

Datasheet

XLF200 Extra Large Flat cup, G1/2" female

Item number: XLF200.30.63UA



- Suitable for handling large and heavy sheets, such as glass and metal, with a flat or slightly concave surface.
- Friction pattern increases safety and capability to handle tilted or standing glass/metal sheets.
- Double lip design increases safety against over-load or tear on the outer lip.
- Durable and abrasive resistant material reduces the risk for marks.
- Flat mounting plate facilitates customized mounting interfaces.
- Auxiliary port, suitable for vacuum sensing or efficient blow-off/release.

Technical data

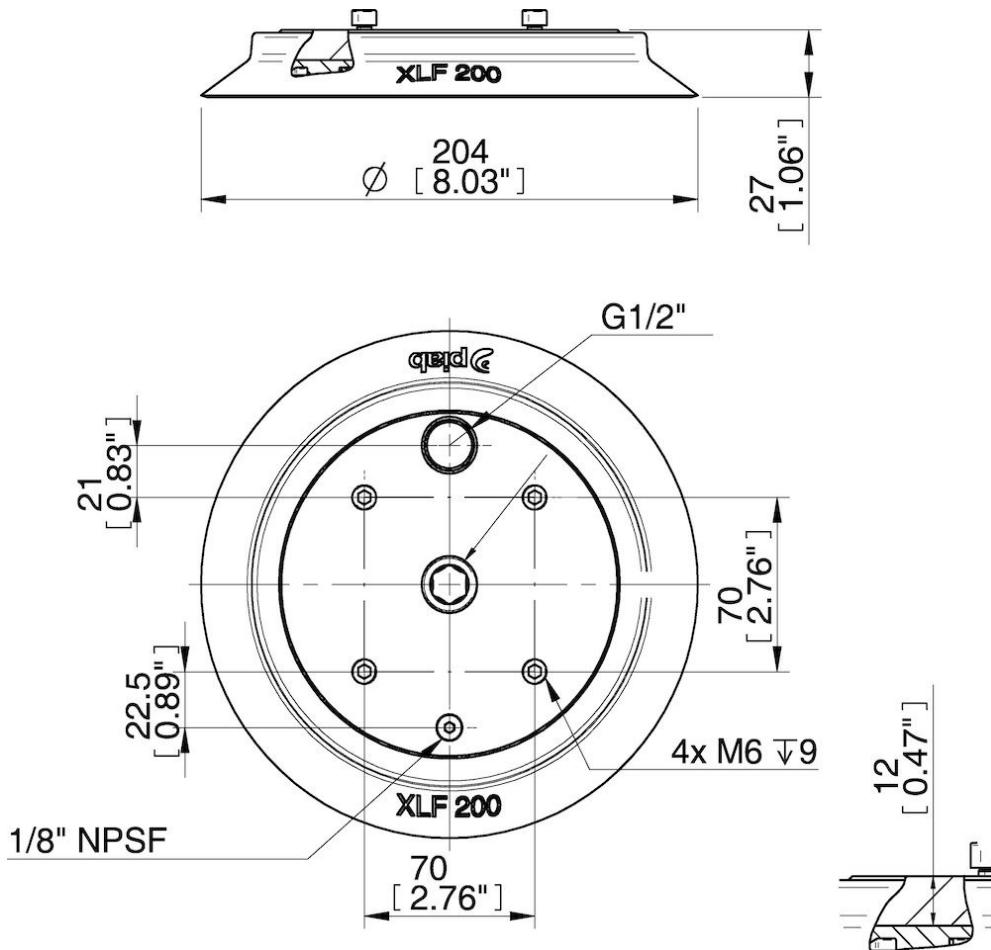
| Description | Unit | Value |
|--------------------------|-----------------|--|
| Suction cup shape | - | Flat |
| Application | - | Dry sheet metal, Glass handling, Mark Free |
| Suction cup design | - | Round |
| Characteristics | - | Dry sheet metal, Glass handling, Mark free |
| Material | - | Nitrile-PVC (NPV) |
| Weight, min. | oz | 49.50 |
| Suction cup model | - | XLF |
| Volume | in ³ | 16.78 |
| Height | in | 1.063 |
| Outer diameter, min. | in | 8.031 |
| Outer diameter, actuated | in | 8.23 |
| Fitting size | - | 1/2" |
| Fitting option | - | None |
| Fitting style | - | Female |
| Fitting type | - | G-thread |
| Suction cup model | - | XLF200 Inner lip |
| Movement, vertical max. | in | 0.31 |
| Curve radius, min. | in | 31.50 |
| Suction cup model | - | XLF200 Outer lip |
| Movement, vertical max. | in | 0.31 |
| Curve radius, min. | in | 31.50 |

Performance - Lifting forces

| | Vertical (lb) | Parallel (lb) |
|------------------|---------------|---------------|
| XLF200 Inner lip | | |
| 11.81 -inHg | 175.35 | 149.049 |
| 17.72 -inHg | 262.13 | 222.79 |
| 26.58 -inHg | 386.00 | 328.00 |
| XLF200 Outer lip | | |
| 11.81 -inHg | 244.82 | 208.17 |
| 17.72 -inHg | 353.63 | 300.57 |
| 26.58 -inHg | 502.90 | 427.36 |

| | |
|----------------------------|-------------------|
| Material | |
| Name | Nitrile-PVC (NPV) |
| Color | Black |
| Temperature, min. °F | 32.0 |
| Temperature max. °F | 194.0 |
| Hardness °Shore A | 60 |
| Material resistance | |
| Alcohol | Good |
| Concentrated acids | Fair |
| Ethanol | n/a |
| Hydrolysis | Good |
| Methanol | n/a |
| Oil | Excellent |
| Oxidation | Good |
| Gasoline | Excellent |
| Wear resistance | Excellent |
| Weather and ozone | Good |

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.