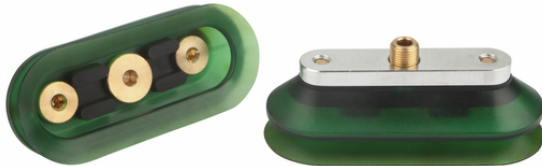


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## Technical data

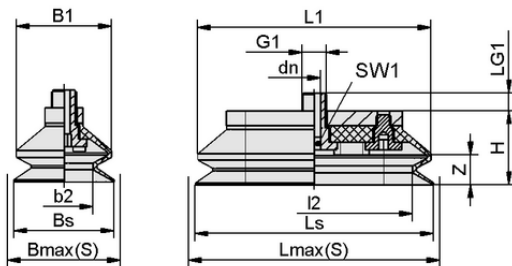
Attribute	Value
Suction cup material	Vulkollan VU1
Material hardness [Shore A]	72.0 Shore A
Dimension (LxW)	95 x 40
Number of folds	1.5
Connection	G1/8"-M
Nipple material	Brass

FSGAO 95x40 VU1-72 G1/8-AG

Suction cup FSGAO (elastomer part + support plate) is delivered assembled. The assembly consists of:

- Suction cup of type FGAO – elastomer part, available in various dimensions (LxW)
- Aluminum support plate

Available spare parts: suction cup FGAO



## Design data

Attribute	Value
Length L1	93.00 mm
Width B1	38.00 mm
Height H	29.50 mm
Nominal diameter dn	5.00 mm
Thread G1	G 1/8"-M
Thread length LG1	8.0 mm
Key width SW1	4.0 mm
Spring stroke Z	12.0 mm
Suction cup width Bs	40.00 mm
Ls	95.00 mm

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

Design data FSGAO 95x40 VU1-72 G1/8-AG



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**Technical data**

Attribute	Value
Nipple family	N 038
Suction cup material	Vulkollan VU1
Material hardness [Shore A]	72.0 Shore A
Hose inner diameter (recom.) d	9.0 mm
Workpiece radius min. (convex)	20.0 mm
Pull-off force	110.00 N
Suction force (-600mbar)	95.00 N
Weight	125.0 g
Dimension (LxW)	95 x 40
Volume	38.217 cm <sup>3</sup>
Number of folds	1.5
Product family	FSGAO

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/10.01.06.00503](http://www.schmalz.com/10.01.06.00503)

**Ordering Data Spare Parts 10.01.06.00503**

Typ		Item number
Bellows suction cup (oval)	FSGAO 95x40 VU1-72 N038	10.01.06.00499

**Ordering Data Wear Parts 10.01.06.00503**

Typ		Item number
Bellows suction cup (oval)	FSGAO 95x40 VU1-72 N038	10.01.06.00499

