

# Datasheet

## XLF250 Extra Large Flat cup, G1/2" female

Item number: XLF250.30.63UA



- 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

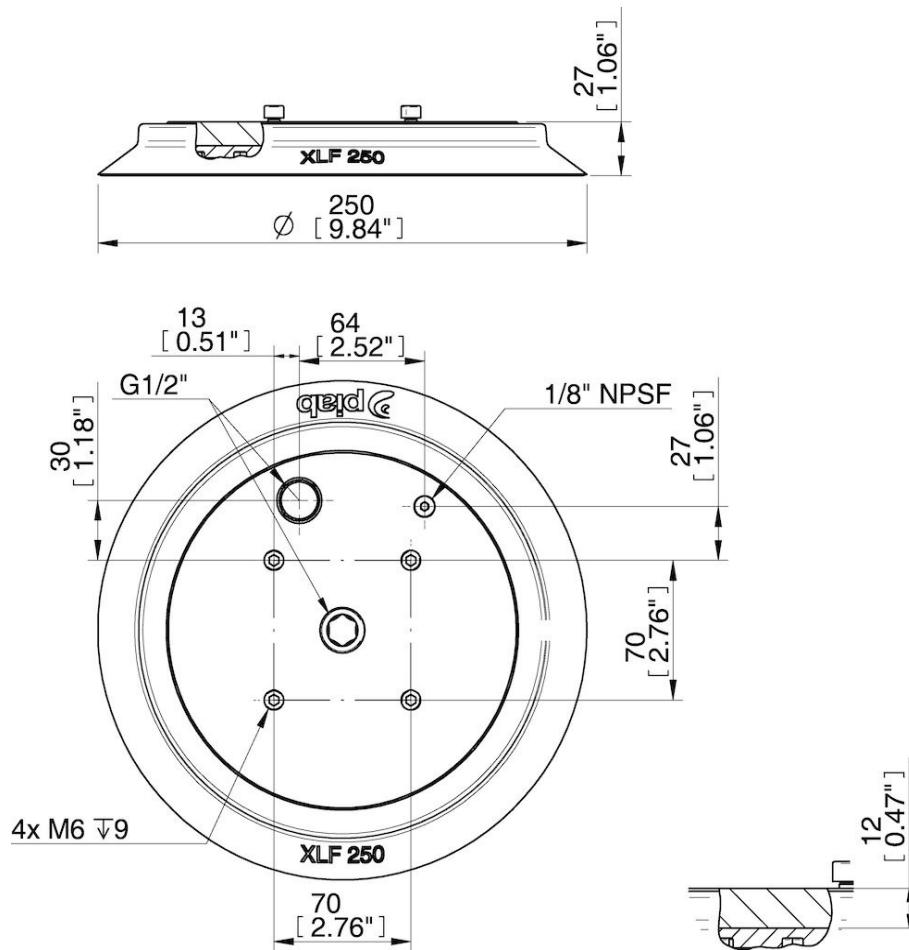
Description	Unit	Value
Suction cup shape	-	Flat
Application	-	Dry sheet metal, Glass handling, Mark Free
Suction cup design	-	Round
Characteristics	-	Dry sheet metal, Glass handling, Mark free
Material	-	Nitrile-PVC (NPV)
Weight, min.	oz	80.0000
Suction cup model	-	XLF
Volume	in <sup>3</sup>	26.54
Height	in	1.063
Outer diameter, min.	in	9.84
Outer diameter, actuated	in	10.059
Fitting size	-	1/2"
Fitting option	-	None
Fitting style	-	Female
Fitting type	-	G-thread
Suction cup model	-	XLF250 Inner lip
Movement, vertical max.	in	0.31
Curve radius, min.	in	51.18
Suction cup model	-	XLF250 Outer lip
Movement, vertical max.	in	0.31
Curve radius, min.	in	51.18

### Performance - Lifting forces

	Vertical (lb)	Parallel (lb)
XLF250 Inner lip		
11.81 -inHg	296.52	252.012
17.72 -inHg	437.71	372.061
26.58 -inHg	648.13	550.78
XLF250 Outer lip		
11.81 -inHg	386.45	328.45
17.72 -inHg	551.0093	468.28
26.58 -inHg	789.31	670.83

Name	Nitrile-PVC (NPV)
Color	Black
Temperature, min.   °F	32.0
Temperature max.   °F	194.0
Hardness   °Shore A	60
<b>Material resistance</b>	
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.