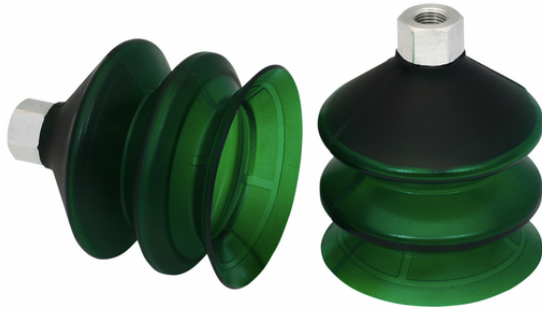


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FSG 85 VU1-72 G1/4-IG ON

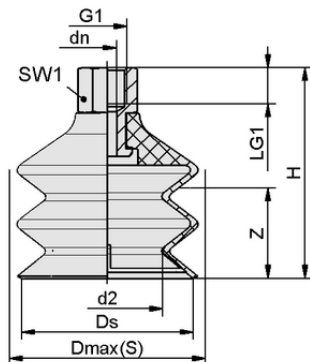
Technical data

Attribute	Value
Suction cup material	Vulkollan VU1
Material hardness [Shore A]	72.0 Shore A
Size	85.00
Number of folds	2.5
Connection	G1/4"-F
Nipple material	Aluminum

Suction cup FSG VU1 (elastomer part + connection nipple) is delivered assembled. The assembly consists of:

- Suction cup of type FG VU1 – elastomer part, available in various diameters
- Connection nipple of type SA-NIP – available with various threads

Available spare parts: suction cup FG VU1, connection nipple SA-NIP



Design data FSG 85 VU1-72 G1/4-IG ON

Design data

Attribute	Value
Height H	100.00 mm
Nominal diameter dn	6.00 mm
d2	51.0 mm
Thread G1	G1/4"-F
Thread length LG1	12.0 mm
Key width SW1	22.0 mm
Spring stroke Z	38.0 mm
Diameter Ds	80.2 mm
Diameter Dmax(S)	90.0 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	N 015
Suction cup material	Vulkollan VU1
Material hardness [Shore A]	72.0 Shore A
Hose inner diameter (recom.) d	6.0 mm
Workpiece radius min. (convex)	60.0 mm
Pull-off force	250.00 N
Suction force (-600mbar)	120.00 N
Weight	145.0 g
Volume	201.577 cm ³
Size	85.00
Number of folds	2.5
Product family	FSG

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/10.01.06.00167

**Ordering Data Spare Parts 10.01.06.00167**

Typ		Item number
Suction cup connection nipple	SA-NIP N015 G1/4-IG DN600	10.01.06.00182
Bellows suction cup (round)	FG 85 VU1-72 N015 ON	10.01.06.00209

**Ordering Data Wear Parts 10.01.06.00167**

Typ		Item number
Bellows suction cup (round)	FG 85 VU1-72 N015 ON	10.01.06.00209

