



PFYN 5 NBR-55 M5-AG

Suction cup PFYN (elastomer part + connection nipple) is delivered unassembled (diameters of 120 mm and more are assembled). The delivery consists of:

- Suction cup of type PFG – elastomer part, available in various diameters and materials
- Connection nipple of type SA-NIP – available with various threads

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

Technical data

Attribute	Value
Suction cup material	Nitrile rubber NBR
Material hardness [Shore A]	55.0 Shore A
Size	5.00
Vacuum connection	M5-M
Nipple material	Aluminum



Design data PFYN 5 NBR-55 M5-AG

Design data

Attribute	Value
Height H	11.50 mm
Nominal diameter dn	1.50 mm
Thread G1	M5-M
Thread length LG1	4.5 mm
Key width SW1	8.0 mm
Spring stroke Z	0.9 mm
Diameter Ds	5.0 mm
Diameter Dmax(S)	5.5 mm

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

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**Technical data**

Attribute	Value
Suction cup material	Nitrile rubber NBR
Material hardness [Shore A]	55.0 Shore A
Hose inner diameter (recom.) d	2.0 mm
Workpiece radius min. (convex)	7.5 mm
Suction force (-600mbar)	0.75 N
Weight	1.10 g
Volume	0.005 cm ³
Size	5.00
Number of folds	0.0
Product family	PFYN

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/10.01.01.00137

**Ordering Data Spare Parts 10.01.01.00137**

Typ	Item number
Suction Cup Connection Nipples	SA-NIP N004 M5-AG DN200 10.01.01.03526

**Ordering Data Wear Parts 10.01.01.00137**

Typ	Item number
Flat suction cup (round)	PFG 5 NBR-55 N004 10.01.01.00007

