

Flat suction cup (round)

SAF 100 NBR-45 M14x1.5-AG

Part no.:10.01.01.11477

<https://www.schmalz.com/10.01.01.11477>

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



Size: 100

Suction cup material: Nitrile rubber NBR

Material hardness [Shore A]: 45 Shore A

Nipple material: Aluminum

Connection: M14x1.5-AG

Design Data



Attribute	Value
dn	6 mm
Dmax(S)	110 mm
Ds	103 mm
G1	M14x1.5-M
H	36 mm
LG1	12 mm
SW1	22 mm
Z (Stroke)	9.50 mm

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

Technical Data

Attribute	Value
Suction force (-600mbar)	430 N
Lateral force	310 N
Lateral force (oily surface)	300 N
Volume	59.90 cm ³
Curve radius (min) (convex)	135 mm
Hose diameter (rec.) d	6 mm
Size	100

Contact Schmalz

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Suction cup material	Nitrile rubber NBR
Material hardness [Shore A]	45 Shore A
Weight	77.30 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 100

Part no.:10.01.01.12840

Size: 100

Clamping range: 100.0 ... 115.0 mm

Temperature resistance: 80 °C