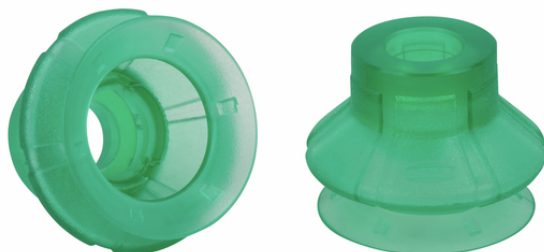


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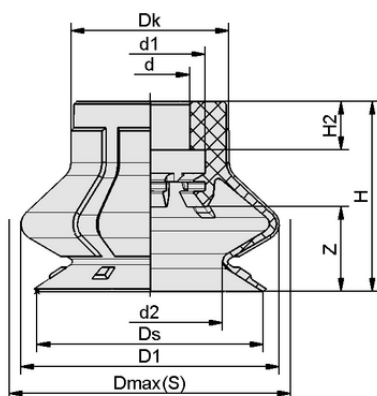


SPB1 20 ED-65 SC040

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 SPB1 20 ED-65 SC040

Technical data

Attribute	Value
Suction cup material	Elastodur ED
Material hardness [Shore A]	65.0 Shore A
Size	20.00
Number of folds	1.5

Design data

Attribute	Value
Height H2	4.60 mm
Height H	18.00 mm
Outside diameter D1	24.6 mm
Head diameter Dk	15.1 mm
Internal diameter d1	10.5 mm
d2	13.8 mm
Internal diameter d	7.50 mm
Spring stroke Z	8.0 mm
Diameter Ds	21.4 mm
Diameter Dmax(S)	26.3 mm

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

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**Technical data**

Attribute	Value
Nipple family	SC 040
Suction cup material	Elastodur ED
Material hardness [Shore A]	65.0 Shore A
Hose inner diameter (recom.) d	4.0 mm
Workpiece radius min. (convex)	15.0 mm
Pull-off force	16.20 N
Suction force (-600mbar)	9.90 N
Weight	2.2 g
Lateral force	9.8 N
Volume	3.105 cm ³
Size	20.00
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/10.01.06.02452

**Ordering Data Accessories 10.01.06.02452**

Typ		Item number
Schmalz-Connector	SC 040 G1/8-AG	10.01.06.02490
Schmalz-Connector	SC 040 G1/8-IG	10.01.06.02482
Sieve, round	SIEB 11x1 MS-A2 280 0.28/0.16	10.07.01.00309
Schmalz Pad Insert PA	SPI 18 PA SPB1-20	10.01.06.03385
Schmalz-Connector	SC 040 NPT1/8-AG	10.01.06.02541
Schmalz-Connector	SC 040 NPT1/8-IG	10.01.06.02542

