

# Suction cup B-BL30-2 Silicone, G3/8" male SS detectable, FCM

Item number: BBL30-2.DS40.G38MSS.00



Technical data

| Description              | Unit  | Value                                         |
|--------------------------|-------|-----------------------------------------------|
| Suction cup shape        | -     | Multibellows                                  |
| Application              | -     | Food contact materials (FDA & EU), detectable |
| Suction cup design       | -     | Round                                         |
| Characteristics          | -     | Food contact materials (FDA & EU), detectable |
| Material                 | -     | Silicone (SIL)                                |
| Load, torque, max.       | lb ft | 9.59                                          |
| Weight, min.             | oz    | 1.81                                          |
| Suction cup model        | -     | B-BL                                          |
| Volume                   | in³   | 0.67                                          |
| Height                   | in    | 1.38                                          |
| Outer diameter, min.     | in    | 1.18                                          |
| Outer diameter, actuated | in    | 1.20                                          |
| Fitting size             | -     | 3/8"                                          |
| Fitting option           | -     | None                                          |
| Fitting style            | -     | Male                                          |
| Fitting type             | -     | G-thread                                      |
| Fitting material         | -     | ASTM 316L                                     |
| Suction cup model        | -     | B-BL30-2 FCM, detectable                      |
| Movement, vertical max.  | in    | 0.66                                          |
| Curve radius, min.       | in    | 0.43                                          |

Performance - Lifting forces

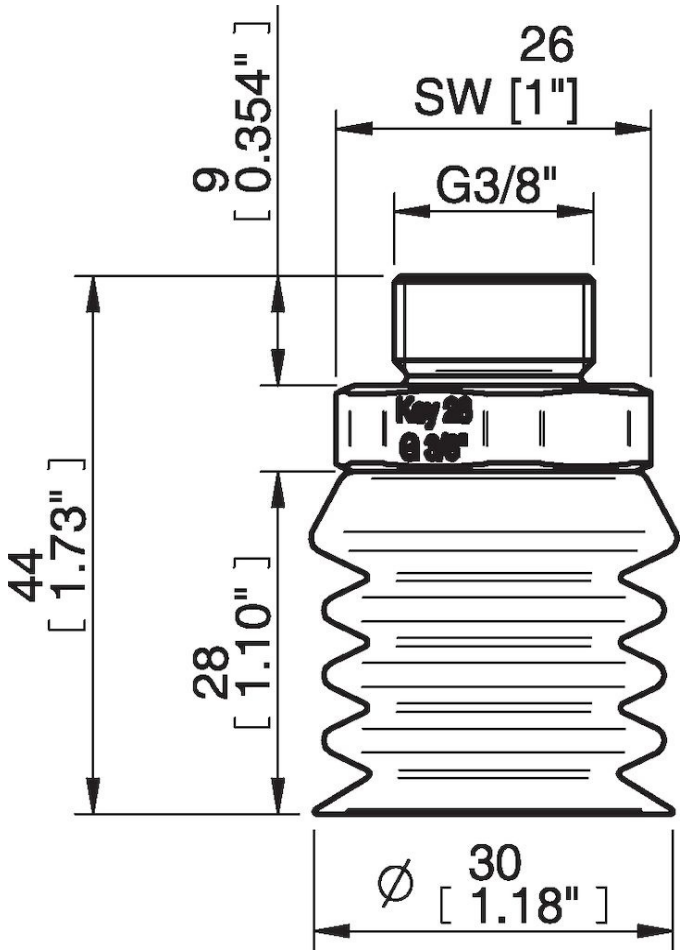
| B-BL30-2 FCM, detectable | Vertical (lb) | Parallel (lb) |
|--------------------------|---------------|---------------|
| 2.95 -inHg               | 0.99          | 0.67          |
| 5.91 -inHg               | 1.66          | 0.99          |
| 11.81 -inHg              | 2.77          | 1.87          |

| Material               |                               |
|------------------------|-------------------------------|
| Name                   | Silicone (SIL detectable FCM) |
| Color                  | Blue                          |
| Temperature, min.   °F | -40.0                         |
| Temperature max.   °F  | 392.0                         |
| Hardness   °Shore A    | 40                            |

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**

01.21.660 | Retainer clip B-BL40-2, detectable  
02.07.181 | Fitting G3/8" Male, SS, B-BL  
02.07.182 | Fitting 3/8" NPT Male, SS, B-BL  
02.07.183 | Fitting G1/2" Male, SS, B-BL  
02.07.184 | Fitting 1/2" NPT Male, SS, B-BL  
02.07.190 | Fitting G3/8" Male, composite, B-BL  
02.07.191 | Fitting 3/8" NPT Male, composite, B-BL  
02.07.192 | Fitting G1/2" Male, composite, B-BL  
02.07.193 | Fitting 1/2" NPT Male, composite, B-BL

**Spare parts**

BBL30-2.DS40 | Suction cup B-BL30-2 Silicone, detectable, FCM  
02.07.181 | Fitting G3/8" Male, SS, B-BL