

Bellows suction cup (oval)

# SAOXB 40x20 ED-85 M10-AG



Art.-Nr.: 10.01.06.05868



SAOXB 40x20 ED-85 M10-AG

## Technical data

| Attribute                   | Value        |
|-----------------------------|--------------|
| Suction cup material        | Elastodur ED |
| Material hardness [Shore A] | 85.0 Shore A |
| Number of folds             | 1.5          |
| Dimension (LxW)             | 40x20        |
| Nipple material             | Aluminum     |

## Design data

| Attribute            | Value    |
|----------------------|----------|
| Length L1            | 39.50 mm |
| Width B1             | 19.60 mm |
| Height H             | 26.40 mm |
| Nominal diameter dn  | 4.00 mm  |
| Thread G1            | M10-M    |
| Thread length LG1    | 9.5 mm   |
| Key width SW1        | 16.0 mm  |
| Spanner size SW2     | 5.0 mm   |
| Spring stroke Z      | 7.5 mm   |
| Suction cup width Bs | 20.00 mm |
| Ls                   | 40.00 mm |
| Key width SW3        | 5.0 mm   |
| Lmax.(S)             | 43.00 mm |
| Bmax(S)              | 24.00 mm |
| Length L2            | 29.20 mm |
| Width B2             | 9.20 mm  |



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[WWW.SCHMALZ.COM/10.01.06.05868](http://WWW.SCHMALZ.COM/10.01.06.05868)

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**Technical data**

| Attribute                      | Value                 |
|--------------------------------|-----------------------|
| Suction cup material           | Elastodur ED          |
| Material hardness [Shore A]    | 85.0 Shore A          |
| Workpiece radius min. (convex) | 8.0 mm                |
| Pull-off force                 | 27.30 N               |
| Suction force (-600mbar)       | 14.30 N               |
| Lateral force                  | 10.8 N                |
| Lateral force oily surface     | 14.7 N                |
| Volume                         | 4.600 cm <sup>3</sup> |
| Number of folds                | 1.5                   |
| Effective suction area         | 6.67 mm <sup>2</sup>  |
| Product family                 | SAOXB                 |
| Dimension (LxW)                | 40x20                 |
| Nipple material                | Aluminum              |

Note: Suction force: The suction force values are theoretical values at -0.6 bar vacuum and a dry, smooth and even workpiece surface – they are specified without safety factors. Hose inner diameter: The recommended hose diameter refers to a hose length of approx. 2 m

**Further documentation**

CAD data and other documents relating to the article can be found at: [www.schmalz.com/10.01.06.05868](http://www.schmalz.com/10.01.06.05868)

**Ordering Data Spare Parts 10.01.06.05868**

| Typ                        | Item number                               |
|----------------------------|-------------------------------------------|
| Bellows suction cup (oval) | SAOXB 40x20 ED-85 SC042<br>10.01.06.05780 |

