

# SUCTION CUPS / Deep

## VD85



### 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
VD85	60.00	10.00	28.00	39.00	6.00	16.80	23.40

※ 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

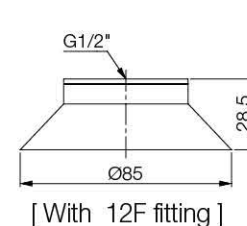
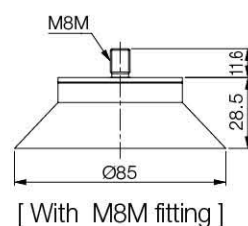
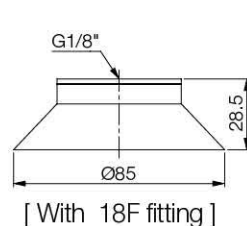
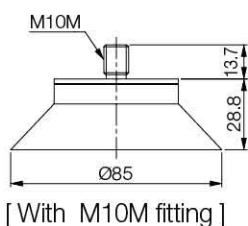
※ For additional material, see page 32~33

### 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 ]



## Build an Ordering No.



: Pre-mounted fitting

1. Suction cup	Description	Weight (g)	Symbol
	Deep suction cup, 85mm diameter, Nitrile (NBR), M8 male	67.94	VD85-N-M8M
	Deep suction cup, 85mm diameter, Silicone, M8 male	64.63	VD85-S-M8M
	Deep suction cup, 85mm diameter, White silicone, M8 male	65.99	VD85-WS-M8M
	Deep suction cup, 85mm diameter, White silicone (FDA), M8 male	65.99	VD85-WS-M8M (FDA)
	Deep suction cup, 85mm diameter, High temperature silicone, M8 male	70.25	VD85-HS-M8M
	Deep suction cup, 85mm diameter, Conductive silicone, M8 male	67.28	VD85-CS-M8M
	Deep suction cup, 85mm diameter, Urethane, M8 male	70.38	VD85-U-M8M
	Deep suction cup, 85mm diameter, Mark free, M8 male	73.4	VD85-A-M8M
	Deep suction cup, 85mm diameter, Nitrile (NBR), M10 male	69.84	VD85-N-M10M
	Deep suction cup, 85mm diameter, Silicone, M10 male	66.43	VD85-S-M10M
	Deep suction cup, 85mm diameter, White silicone, M10 male	67.84	VD85-WS-M10M
	Deep suction cup, 85mm diameter, White silicone (FDA), M10 male	67.84	VD85-WS-M10M (FDA)
	Deep suction cup, 85mm diameter, High temperature silicone, M10 male	72.22	VD85-HS-M10M
	Deep suction cup, 85mm diameter, Conductive silicone, M10 male	69.16	VD85-CS-M10M
	Deep suction cup, 85mm diameter, Urethane, M10 male	72.35	VD85-U-M10M
	Deep suction cup, 85mm diameter, Mark free, M10 male	75.45	VD85-A-M10M
	Deep suction cup, 85mm diameter, Nitrile (NBR), G1/8 female	65.01	VD85-N-18F
	Deep suction cup, 85mm diameter, Silicone, G1/8 female	60.65	VD85-S-18F
	Deep suction cup, 85mm diameter, White silicone, G1/8 female	63.15	VD85-WS-18F
	Deep suction cup, 85mm diameter, White silicone (FDA), G1/8 female	63.15	VD85-WS-18F (FDA)
	Deep suction cup, 85mm diameter, High temperature silicone, G1/8 female	67.22	VD85-HS-18F
	Deep suction cup, 85mm diameter, Conductive silicone, G1/8 female	67.37	VD85-CS-18F
	Deep suction cup, 85mm diameter, Urethane, G1/8 female	67.35	VD85-U-18F
	Deep suction cup, 85mm diameter, Mark free, G1/8 female	71.64	VD85-A-18F
	Deep suction cup, 85mm diameter, Nitrile (NBR), G1/2 female	55.71	VD85-N-12F
	Deep suction cup, 85mm diameter, Silicone, G1/2 female	52.93	VD85-S-12F
	Deep suction cup, 85mm diameter, White silicone, G1/2 female	54.14	VD85-WS-12F
	Deep suction cup, 85mm diameter, White silicone (FDA), G1/2 female	54.14	VD85-WS-12F(FDA)
	Deep suction cup, 85mm diameter, High temperature silicone, G1/2 female	57.64	VD85-HS-12F
	Deep suction cup, 85mm diameter, Conductive silicone, G1/2 female	63.19	VD85-CS-12F
	Deep suction cup, 85mm diameter, Urethane, G1/2 female	64.98	VD85-U-12F
	Deep suction cup, 85mm diameter, Mark free, G1/2 female	66.97	VD85-A-12F