

# Datasheet

## Suction cup F150 Silicone, G1/2" female, clamp ring with mesh filter

Item number: F150.20.15NA



- Suitable for flat objects.
- Good stability and little inherent movement.
- Recommended when the lifting force is parallel to the surface of the object.
- Cleats prevent thin, sensitive objects from being deformed and gives extra friction when the lifting force is parallel.

### Technical data

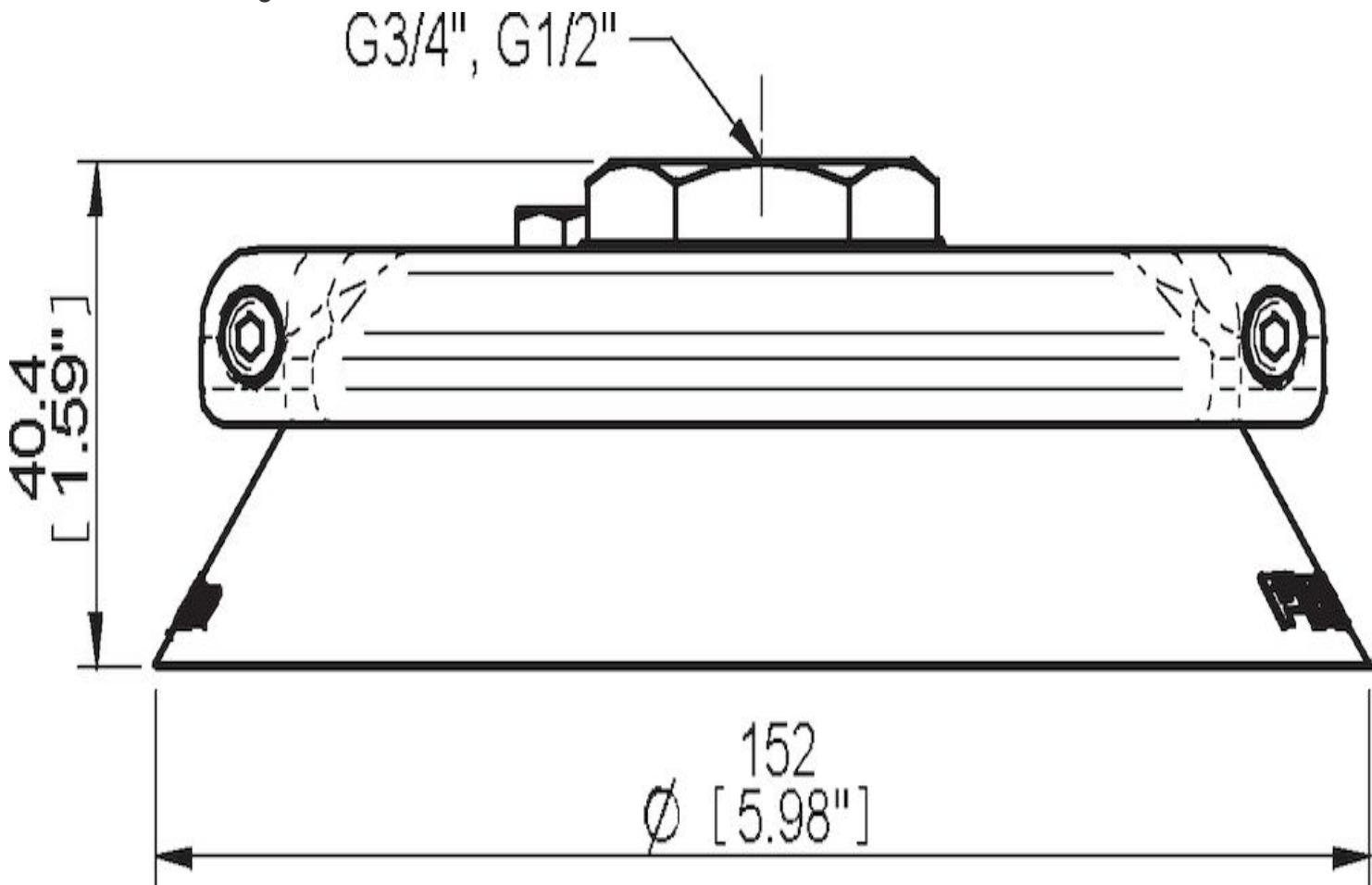
Description	Unit	Value
Suction cup shape	-	Flat
Application	-	Dry sheet metal
Suction cup design	-	Round
Characteristics	-	Dry sheet metal
Material	-	Silicone (SIL)
Weight, min.	oz	7.054
Suction cup model	-	F
Volume	in <sup>3</sup>	9.76
Height	in	1.59
Outer diameter, min.	in	5.98
Outer diameter, actuated	in	6.18
Fitting size	-	1/2"
Fitting option	-	Filter mesh
Fitting style	-	Female
Fitting type	-	G-thread
Suction cup model	-	F150
Movement, vertical max.	in	0.24
Curve radius, min.	in	19.68

### Performance - Lifting forces

F150	Vertical (lb)	Parallel (lb)
5.91 -inHg	67.44	56.20
17.72 -inHg	191.088	134.89
26.58 -inHg	247.29	179.85

<b>Material</b>	
Name	Silicone, SIL 50° Shore A
Color	Red
Temperature, min.   °F	-40.0
Temperature max.   °F	392.0
Hardness   °Shore A	50
<b>Material resistance</b>	
Alcohol	Good
Concentrated acids	Poor
Ethanol	n/a
Hydrolysis	Fair
Methanol	n/a
Oil	Poor
Oxidation	Excellent
Gasoline	Poor
Wear resistance	Good
Weather and ozone	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

15VA | Fitting 150, G1/2" female, clamp ring with cone valve  
15NB | Fitting 150, G3/4" female, with mesh filter  
F150.30.W | Suction cup F150 Nitrile-PVC with washer  
F150.20.W | Suction cup F150 Silicone with washer  
F150.30 | Suction cup F150 Nitrile-PVC  
15UA | Fitting G1/2" female AI, with mesh filter

## Spare parts

15NA | Fitting 150, G1/2" female, with mesh filter  
F150.20 | Suction cup F150 Silicone