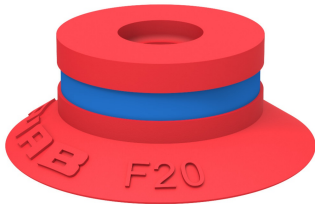


# Suction cup F20 Silicone

Item number: F20.20



- 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   | 0.042           |
| Suction cup model        | -    | F               |
| Volume                   | in³  | 0.061           |
| Height                   | in   | 0.31            |
| Outer diameter, min.     | in   | 0.87            |
| Outer diameter, actuated | in   | 0.91            |
| Fitting size             | -    | None            |
| Fitting option           | -    | None            |
| Fitting style            | -    | None            |
| Fitting type             | -    | None            |
| Suction cup model        | -    | F20             |
| Movement, vertical max.  | in   | 0.047           |
| Curve radius, min.       | in   | 0.71            |

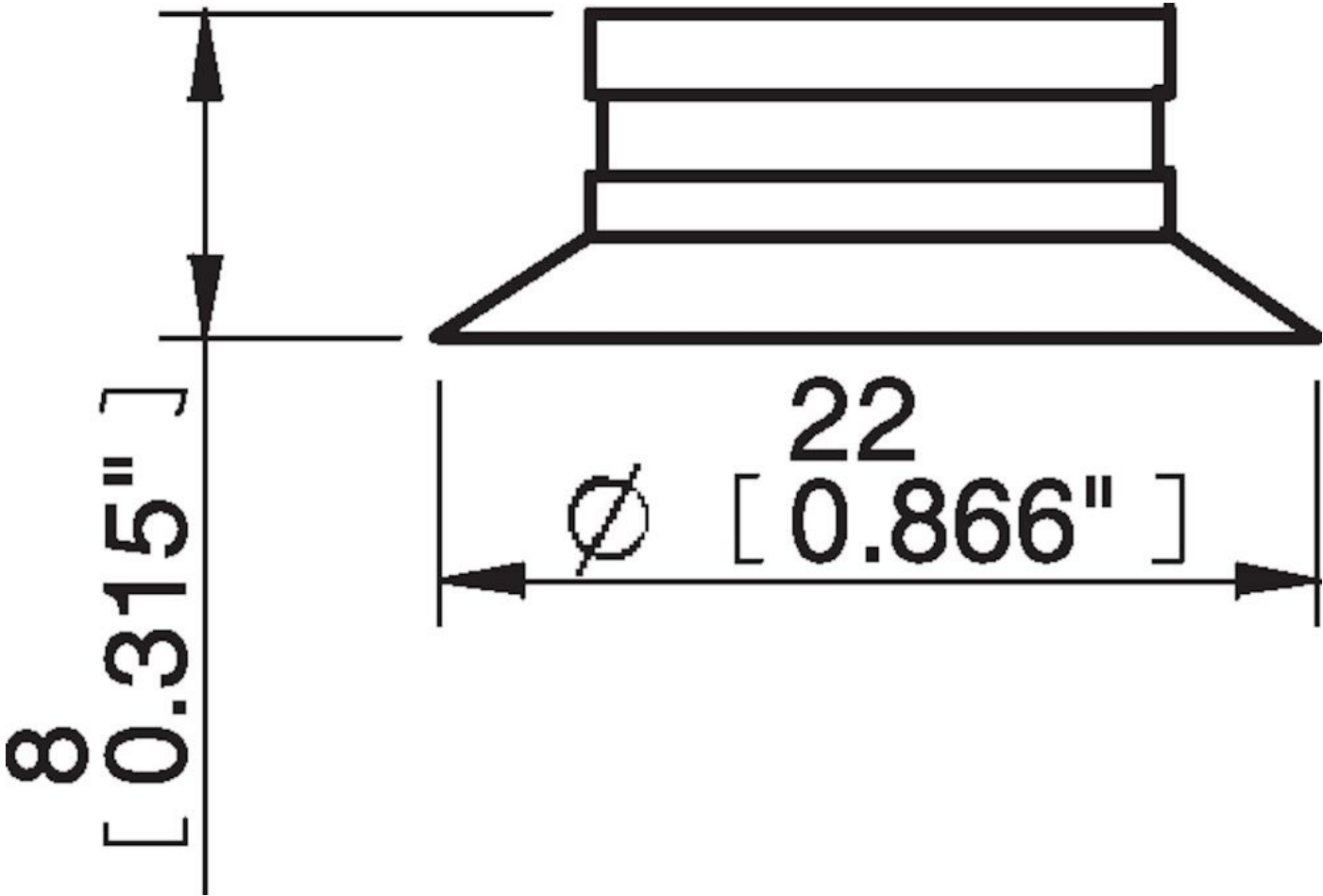
Performance - Lifting forces

| F20         | Vertical (lb) | Parallel (lb) |
|-------------|---------------|---------------|
| 5.91 -inHg  | 1.35          | 1.12          |
| 17.72 -inHg | 3.26          | 1.80          |
| 26.58 -inHg | 4.27          | 1.91          |

| Material               |                           |
|------------------------|---------------------------|
| 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

02AE | Fitting 5xM5 female

02AF | Fitting G1/8" male/M5 female, with mesh filter

02CD | Fitting G1/8" male/M5 female, PA

02AA | Fitting M5 female

02AD | Fitting G1/8" male/M5 female

02AB | Fitting G1/8" male, with mesh filter

02AC | Fitting 1/8" NPT male, with mesh filter

02DA | Fitting M5 female, with dual flow control valve

02DC | Fitting 1/8" NPT male, with dual flow control valve

02DD | Fitting G1/8" male/M5 female, with dual flow control valve

02DE | Fitting 5xM5 female, with dual flow control valve