

## Bell suction cup (round)

SAXM 80 ED-85 G1/4-IG

Part no.:10.01.19.00034

<https://www.schmalz.com/10.01.19.00034>

Home > Vacuum Technology for Automation > Vacuum Components > Vacuum Suction Cups > Suction Cups for Handling Sheet Metal > Bell-Shaped Suction Cups SAXM > SAXM 80 ED-85 G1/4-IG

### Bell suction cup (round) for best adaptation to strongly curved surfaces



Size: 80

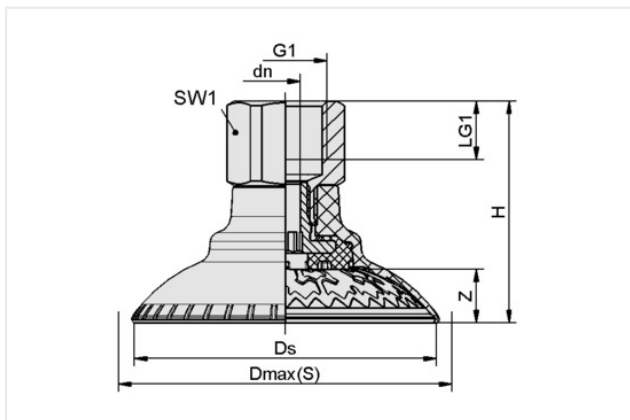
Suction cup material: Elastodur ED

Material hardness [Shore A]: 85 Shore A

Nipple material: Aluminum

Connection: G1/4-IG

### Design Data



Attribute	Value
dn	6.10 mm
Dmax(S)	92.20 mm
Ds	81 mm
G1	G1/4"-F
H	48.30 mm
LG1	14.80 mm
SW1	17 mm
Z (Stroke)	13.90 mm

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

### Technical Data

Attribute	Value
Suction force (-600mbar)	270 N
Lateral force	150 N
Lateral force (oily surface)	269 N
Volume	51.90 cm <sup>3</sup>
Curve radius (min) (convex)	32.50 mm
Hose diameter (rec.) d	6 mm
Size	80

### Contact Schmalz

Schmalz Inc. | 5850 Oak Forest Drive, Raleigh, NC 27616, United States | +1 (919) 713-0880 | [schmalz.us@schmalz.com](mailto:schmalz.us@schmalz.com)

## Bell suction cup (round)

SAXM 80 ED-85 G1/4-IG

Part no.:10.01.19.00034

<https://www.schmalz.com/10.01.19.00034>

Connection	G1/4"-F
Number of folds	0
Suction cup material	Elastodur ED
Material hardness [Shore A]	85 Shore A
Weight	40.20 g
Product family	SAXM

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

### Spare parts



#### SC-A 055 G1/4-IG L

Part no.:10.01.06.02742

Connection geometry: 055

Thread G1: G1/4"-F

Fitting length: 17.2 mm

Shape: Self Locking



#### SAXM 80 ED-85 SC055

Part no.:10.01.19.00008

Size: 80

Suction cup material: Elastodur ED

Material hardness [Shore A]: 85 Shore A

### Contact Schmalz

Schmalz Inc. | 5850 Oak Forest Drive, Raleigh, NC 27616, United States | +1 (919) 713-0880 | [schmalz.us@schmalz.com](mailto:schmalz.us@schmalz.com)

## Bell suction cup (round)

SAXM 80 ED-85 G1/4-IG

Part no...:10.01.19.00034

<https://www.schmalz.com/10.01.19.00034>



**SC-S 055 FDC-L**

Part no...:10.01.06.02804

Shape: Frict elem with Self lock