

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 |

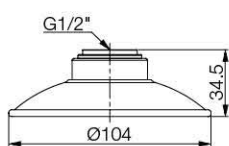
※ For additional material, see page 32~33

Material Resistance

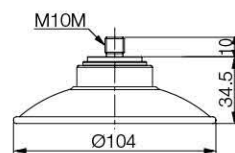
| Description | NBR | Silicone | Polyurethane |
|-----------------|-----------|-----------|--------------|
| Wear Resistance | Excellent | Good | Excellent |
| Oil | Excellent | Poor | Excellent |
| Weather / Ozone | Fair | Excellent | Excellent |
| Alcohol | Good | Good | Fair |
| Acid | Fair | Poor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

Dimension

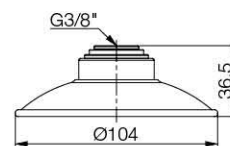
[Unit : mm]



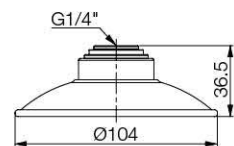
[With 12F fitting]



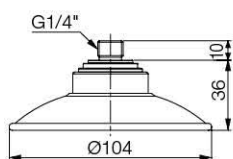
[With M10M fitting]



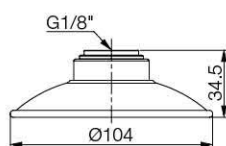
[With 38F fitting]



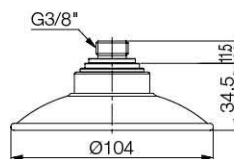
[With 14F fitting]



[With 14M fitting]

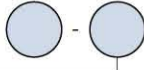


[With 18F fitting]



[With 38M fitting]

Build an Ordering No.

FCF100 -  : Pre-mounted fitting
1. Suction Cup

| 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 |