

Datasheet

Suction cup FC150P Polyurethane 60, 3/8" NPSF female, with mesh filter

Item number: FC150P.4E.11NB



- Suitable for slightly domed and flat and oily surfaces, e.g., such as those encountered when handling steel sheets in press processes.
- Thanks to the high friction of the rubber material, the suction cups can withstand high forces at rapid accelerations in horizontal directions, even on oily surfaces.
- The suction cups have cleats that prevent thin objects from being disfigured.
- DURAFLEX® material features the elasticity of rubber in combination with the wear resistance of polyurethane.
- The DURAFLEX® material is mark-free.

Technical data

Description	Unit	Value
Suction cup shape	-	Flat Concave
Application	-	Dry sheet metal, Mark Free
Suction cup design	-	Round
Characteristics	-	Dry sheet metal, Mark free
Material	-	Polyurethane (PU)
Weight, min.	oz	7.51
Suction cup model	-	FC
Volume	in³	15.26
Height	in	2.22
Outer diameter, min.	in	5.91
Fitting size	-	3/8"
Fitting option	-	Filter mesh
Fitting style	-	Female
Fitting type	-	NPSF-thread
Suction cup model	-	FC150P PU60
Movement, vertical max.	in	0.56
Curve radius, min.	in	6.50

Performance - Lifting forces

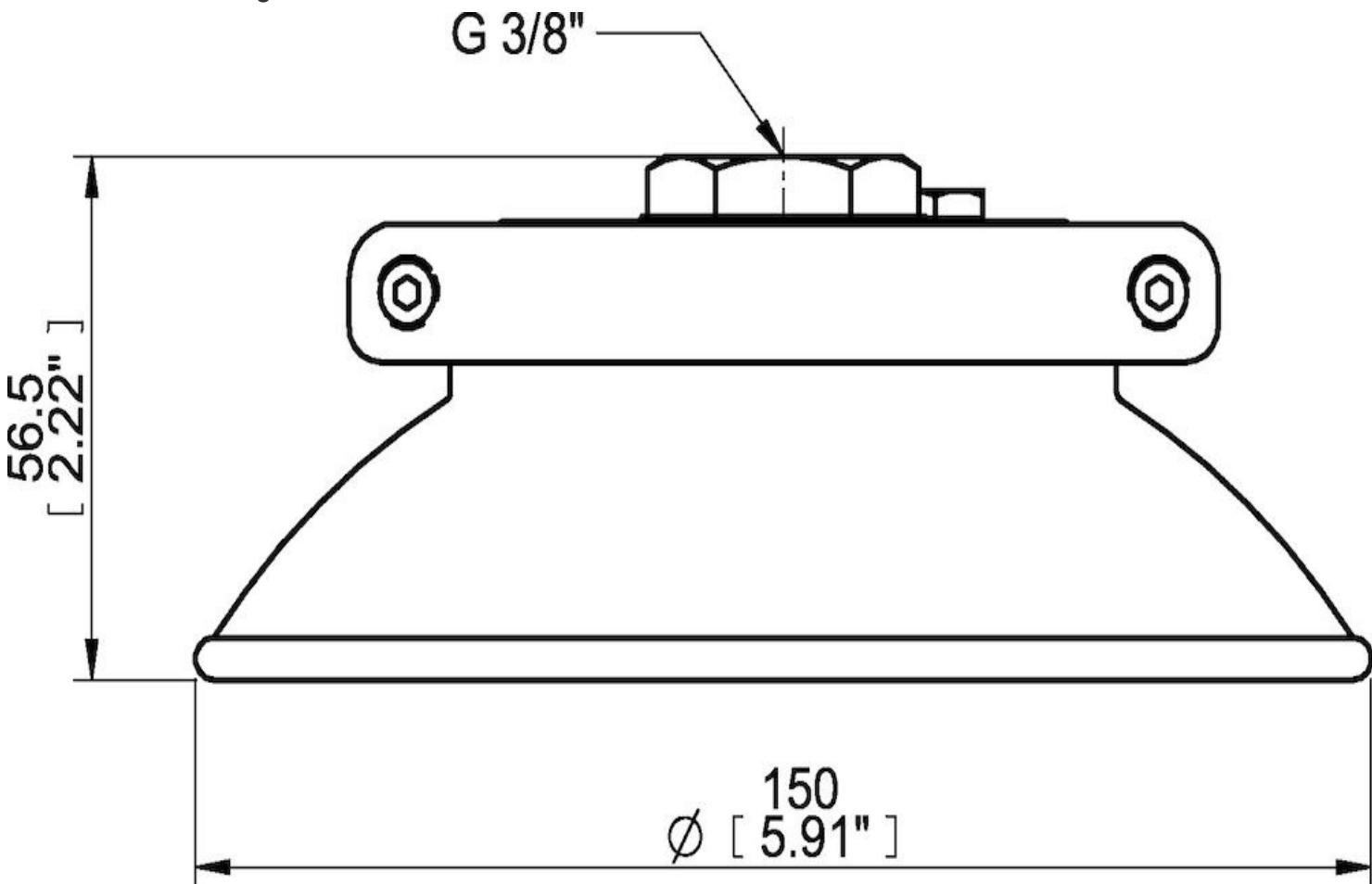
FC150P PU60	Vertical (lb)	Parallel (lb)
5.91 -inHg	63.85	48.33
17.72 -inHg	160.96	127.69
26.58 -inHg	209.52	194.011

Material	
Name	Polyurethane (PU60)
Color	Green transparent
Temperature, min. °F	50.0
Temperature max. °F	122.0
Hardness °Shore A	60

Material resistance

Alcohol	n/a
Concentrated acids	Fair
Ethanol	Fair
Hydrolysis	Fair
Methanol	Poor
Oil	Excellent
Oxidation	Poor
Gasoline	Fair
Wear resistance	Excellent
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

11NA | Fitting 110 G3/8" female, clamp ring with mesh filter
 11NC | Fitting 110 G1/2" female, clamp ring with mesh filter

Spare parts

11NB | Fitting 110, 3/8" NPSF female, with mesh filter

FC150P.4E | Suction cup FC150P Polyurethane 60