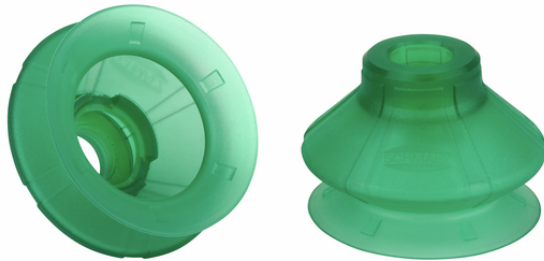


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**Technical data**

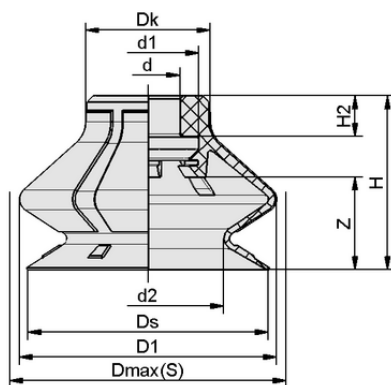
Attribute	Value
Suction cup material	Elastodur ED
Material hardness [Shore A]	65.0 Shore A
Size	40.00
Number of folds	1.5

SPB1 40 ED-65 SC050

Suction cup SPB1 (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:

- Suction cup of type SPB1 (step 1) – elastomer part, available in various diameters
- Connection element of type SC (step 2) – available with various threads

Available accessories: filter screen, suction cup insert

**Design data**

Attribute	Value
Height H2	7.00 mm
Height H	30.00 mm
Outside diameter D1	44.6 mm
Head diameter Dk	21.6 mm
Internal diameter d1	17.5 mm
d2	26.1 mm
Internal diameter d	11.00 mm
Spring stroke Z	16.0 mm
Diameter Ds	41.4 mm
Diameter Dmax(S)	48.0 mm

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

Design data SPB1 40 ED-65 SC050



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**Technical data**

Attribute	Value
Nipple family	SC 050
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)	40.0 mm
Pull-off force	46.80 N
Suction force (-600mbar)	35.90 N
Weight	8.2 g
Lateral force	24.8 N
Volume	18.330 cm ³
Size	40.00
Number of folds	1.5
Product family	SPB1

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/10.01.06.02455

**Ordering Data Accessories 10.01.06.02455**

Typ		Item number
Schmalz-Connector	SC 050 G1/4-AG MOD	10.01.06.02487
Schmalz-Connector	SC 050 G1/4-IG MOD	10.01.06.02488
Sieve, round	SIEB 17.5x0.8 MS-A2 280 0.28/0.16	10.07.01.00308
Schmalz Pad Insert PA	SPI 33 PA SPB1-40	10.01.06.03387
Schmalz-Connector	SC 050-AR NPT1/4-AG MOD	10.01.06.02543
Schmalz-Connector	SC 050-AR NPT1/4-IG MOD	10.01.06.02546

