

Technical data

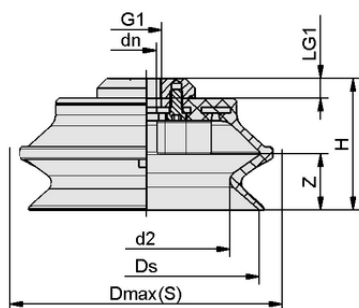
Attribute	Value
Suction cup material	Silicone SI
Material hardness [Shore A]	70.0 Shore A
Size	150.00
Number of folds	1.5
Material characteristics	FDA
Connection	G1/2"-F
Nipple material	Aluminum

FSGA 150 SI-70 G1/2-IG

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

- Suction cup of type FGA – elastomer part, available in the diameters 110 mm and 150 mm and various materials
- Connection nipple of type SA-NIP – available with various threads

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



Design data

Attribute	Value
Height H	88.50 mm
Nominal diameter dn	13.50 mm
d2	111.0 mm
Thread G1	G1/2"-F
Thread length LG1	13.0 mm
Spring stroke Z	37.5 mm
Diameter Ds	150.0 mm
Diameter Dmax(S)	177.0 mm

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

Design data FSGA 150 SI-70 G1/2-IG

Bellows suction cups (round)

FSGA 150 SI-70 G1/2-IG



Art.-Nr.: 10.01.06.00121



Technical data

Attribute	Value
Nipple family	N 010
Suction cup material	Silicone SI
Material hardness [Shore A]	70.0 Shore A
Hose inner diameter (recom.) d	12.0 mm
Workpiece radius min. (convex)	250.0 mm
Pull-off force	1,000.00 N
Suction force (-600mbar)	570.00 N
Weight	801.5 g
Volume	800.000 cm ³
Size	150.00
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/10.01.06.00121



Ordering Data Spare Parts 10.01.06.00121

Typ		Item number
Bellows suction cup (round)	FGA 150 SI-70 N010	10.01.06.00117
Suction cup connection nipple (inst)	SA-NIP N010 G1/2-IG	10.01.01.00796



Ordering Data Wear Parts 10.01.06.00121

Typ		Item number
Bellows suction cup (round)	FGA 150 SI-70 N010	10.01.06.00117



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