

SUCTION CUPS / Deep

VD85X



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 ³)	Lifting Force (Kg) - Perpendicular			Lifting Force (Kg) - Parallel		
		- 20 kPa	- 60 kPa	- 90 kPa	- 20 kPa	- 60 kPa	- 90 kPa
VD85X	68.00	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

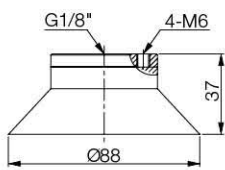
※ For additional material, see page 32~33

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

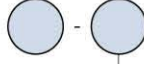

Dimension

[Unit : mm]



[With 18F fitting]

Build an Ordering No.

VD85X -  -  : Pre-mounted fitting

1. Suction Cup

1. Suction cup	Description	Weight (g)	Symbol
	Deep suction cup, 85mm diameter, Nitrile (NBR), G1/8 female	85.25	VD85X-N-18F
	Deep suction cup, 85mm diameter, Silicone, G1/8 female	83.31	VD85X-S-18F
	Deep suction cup, 85mm diameter, White silicone, G1/8 female	82.81	VD85X-WS-18F
	Deep suction cup, 85mm diameter, White silicone (FDA), G1/8 female	82.81	VD85X-WS-18F (FDA)
	Deep suction cup, 85mm diameter, High temperature silicone, G1/8 female	88.15	VD85X-HS-18F
	Deep suction cup, 85mm diameter, Conductive silicone, G1/8 female	84.42	VD85X-CS-18F
	Deep suction cup, 85mm diameter, Urethane, G1/8 female	88.32	VD85X-U-18F
	Deep suction cup, 85mm diameter, Mark free, G1/8 female	92.1	VD85X-A-18F