

F50MF



FLAT SUCTION CUP WITH CLEATS, MARK FREE

- ▶ Suction cup of TPU, a mark free material that leaves no trace on the object being handled.
- ▶ Suitable for flat surfaces.
- ▶ Good stability and little inherent movement.
- ▶ Recommended when the lifting force is parallel to the surface of the object.

LIFTING FORCES & TECHNICAL DATA

| Lifting force vertical to the surface, N, at vacuum level | | | Lifting force parallel to the surface, N, at vacuum level | | | Volume | Min. curve radius | Max. vertical movement | Weight rubber part |
|---|---------|---------|---|---------|---------|-----------------|-------------------|------------------------|--------------------|
| 20 -kPa | 60 -kPa | 90 -kPa | 20 -kPa | 60 -kPa | 90 -kPa | cm ³ | mm | mm | g |
| 24.5 | 92 | 141 | 31 | 82 | 107 | 10 | 95 | 2.0 | 10 |

MATERIAL SPECIFICATIONS

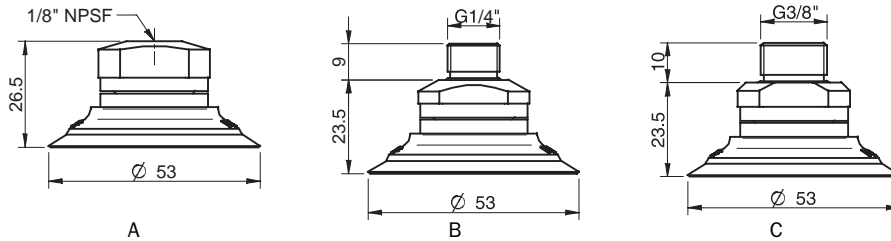
| Material | Colour | Hardness °Shore A | Temperature range °C |
|---------------------------------|-------------------|-------------------|----------------------|
| Thermoelastic polyurethane, TPU | Transparent white | 81 | -20-80 |

MATERIAL RESISTANCE

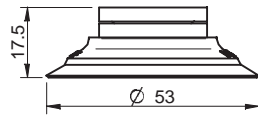
| Wear resistance | Oil | Weather & Ozone | Hydrolysis | Petrol | Concentrated acids | Alcohol | Oxidation |
|-----------------|-----------|-----------------|------------|--------|--------------------|---------|-----------|
| Excellent | Excellent | Excellent | Poor | Poor | Poor | Good | Good |

ORDERING INFORMATION

| Complete suction cups | | Art. No. |
|-----------------------|--|----------|
| A | Suction cup F50MF Thermoelastic polyurethane, 1/8" NPSF female, with mesh filter | 0101791 |
| B | Suction cup F50MF Thermoelastic polyurethane, G1/4" male, with mesh filter | 0101786 |
| B | Suction cup F50MF Thermoelastic polyurethane, G1/4" male, with mesh filter and dual flow control valve | 0101793 |
| C | Suction cup F50MF Thermoelastic polyurethane, G3/8" male, with mesh filter | 0101788 |



| Rubber parts | | Art. No. |
|--|--|----------|
| Suction cup F50MF Thermoelastic polyurethane | | 0101143 |



| Fittings | | Art. No |
|--|--|---------|
| Fitting 1/8" NPSF female, 50, with mesh filter | | 0101154 |
| Fitting 1/8" NPSF female, 50, with dual flow control valve | | 3251012 |
| Fitting G1/4" male, 50, with mesh filter | | 3250092 |
| Fitting G1/4" male, with mesh filter and dual flow control valve | | 3251013 |
| Fitting G3/8" male, 50, with mesh filter | | 3250087 |
| Fitting G3/8" male, 50, with mesh filter and dual flow control valve | | 3251015 |
| Fitting 5x1/8" NPSF female, 50 | | 0100262 |
| Fitting 5x1/8" NPSF female, 50, with dual flow control valve | | 3251017 |
| Fitting 1/8" NPSF female, 50, PA | | 3150198 |

For further information and dimensioned drawings, see *SUCTION CUPS FITTINGS* chapter.

Suction cups
F-MF