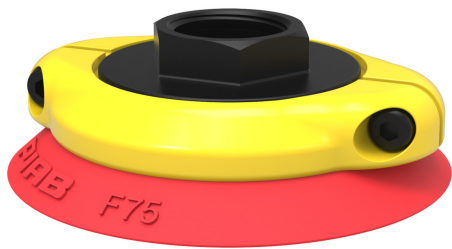


# Suction cup F75 Silicone, G1/2" female, with mesh filter

Item number: F75.20.07NF



- Suitable for flat objects.
- Good stability and little inherent movement.
- Recommended when the lifting force is parallel to the surface of the object.
- Cleats prevent thin, sensitive objects from being deformed and gives extra friction when the lifting force is parallel.

Technical data

| Description              | Unit | Value           |
|--------------------------|------|-----------------|
| Suction cup shape        | -    | Flat            |
| Application              | -    | Dry sheet metal |
| Suction cup design       | -    | Round           |
| Characteristics          | -    | Dry sheet metal |
| Material                 | -    | Silicone (SIL)  |
| Weight, min.             | oz   | 0.81            |
| Suction cup model        | -    | F               |
| Volume                   | in³  | 1.22            |
| Height                   | in   | 1.024           |
| Outer diameter, min.     | in   | 3.031           |
| Outer diameter, actuated | in   | 3.11            |
| Fitting size             | -    | 1/2"            |
| Fitting option           | -    | Filter mesh     |
| Fitting style            | -    | Female          |
| Fitting type             | -    | G-thread        |
| Suction cup model        | -    | F75             |
| Movement, vertical max.  | in   | 0.12            |
| Curve radius, min.       | in   | 5.91            |

Performance - Lifting forces

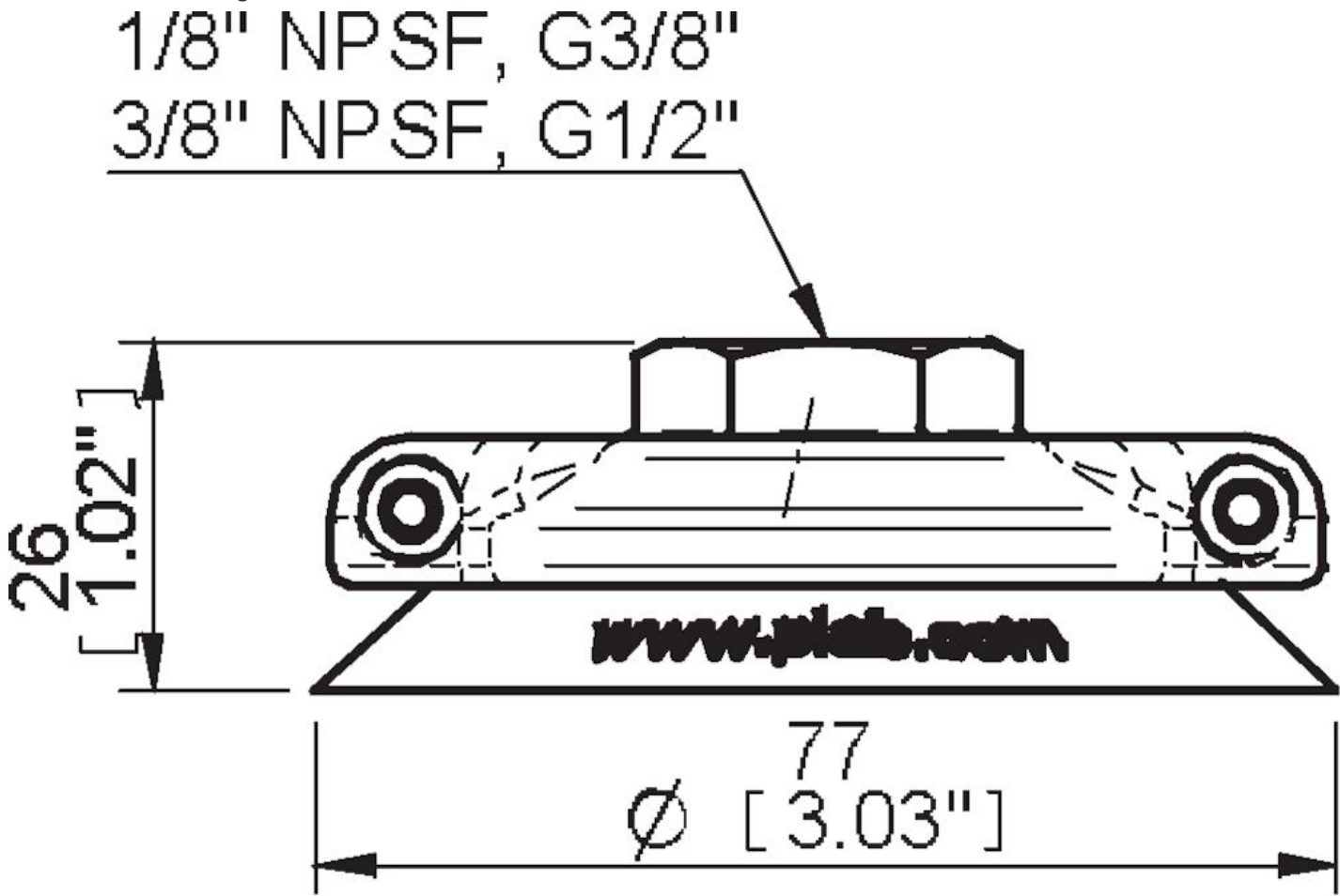
| F75         | Vertical (lb) | Parallel (lb) |
|-------------|---------------|---------------|
| 5.91 -inHg  | 17.98         | 13.49         |
| 17.72 -inHg | 44.96         | 24.73         |
| 26.58 -inHg | 60.70         | 31.47         |

|                        |                           |
|------------------------|---------------------------|
| <b>Material</b>        |                           |
| Name                   | Silicone, SIL 50° Shore A |
| Color                  | Red                       |
| Temperature, min.   °F | -40.0                     |
| Temperature max.   °F  | 392.0                     |
| Hardness   °Shore A    | 50                        |

**Material resistance**

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

**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**

07NA | Fitting 75, 1/8" NPSF female, clamp ring with mesh filter

07ND | Fitting 75, G3/8" female, clamp ring with mesh filter

07VD | Fitting 75, G3/8" female, with cone valve

07NE | Fitting 75, 3/8" NPSF female, with mesh filter

07VF | Fitting 75, G1/2" female, with cone valve

F75.30 | Suction cup F75 Nitrile-PVC

F75.37 | Suction cup F75 HNBR

### **Spare parts**

07NF | Fitting 75, G1/2" female, clamp ring with mesh filter

F75.20 | Suction cup F75 Silicone