

# U50-2



## U50-2

### Universal suction cup



- Suitable for objects with flat or slightly curved surfaces.
- Also used for concave objects.

#### Lifting forces & Technical data

Outer Dia in	Lifting force vertical to the surface, lbf, at vacuum level			Lifting force parallel to the surface, lbf, at vacuum level			Volume in <sup>3</sup>	Min. curve radius in	Max. vertical movement in	Weight rubber part oz
	6 -inHg	18 -inHg	27 -inHg	6 -inHg	18 -inHg	27 -inHg				
2.02	7.87	16.4	20.7	4.50	8.32	9.89	0.73	1.38	0.24	0.35

#### Material specifications

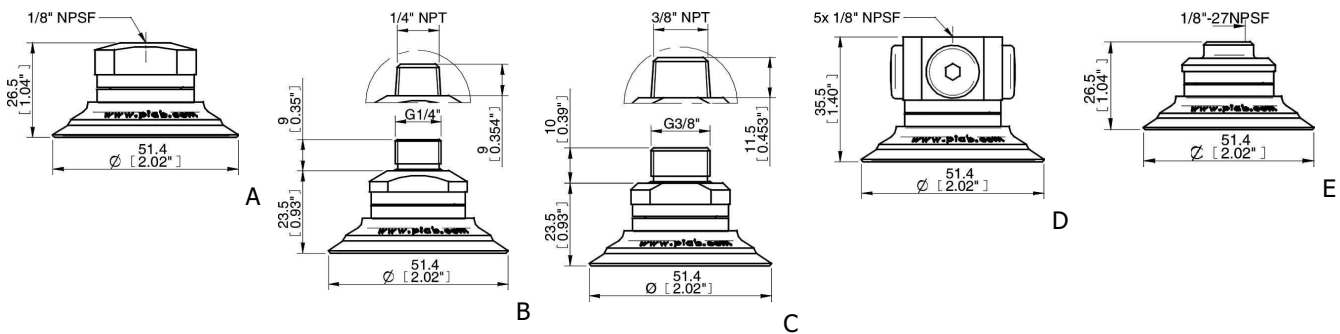
Material	Color	Hardness °Shore A	Temperature range °F
Nitrile-PVC, NPV	Black	50	32–194
Silicone, SIL	Red	50	-40–392

#### Material resistance

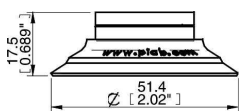
Material	Wear resistance	Oil	Weather & Ozone	Hydrolysis	Gasoline	Concentrated acids	Alcohol	Oxidation
Nitrile-PVC, NPV	Excellent	Excellent	Good	Good	Excellent	Fair	Good	Good
Silicone, SIL	Good	Poor	Excellent	Fair	Poor	Poor	Good	Excellent

## Ordering information

Suction cups with fitting		Weight (oz)	Part No.
A	Suction cup U50-2 Nitrile-PVC, 1/8" NPSF female	0.70	U50-2.30.05AA
A	Suction cup U50-2 Nitrile-PVC, 1/8" NPSF female, with mesh filter	0.70	U50-2.30.05AG
B	Suction cup U50-2 Nitrile-PVC, G1/4" male, with mesh filter	0.70	U50-2.30.05AB
B	Suction cup U50-2 Nitrile-PVC, 1/4" NPT male, with mesh filter	0.70	U50-2.30.05AC
C	Suction cup U50-2 Nitrile-PVC, G3/8" male, with mesh filter	0.70	U50-2.30.05AD
C	Suction cup U50-2 Nitrile-PVC, 3/8" NPT male, with mesh filter	0.70	U50-2.30.05AE
D	Suction cup U50-2 Nitrile-PVC, 5x1/8" NPSF female	1.41	U50-2.30.05AF
A	Suction cup U50-2 Silicone, 1/8" NPSF female	0.70	U50-2.20.05AA
A	Suction cup U50-2 Silicone, 1/8" NPSF female, with mesh filter	0.70	U50-2.20.05AG
A	Suction cup U50-2 Silicone, 1/8" NPSF female, with dual flow control valve	0.70	U50-2.20.05DA
B	Suction cup U50-2 Silicone, G1/4" male, with mesh filter	0.70	U50-2.20.05AB
B	Suction cup U50-2 Silicone, 1/4" NPT male, with mesh filter	0.70	U50-2.20.05AC
C	Suction cup U50-2 Silicone, G3/8" male, with mesh filter	0.70	U50-2.20.05AD
C	Suction cup U50-2 Silicone, G3/8" male, with dual flow control valve	0.70	U50-2.20.05DD
C	Suction cup U50-2 Silicone, 3/8" NPT male, with mesh filter	0.70	U50-2.20.05AE
E	Suction cup U50-2 Silicone, 1/8" NPSF female, PA	0.55	U50-2.20.05CA



Rubber parts	Part No.
Suction cup U50-2 Nitrile-PVC	U50-2.30
Suction cup U50-2 Silicone	U50-2.20



Fittings	Part No.
Fitting 1/8" NPSF female, 50	05AA
Fitting 1/8" NPSF female, 50, with mesh filter	05AG
Fitting 1/8" NPSF female, 50, with dual flow control valve	05DA
Fitting G1/8" male, 50, with mesh filter	05AI
Fitting G1/4" male, 50, with mesh filter	05AB
Fitting G1/4" male, with dual flow control valve	05DB
Fitting 1/4" NPT male, with mesh filter	05AC
Fitting 1/4" NPT male, with dual flow control valve	05DC
Fitting G3/8" male, 50, with mesh filter	05AD
Fitting G3/8" male, 50, with mesh filter and dual flow control valve	05DD
Fitting 3/8" NPT male, with mesh filter	05AE

Fitting 3/8" NPT male, with dual flow control valve	05DE
Fitting 5x1/8" NPSF female, 50	05AF
Fitting 5x1/8" NPSF female, 50, with dual flow control valve	05DF
Fitting 1/8" NPSF female, 50, PA	05CA