

SUCTION CUPS / Oval Universal

VOU10x30

Features and Strengths

Great performance for handling long objects with flat and curved surfaces

Examples of use

Semiconductor Chips, PCB boards, Electronic component
Solar cell, Small glass cases, Pipes



Recommended Lifting Force (Max.)

Model	Volume (cm ³)	Min. Curvature Radius R(mm)	Lifting Force (Kg) - Perpendicular		
			- 20 kPa	- 60 kPa	- 90 kPa
VOU10x30	0.394	8.00	0.62	1.42	2.05

※ The lifting force above does not include safety factor

Material Specifications

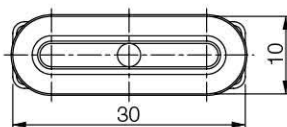
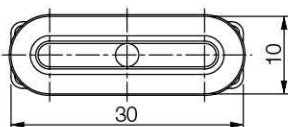
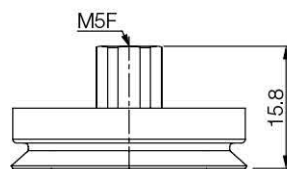
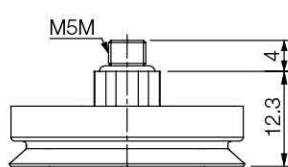
Material	Hardness Shore (°)	Color	Temperature (°C)
NBR	60	Black	-20~110
Silicone	55	Red	-70~200
White Silicone	55	Translucent White	-70~200
White Silicone (FDA)	55	Translucent White	-70~200
High temp. Silicone	50	Blue	-70~280
Conductive Silicone	70	Smoky Black	-45~90
Urethane	60	Dark Green	0~100

Material Resistance

Description	NBR	Silicone	White Silicone	High temp. Silicone	Conductive Silicone	Urethane
Wear Resistance	Excellent	Good	Good	Good	Good	Excellent
Oil	Excellent	Poor	Poor	Poor	Poor	Excellent
Weather / Ozone	Fair	Excellent	Excellent	Excellent	Excellent	Excellent
Alcohol	Good	Good	Good	Good	Good	Fair
Acid	Fair	Poor	Poor	Poor	Poor	Poor

Dimension

[Unit : mm]



[With M5M fitting]

[With M5F fitting]

Build an Ordering No.



1. Suction cup	Description	Symbol
	Oval-Universal suction cup, 10x30mm diameter, Nitrile (NBR)	VOU10x30-N
	Oval-Universal suction cup, 10x30mm diameter, Silicone	VOU10x30-S
	Oval-Universal suction cup, 10x30mm diameter, White silicone	VOU10x30-WS
	Oval-Universal suction cup, 10x30mm diameter, White silicone (FDA)	VOU10x30-WS (FDA)
	Oval-Universal suction cup, 10x30mm diameter, High temperature silicone	VOU10x30-HS
	Oval-Universal suction cup, 10x30mm diameter, Conductive silicone	VOU10x30-CS
	Oval-Universal suction cup, 10x30mm diameter, Urethane	VOU10x30-U

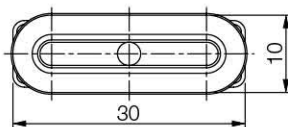
2. Fitting	Description	Symbol
	Fitting, M5 female	M5F
	Fitting, M5 male	M5M

Spare Parts – Rubber Parts

Part No.	Description	Weight (g)	Color
VOU10x30-N	Oval-Universal suction cup, 10x30mm diameter, Nitrile (NBR)	1.79	Black
VOU10x30-S	Oval-Universal suction cup, 10x30mm diameter, Silicone	1.55	Red
VOU10x30-WS	Oval-Universal suction cup, 10x30mm diameter, White silicone	1.56	Translucent White
VOU10x30-WS (FDA)	Oval-Universal suction cup, 10x30mm diameter, White silicone (FDA)	1.56	Translucent White
VOU10x30-HS	Oval-Universal suction cup, 10x30mm diameter, High temperature silicone	1.85	Blue
VOU10x30-CS	Oval-Universal suction cup, 10x30mm diameter, Conductive silicone	1.77	Smoky Black
VOU10x30-U	Oval-Universal suction cup, 10x30mm diameter, Urethane	1.85	Dark Green

Dimension

[Unit : mm]



[Rubber part]

Spare Parts – Fittings

Part No. (Code No.)	Fitting size	Description	Weight (g)
350 002 1112	M5F	M5 female	2.82
350 002 1012	M5M	M5 male	1.78