0 |
| Product family | SAF |

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 Lateral force: The specified lateral forces are values measured at a vacuum of -0.6 bar with a dry or oily, smooth, flat workpiece surface. Depending on the workpiece surface and its quality, the actual values may deviate from these values Hose diameter: The recommended hose diameter refers to a hose length of approx. 2 m

Accessories



SU 50

Part no.:10.01.01.12837

Size: 50

Clamping range: 45.0 ... 60.0 mm

Temperature resistance: 80 °C