

# Datasheet

## XLF300 Extra Large Flat cup, G1/2" female

Item number: XLF300.30.64UA



- 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	127.19
Suction cup model	-	XLF
Volume	in <sup>3</sup>	40.64
Height	in	1.063
Outer diameter, min.	in	11.97
Outer diameter, actuated	in	12.18
Fitting size	-	1/2"
Fitting option	-	None
Fitting style	-	Female
Fitting type	-	G-thread
Suction cup model	-	XLF300 Inner lip
Movement, vertical max.	in	0.31
Curve radius, min.	in	74.80
Suction cup model	-	XLF300 Outer lip
Movement, vertical max.	in	0.31
Curve radius, min.	in	74.80

### Performance - Lifting forces

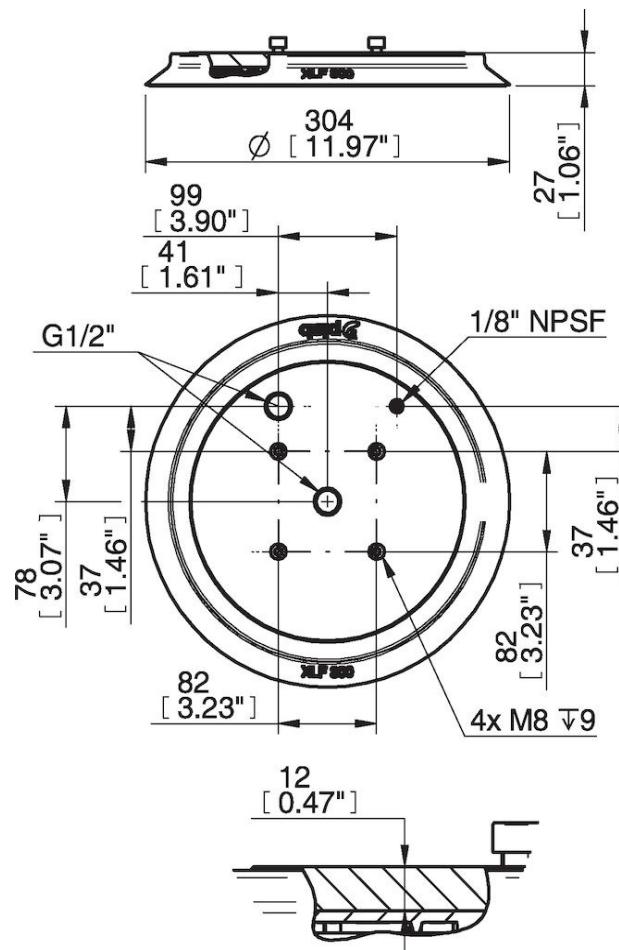
	Vertical (lb)	Parallel (lb)
XLF300 Inner lip		
11.81 -inHg	463.11	393.64
17.72 -inHg	691.97	588.10
26.58 -inHg	1009.85	877.43
XLF300 Outer lip		
11.81 -inHg	591.92	503.12
17.72 -inHg	843.49	716.92
26.58 -inHg	1219.14	1036.15

<b>Material</b>	
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.