

Suction cup F75 Nitrile-PVC

Article number: 3150131P



- 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	-	Nitrile-PVC (NPV)
Weight, min.	g	23
Suction cup model	-	F
Volume	cm ³	20
Height	mm	13
Outer diameter, min.	mm	77
Outer diameter, actuated	mm	79
Fitting size	-	None
Fitting option	-	None
Fitting style	-	None
Fitting type	-	None
Suction cup model	-	F75
Movement, vertical max.	mm	3
Curve radius, min.	mm	150

Performance - Lifting forces

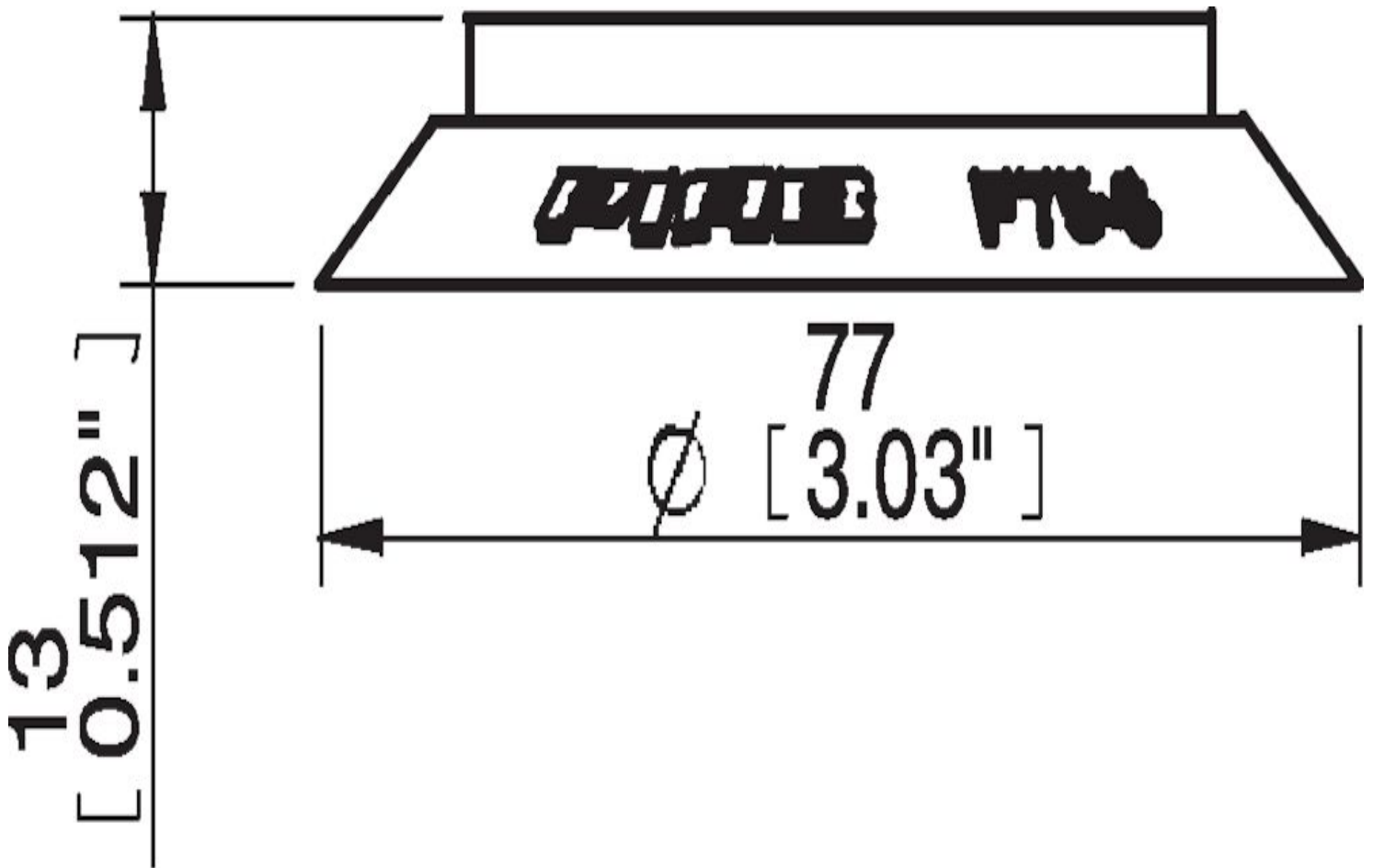
F75	Vertical (N)	Parallel (N)
20 -kPa	80	60
60 -kPa	200	110
90 -kPa	270	140

Material	
Name	Nitrile-PVC (NPV)
Colour	Black
Temperature, min. °C	0
Temperature max. °C	90
Hardness °Shore A	50

Material resistance

Alcohol	Good
Concentrated acids	Fair
Ethanol	n/a
Hydrolysis	Good
Methanol	n/a
Oil	Excellent
Oxidation	Good
Petrol	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.

Accessories

- 0100548 | Fitting 75, 1/8" NPSF female, with mesh filter
- 0100551 | Fitting 75, G3/8" female, with mesh filter
- 0100552 | Fitting 75, G3/8" female, with cone valve
- 0100553 | Fitting 75, 3/8" NPSF female, with mesh filter
- 0100555 | Fitting 75, G1/2" female, with mesh filter
- 0100556 | Fitting 75, G1/2" female, with cone valve
- 0127819 | Fitting 1/8" NPSF female AI, with mesh filter
- 0127820 | Fitting G1/2" female AI, with mesh filter
- 0127821 | Fitting 1/4" NPT female AI, with mesh filter & 10-32 addl. conn.