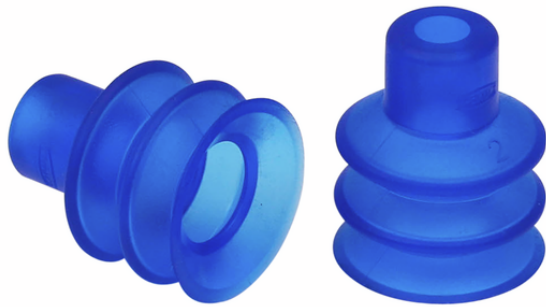


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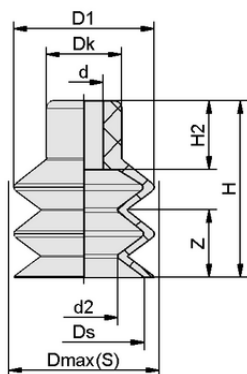
FG 18 PVC-50 N016

Technical data

Attribute	Value
Suction cup material	Polyvinyl chloride PVC
Material hardness [Shore A]	50.0 Shore A
Size	18.00
Number of folds	2.5

Suction cup FG PVC (elastomer part + connection element) is delivered assembled. The assembly consists of:

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



Design data FG 18 PVC-50 N016

Design data

Attribute	Value
Height H2	9.20 mm
Height H	23.50 mm
Outside diameter D1	18.6 mm
Head diameter Dk	10.0 mm
d2	8.9 mm
Internal diameter d	5.00 mm
Spring stroke Z	8.5 mm
Diameter Ds	16.0 mm
Diameter Dmax(S)	20.0 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 016
Suction cup material	Polyvinyl chloride PVC
Material hardness [Shore A]	50.0 Shore A
Hose inner diameter (recom.) d	4.0 mm
Workpiece radius min. (convex)	15.0 mm
Pull-off force	8.00 N
Suction force (-600mbar)	3.20 N
Weight	1.8 g
Volume	1.960 cm ³
Size	18.00
Number of folds	2.5
Product family	FG

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/10.01.06.01941

**Ordering Data Accessories 10.01.06.01941**

Typ		Item number
Suction cup connection nipple	SA-NIP N016 M5-AG DN250	10.01.06.00123
Suction cup connection nipple	SA-NIP N016 G1/8-AG DN350	10.01.06.05735
Suction cup connection nipple	SA-NIP N016 G1/8-IG DN350	10.01.06.05731
Suction cup connection nipple	SA-NIP N016 M5-IG DN250	10.01.06.03384
Suction cup connection nipple	SA-NIP N016 G1/8-AG DN310	10.01.06.04062
Suction cup connection nipple	SA-NIP N016 M5-AG DN250	10.01.06.04365
Suction cup connection nipple	SA-NIP N016 M5-IG DN310	10.01.06.04689
Suction cup connection nipple	SA-NIP N016 G1/8-IG DN310	10.01.06.04690

