

# SUCTION CUPS / Oval Flat Bellow

## VOBF40x80

### Features and Strengths

Over bellows shaped for handling long, narrow, curved and oily workpieces  
The feet inside the cup provide an anti-slide

### Examples of use

Automotive panels and doors, Metal sheets, Press line  
Carton box, Wood panel, Furniture



### Recommended Lifting Force (Max.)

Model	Volume (cm <sup>3</sup> )	Min. Curvature Radius R(mm)	Lifting Force (Kg) - Perpendicular			Lifting Force (Kg) - Parallel		
			- 20 kPa	- 60 kPa	- 90 kPa	- 20 kPa	- 60 kPa	- 90 kPa
VOBF40x80	22.50	40.00	4.8	12.8	18.2	5.3	15.6	22.9

※ The lifting force above does not include safety factor

### Material Specifications

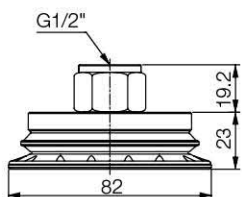
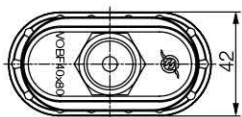
Material	Hardness Shore (°)	Color	Temperature (°C)
Polyurethane	60	Translucent Orange	0~60

### Material Resistance

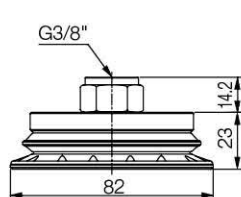
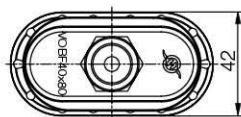
Description	Polyurethane
Wear Resistance	Excellent
Oil	Excellent
Weather / Ozone	Excellent
Alcohol	Fair
Acid	Fair

### Dimension

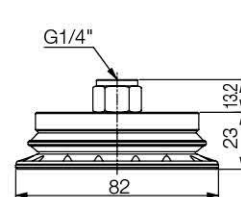
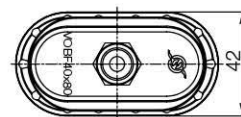
[ Unit : mm ]



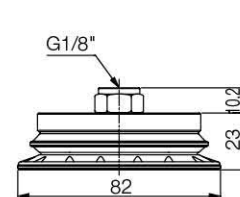
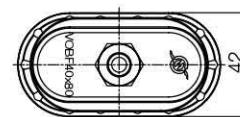
[With 12F fitting]



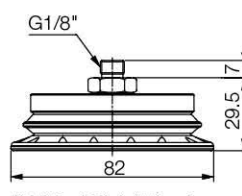
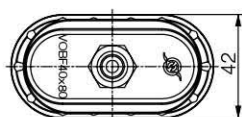
[With 38F fitting]



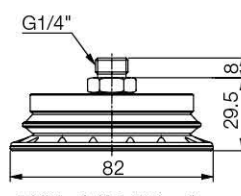
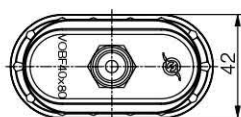
[With 14F fitting]



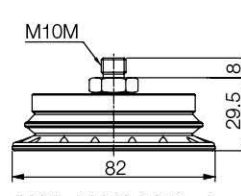
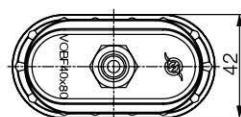
[With 18F fitting]



[With 18M fitting]

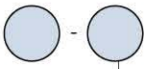


[With 14M fitting]



[With M10M fitting]

## Build an Ordering No.

VOBF40x80 -  : Pre-mounted fitting

**1. Suction Cup**

1. Suction cup	Description	Weight (g)	Symbol
	Oval flat bellow suction cup, 40x80mm diameter, Polyurethane, M10xP1.5 male Fitting	39.44	VOBF40x80-PU-M10M
	Oval flat bellow suction cup, 40x80mm diameter, Polyurethane, G1/8 female Fitting	41.77	VOBF40x80-PU-18F
	Oval flat bellow suction cup, 40x80mm diameter, Polyurethane, G1/8 male Fitting	39.83	VOBF40x80-PU-18M
	Oval flat bellow suction cup, 40x80mm diameter, Polyurethane, G1/4 female Fitting	37.38	VOBF40x80-PU-14F
	Oval flat bellow suction cup, 40x80mm diameter, Polyurethane, G1/4 male Fitting	41.02	VOBF40x80-PU-14M
	Oval flat bellow suction cup, 40x80mm diameter, Polyurethane, G3/8 female Fitting	40.7	VOBF40x80-PU-38F