

SUCTION CUPS / Flat & Curve

FCF50



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 ³)	Lifting Force (Kg) - Perpendicular			Lifting Force (Kg) - Parallel		
		- 20 kPa	- 60 kPa	- 90 kPa	- 20 kPa	- 60 kPa	- 90 kPa
FCF50	8.00	4.20	10.80	15.40	3.70	6.70	8.90

※ 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

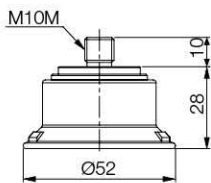
※ For additional material, see page 32~33

Material Resistance

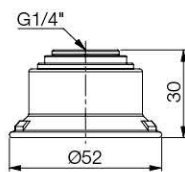
Description	NBR	Silicone	Polyurethane
Wear Resistance	Excellent	Good	Excellent
Oil	Excellent	Poor	Excellent
Weather / Ozone	Fair	Excellent	Excellent
Alcohol	Good	Good	Fair
Acid	Fair	Poor	Fair

Dimension

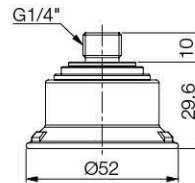
[Unit : mm]



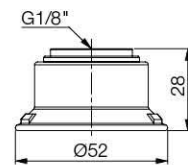
[With M10M fitting]



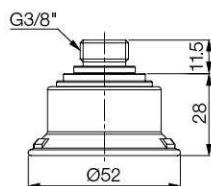
[With 14F fitting]



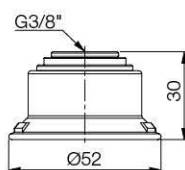
[With 14M fitting]



[With 18F fitting]

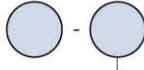


[With 38M fitting]



[With 38F fitting]

Build an Ordering No.

FCF50 -  : Pre-mounted fitting

1. Suction Cup

1. Suction cup	Description	Weight (g)	Symbol
	Flat-curve suction cup, 50mm diameter, Nitrile (NBR), M10xP1.5 male fitting	48.22	FCF50-N-M10M
	Flat-curve suction cup, 50mm diameter, Silicone, M10xP1.5 male fitting	45.5	FCF50-S-M10M
	Flat-curve suction cup, 50mm diameter, Polyurethane, M10xP1.5 male fitting	45.8	FCF50-PU-M10M
	Flat-curve suction cup, 50mm diameter, Nitrile (NBR), G1/8 female fitting	46.26	FCF50-N-18F
	Flat-curve suction cup, 50mm diameter, Silicone, G1/8 female fitting	41.6	FCF50-S-18F
	Flat-curve suction cup, 50mm diameter, Polyurethane, G1/8 female fitting	41.8	FCF50-PU-18F
	Flat-curve suction cup, 50mm diameter, Nitrile (NBR), G1/4 female fitting	55.34	FCF50-N-14F
	Flat-curve suction cup, 50mm diameter, Silicone, G1/4 female fitting	50.68	FCF50-S-14F
	Flat-curve suction cup, 50mm diameter, Polyurethane, G1/4 female fitting	50.88	FCF50-PU-14F
	Flat-curve suction cup, 50mm diameter, Nitrile (NBR), G1/4 male fitting	50.2	FCF50-N-14M
	Flat-curve suction cup, 50mm diameter, Silicone, G1/4 male fitting	45.54	FCF50-S-14M
	Flat-curve suction cup, 50mm diameter, Polyurethane, G1/4 male fitting	45.74	FCF50-PU-14M
	Flat-curve suction cup, 50mm diameter, Nitrile (NBR), G3/8 female fitting	54.3	FCF50-N-38F
	Flat-curve suction cup, 50mm diameter, Silicone, G3/8 female fitting	49.64	FCF50-S-38F
	Flat-curve suction cup, 50mm diameter, Polyurethane, G3/8 female fitting	49.84	FCF50-PU-38F
	Flat-curve suction cup, 50mm diameter, Nitrile (NBR), G3/8 male fitting	52.69	FCF50-N-38M
	Flat-curve suction cup, 50mm diameter, Silicone, G3/8 male fitting	48.03	FCF50-S-38M
	Flat-curve suction cup, 50mm diameter, Polyurethane, G3/8 male fitting	48.23	FCF50-PU-38M