

Datasheet

XLF150 Extra Large Flat cup, G1/2" female

Item number: XLF150.30.62UA



- 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	12.77
Suction cup model	-	XLF
Volume	in ³	8.85
Height	in	1.063
Outer diameter, min.	in	6.024
Outer diameter, actuated	in	6.21
Fitting size	-	1/2"
Fitting option	-	None
Fitting style	-	Female
Fitting type	-	G-thread
Suction cup model	-	XLF150 Inner lip
Movement, vertical max.	in	0.31
Curve radius, min.	in	19.68
Suction cup model	-	XLF150 Outer lip
Movement, vertical max.	in	0.31
Curve radius, min.	in	19.68

Performance - Lifting forces

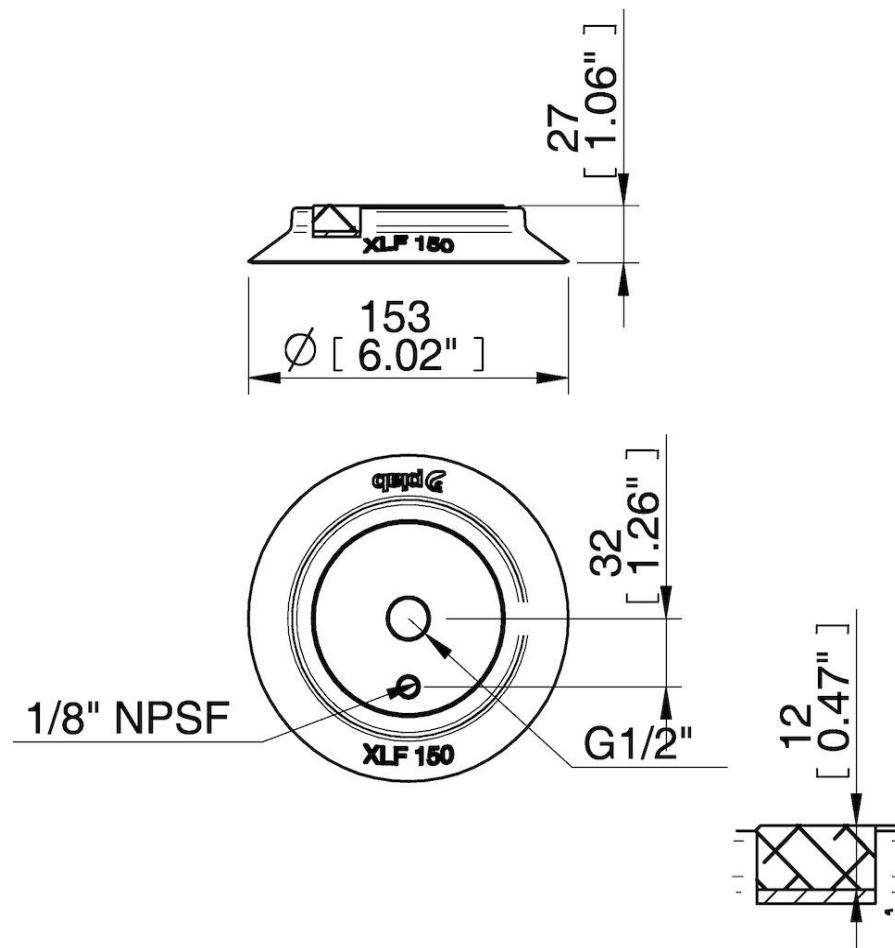
XLF150 Inner lip	Vertical (lb)	Parallel (lb)
11.81 -inHg	76.66	65.19
17.72 -inHg	114.65	97.34
26.58 -inHg	172.43	146.58
XLF150 Outer lip		
11.81 -inHg	125.89	107.0096
17.72 -inHg	182.77	155.34
26.58 -inHg	258.082	219.41

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.