

Art.-Nr.: 10.01.06.02589



SPB4 30 SI-55 SC080

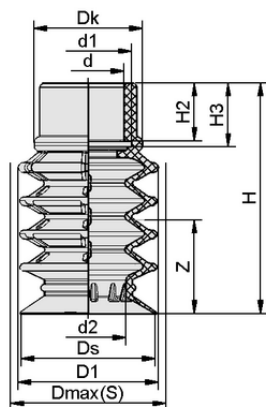
Technical data

Attribute	Value
Suction cup material	Silicone SI
Material hardness [Shore A]	55.0 Shore A
Size	30.00
Number of folds	4.5

Suction cup SPB4 (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 SPB4 (step 1) – elastomer part, available in various diameters
- Connection element of type SC (step 2) – available with various threads

Available accessories: filter screen, hose clamp, insert disc

Design data

Design data SPB4 30 SI-55 SC080

Attribute	Value
Height H2	13.00 mm
Height H	52.00 mm
Outside diameter D1	31.0 mm
Head diameter Dk	24.4 mm
Internal diameter d1	19.6 mm
d2	17.0 mm
Internal diameter d	16.00 mm
Spring stroke Z	20.0 mm
Diameter Ds	30.2 mm
Height H3	14.40 mm
Diameter Dmax(S)	31.5 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 080
Suction cup material	Silicone SI
Material hardness [Shore A]	55.0 Shore A
Suction force (-600mbar)	16.00 N
Weight	9.30 g
Volume	15.610 cm ³
Size	30.00
Number of folds	4.5
Suction force at -400 mbar	10.60 N
Suction force at -200 mbar	5.30 N
Pull-off force at -400 mbar	13.00 N
Pull-off force at -200 mbar	9.90 N
Product family	SPB4

Note: Suction force: The specified suction forces are theoretical values with a dry, smooth and even workpiece surface - they do not include a safety factor

**Further documentation**

CAD data and other documents relating to the article can be found at: www.schmalz.com/10.01.06.02589

**Ordering Data Accessories 10.01.06.02589**

Typ		Item number
Schmalz-Connector	SC 080 G1/4-AG	10.01.06.03268
Schmalz-Connector	SC 080 G1/4-IG	10.01.06.03271
Schmalz-Connector	SC 080 G1/8-AG	10.01.06.03142
Schmalz-Connector	SC 080 G1/8-IG	10.01.06.03270
Schmalz-Connector	SC 080 G3/8-AG	10.01.06.02593
Schmalz-Connector	SC 080 G3/8-IG	10.01.06.02594
Sieve, round	SIEB 17x0.8 MS-A2 103 0.103/0.07	10.07.01.00320
Schmalz Pad Insert PE	SPI 24 PE SPB4-30	10.01.06.02855
Stabilization element	SPSE 30	10.01.06.02953
Hose clamp	SSB 16-27 ST-VZ	10.07.10.00002
Schmalz-Connector	SC 080 NPT1/4-AG	10.01.06.03662
Schmalz-Connector	SC 080 NPT1/4-IG	10.01.06.03663
Schmalz-Connector	SC 080 NPT3/8-AG	10.01.06.03664
Schmalz-Connector	SC 080 NPT3/8-IG	10.01.06.03665

