

Suction cup B30MF Thermoelastic polyurethane, 1/8" NPSF female

Item number: B30MF.40.04AA



- Suction cup of TPU, a mark free material that leaves no trace on the object being handled.
- Suitable for level adjustment.
- Lifting movement to separate small and thin objects.
- Only lightweight objects should be handled when the lifting force is parallel to the surface.

Technical data

| Description | Unit | Value |
|-------------------------|------|-------------|
| Suction cup shape | - | Bellows |
| Application | - | Mark Free |
| Suction cup design | - | Round |
| Characteristics | - | Mark free |
| Material | - | TPE |
| Weight, min. | oz | 0.25 |
| Suction cup model | - | B-MF |
| Volume | in³ | 0.61 |
| Height | in | 1.34 |
| Outer diameter, min. | in | 1.34 |
| Fitting size | - | 1/8" |
| Fitting option | - | None |
| Fitting style | - | Female |
| Fitting type | - | NPSF-thread |
| Suction cup model | - | B30MF |
| Movement, vertical max. | in | 0.49 |
| Curve radius, min. | in | 0.65 |

Performance - Lifting forces

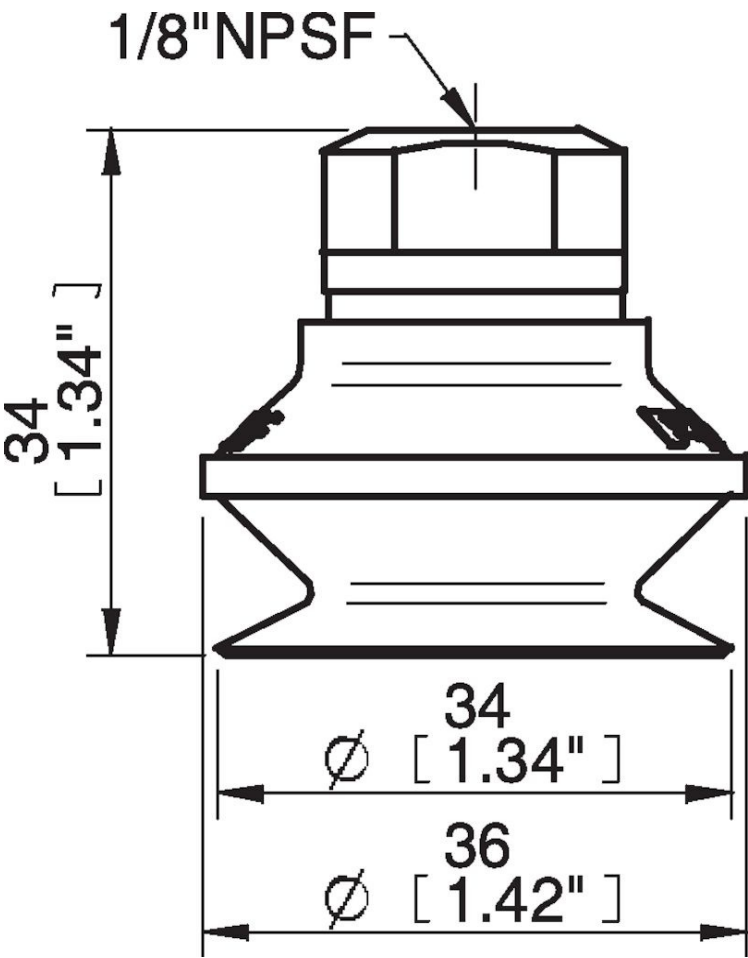
| B30MF | Vertical (lb) | Parallel (lb) |
|-------------|---------------|---------------|
| 5.91 -inHg | 2.70 | 3.26 |
| 17.72 -inHg | 8.99 | 7.19 |
| 26.58 -inHg | 12.25 | 9.22 |

| Material | |
|------------------------|------------------------------------|
| Name | Thermoplastic Polyurethane (TPE-U) |
| Color | White transparent |
| Temperature, min. °F | -4.0 |
| Temperature max. °F | 176.0 |
| Hardness °Shore A | 81 |

Material resistance

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

04AF | Fitting 5x1/8" NPSF female, 30–40
04AG | Fitting 1/8" NPSF female, 30–40, with mesh filter
04AD | Fitting G3/8" male, 30–40, with mesh filter
04AE | Fitting 3/8" NPT male, with mesh filter
04AB | Fitting G1/4" male, 30–40, with mesh filter
04AC | Fitting 1/4" NPT male, with mesh filter
04DA | Fitting 1/8" NPSF female, 30–40, with dual flow control valve
04DB | Fitting G1/4" male, 30–40, with dual flow control valve
04DC | Fitting 1/4" NPT male, with dual flow control valve
04DD | Fitting G3/8" male, 30–40, with dual flow control valve
04DE | Fitting 3/8" NPT male, with dual flow control valve
04DF | Fitting 5x1/8" NPSF female, 30–40, with dual flow control valve

Spare parts

B30MF.40 | Suction cup B30MF Thermoelastic polyurethane
04AA | Fitting 1/8" NPSF female, 30–40