

# SUCTION CUPS / Deep

## VD60



### Features and Strengths

Suitable for curved or irregular surfaces.  
Excellent performance for round corners and edges

### Examples of use

Automobile Roofs and Doors, Metal Sheets, Plastic Sheets,  
Veneer Sheets, Shaped Metal panels



### Recommended Lifting Force (Max.)

Model	Volume (cm <sup>3</sup> )	Lifting Force (Kg) - Perpendicular			Lifting Force (Kg) - Parallel		
		- 20 kPa	- 60 kPa	- 90 kPa	- 20 kPa	- 60 kPa	- 90 kPa
VD60	22.00	5.50	14.00	18.50	3.30	8.40	11.10

※ 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
Polyurethane	60	Translucent Orange	0~60

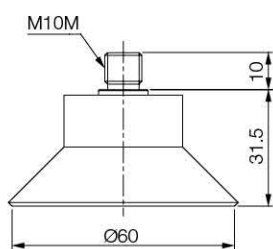
※ For additional material, see page 32~33

### Material Resistance

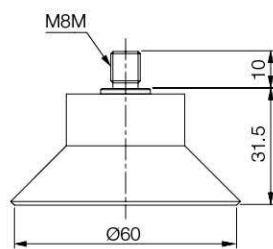
Description	NBR	Silicone	White Silicone	High temp. Silicone	Conductive Silicone	Urethane	Mark Free	Polyurethane
Wear Resistance	Excellent	Good	Good	Good	Good	Excellent	Good	Excellent
Oil	Excellent	Poor	Poor	Poor	Poor	Excellent	Excellent	Excellent
Weather / Ozone	Fair	Excellent	Excellent	Excellent	Excellent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

### Dimension

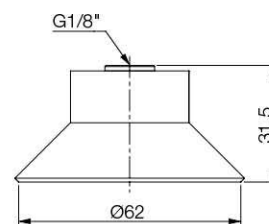
[ Unit : mm ]



[ With M10M fitting ]



[ With M8M fitting ]



[ With 18F fitting ]

## Build an Ordering No.



: Pre-mounted fitting

1. Suction cup	Description	Weight (g)	Symbol
	Deep suction cup, 60mm diameter, Nitrile (NBR), M8 male	35.51	<a href="#">VD60-N-M8M</a>
	Deep suction cup, 60mm diameter, Silicone, M8 male	34.31	<a href="#">VD60-S-M8M</a>
	Deep suction cup, 60mm diameter, White silicone, M8 male	34.49	<a href="#">VD60-WS-M8M</a>
	Deep suction cup, 60mm diameter, White silicone (FDA), M8 male	34.49	<a href="#">VD60-WS-M8M (FDA)</a>
	Deep suction cup, 60mm diameter, High temperature silicone, M8 male	36.72	<a href="#">VD60-HS-M8M</a>
	Deep suction cup, 60mm diameter, Conductive silicone, M8 male	35.16	<a href="#">VD60-CS-M8M</a>
	Deep suction cup, 60mm diameter, Urethane, M8 male	36.78	<a href="#">VD60-U-M8M</a>
	Deep suction cup, 60mm diameter, Mark free, M8 male	38.36	<a href="#">VD60-A-M8M</a>
	Deep suction cup, 60mm diameter, Polyurethane, M8 male	32.42	<a href="#">VD60-PU-M8M</a>
	Deep suction cup, 60mm diameter, Nitrile (NBR), M10 male	35.45	<a href="#">VD60-N-M10M</a>
	Deep suction cup, 60mm diameter, Silicone, M10 male	28.18	<a href="#">VD60-S-M10M</a>
	Deep suction cup, 60mm diameter, White silicone, M10 male	34.43	<a href="#">VD60-WS-M10M</a>
	Deep suction cup, 60mm diameter, White silicone (FDA), M10 male	34.43	<a href="#">VD60-WS-M10M (FDA)</a>
	Deep suction cup, 60mm diameter, High temperature silicone, M10 male	36.65	<a href="#">VD60-HS-M10M</a>
	Deep suction cup, 60mm diameter, Conductive silicone, M10 male	35.1	<a href="#">VD60-CS-M10M</a>
	Deep suction cup, 60mm diameter, Urethane, M10 male	36.72	<a href="#">VD60-U-M10M</a>
	Deep suction cup, 60mm diameter, Mark free, M10 male	38.3	<a href="#">VD60-A-M10M</a>
	Deep suction cup, 60mm diameter, Polyurethane, M10 male	32.36	<a href="#">VD60-PU-M10M</a>
	Deep suction cup, 60mm diameter, Nitrile (NBR), G1/8 female	33.00	<a href="#">VD60-N-18F</a>
	Deep suction cup, 60mm diameter, Silicone, G1/8 female	31.29	<a href="#">VD60-S-18F</a>
	Deep suction cup, 60mm diameter, White silicone, G1/8 female	26.09	<a href="#">VD60-WS-18F</a>
	Deep suction cup, 60mm diameter, White silicone (FDA), G1/8 female	26.09	<a href="#">VD60-WS-18F (FDA)</a>
	Deep suction cup, 60mm diameter, High temperature silicone, G1/8 female	37.04	<a href="#">VD60-HS-18F</a>
	Deep suction cup, 60mm diameter, Conductive silicone, G1/8 female	26.13	<a href="#">VD60-CS-18F</a>
	Deep suction cup, 60mm diameter, Urethane, G1/8 female	34.19	<a href="#">VD60-U-18F</a>
	Deep suction cup, 60mm diameter, Mark free, G1/8 female	40.28	<a href="#">VD60-A-18F</a>
	Deep suction cup, 60mm diameter, Polyurethane, G1/8 female	30.13	<a href="#">VD60-PU-18F</a>