

# SUCTION CUPS / Deep Flat

## VDF50

### 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 panel, Press metal sheets, Panel,  
 Electronic goods, Flat&curved glass



### Recommended Lifting Force (Max.)

Model	Volume (cm <sup>3</sup> )	Lifting Force (Kg) - Perpendicular			Lifting Force (Kg) - Parallel		
		- 20 kPa	- 60 kPa	- 90 kPa	- 20 kPa	- 60 kPa	- 90 kPa
VDF50	14.00	4.10	10.10	14.00	3.50	9.20	18.50

※ The lifting force above does not include safety factor

### Material Specifications

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

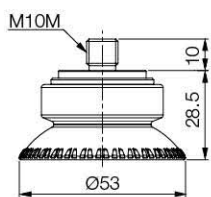
※ For additional material, see page 32~33

### Material Resistance

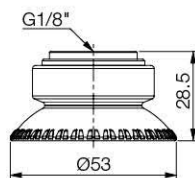
Description	Polyurethane
Wear Resistance	Excellent
Oil	Excellent
Weather / Ozone	Excellent
Alcohol	Fair
Acid	Fair

### Dimension

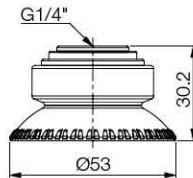
[ Unit : mm ]



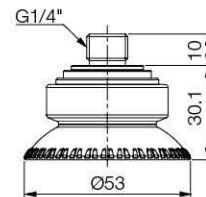
[With M10M fitting]



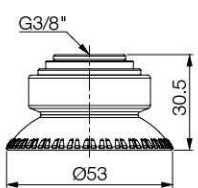
[With 18F fitting]



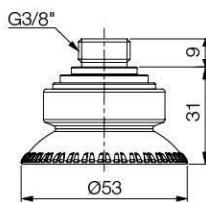
[With 14F fitting]



[With 14M fitting]



[With 38F fitting]



[With 38M fitting]

## I Build an Ordering No.

VDF50 -  -   
1. Suction Cup

: Pre-mounted fitting

1. Suction cup	Description	Weight (g)	Symbol
	Deep-flat suction cup, 50mm diameter, Polyurethane, M10xP1.5 male fitting	40.9	<a href="#">VDF50-PU-M10M</a>
	Deep-flat suction cup, 50mm diameter, Polyurethane, G1/8 female fitting	40.22	<a href="#">VDF50-PU-18F</a>
	Deep-flat suction cup, 50mm diameter, Polyurethane, G1/4 female fitting	49.3	<a href="#">VDF50-PU-14F</a>
	Deep-flat suction cup, 50mm diameter, Polyurethane, G1/4 male fitting	44.16	<a href="#">VDF50-PU-14M</a>
	Deep-flat suction cup, 50mm diameter, Polyurethane, G3/8 female fitting	38.18	<a href="#">VDF50-PU-38F</a>
	Deep-flat suction cup, 50mm diameter, Polyurethane, G3/8 male fitting	46.65	<a href="#">VDF50-PU-38M</a>