



Technical data

Attribute	Value
Suction cup material	Elastodur ED
Material hardness [Shore A]	65.0 Shore A
Dimension (LxW)	100 x 40
Number of folds	1.5
Thread G1	G1/4"-M

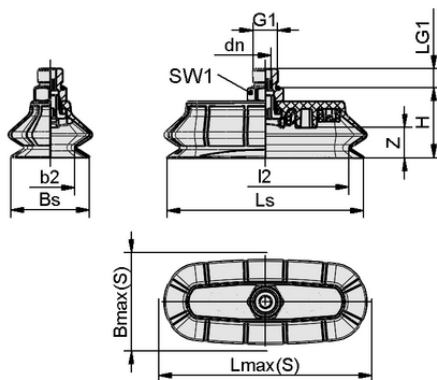
SPOB1 100x40 ED-65 G1/4-AG

Suction cup SPOB1 (elastomer part + connection element) is delivered assembled. The assembly consists of:

- Suction cup of type SPOB1 – elastomer part, available in various diameters
- Connection element of type SC – available with various threads, includes stabilization plate for model size 100 x 400 mm

Available spare parts: suction cup SPOB1, Schmalz-Connector

Available accessories: filter screen (sieve, round)



Design data

Attribute	Value
Height H	37.00 mm
Nominal diameter dn	6.10 mm
Thread G1	G1/4"-M
Thread length LG1	10.0 mm
Key width SW1	17.0 mm
Spring stroke Z	16.0 mm
Suction cup width Bs	41.40 mm
Ls	104.40 mm
Lmax.(S)	113.00 mm
Bmax(S)	52.00 mm

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

Design data SPOB1 100x40 ED-65 G1/4-AG



Art.-Nr.: 10.01.06.03512

**Technical data**

Attribute	Value
Suction cup material	Elastodur ED
Material hardness [Shore A]	65.0 Shore A
Hose inner diameter (recom.) d	6.0 mm
Workpiece radius min. (convex)	50.0 mm
Pull-off force	131.40 N
Suction force (-600mbar)	111.20 N
Weight	41.0 g
Dimension (LxW)	100 x 40
Lateral force	76.9 N
Volume	60.100 cm ³
Number of folds	1.5
Product family	SPOB1

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/10.01.06.03512

**Ordering Data Accessories 10.01.06.03512**

Typ		Item number
Sieve, round	SIEB 17.5x0.8 MS-A2 280 0.28/0.16	10.07.01.00308
Flow resistance	SC-SW 60 6	10.05.04.00096
Flow resistance	SC-SW 80 6	10.05.04.00097
Flow resistance	SC-SW 100 6	10.05.04.00098
Flow resistance	SC-SW 120 6	10.05.04.00099
Flow resistance	SC-SW 200 6	10.05.04.00100
Flow resistance	SC-SW 240 6	10.05.04.00101

**Ordering Data Spare Parts 10.01.06.03512**

Typ		Item number
Schmalz-Connector	SC 050-AR G1/4-AG MOD	10.01.06.02491
Bellows suction cup (oval)	SPOB1 100x40 ED-65 SC050-AR	10.01.06.02461



Bellows suction cup (oval)

SPOB1 100x40 ED-65 G1/4-AG



Art.-Nr.: 10.01.06.03512



Ordering Data Wear Parts 10.01.06.03512

Typ		Item number
Bellows suction cup (oval)	SPOB1 100x40 ED-65 SC050-AR	10.01.06.02461



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