

## Suction cup BL40-3P Polyurethane 30/70, 3/8" NPT male

Item number: BL40-3P.4L.04AL



- High-flow fitting allowing high initial vacuum flow needed for plastic bag handling.
- Suitable for level adjustment and uneven surfaces.
- Dual hardness allowing strength and stability in conjunction with softness and flexibility.
- DURAFLEX® material features the elasticity of rubber in combination with the wear resistance of polyurethane.
- The DURAFLEX® material is mark-free.

### Technical data

| Description             | Unit            | Value             |
|-------------------------|-----------------|-------------------|
| Suction cup shape       | -               | Multibellows      |
| Application             | -               | Bag handling      |
| Suction cup design      | -               | Round             |
| Characteristics         | -               | Bag handling      |
| Material                | -               | Polyurethane (PU) |
| Weight, min.            | oz              | 0.42              |
| Suction cup model       | -               | BL-3-P            |
| Volume                  | in <sup>3</sup> | 1.65              |
| Height                  | in              | 2.36              |
| Outer diameter, min.    | in              | 1.57              |
| Fitting size            | -               | 3/8"              |
| Fitting option          | -               | None              |
| Fitting style           | -               | Male              |
| Fitting type            | -               | NPT-thread        |
| Suction cup model       | -               | BL40-3P           |
| Movement, vertical max. | in              | 0.83              |
| Curve radius, min.      | in              | 0.51              |

### Performance - Lifting forces

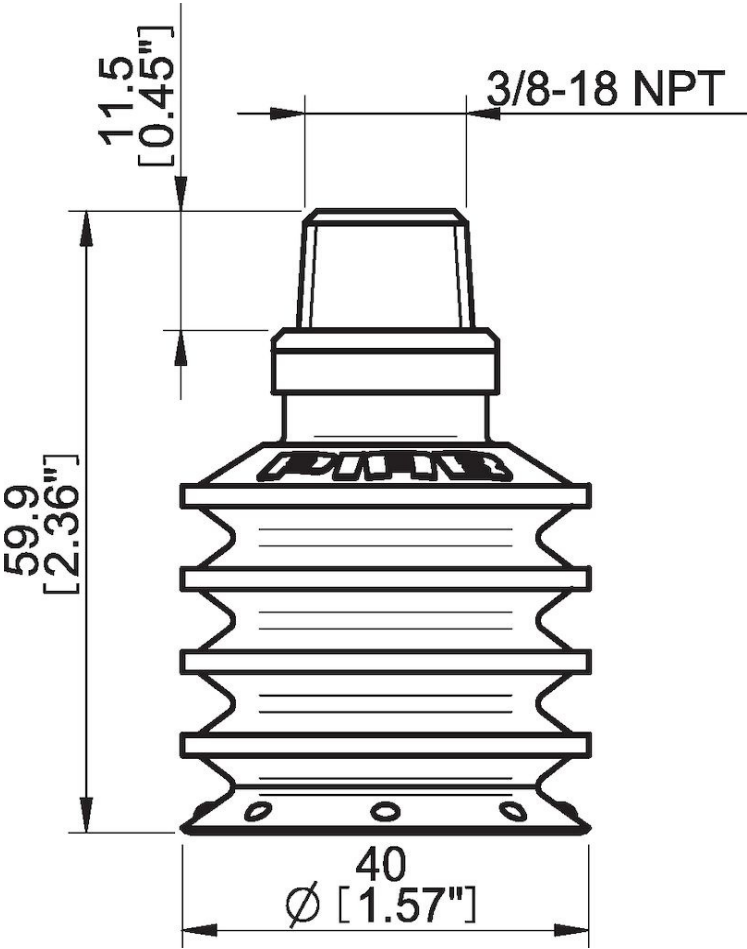
| BL40-3P     | Vertical (lb) | Parallel (lb) |
|-------------|---------------|---------------|
| 5.91 -inHg  | 4.50          | 2.92          |
| 17.72 -inHg | 9.67          | 5.40          |
| 26.58 -inHg | 12.36         | 8.093         |

| Material               |                     |                     |
|------------------------|---------------------|---------------------|
| Name                   | Polyurethane (PU30) | Polyurethane (PU70) |
| Color                  | Yellow              | Black               |
| Temperature, min.   °F | 50.0                | 50.0                |
| Temperature max.   °F  | 122.0               | 122.0               |
| Hardness   °Shore A    | 30                  | 70                  |

Material resistance

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

04AJ | Fitting G3/8" male, bag

**Spare parts**

BL40-3P.4L | Suction cup BL40-3P Polyurethane 30/70

04AL | Fitting 3/8" NPT male, bag