

# Bell suction cup (round)

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## SAX 80 ED-85 RA

Part no.: 10.01.19.00176

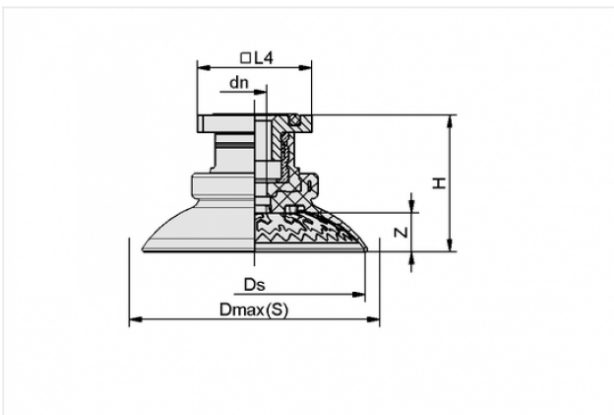
Homepage > Vacuum Technology for Automation > Vacuum Components > Vacuum Suction Cups > Suction Cups for Handling Sheet Metal > Bell-Shaped Suction Cups SAX > SAX 80 ED-85 RA

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



Size: 80  
Suction cup material: Elastodur  
Material hardness: 85 °Sh  
Vacuum connection:  
Rectangular adapter  
Nipple material: Aluminium

### Design Data



Attribute	Value
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dn	6.75 mm
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Dmax(S)	92.2 mm
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Ds	81 mm
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H	39.2 mm
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L4	31.8 mm
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SW1	22 mm
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Z	13.9 mm
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### Technical Data

Attribute	Value
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Suction force	270 N
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### Contact to Schmalz

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Attribute	Value
Lateral force	192 N
Lateral force (oily surface)	269 N
Volume	51 cm <sup>3</sup>
Curve radius (min) (convex)	32.5 mm
Size	80
Connection	Rectangular adapter
Number of folds	0
Suction cup material	Elastodur
Material hardness	85 °Sh
Weight	48.3 g
Product family	SAX

**\*The specified suction forces are theoretical values at a vacuum of -0.6 bar and with a smooth, dry workpiece surface - they do not include a safety factor.**

**\*\*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.**

**\*\*\*The recommended hose diameter refers to a hose length of approx. 2 m.**