

# SUCTION CUPS / Single Bellows

## VB6X

### Features and Strengths

Suitable for smaller objects  
Compensating for a difference in level  
Various materials for a wide range of applications

### Examples of use

Cardboards, Veneer Sheets, Packaging Materials,  
Plastic Sheets, Thin Film Sheets



### Recommended Lifting Force (Max.)

Model	Volume (cm <sup>3</sup> )	Lifting Force (Kg) - Perpendicular		
		- 20 kPa	- 60 kPa	- 90 kPa
VB6X	0.09	0.05	0.11	0.14

※ 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

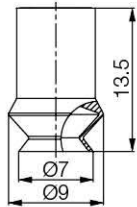
Description	NBR	Silicone	White Silicone	High temp. Silicone	Conductive Silicone	Urethane	Mark Free
Wear Resistance	Excellent	Good	Good	Good	Good	Excellent	Good
Oil	Excellent	Poor	Poor	Poor	Poor	Excellent	Excellent
Weather / Ozone	Fair	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Alcohol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

## Build an Ordering No.

### VB6X -

1. Suction Cup

1. Suction cup	Description	Weight (g)	Symbol
	Single-bellow suction cup, 6mm diameter, Nitrile (NBR)	0.39	VB6X-N
	Single-bellow suction cup, 6mm diameter, Silicone	0.38	VB6X-S
	Single-bellow suction cup, 6mm diameter, White silicone	0.36	VB6X-WS
	Single-bellow suction cup, 6mm diameter, White silicone (FDA)	0.36	VB6X-WS(FDA)
	Single-bellow suction cup, 6mm diameter, High temperature silicone	0.36	VB6X-HS
	Single-bellow suction cup, 6mm diameter, Conductive silicone	0.39	VB6X-CS
	Single-bellow suction cup, 6mm diameter, Urethane	0.39	VB6X-U
	Single-bellow suction cup, 6mm diameter, Mark free	0.47	VB6X-A



[ Rubber part ]

[ Unit : mm ]