

Datasheet

Suction cup OB50x140P Polyurethane 30/60, brass 3/8" NPSF female

Item number: OB50X140P.5K.N40W



- Suitable for level adjustment. Can handle objects with height differences and varying shapes, for example embossed or corrugated plates.
- Lifting movement to separate small and thin objects.
- 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 | - | Bellows |
| Application | - | Corrugated cardboard/Paperboard |
| Suction cup design | - | Oval |
| Characteristics | - | Corrugated / cardboard |
| Material | - | Polyurethane (PU) |
| Weight, min. | oz | 4.55 |
| Suction cup model | - | OB |
| Volume | in ³ | 5.80 |
| Height | in | 1.87 |
| Length | in | 5.75 |
| Outer diameter, min. | in | 5.75 |
| Fitting size | - | 3/8" |
| Fitting option | - | None |
| Fitting style | - | Female |
| Fitting type | - | NPSF-thread |
| Width | in | 2.32 |
| Suction cup model | - | OB50x140P PU30 PU60 |
| Movement, vertical max. | in | 0.44 |
| Curve radius, min. | in | 0.91 |

Performance - Lifting forces

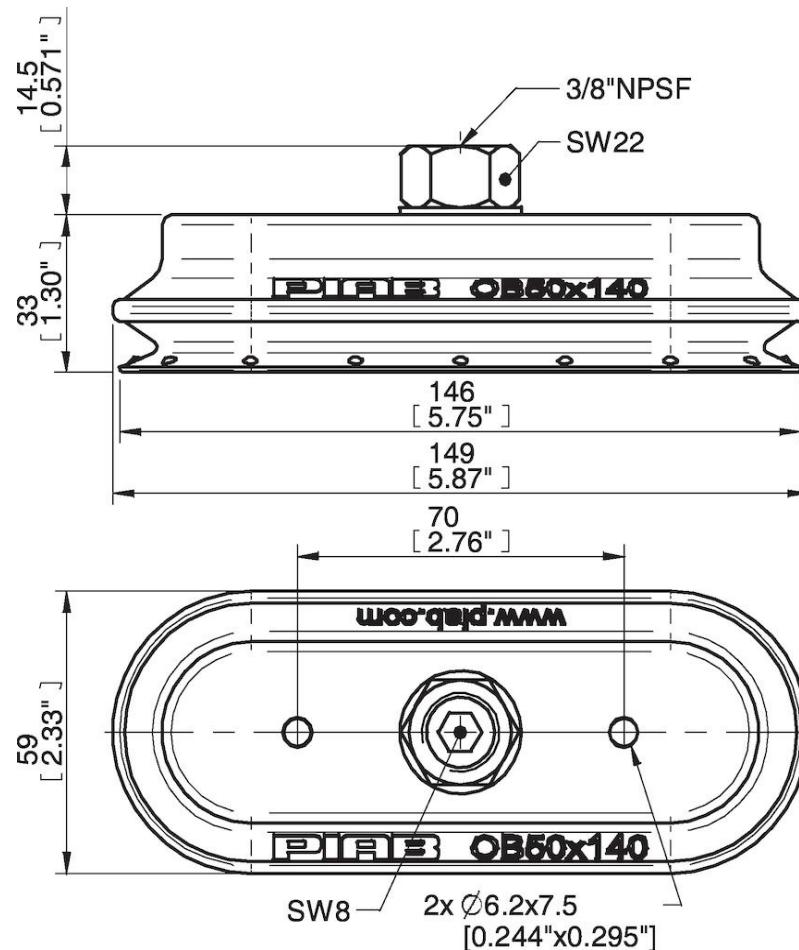
| OB50x140P PU30 PU60 | Vertical (lb) | Parallel (lb) |
|---------------------|---------------|---------------|
| 5.91 -inHg | 13.039 | 24.73 |
| 17.72 -inHg | 52.83 | 58.45 |
| 26.58 -inHg | 82.28 | 78.46 |

| Material | | |
|------------------------|---------------------|---------------------|
| Name | Polyurethane (PU30) | Polyurethane (PU60) |
| Color | Yellow | Green transparent |
| Temperature, min. °F | 50.0 | 50.0 |
| Temperature max. °F | 122.0 | 122.0 |
| Hardness °Shore A | 30 | 60 |

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

OB50X140P.5E | Suction cup OB50x140P Polyurethane 60 with collar for Vacuum Gripper System (VGS)

Spare parts

OB50X140P.5K | Suction cup OB50x140P Polyurethane 30/60 with collar for Vacuum Gripper System (VGS)