

SUCTION CUPS / Deep

VD40



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
VD40	7.00	2.04	3.97	5.00	1.22	2.38	3.00

※ 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

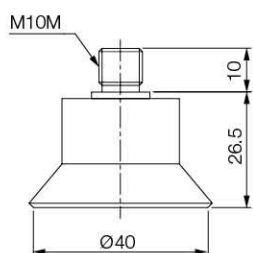
※ For additional material, see page 32~33

Material Resistance

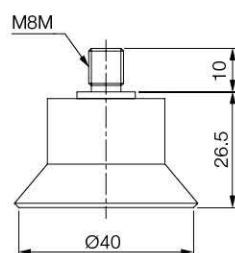
Description	NBR	Silicone	White Silicone	High temp. Silicone	Conductive Silicone	Urethane	Mark Free	Polyurethane
Wear Resistance	Excellent	Good	Good	Good	Good	Excellent	Good	Excellent
Oil	Excellent	Poor	Poor	Poor	Poor	Excellent	Excellent	Excellent
Weather / Ozone	Fair	Excellent	Excellent	Excellent	Excellent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

Dimension

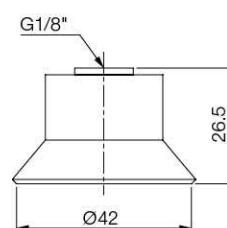
[Unit : mm]



[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, 40mm diameter, Nitrile (NBR), M8 male	17.66	VD40-N-M8M
	Deep suction cup, 40mm diameter, Silicone, M8 male	17.08	VD40-S-M8M
	Deep suction cup, 40mm diameter, White silicone, M8 male	17.14	VD40-WS-M8M
	Deep suction cup, 40mm diameter, White silicone (FDA), M8 male	17.14	VD40-WS-M8M (FDA)
	Deep suction cup, 40mm diameter, High temperature silicone, M8 male	18.26	VD40-HS-M8M
	Deep suction cup, 40mm diameter, Conductive silicone, M8 male	17.48	VD40-CS-M8M
	Deep suction cup, 40mm diameter, Urethane, M8 male	18.29	VD40-U-M8M
	Deep suction cup, 40mm diameter, Mark free, M8 male	19.07	VD40-A-M8M
	Deep suction cup, 40mm diameter, Polyurethane, M8 male	16.12	VD40-PU-M8M
	Deep suction cup, 40mm diameter, Nitrile (NBR), M10 male	18.08	VD40-N-M10M
	Deep suction cup, 40mm diameter, Silicone, M10 male	16.92	VD40-S-M10M
	Deep suction cup, 40mm diameter, White silicone, M10 male	17.56	VD40-WS-M10M
	Deep suction cup, 40mm diameter, White silicone (FDA), M10 male	17.56	VD40-WS-M10M (FDA)
	Deep suction cup, 40mm diameter, High temperature silicone, M10 male	18.69	VD40-HS-M10M
	Deep suction cup, 40mm diameter, Conductive silicone, M10 male	17.9	VD40-CS-M10M
	Deep suction cup, 40mm diameter, Urethane, M10 male	18.73	VD40-U-M10M
	Deep suction cup, 40mm diameter, Mark free, M10 male	19.53	VD40-A-M10M
	Deep suction cup, 40mm diameter, Polyurethane, M10 male	16.5	VD40-PU-M10M
	Deep suction cup, 40mm diameter, Nitrile (NBR), G1/8 female	14.58	VD40-N-18F
	Deep suction cup, 40mm diameter, Silicone, G1/8 female	14.36	VD40-S-18F
	Deep suction cup, 40mm diameter, White silicone, G1/8 female	14.16	VD40-WS-18F
	Deep suction cup, 40mm diameter, White silicone (FDA), G1/8 female	14.16	VD40-WS-18F (FDA)
	Deep suction cup, 40mm diameter, High temperature silicone, G1/8 female	16.74	VD40-HS-18F
	Deep suction cup, 40mm diameter, Conductive silicone, G1/8 female	14.95	VD40-CS-18F
	Deep suction cup, 40mm diameter, Urethane, G1/8 female	15.67	VD40-U-18F
	Deep suction cup, 40mm diameter, Mark free, G1/8 female	17.07	VD40-A-18F
	Deep suction cup, 40mm diameter, Polyurethane, G1/8 female	13.31	VD40-PU-18F