

F15



FLAT SUCTION CUP WITH CLEATS

- ▶ Suitable for flat objects.
- ▶ Good stability and little inherent movement.
- ▶ Recommended when the lifting force is parallel to the surface of the object.
- ▶ Cleats prevent thin, sensitive objects from being deformed and gives extra friction when the lifting force is parallel.

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 cm ³ | Min. curve radius mm | Max. vertical movement mm | Weight rubber part g |
|---|---------|---------|---|---------|---------|---------------------------|-------------------------|------------------------------|-------------------------|
| 20 -kPa | 60 -kPa | 90 -kPa | 20 -kPa | 60 -kPa | 90 -kPa | | | | |
| 3.5 | 8.5 | 11.0 | 3.5 | 6.5 | 7.5 | 0.37 | 13 | 1.0 | 0.9 |

MATERIAL SPECIFICATIONS

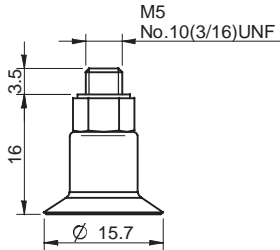
| Material | Colour | Hardness °Shore A | Temperature range °C |
|-----------------|--------|----------------------|-------------------------|
| Chloroprene, CR | Black | 50 | -40-110 |
| Silicone, SIL | Red | 50 | -40-200 |

MATERIAL RESISTANCE

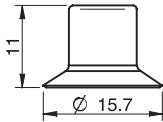
| Material | Wear resistance | Oil | Weather & ozone | Hydrolysis | Petrol | Concentrated acids | Alcohol | Oxidation |
|-----------------|-----------------|------|-----------------|------------|--------|--------------------|---------|-----------|
| Chloroprene, CR | Excellent | Fair | Good | Good | Fair | Poor | Good | Good |
| Silicone, SIL | Good | Poor | Excellent | Fair | Poor | Poor | Good | Excellent |

ORDERING INFORMATION

| Complete suction cups | Art. No. |
|--------------------------------------|----------|
| Suction cup F15 Chloroprene, M5 male | 3150014 |
| Suction cup F15 Silicone, M5 male | 3150014S |



| Rubber parts | Art. No. |
|-----------------------------|----------|
| Suction cup F15 Chloroprene | 3150125 |
| Suction cup F15 Silicone | 3150125S |



| Fittings | Art. No. |
|------------------------|----------|
| Fitting M5 male, 10-15 | 3107030 |

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