



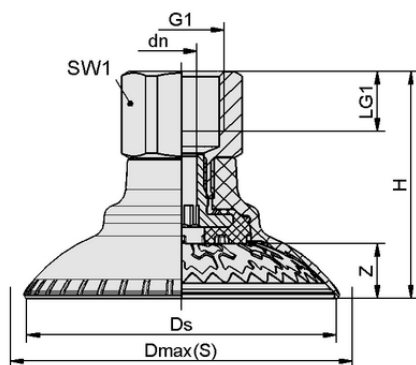
SAXM 20 ED-85 G3/8-IG

**Technical data**

| Attribute                   | Value        |
|-----------------------------|--------------|
| Suction cup material        | Elastodur ED |
| Material hardness [Shore A] | 85.0 Shore A |
| Size                        | 20.00        |
| Connection                  | G3/8-IG      |
| Nipple material             | Aluminum     |

Bell-shaped suction cup SAXM (elastomer part + connection element) is delivered assembled. As an alternative the individual parts can also be ordered separately. To do this, the following ordering steps are required:

- Bell-shaped suction cup of type SAXM (step 1) – elastomer part, available in various diameters
- Connector upper part (step 2) – available with various threads
- Connector lower part (step 3) – including molded friction disc



Design data SAXM 20 ED-85 G3/8-IG

**Design data**

| Attribute           | Value    |
|---------------------|----------|
| Height H            | 33.70 mm |
| Nominal diameter dn | 5.10 mm  |
| Thread G1           | G3/8"-F  |
| Thread length LG1   | 12.0 mm  |
| Key width SW1       | 22.0 mm  |
| Spring stroke Z     | 3.0 mm   |
| Diameter Ds         | 21.8 mm  |
| Diameter Dmax(S)    | 26.0 mm  |

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

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**Technical data**

| Attribute                      | Value                 |
|--------------------------------|-----------------------|
| Suction cup material           | Elastodur ED          |
| Material hardness [Shore A]    | 85.0 Shore A          |
| Hose inner diameter (recom.) d | 5.0 mm                |
| Workpiece radius min. (convex) | 20.0 mm               |
| Suction force (-600mbar)       | 20.00 N               |
| Weight                         | 18.6 g                |
| Lateral force                  | 15.0 N                |
| Lateral force oily surface     | 20.0 N                |
| Volume                         | 1.550 cm <sup>3</sup> |
| Size                           | 20.00                 |
| Number of folds                | 0.0                   |
| Connection                     | G3/8"-F               |
| 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 even 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

**Further documentation**

CAD data and other documents relating to the article can be found at: [www.schmalz.com/10.01.19.00097](http://www.schmalz.com/10.01.19.00097)

**Ordering Data Spare Parts 10.01.19.00097**

| Typ                       | Item number                       |
|---------------------------|-----------------------------------|
| Schmalz-Connector-Adapter | SC-A 045 G3/8-IG L 10.01.06.02737 |

**Ordering Data Wear Parts 10.01.19.00097**

| Typ                      | Item number                        |
|--------------------------|------------------------------------|
| Bell suction cup (round) | SAXM 20 ED-85 SC045 10.01.19.00003 |
| Schmalz-Connector-Screw  | SC-S 045 FDC-L 10.01.06.02803      |

