



SPF 50 ED-65 G1/4-AG

Technical data

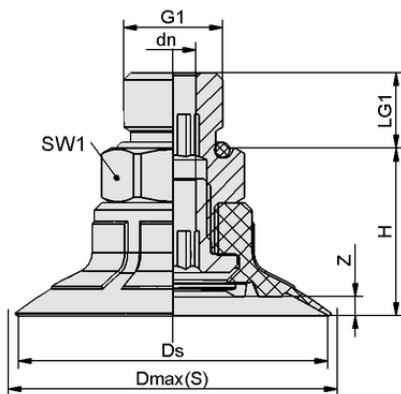
Attribute	Value
Suction cup material	Elastodur ED
Material hardness [Shore A]	65.0 Shore A
Size	50.00
Thread G1	G1/4"-M

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

- Suction cup of type SPF – elastomer part, available in various diameters
- Connection element of type SC – available with various threads

Available spare parts: suction cup SPF, Schmalz-Connector

Available accessories: filter screen (sieve, round)



Design data SPF 50 ED-65 G1/4-AG

Design data

Attribute	Value
Height H	23.20 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	3.5 mm
Diameter Ds	51.4 mm
Diameter Dmax(S)	53.9 mm

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

Art.-Nr.: 10.01.01.13248

**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)	75.0 mm
Pull-off force	87.40 N
Suction force (-600mbar)	74.20 N
Weight	20.10 g
Lateral force	44.0 N
Volume	7.955 cm ³
Size	50.00
Number of folds	0.0
Product family	SPF

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/10.01.01.13248

**Ordering Data Accessories 10.01.01.13248**

Typ		Item number
Sieve, round	SIEB 17.5x0.8 MS-A2 280 0.28/0.16	10.07.01.00308
Suction cup cover	SU 50	10.01.01.12837
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 10.01.01.13248**

Typ		Item number
Schmalz-Connector	SC 050 G1/4-AG MOD	10.01.06.02487



Flat suction cup (round)

SPF 50 ED-65 G1/4-AG



Art.-Nr.: 10.01.01.13248



Ordering Data Wear Parts 10.01.01.13248

Typ		Item number
Flat suction cup (round)	SPF 50 ED-65 SC050	10.01.01.12374



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