

Datasheet

Suction cup F110P Polyurethane 60, G3/8" female, with mesh filter

Item number: F110P.4E.11NA



- Suitable for flat and rough surfaces.
- Fair stability and little inherent movement.
- Recommended when the lifting force is parallel to the surface of the object.
- Dual hardness allowing strength and stability in conjunction with softness and flexibility.
- 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
Application	-	Dry sheet metal, Mark Free
Suction cup design	-	Round
Characteristics	-	Dry sheet metal, Mark free
Material	-	Polyurethane (PU)
Weight, min.	oz	4.69
Suction cup model	-	F
Volume	in ³	3.66
Height	in	1.42
Outer diameter, min.	in	4.53
Outer diameter, actuated	in	4.71
Fitting size	-	3/8"
Fitting option	-	Filter mesh
Fitting style	-	Female
Fitting type	-	G-thread
Suction cup model	-	F110P PU60
Movement, vertical max.	in	0.16
Curve radius, min.	in	9.84

Performance - Lifting forces

F110P PU60	Vertical (lb)	Parallel (lb)
5.91 -inHg	42.94	66.77
17.72 -inHg	111.96	117.58
26.58 -inHg	158.49	149.27

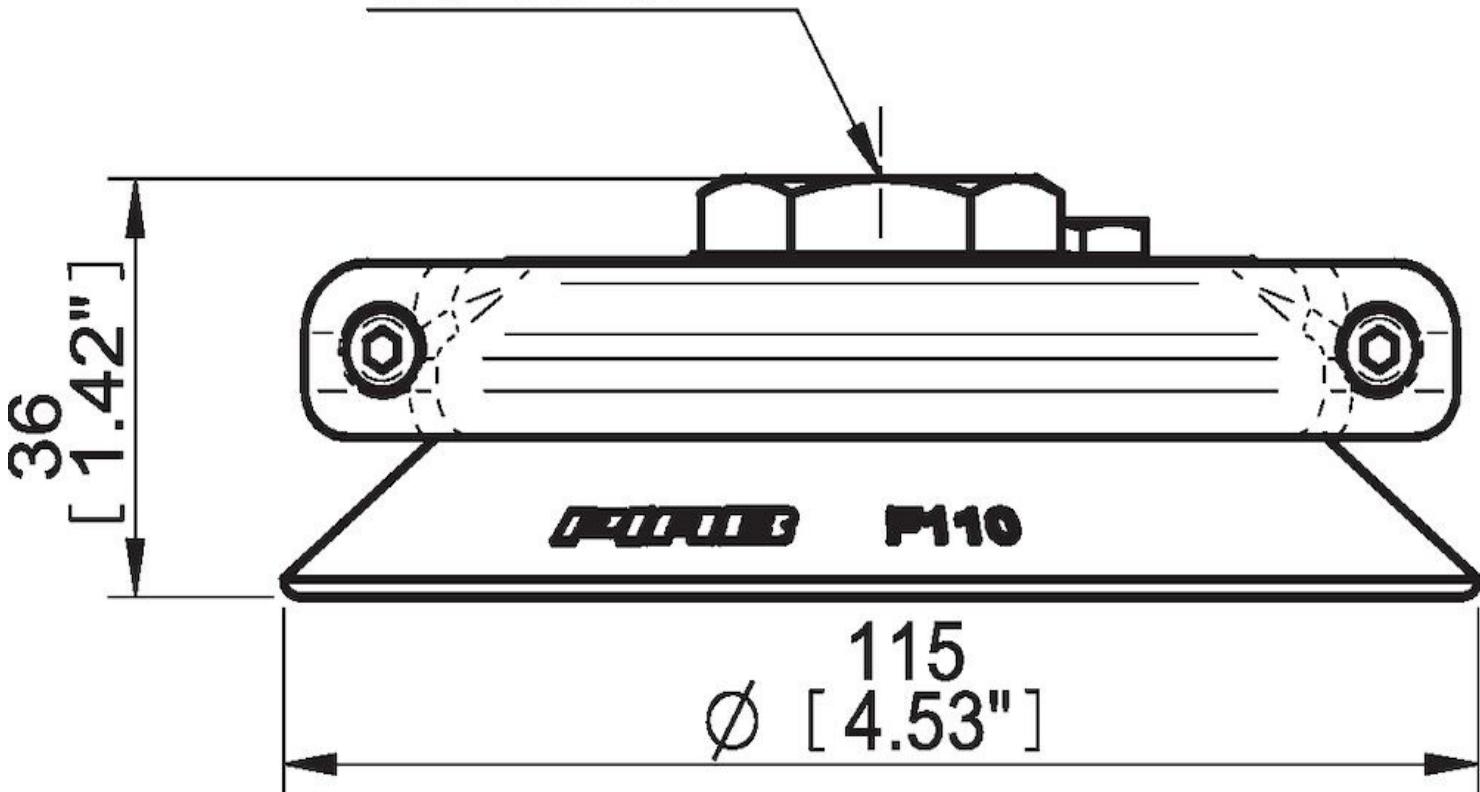
Material	
Name	Polyurethane (PU60)
Color	Green transparent
Temperature, min. °F	50.0
Temperature max. °F	122.0
Hardness °Shore A	60

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

**G 3/8", G1/2"
3/8" NPSF**



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

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

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

11VC | Fitting 110, G1/2" female, with cone valve

F110P.4K | Suction cup F110P Polyurethane 30/60

F110P.5K | Suction cup F110P Polyurethane 30/60 with collar for Vacuum Gripper System (VGS)

01.07.148 | Thread insert G3/8" male, with O-ring and mesh filter for Vacuum Gripper System (VGS)

F110P.5E | Suction cup F110P Polyurethane 60 with collar for Vacuum Gripper System (VGS)

Spare parts

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

F110P.4E | Suction cup F110P Polyurethane 60