

Art.-Nr.: 10.01.06.02590



SPB4 40 SI-55 SC090

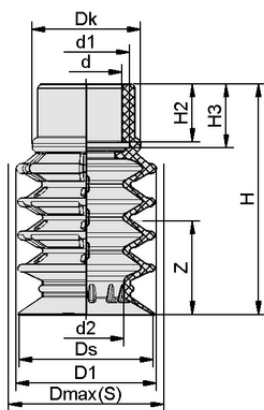
Technical data

Attribute	Value
Suction cup material	Silicone SI
Material hardness [Shore A]	55.0 Shore A
Size	40.00
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 SPB4 40 SI-55 SC090

Design data

Attribute	Value
Height H2	14.00 mm
Height H	65.60 mm
Outside diameter D1	41.0 mm
Head diameter Dk	31.0 mm
Internal diameter d1	24.8 mm
d2	23.0 mm
Internal diameter d	20.00 mm
Spring stroke Z	27.0 mm
Diameter Ds	40.5 mm
Height H3	16.00 mm

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



Art.-Nr.: 10.01.06.02590

**Technical data**

Attribute	Value
Nipple family	SC 090
Suction cup material	Silicone SI
Material hardness [Shore A]	55.0 Shore A
Suction force (-600mbar)	25.00 N
Weight	18.60 g
Volume	35.740 cm ³
Size	40.00
Number of folds	4.5
Suction force at -400 mbar	16.60 N
Suction force at -200 mbar	8.30 N
Pull-off force at -400 mbar	23.00 N
Pull-off force at -200 mbar	14.10 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/10.01.06.02590

**Ordering Data Accessories 10.01.06.02590**

Typ		Item number
Schmalz-Connector	SC 090 G1/2-AG	10.01.06.02595
Schmalz-Connector	SC 090 G1/2-IG	10.01.06.02596
Schmalz-Connector	SC 090 G1/4-AG	10.01.06.02793
Schmalz-Connector	SC 090 G1/4-IG	10.01.06.03273
Schmalz-Connector	SC 090 G1/8-AG	10.01.06.03269
Schmalz-Connector	SC 090 G1/8-IG	10.01.06.03272
Schmalz-Connector	SC 090 G3/8-AG	10.01.06.02791
Schmalz-Connector	SC 090 G3/8-IG	10.01.06.03274
Sieve, round	SIEB 19.5x1 MS-A2 103	10.07.01.00321
Schmalz Pad Insert PE	SPI 32 PE SPB4-40	10.01.06.02856
Stabilization element	SPSE 40	10.01.06.02954
Hose clamp	SSB 20-32 ST-VZ	10.07.10.00003
Schmalz-Connector	SC 090 NPT1/4-AG	10.01.06.03666
Schmalz-Connector	SC 090 NPT1/4-IG	10.01.06.03667
Schmalz-Connector	SC 090 NPT3/8-AG	10.01.06.03668
Schmalz-Connector	SC 090 NPT3/8-IG	10.01.06.03669

