

SUCTION CUPS / Flat & Curve

FCF100



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
FCF100	58.00	14.70	37.10	50.60	13.60	35.40	43.70

※ 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

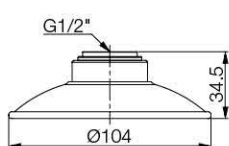
※ For additional material, see page 32~33

Material Resistance

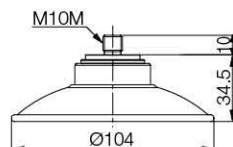
Description	NBR	Silicone	Polyurethane
Wear Resistance	Excellent	Good	Excellent
Oil	Excellent	Poor	Excellent
Weather / Ozone	Fair	Excellent	Excellent
Alcohol	Good	Good	Fair
Acid	Fair	Poor	Fair

Dimension

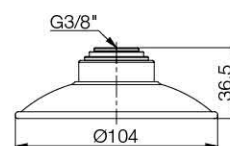
[Unit : mm]



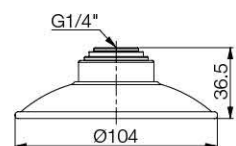
[With 12F fitting]



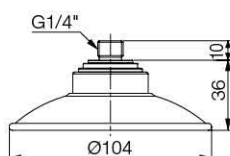
[With M10M fitting]



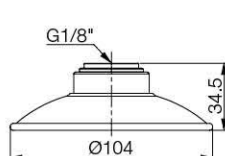
[With 38F fitting]



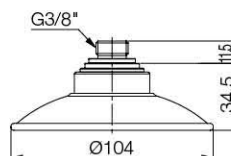
[With 14F fitting]



[With 14M fitting]



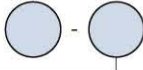
[With 18F fitting]



[With 38M fitting]



Build an Ordering No.

FCF100 -  - 
 1. Suction Cup

: Pre-mounted fitting

1. Suction cup	Description	Weight (g)	Symbol
	Flat-curve suction cup, 100mm diameter, Nitrile (NBR), M10xP1.5 male fitting	80.86	FCF100-N-M10M
	Flat-curve suction cup, 100mm diameter, Silicone, M10xP1.5 male fitting	69.8	FCF100-S-M10M
	Flat-curve suction cup, 100mm diameter, Polyurethane, M10xP1.5 male fitting	75.03	FCF100-PU-M10M
	Flat-curve suction cup, 100mm diameter, Nitrile (NBR), G1/8 female fitting	75.83	FCF100-N-18F
	Flat-curve suction cup, 100mm diameter, Silicone, G1/8 female fitting	69.69	FCF100-S-18F
	Flat-curve suction cup, 100mm diameter, Polyurethane, G1/8 female fitting	71.23	FCF100-PU-18F
	Flat-curve suction cup, 100mm diameter, Nitrile (NBR), G1/4 female fitting	84.91	FCF100-N-14F
	Flat-curve suction cup, 100mm diameter, Silicone, G1/4 female fitting	78.77	FCF100-S-14F
	Flat-curve suction cup, 100mm diameter, Polyurethane, G1/4 female fitting	80.31	FCF100-PU-14F
	Flat-curve suction cup, 100mm diameter, Nitrile (NBR), G1/4 male fitting	79.77	FCF100-N-14M
	Flat-curve suction cup, 100mm diameter, Silicone, G1/4 male fitting	73.63	FCF100-S-14M
	Flat-curve suction cup, 100mm diameter, Polyurethane, G1/4 male fitting	75.17	FCF100-PU-14M
	Flat-curve suction cup, 100mm diameter, Nitrile (NBR), G3/8 female fitting	76.75	FCF100-N-38F
	Flat-curve suction cup, 100mm diameter, Silicone, G3/8 female fitting	68.59	FCF100-S-38F
	Flat-curve suction cup, 100mm diameter, Polyurethane, G3/8 female fitting	68.18	FCF100-PU-38F
	Flat-curve suction cup, 100mm diameter, Nitrile (NBR), G3/8 male fitting	84.43	FCF100-N-38M
	Flat-curve suction cup, 100mm diameter, Silicone, G3/8 male fitting	76.27	FCF100-S-38M
	Flat-curve suction cup, 100mm diameter, Polyurethane, G3/8 male fitting	75.86	FCF100-PU-38M
	Flat-curve suction cup, 100mm diameter, Nitrile (NBR), G1/2 female fitting	73.57	FCF100-N-12F
	Flat-curve suction cup, 100mm diameter, Silicone, G1/2 female fitting	65.41	FCF100-S-12F
	Flat-curve suction cup, 100mm diameter, Polyurethane, G1/2 female fitting	65	FCF100-PU-12F

