

# Suction cup D50 Chloroprene, 1/8" NPSF female, with mesh filter

Item number: D50.10.05AG

- Suitable for objects with curved or irregular surfaces
- Grips around corners and edges.



Technical data

| Description             | Unit | Value                                           |
|-------------------------|------|-------------------------------------------------|
| Suction cup shape       | -    | Deep                                            |
| Application             | -    | Dry sheet metal, Plastic injection molded parts |
| Suction cup design      | -    | Round                                           |
| Characteristics         | -    | Dry sheet metal, Plastic injection molded parts |
| Material                | -    | Chloroprene (CR)                                |
| Weight, min.            | oz   | 0.63                                            |
| Suction cup model       | -    | D                                               |
| Volume                  | in³  | 0.92                                            |
| Height                  | in   | 1.59                                            |
| Outer diameter, min.    | in   | 2.087                                           |
| Fitting size            | -    | 1/8"                                            |
| Fitting option          | -    | Filter mesh                                     |
| Fitting style           | -    | Female                                          |
| Fitting type            | -    | NPSF-thread                                     |
| Suction cup model       | -    | D50                                             |
| Movement, vertical max. | in   | 0.31                                            |
| Curve radius, min.      | in   | 0.98                                            |

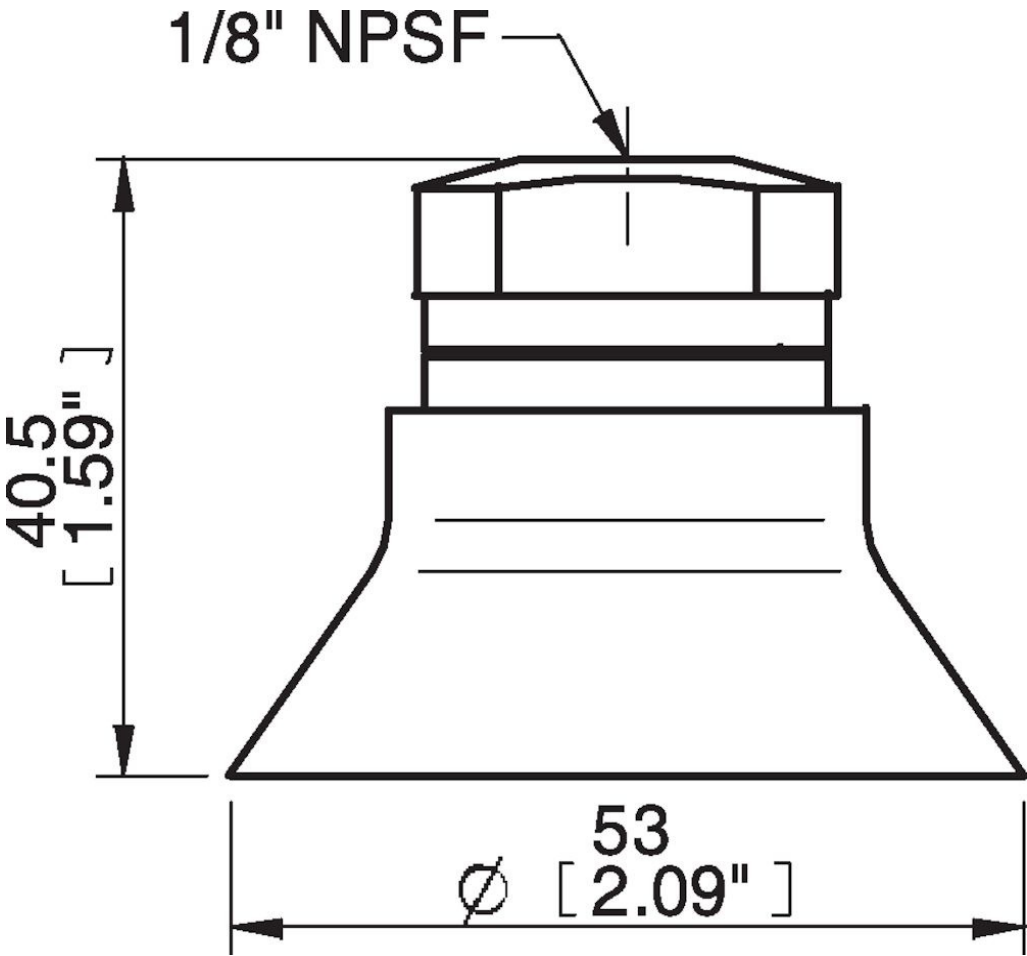
Performance - Lifting forces

| D50         | Vertical (lb) | Parallel (lb) |
|-------------|---------------|---------------|
| 5.91 -inHg  | 8.093         | 6.72          |
| 17.72 -inHg | 17.54         | 9.58          |
| 26.58 -inHg | 22.031        | 10.66         |

| Material               |                              |
|------------------------|------------------------------|
| Name                   | Chloroprene (CR) 50° Shore A |
| Color                  | Black                        |
| Temperature, min.   °F | -40.0                        |
| Temperature max.   °F  | 230.0                        |
| Hardness   °Shore A    | 50                           |

| Material resistance |           |
|---------------------|-----------|
| Alcohol             | Good      |
| Concentrated acids  | Poor      |
| Ethanol             | n/a       |
| Hydrolysis          | Good      |
| Methanol            | n/a       |
| Oil                 | Fair      |
| Oxidation           | Good      |
| Gasoline            | Fair      |
| Wear resistance     | Excellent |
| Weather and ozone   | Good      |

Dimensional drawings



Values specified in this data sheet are tested at (unless otherwise stated):

- Room temperature (20°C [68°F] ± 3°C [5.5°F]).
- Standard atmosphere (101.3 [29.9 inHg] ± 1.0 kPa [0.3 inHg]).
- Relative humidity 20-70%.
- Compressed air quality, DIN ISO 8573-1 class 4.

### **Accessories**

05AF | Fitting 5x1/8" NPSF female, 50  
D50.20 | Suction cup D50 Silicone  
05AI | Fitting G1/8" male, 50, with mesh filter  
05CA | Fitting 1/8" NPSF female, 50, PA  
05AA | Fitting 1/8" NPSF female, 50  
05AD | Fitting G3/8" male, 50, with mesh filter  
05AE | Fitting 3/8" NPT male, with mesh filter  
05AB | Fitting G1/4" male, 50, with mesh filter  
05AC | Fitting 1/4" NPT male, with mesh filter  
05DA | Fitting 1/8" NPSF female, 50, with dual flow control valve  
05DB | Fitting G1/4" male, with dual flow control valve  
05DC | Fitting 1/4" NPT male, with dual flow control valve  
05DD | Fitting G3/8" male, 50, with mesh filter and dual flow control valve  
05DE | Fitting 3/8" NPT male, with dual flow control valve  
05DF | Fitting 5x1/8" NPSF female, 50, with dual flow control valve

### **Spare parts**

D50.10 | Suction cup D50 Chloroprene  
05AG | Fitting 1/8" NPSF female, 50, with mesh filter