



Item no: piGRIP®_G.

Configure your piGRIP®

Thousands of suction cups are ready to improve your machine. The piGRIP® is a unique configurable suction cup concept with individually optimized parts for gripping, lifting and height compensation. Also a large selection of fittings makes it ready to fit new machines and easy to retrofit existing cups. The fitting... available are both threaded and push on fittings. The piGRIP® has firm and stable 1-, 3- and 6- folded bellows allows for faster machine speeds and thin-wall design makes them faster to compress using less force and energy. Not to forget the strength of the material increases lifting capacity between 30-50% compared to similar conventional cups. A low micron filter disc inside the bellows is available to traps dust and particles for increasing the system reliability. Also a mesh filter is available in the fitting. Get an excellent grip on almost anything with the right lip for your application. Choose standard lips from 60° shore to extremely flexible, soft lips in 30° shore. Tailor-made Bag lips for handling bags and pouches are also available. Even foam lips for objects which are difficult to grip with traditional cups.

- The standard lip (S) is for versatile use. Within the standard lips there are the green and the blue standard lips. The green standard lip is suitable for relatively even surfaces on sealed materials. It has extra wear resistance. And the blue standard lip is recommended if the surface is more uneven or rough, e.g. textured plastic parts. The material is FDA&EU approved and are recommended for food handling.
- The flexible lips (FX) comes with extra sealing capability. They are suitable for surface leaking materials (wrinkled or textured) and porous materials, such as corrugated paper. Both the blue and yellow flexible lips have FDA&EU approved material and are recommended for food handling.
- The flexible lips (FXI) includes a high flow retainer as well as a slightly higher diam. than the traditional FX lip. The lips comes in 18 and 30 shore - this gives extra ordinary sealing and lifting capabilities. They are suitable for surface leaking-, porous materials and irregular surfaces. Both the 18 shore (Pink) and 30 shore (yellow) lips have FDA&EU approved material recommended for food handling.
- The soft foam lips (FLI-S) are suitable for irregular surfaces. They are really suitable when conventional lips are not sealing enough. They can replace mechanical grippers.
- The rough surface foam lips (FLI-F) are suitable for heavy textured surfaces, objects with relief/embossing and generally very rough surfaces, such as raw wood or structured shower plexiglass. They can handle up to a few millimetres in height differences with very good sealing capability. The material of the rough surface lip is a long-wearing natural foam rubber that is free from silicone.
- The bag lip (BGI) includes a high flow retainer to prevent thin bags/films to be sucked into the cup and thus improves gripping performance. The bag lips (BGI) are excellent for lifting and handling difficult bags and pouches and heavy bags with e.g. liquids. The bag lips have FDA&EU approved material and are recommended for bag handling in food environments. With the enhanced BGI-2 design (Valid for 34, 41, 48 and 63 mm lips), having the same overall geometries, material and sizes as the corresponding BGI lip, these lips also perform really well when picking thin/delicate plastic bags.
- The hot surface lips (HS) are excellent when handling hot objects. Especially when there is a need to pick hot objects, e.g. at injection molding. The material is silicone free (PWIS free), hence is suitable to use for handling items before the painting process.
- The bellows are suitable when level compensation is needed. Firm/stable bellows allows for high machine speeds. They will provide extra high lifting force compared to conventional cups in the same size. The stiff bellows retains its shape even at deep vacuum levels. The bellows are available in FDA&EU material and the material is recyclable.
- The support is the generic interface and is a gateway between fittings and bellows or lips (for flat cups). They adds cleats with good wear resistance and friction to flat cups. They are also available in FDA&EU material and the material is recyclable.
- Available lip diameters; 20-84mm

General

Application	CorrugatedCardboard, HighLowTempCup, MarkFree, PlasticInjectionMoldedParts, DrySheetMetal, BagHandling, FDA, GlassHandling
Suction cup shape	Flat, FlatConcave, Multibellows, Bellows, Foam
Material	TPEU, HNBR, PU, SIL, SILFDA, NRFIRM, EPDMOFT
Suction cup model	B, BP, BFDA, BMF, BFP, BL, BL2, BL2FDA, BL3P, BL4, BL4FDA, BL5, BL5FDA, BXP, F, FC, FP, FFDA, FMF, BBL

Fitting

Fitting option	FD, FM, None
Fitting size	18, 518, 14, 38, 12, M5, M6, M8, M10, M12
Fitting style	M, F
Fitting type	U, G, GL, NT, M, NTL, NS, P, None, C

Dimension

Outer diameter	0.79 - 3.31 in
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