

# SUCTION CUPS / Flat & Curve

## FCF60



### Features and Strengths

Excellent for flat and curved material in both vertical and horizontal application  
No vibration when transferring

### 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
FCF60	14.60	5.60	15.20	22.30	5.50	13.30	16.70

※ 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

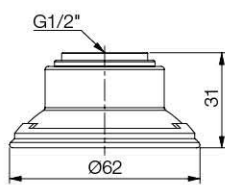
※ For additional material, see page 32~33

### Material Resistance

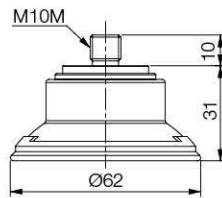
Description	NBR	Silicone	Polyurethane
Wear Resistance	Excellent	Good	Excellent
Oil	Excellent	Poor	Excellent
Weather / Ozone	Fair	Excellent	Excellent
Alcohol	Good	Good	Fair
Acid	Fair	Poor	Fair

### Dimension

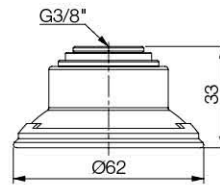
[ Unit : mm ]



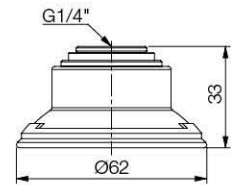
[With 12F fitting]



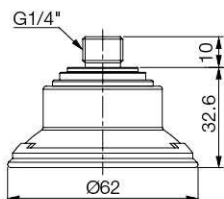
[With M10M fitting]



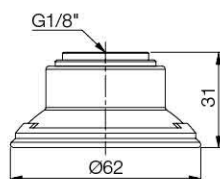
[With 38F fitting]



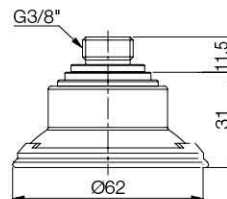
[With 14F fitting]



[With 14M fitting]

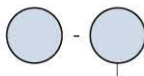


[With 18F fitting]



[With 38M fitting]

## Build an Ordering No.

FCF60 -  : Pre-mounted fitting  
**1. Suction Cup**

1. Suction cup	Description	Weight (g)	Symbol
	Flat-curve suction cup, 60mm diameter, Nitrile (NBR), M10xP1.5 male fitting	54.29	FCF60-N-M10M
	Flat-curve suction cup, 60mm diameter, Silicone, M10xP1.5 male fitting	49.9	FCF60-S-M10M
	Flat-curve suction cup, 60mm diameter, Polyurethane, M10xP1.5 male fitting	51	FCF60-PU-M10M
	Flat-curve suction cup, 60mm diameter, Nitrile (NBR), G1/8 female fitting	50	FCF60-N-18F
	Flat-curve suction cup, 60mm diameter, Silicone, G1/8 female fitting	45.59	FCF60-S-18F
	Flat-curve suction cup, 60mm diameter, Polyurethane, G1/8 female fitting	46.6	FCF60-PU-18F
	Flat-curve suction cup, 60mm diameter, Nitrile (NBR), G1/4 female fitting	59.8	FCF60-N-14F
	Flat-curve suction cup, 60mm diameter, Silicone, G1/4 female fitting	54.67	FCF60-S-14F
	Flat-curve suction cup, 60mm diameter, Polyurethane, G1/4 female fitting	55.68	FCF60-PU-14F
	Flat-curve suction cup, 60mm diameter, Nitrile (NBR), G1/4 male fitting	53.94	FCF60-N-14M
	Flat-curve suction cup, 60mm diameter, Silicone, G1/4 male fitting	49.53	FCF60-S-14M
	Flat-curve suction cup, 60mm diameter, Polyurethane, G1/4 male fitting	50.54	FCF60-PU-14M
	Flat-curve suction cup, 60mm diameter, Nitrile (NBR), G3/8 female fitting	46.74	FCF60-N-38F
	Flat-curve suction cup, 60mm diameter, Silicone, G3/8 female fitting	43.34	FCF60-S-38F
	Flat-curve suction cup, 60mm diameter, Polyurethane, G3/8 female fitting	43.75	FCF60-PU-38F
	Flat-curve suction cup, 60mm diameter, Nitrile (NBR), G3/8 male fitting	54.42	FCF60-N-38M
	Flat-curve suction cup, 60mm diameter, Silicone, G3/8 male fitting	51.02	FCF60-S-38M
	Flat-curve suction cup, 60mm diameter, Polyurethane, G3/8 male fitting	51.43	FCF60-PU-38M
	Flat-curve suction cup, 60mm diameter, Nitrile (NBR), G1/2 female fitting	43.56	FCF60-N-12F
	Flat-curve suction cup, 60mm diameter, Silicone, G1/2 female fitting	40.16	FCF60-S-12F
	Flat-curve suction cup, 60mm diameter, Polyurethane, G1/2 female fitting	40.57	FCF60-PU-12F