

## Deep family (D)



This family is designed for curved and irregular surfaces. Can lift even over corners and edges. This product is also available in material that is compliant by FDA (FDA 21 CFR 177.2600) and meets EU's regulation EU 1935/2004.

### Lifting forces

	Lifting force vertical to the surface, lbf, at vacuum level			Lifting force parallel to the surface, lbf, at vacuum level		
	6 -inHg	18 -inHg	27 -inHg	6 -inHg	18 -inHg	27 -inHg
D15-2	0.65	1.75	2.47	—	—	—
D20-2	1.33	3.37	4.05	—	—	—
D30-2	3.15	5.85	6.97	—	—	—
D50	8.09	17.54	22.03	—	—	—

### General specifications

	Outer diameter, in	Height, in	Min. curve radius, in	Max. vertical movement, in	Volume, in <sup>3</sup>
D15-2	0.63	0.65	0.24	0.12	0.05
D20-2	0.87	0.52	0.31	0.18	0.15
D30-2	1.26	0.76	0.51	0.20	0.31
D50	2.09	1.24	0.98	0.39	0.92

## Available materials

	Chloroprene, CR	Silicone, SIL	Silicone FDA EU, SIL FDA
D15-2	●	●	●
D20-2	●	●	●
D30-2	●	●	●
D50	●	●	●

## Material resistance

For more material information go to page 23.

## Applications

Table shows typical applications for the suction cup. For more detailed information, please visit [piab.com](https://piab.com).

	Dry sheet metal	FDA EU-standard compliant	Plastic injection molded parts
D15-2	●	●	●
D20-2	●	●	●
D30-2	●	●	●
D50	●	●	●

## Fittings

For a table of possible fittings to use go to page 80 for technical information on all fittings visit [piab.com](https://piab.com).

## Ordering information

For a complete list of available cups and combinations with further information visit [piab.com](https://piab.com). On our webpage you will also be able to find dimensional drawings, CAD-drawings and much more. Register to receive full access to all resources available.