

Art.-Nr.: 10.01.06.00243

**Technical data**

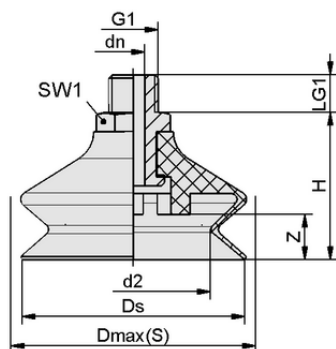
Attribute	Value
Suction cup material	Vulkollan VU1
Material hardness [Shore A]	72.0 Shore A
Size	85.00
Number of folds	1.5
Connection	G1/4"-M
Nipple material	Aluminum

FSGA 85 VU1-72 G1/4-AG

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**

Attribute	Value
Height H	52.00 mm
Nominal diameter dn	6.00 mm
d2	50.2 mm
Thread G1	G1/4"-M
Thread length LG1	10.0 mm
Key width SW1	22.0 mm
Spring stroke Z	15.0 mm
Diameter Ds	82.5 mm
Diameter Dmax(S)	86.5 mm

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

Design data FSGA 85 VU1-72 G1/4-AG



Art.-Nr.: 10.01.06.00243

**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)	80.0 mm
Pull-off force	250.00 N
Suction force (-600mbar)	140.00 N
Weight	108.90 g
Volume	80.210 cm ³
Size	85.00
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/10.01.06.00243

**Ordering Data Spare Parts 10.01.06.00243**

Typ	Item number
Suction cup connection nipple	SA-NIP N015 G1/4-AG DN600 10.01.06.00185

**Ordering Data Wear Parts 10.01.06.00243**

Typ	Item number
Bellows suction cup (round)	FGA 85 VU1-72 N015 10.01.06.00179

