

FC25P



FLAT, CONCAVE SUCTION CUP WITH CLEATS

- ▶ Suitable for lifting small objects and narrow parts, also slightly domed, flat and oily surfaces, e.g., such as those encountered when handling steel sheets in press processes.
- ▶ Thanks to the high friction of the rubber material, the suction cups can withstand high forces at rapid accelerations in horizontal directions, even on oily surfaces.
- ▶ The suction cups have cleats that prevent thin objects from being disfigured.
- ▶ DURAFLEX® suction cups manufactured in a specially developed material that features the elasticity of rubber and wear resistance of polyurethane. The material does not leave any marks on the objects handled.

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 | | | | |
| 8.0 | 20.0 | 27 | 9.0 | 12.0 | 18.0 | 3.0 | 45 | 4.0 | 3 |

MATERIAL SPECIFICATIONS

| Material | Colour | Hardness °Shore A | Temperature range °C |
|--------------------|------------------|----------------------|-------------------------|
| Polyurethane, PU50 | Blue transparent | 50 | 10–50 |

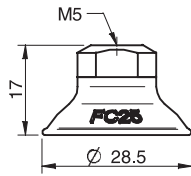
MATERIAL RESISTANCE

| Wear resistance | Oil | Weather & ozone | Hydrolysis | Petrol | Concentrated acids | Ethanol | Methanol | Oxidation |
|-----------------|-----------|-----------------|------------|--------|--------------------|---------|----------|-----------|
| Excellent | Excellent | Excellent | Fair** | Fair | Fair** | Fair | Poor | Poor |

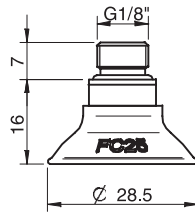
**Please contact Piab.

ORDERING INFORMATION

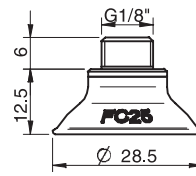
| Complete suction cups | | Art. No. |
|-----------------------|---|----------|
| A | Suction cup FC25P Polyurethane 50, M5 female | 0106719 |
| B | Suction cup FC25P Polyurethane 50, G1/8" male, with mesh filter | 0106721 |
| C | Suction cup FC25P Polyurethane 50, G1/8" male / M5 female, with mesh filter | 0106720 |



A



B



C

| Rubber part | | Art. No. |
|-----------------------------------|--|----------|
| Suction cup FC25P Polyurethane 50 | | 0104803 |



| Fittings | | Art. No. |
|--|--|----------|
| Fitting M5 female | | 3250003 |
| Fitting G1/8" male, with mesh filter | | 3250085 |
| Fitting G1/8" male/M5 female, with mesh filter | | 0101152 |

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

Suction cups
FC-P