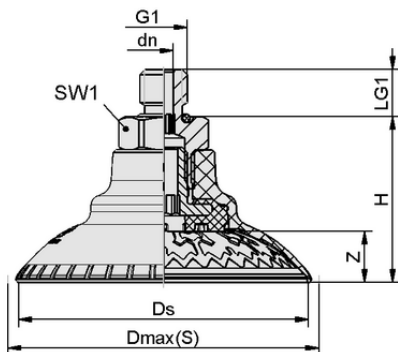




SAXM 80 ED-85 M14x1.5-AG

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 80 ED-85 M14x1.5-AG

Technical data

Attribute	Value
Suction cup material	Elastodur ED
Material hardness [Shore A]	85.0 Shore A
Size	80.00
Connection	M14x1.5-AG
Nipple material	Aluminum

Design data

Attribute	Value
Height H	38.30 mm
Nominal diameter dn	6.10 mm
Thread G1	M14x1.5-M
Thread length LG1	10.0 mm
Key width SW1	17.0 mm
Spring stroke Z	13.9 mm
Diameter Ds	81.0 mm
Diameter Dmax(S)	92.2 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	6.0 mm
Workpiece radius min. (convex)	32.5 mm
Suction force (-600mbar)	270.00 N
Weight	40.1 g
Lateral force	150.0 N
Lateral force oily surface	269.0 N
Volume	51.900 cm ³
Size	80.00
Number of folds	0.0
Connection	M14x1.5-M
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/10.01.19.00037

**Ordering Data Spare Parts 10.01.19.00037**

Typ	Item number
Schmalz-Connector-Adapter	SC-A 055 M14x1.5-AG L 10.01.06.02823

**Ordering Data Wear Parts 10.01.19.00037**

Typ	Item number
Bell suction cup (round)	SAXM 80 ED-85 SC055 10.01.19.00008
Schmalz-Connector-Screw	SC-S 055 FDC-L 10.01.06.02804

