

U30



UNIVERSAL SUCTION CUP

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

LIFTING FORCES & TECHNICAL DATA

Lifting force vertical to the surface, N, at vacuum level			Lifting force parallel to the surface, N, at vacuum level			Volume cm ³	Min. curve radius mm	Max. vertical movement mm	Weight rubber part g
20 -kPa	60 -kPa	90 -kPa	20 -kPa	60 -kPa	90 -kPa				
12.0	25.0	30	7.8	9.8	11.0	2.0	20.0	3.5	1.8

MATERIAL SPECIFICATIONS

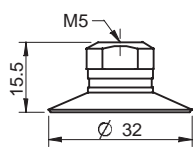
Material	Colour	Hardness °Shore A	Temperature range °C
Nitrile-PVC, NPV	Black	50	0-90
Silicone, SIL	Red	50	-40-200

MATERIAL RESISTANCE

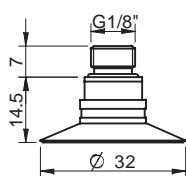
Material	Wear resistance	Oil	Weather & Ozone	Hydrolysis	Petrol	Concentrated acids	Alcohol	Oxidation
Nitrile-PVC, NPV	Excellent	Excellent	Good	Good	Excellent	Fair	Good	Good
Silicone, SIL	Good	Poor	Excellent	Fair	Poor	Poor	Good	Excellent

ORDERING INFORMATION

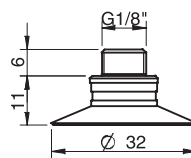
Complete suction cups		Art. No.
A	Suction cup U30 Nitrile-PVC, M5 female	0101406
B	Suction cup U30 Nitrile-PVC, G1/8" male, with mesh filter	0101407
B	Suction cup U30 Nitrile-PVC, G1/8" male, with mesh filter and dual flow control valve	0101413
C	Suction cup U30 Nitrile-PVC, G1/8" male / M5 female, with mesh filter	0101411
C	Suction cup U30 Nitrile-PVC, G1/8" male / M5 female, with dual flow control valve	0101415
A	Suction cup U30 Silicone, M5 female, with mesh filter	0101395
B	Suction cup U30 Silicone, G1/8" male, with mesh filter	0101396
B	Suction cup U30 Silicone, G1/8" male, with mesh filter and dual flow control valve	0101402
C	Suction cup U30 Silicone, G1/8" male / M5 female, with mesh filter	0101400
D	Suction cup U30 Silicone, 5xM5 female, with mesh filter	0101399
E	Suction cup U30 Nitrile-PVC, G1/8" male / M5 female, PA	0109839



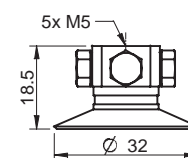
A



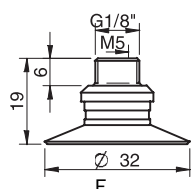
B



C

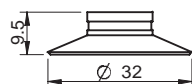


D



E

Rubber parts		Art. No.
Suction cup U30 Nitrile-PVC		0101146
Suction cup U30 Silicone		0101147



Fittings		Art. No.
Fitting M5 female		3250003
Fitting M5 female, with dual flow control valve		3251001
Fitting G1/8" male, with mesh filter		3250085
Fitting G1/8" male, with mesh filter and dual flow control valve		3251002
Fitting G1/8" male/M5 female, with mesh filter		0101152
Fitting G1/8" male/M5 female, with dual flow control valve		3251004
Fitting 5xM5 female		0100260
Fitting 5xM5 female, with dual flow control valve		3251005
Fitting G1/8" male/M5 female, PA		3150196

For further information and dimensioned drawings, see SUCTION CUPS FITTINGS chapter.