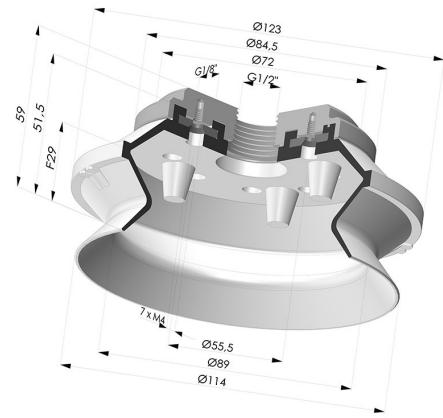


**TECHNICAL INFORMATION**

- Range :** Suction cup  
**Category :** With bellows  
**Series :** 91  
**Height (in mm) :** 59  
**Shape :** 1.5 Bellows  
**Contact lip diameter :** 114 mm  
**inner barrel diameter :** G1/2  
**Number of bellows :** 1.5 Bellows  
**Horizontal force :** 443 N  
**Vertical force :** 221.5 N  
**Arrow :** 29 mm



**Variants:**



- Variant reference:  
**91 110NI F12**
- Color: Black
  - Matter: Nitrile
  - Shore Hardness: SH50



- Variant reference:  
**91 110SLT F12**
- Color: Translucent
  - CE food certified
  - Matter: Silicone
  - Shore Hardness: SH60



- Variant reference:  
**91 110TPU F12**
- Color: Translucent
  - Matter: Thermoplastic
  - Shore Hardness: SH70

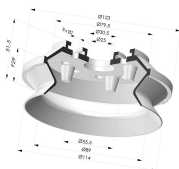
**Material guide:**

|  | Material                               | Code | Temperature resistance (°C) | Flexibility | Abrasion resistance | UV/Weather resistance | Oil resistance | Food compatibility | Migration test |
|--|--|------|-----------------------------|-------------|---------------------|-----------------------|----------------|--------------------|----------------|
|  | Nitrile Black (Shore SH50)             | NI   | -10/+80                     | ✓           | ✓                   | ✗                     | ✓✓             | ✗                  | ✗              |
|  | Silicone Translucent (Shore SH60)      | SL T | -60/+250                    | ✓✓✓         | ✓                   | ✓✓✓                   | ✓              | FDA  **            | ✗              |
|  | Thermoplastic Translucent (Shore SH70) | TPU  | -20/+80                     | ✓           | ✓✓✓                 | ✓                     | ✓✓             | ✗                  | ✗              |

Requests for FDA and/or EC certificates must be made AT THE TIME OF ORDER. Any later request will incur additional charges. To meet the expectations of our industrial customers, NOVACOM offers the widest range of elastomer and thermoplastic materials. We can also develop new materials based on precise specifications, in order to solve specific applications for our customers.

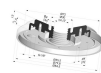
Excellent | Good | Low | Poor | Not recommended  
 \*FDA and/or EC certificate may be requested for various references at the time of order; please contact us.  
 \*\* Food contact certification: (EC) 1935/2004 - (FDA) 21 CFR 177.2600  
 \*\*\* Food contact certification: (EC) 10/2011 - (FDA) 21 CFR

**Related products:**



**Bellows Suction Cup 1.5 folds Series 91, Ø 110 mm**

Product reference: 91 110-- A



**Crimped Female Fitting 1/2G**

Product reference: 9TG12A