

Art.-Nr.: 10.01.06.00169



FSGA 30 VU1-72 G1/4-IG

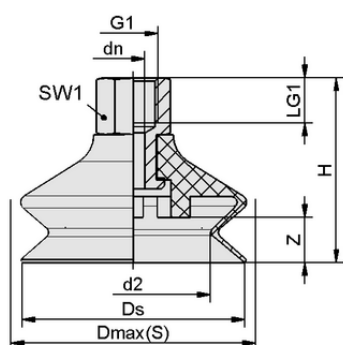
Technical data

Attribute	Value
Suction cup material	Vulkollan VU1
Material hardness [Shore A]	72.0 Shore A
Size	30.00
Number of folds	1.5
Connection	G1/4"-F
Nipple material	Aluminum

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

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

Available spare parts: suction cup FGA VU1, connection nipple SA-NIP / connection disc SA-SCHE



Design data FSGA 30 VU1-72 G1/4-IG

Design data

Attribute	Value
Height H	42.00 mm
Nominal diameter dn	3.50 mm
d2	17.0 mm
Thread G1	G1/4"-F
Thread length LG1	12.0 mm
Key width SW1	17.0 mm
Spring stroke Z	8.5 mm
Diameter Ds	29.0 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	N 013
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)	25.0 mm
Pull-off force	32.00 N
Suction force (-600mbar)	13.50 N
Weight	14.20 g
Volume	5.756 cm ³
Size	30.00
Number of folds	1.5
Product family	FSGA

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/10.01.06.00169

**Ordering Data Spare Parts 10.01.06.00169**

Typ		Item number
Suction Cup Connection Nipples	SA-NIP N013 G1/4-IG DN350	10.01.06.00180
Bellows suction cup (round)	FGA 30 VU1-72 N013	10.01.06.00177

**Ordering Data Wear Parts 10.01.06.00169**

Typ		Item number
Bellows suction cup (round)	FGA 30 VU1-72 N013	10.01.06.00177

