

## Bell suction cup (round)

SAXM 80 ED-85 M10-AG

Part no.: 10.01.19.00036

<https://www.schmalz.co.jp/10.01.19.00036>

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### 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: M10-AG

### Design Data



| Attribute  | Value    |
|------------|----------|
| dn         | 4.10 mm  |
| Dmax (S)   | 92.20 mm |
| Ds         | 81 mm    |
| G1         | M10-M    |
| H          | 38.30 mm |
| LG1        | 10 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

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|                             |              |
|-----------------------------|--------------|
| Connection                  | M10-M        |
| Number of folds             | 0            |
| Suction cup material        | Elastodur ED |
| Material hardness [Shore A] | 85 Shore A   |
| Weight                      | 38.90 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 M10-AG L**

Part no.: 10.01.06.02822

Connection geometry: 055

Thread G1: M10-M

Fitting length: 7.2 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

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SC-S 055 FDC-L

Part no. : 10.01.06.02804

Shape: Frict elem with Self lock

### Contact Schmalz

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