

SUCTION CUPS / Multi Bellows & Flat

VBF60



Features and Strengths

Highly fast operation in automobile, glass and wooden panel industry
 Excellent for oily surface products and convex products
 Innovatively designed for slightly curved and flat material

Examples of use

Metal Sheets, Car panels, Press metal sheets,
 Glass, Carton boxes, Electronic goods, Carton boxes, Furniture, Wood panel



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
VBF60	22.00	8.94	16.26	18.54	6.84	12.84	16.92

※ The lifting force above does not include safety factor

Material Specifications

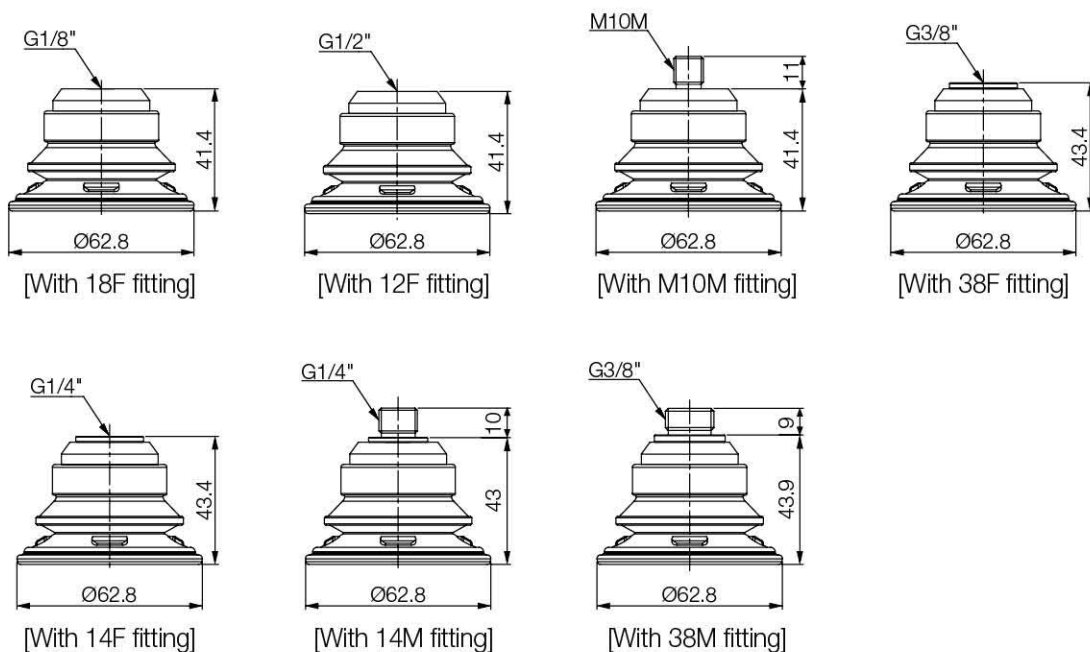
Material	Hardness Shore (°)	Color	Temperature (°C)
NBR	60	Blue	-20~110
Silicone	55	Red	-70~200
Polyurethane	60	Translucent Orange	0~60

Material Resistance

Description	NBR	Silicone	Polyurethane
Wear Resistance	Excellent	Good	Excellent
Oil	Excellent	Poor	Excellent
Weather / Ozone	Fair	Excellent	Excellent
Alcohol	Good	Good	Fair
Acid	Fair	Poor	Fair

Dimension

[Unit : mm]



Build an Ordering No.



: Pre-mounted fitting

1. Suction cup	Description	Weight (g)	Symbol
	Bellows-flat suction cup, 60mm diameter, Nitrile (NBR), M10xP1.5 male fitting	55.71	VBF60-N-M10M
	Bellows-flat suction cup, 60mm diameter, Silicone, M10xP1.5 male fitting	56.3	VBF60-S-M10M
	Bellows-flat suction cup, 60mm diameter, Polyurethane, M10xP1.5 male fitting	60.48	VBF60-PU-M10M
	Bellows-flat suction cup, 60mm diameter, Nitrile (NBR), G1/8 female fitting	57.67	VBF60-N-18F
	Bellows-flat suction cup, 60mm diameter, Silicone, G1/8 female fitting	54.74	VBF60-S-18F
	Bellows-flat suction cup, 60mm diameter, Polyurethane, G1/8 female fitting	57.79	VBF60-PU-18F
	Bellows-flat suction cup, 60mm diameter, Nitrile (NBR), G1/4 female fitting	56.34	VBF60-N-14F
	Bellows-flat suction cup, 60mm diameter, Silicone, G1/4 female fitting	50.99	VBF60-S-14F
	Bellows-flat suction cup, 60mm diameter, Polyurethane, G1/4 female fitting	55.57	VBF60-PU-14F
	Bellows-flat suction cup, 60mm diameter, Nitrile (NBR), G1/4 male fitting	61.61	VBF60-N-14M
	Bellows-flat suction cup, 60mm diameter, Silicone, G1/4 male fitting	58.68	VBF60-S-14M
	Bellows-flat suction cup, 60mm diameter, Polyurethane, G1/4 male fitting	61.73	VBF60-PU-14M
	Bellows-flat suction cup, 60mm diameter, Nitrile (NBR), G3/8 female fitting	55.42	VBF60-N-38F
	Bellows-flat suction cup, 60mm diameter, Silicone, G3/8 female fitting	49.18	VBF60-S-38F
	Bellows-flat suction cup, 60mm diameter, Polyurethane, G3/8 female fitting	52.7	VBF60-PU-38F
	Bellows-flat suction cup, 60mm diameter, Nitrile (NBR), G3/8 male fitting	57.93	VBF60-N-38M
	Bellows-flat suction cup, 60mm diameter, Silicone, G3/8 male fitting	57.56	VBF60-S-38M
	Bellows-flat suction cup, 60mm diameter, Polyurethane, G3/8 male fitting	60.99	VBF60-PU-38M
	Bellows-flat suction cup, 60mm diameter, Nitrile (NBR), G1/2 female fitting	50.9	VBF60-N-12F
	Bellows-flat suction cup, 60mm diameter, Silicone, G1/2 female fitting	47.13	VBF60-S-12F
	Bellows-flat suction cup, 60mm diameter, Polyurethane, G1/2 female fitting	50.13	VBF60-PU-12F