

## 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>

Home > Vacuum Technology for Automation > Vacuum Components > Vacuum Suction Cups > Suction Cups for Handling Sheet Metal > Flat Suction Cups SAF > SAF 50 NBR-45 G1/4-IG

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



Size: 50

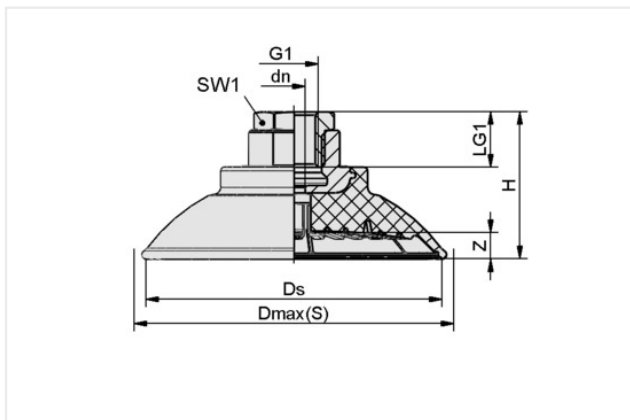
Suction cup material: Nitrile rubber NBR

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 <sup>3</sup>
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