

Suction cups

Using suction cups is a lifting technique of many possibilities. Different applications need different requirements. Piab offers one of the market's widest ranges of suction cups so that each application will have its own solution. You are welcome to tell us about your needs.

Oily sheet metal

Special designed friction cups for oily surfaces, such as sheets in metal forming processes. Thanks to the strong grip on oily surfaces, the suction cups can withstand high shear forces, typically 2–4 times more than corresponding conventional suction cups.



Dry sheet metal

These cups meet the strict demands of the automotive industry. A typical application is the feeding of sheet metal into a press tool. The slightly curved shape and internal cleats provide a good grip and the strengthened lip extends the life of the cup considerably.



Bag opening/thin paper

The bag cups have a wide application area- from very difficult bags such as pouches and heavy bags with e.g. liquids to small light bags. Some of the cups have a material that is approved by FDA* and meets EU's regulation**



Corrugated/ cardboard

Suitable for uneven and porous surfaces such as corrugated paper and cardboard.



Food contact material (FDA&EU)

The material is approved by FDA* and meets EU's regulation**. Most of the cups are transparent with no addition of pigments



Food contact material (FDA&EU) detectable

A broad program of suction cups to pick directly on different food objects. The material is approved by FDA* and meets EU's regulation**. All cups are blue and detectable. Cups and fittings all have a hygienic design in accordance with food standards making them easy to clean. Their design will allow for excellent grip on food parts with irregular surfaces.



Glass handling

Suitable for handling large and heavy sheets, such as glass and metal, with a flat or slightly concave surface. Friction pattern increases safety and capability to handle tilted or standing glass/metal sheets.



Electronic/semiconductor

Small and mid size suction cups for electronic/semiconductor applications. For handling objects with flat or slightly curved surfaces. Some of the cups are short bellows cups which can be used in one lifting device which handle objects with height differences and varying shapes.



High/low temp

These cups can be used at a wide temperature range and have extra high wear resistance. They are also mark-free and oil resistant.



Mark free

The material is a mark-free material that leaves no trace on the object being handled.



Plastic injection molded parts

Can be used on hot surfaces such as picking injection molded products.



Accessories

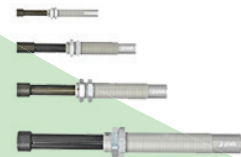
Mounting elements

The mounting element programme consists of mounting brackets, height adjusters, level compensators and suction cup extensions. The parts are designed to fit together for different sizes and applications. The parts are easily mounted on several standard extruded profile systems, not just suitable for one brand of profile. All parts of the same size-category fit perfectly together and thereby create an easy-to-use, compact and flexible/adjustable mounting "assembly kit" for cups.



Level compensators

Adjust differences in levels, for example on lifting devices with several suction cups. There is then less demand for exact positioning of vacuum handling device. Level compensators will also provides a certain degree of shock and vibration absorption.



Ball joints

To avoid bending stress, a suction cup can be fitted with a ball joint.



Suction cup valves

Our suction cup valves are a group of products that serve to save energy in various applications.



Fittings

There are a big variety of fittings for suction cups.

