

SUCTION CUPS / Oval Curve

VOC60x180

Features and Strengths

Good for long objects with flat and curved surfaces
Strong lifting force and long life-span

Examples of use

Long flat objects, Curved surface, Metal panels, Automobile bumpers



Recommended Lifting Force (Max.)

Model	Volume (cm ³)	Lifting Force (Kg) - Perpendicular			Lifting Force (Kg) - Parallel		
		- 20 kPa	- 60 kPa	- 90 kPa	- 20 kPa	- 60 kPa	- 90 kPa
VOC60x180	67.00	19.10	54.20	75.70	15.28	43.36	60.56

※ The lifting force above does not include safety factor

Material Specifications

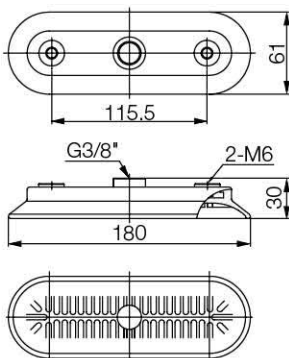
Material	Hardness Shore (°)	Color	Temperature (°C)
NBR	60	Black	-20~110
Silicone	55	Red	-70~200
White Silicone	55	Translucent White	-70~200
White Silicone (FDA)	55	Translucent White	-70~200
High temp. Silicone	50	Blue	-70~280
Conductive Silicone	70	Smoky Black	-45~90
Urethane	60	Dark Green	0~100
Mark Free	75	Black	-10~100

Material Resistance

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

Dimension

[Unit : mm]



[With 38F fitting]

I Build an Ordering No.

VOC60x180 -  : Pre-mounted fitting
1. Suction Cup

: Pre-mounted fitting

1. Suction cup	Description	Weight (g)	Symbol
	Oval-Curved suction cup, 60x180mm diameter, Nitrile (NBR), G3/8 female	213.43	VOC60x180-N-38F
	Oval-Curved suction cup, 60x180mm diameter, Silicone, G3/8 female	204.01	VOC60x180-S-38F
	Oval-Curved suction cup, 60x180mm diameter, White silicone, G3/8 female	204.56	VOC60x180-WS-38F
	Oval-Curved suction cup, 60x180mm diameter, White silicone (FDA), G3/8 female	204.56	VOC60x180-WS-38F (FDA)
	Oval-Curved suction cup, 60x180mm diameter, High temperature silicone, G3/8 female	204.96	VOC60x180-HS-38F
	Oval-Curved suction cup, 60x180mm diameter, Conductive silicone, G3/8 female	204.88	VOC60x180-CS-38F
	Oval-Curved suction cup, 60x180mm diameter, Urethane, G3/8 female	215.75	VOC60x180-U-38F
	Oval-Curved suction cup, 60x180mm diameter, Mark free, G3/8 female	143.11	VOC60x180-A-38F