

Flat suction cup (round)

SAF 80 NBR-45 G1/4-IG

Part no.:10.01.01.11461

<https://www.schmalz.com/10.01.01.11461>

Home > Vacuum Technology for Automation > Vacuum Components > Vacuum Suction Cups > Suction Cups for Handling Sheet Metal > Flat Suction Cups SAF > SAF 80 NBR-45 G1/4-IG

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



Size: 80

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)	89 mm
Ds	83 mm
G1	G1/4"-F
H	40 mm
LG1	20 mm
SW1	22 mm
Z (Stroke)	7.60 mm

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

Technical Data

Attribute	Value
Suction force (-600mbar)	272 N
Lateral force	205 N
Lateral force (oily surface)	180 N
Volume	36.70 cm ³
Curve radius (min) (convex)	100 mm
Hose diameter (rec.) d	6 mm
Size	80

Contact Schmalz

Schmalz Co. Ltd. | #503~507, 118 LS-ro 116Beon-gil, Dongan-gu, Anyang-si, Gyeonggi-do, 14118, South Korea | +82 31 81624031
schmalz@schmalz.co.kr

Flat suction cup (round)

SAF 80 NBR-45 G1/4-IG

Part no.:10.01.01.11461

<https://www.schmalz.com/10.01.01.11461>

Suction cup material	Nitrile rubber NBR
Material hardness [Shore A]	45 Shore A
Weight	56.20 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 80

Part no.:10.01.01.12839

Size: 80

Clamping range: 80.0 ... 100.0 mm

Temperature resistance: 80 °C

Contact Schmalz

Schmalz Co. Ltd. | #503~507, 118 LS-ro 116Beon-gil, Dongan-gu, Anyang-si, Gyeonggi-do, 14118, South Korea | +82 31 85624031
schmalz@schmalz.co.kr