



## Technical data

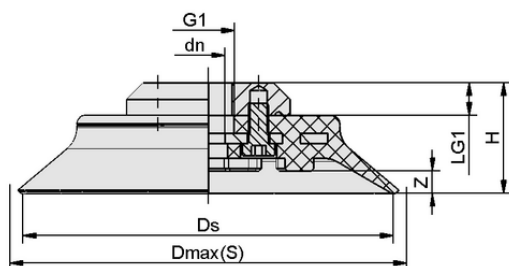
| Attribute                   | Value              |
|-----------------------------|--------------------|
| Suction cup material        | Nitrile rubber NBR |
| Material hardness [Shore A] | 55.0 Shore A       |
| Size                        | 120.00             |
| Vacuum connection           | G1/2"-F            |
| Nipple material             | Aluminum           |

PFYN 120 NBR-55 G1/2-IG

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



## Design data

| Attribute           | Value    |
|---------------------|----------|
| Height H            | 37.50 mm |
| Nominal diameter dn | 13.50 mm |
| Thread G1           | G1/2"-F  |
| Thread length LG1   | 13.0 mm  |
| Spring stroke Z     | 6.0 mm   |
| Diameter Ds         | 120.0 mm |
| Diameter Dmax(S)    | 124.0 mm |

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

Design data PFYN 120 NBR-55 G1/2-IG

Art.-Nr.: 10.01.01.00337

**Technical data**

| Attribute                      | Value                  |
|--------------------------------|------------------------|
| Suction cup material           | Nitrile rubber NBR     |
| Material hardness [Shore A]    | 55.0 Shore A           |
| Hose inner diameter (recom.) d | 9.0 mm                 |
| Workpiece radius min. (convex) | 300.0 mm               |
| Suction force (-600mbar)       | 540.00 N               |
| Weight                         | 352.60 g               |
| Volume                         | 77.800 cm <sup>3</sup> |
| Size                           | 120.00                 |
| 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/10.01.01.00337](http://www.schmalz.com/10.01.01.00337)

**Ordering Data Accessories 10.01.01.00337**

| Typ               | Item number           |
|-------------------|-----------------------|
| Suction cup cover | SU 120 10.01.01.12437 |

**Ordering Data Spare Parts 10.01.01.00337**

| Typ                                  | Item number                        |
|--------------------------------------|------------------------------------|
| Suction cup connection nipple (inst) | SA-NIP N010 G1/2-IG 10.01.01.00796 |

**Ordering Data Wear Parts 10.01.01.00337**

| Typ                      | Item number                        |
|--------------------------|------------------------------------|
| Flat suction cup (round) | PFG 120 NBR-55 N010 10.01.01.00331 |

