

# U30



## U30

### 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				
1.26	2.70	5.62	6.74	1.75	2.20	2.47	0.12	0.79	0.13	0.06

#### Material specifications

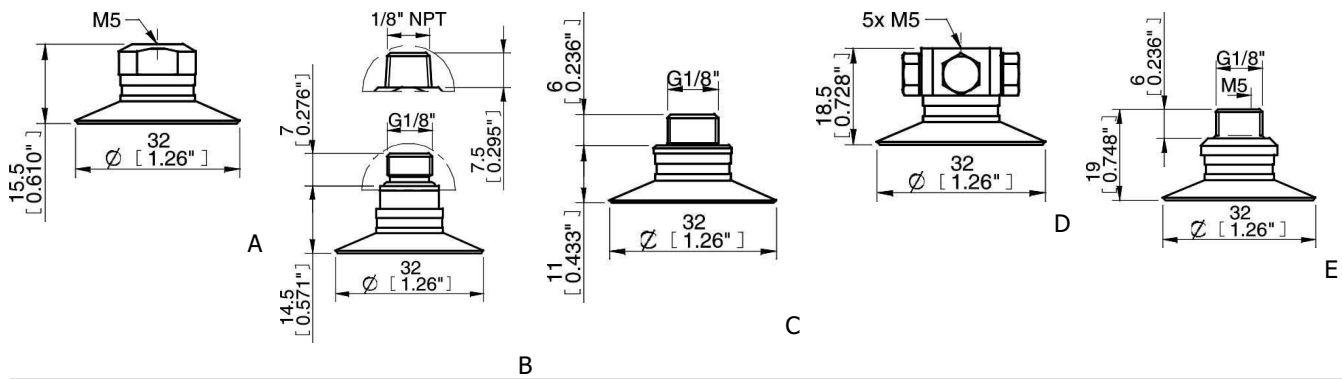
Material	Color	Hardness °Shore A	Temperature range °F
Nitrile-PVC, NPV	Black	50	32–194
Silicone, SIL	Red	50	-40–392

#### Material resistance

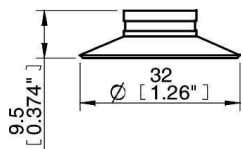
Material	Wear resistance	Oil	Weather & Ozone	Hydrolysis	Gasoline	Concentrated acids	Alcohol	Oxidation
Nitrile-PVC, NPV	Excellent	Excellent	Good	Good	Excellent	Fair	Good	Good
Silicone, SIL	Good	Poor	Excellent	Fair	Poor	Poor	Good	Excellent

## Ordering information

	Suction cups with fitting	Weight (oz)	Part No.
A	Suction cup U30 Nitrile-PVC, M5 female	0.17	U30.30.02AA
B	Suction cup U30 Nitrile-PVC, G1/8" male, with mesh filter	0.17	U30.30.02AB
B	Suction cup U30 Nitrile-PVC, G1/8" male, with dual flow control valve	0.17	U30.30.02DB
B	Suction cup U30 Nitrile-PVC, 1/8" NPT male, with mesh filter	0.17	U30.30.02AC
C	Suction cup U30 Nitrile-PVC, G1/8" male / M5 female	0.13	U30.30.02AD
C	Suction cup U30 Nitrile-PVC, G1/8" male / M5 female, with mesh filter	0.13	U30.30.02AF
C	Suction cup U30 Nitrile-PVC, G1/8" male / M5 female, with dual flow control valve	0.13	U30.30.02DD
A	Suction cup U30 Silicone, M5 female, with mesh filter	0.17	U30.20.02AA
B	Suction cup U30 Silicone, G1/8" male, with mesh filter	0.17	U30.20.02AB
B	Suction cup U30 Silicone, G1/8" male, with dual flow control valve	0.17	U30.20.02DB
B	Suction cup U30 Silicone, 1/8" NPT male, with mesh filter	0.17	U30.20.02AC
C	Suction cup U30 Silicone, G1/8" male / M5 female	0.13	U30.20.02AD
C	Suction cup U30 Silicone, G1/8" male / M5 female, with mesh filter	0.13	U30.20.02AF
D	Suction cup U30 Silicone, 5xM5 female, with mesh filter	0.41	U30.20.02AE
E	Suction cup U30 Nitrile-PVC, G1/8" male / M5 female, PA	0.12	U30.30.02CD



Rubber parts	Part No.
Suction cup U30 Nitrile-PVC	U30.30
Suction cup U30 Silicone	U30.20



Fittings	Part No.
Fitting M5 female	02AA
Fitting M5 female, with dual flow control valve	02DA
Fitting G1/8" male, with mesh filter	02AB
Fitting G1/8" male, with mesh filter and dual flow control valve	02DB
Fitting 1/8" NPT male, with mesh filter	02AC
Fitting 1/8" NPT male, with dual flow control valve	02DC
Fitting G1/8" male/M5 female	02AD
Fitting G1/8" male/M5 female, with mesh filter	02AF
Fitting G1/8" male/M5 female, with dual flow control valve	02DD

Fitting 5xM5 female	02AE
Fitting 5xM5 female, with dual flow control valve	02DE
Fitting G1/8" male/M5 female, PA	02CD