These suction plates provided with vacuum cups have been designed to ensure a better grip on uneven and very flexible surfaces (pasta or candy bags, blister or skin-film packs, thin cardboard boxes, etc.), which are difficult to grip with suction plates coated with foam rubber. We recommend using bellows cups. Thanks to their great flexibility, they adapt themselves to any gripping surface, following its profiles and movements during the lifting phase, guaranteeing a firm and safe grip. They are made with anodised aluminium, as are the vacuum cup supports screwed onto them, which are 1/8″ gas supports and are each equipped with a calibrated hole.

The cups are cold assembled onto the supports with no adhesives and can be provided in other compounds. Also these suction plates are perfectly interchangeable with the standard ones.

Their lifting force has been calculated considering a level of vacuum of at least -75 Kpa, the total vacuum cup gripping surface and a safety factor 3.

They can be supplied upon request with different vacuum cups, provided that their diameter is no larger than 22 mm.
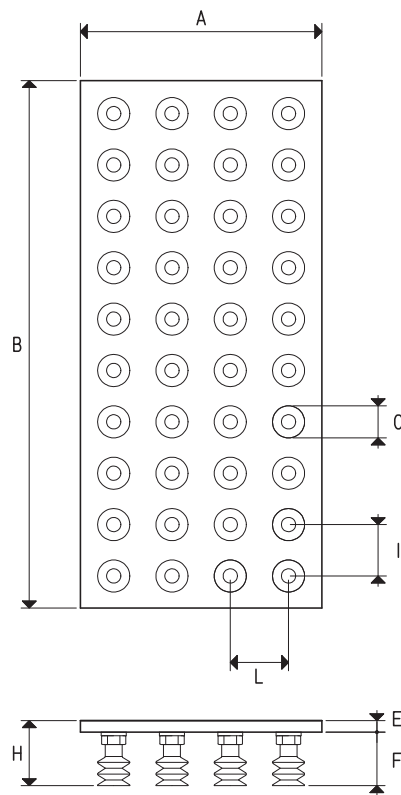




| Item | Force Kg | A | B | C Ø | E | F | H | Vacuum cup example item | I | L | Vacuum cups No. | Weight Kg |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **PV 08 60** | 45.4 | 80 | 600 | 18 | 5 | 36 | 41 | 01 18 29 | 24 | 24 | 72 | 0.83 |
| **PV 08 80** | 60.5 | 80 | 800 | 18 | 5 | 36 | 41 | 01 18 29 | 24 | 24 | 96 | 1.26 |
| **PV 08 100** | 75.6 | 80 | 1000 | 18 | 5 | 36 | 41 | 01 18 29 | 24 | 24 | 120 | 1.52 |
| **PV 08 120** | 92.6 | 80 | 1200 | 18 | 5 | 36 | 41 | 01 18 29 | 24 | 24 | 147 | 1.82 |
| | | | | | | | | | | | | |
| **PV 12 40** | 20.8 | 120 | 400 | 18 | 5 | 36 | 41 | 01 18 29 | 34 | 35 | 33 | 1.14 |
| **PV 12 60** | 60.5 | 120 | 600 | 18 | 5 | 36 | 41 | 01 18 29 | 24 | 24 | 96 | 1.42 |
| **PV 12 80** | 80.6 | 120 | 800 | 18 | 5 | 36 | 41 | 01 18 29 | 24 | 24 | 128 | 1.90 |
| **PV 12 100** | 100.8 | 120 | 1000 | 18 | 5 | 36 | 41 | 01 18 29 | 24 | 24 | 160 | 2.37 |
| **PV 12 120** | 121.0 | 120 | 1200 | 18 | 5 | 36 | 41 | 01 18 29 | 24 | 24 | 192 | 2.84 |
| **PV 12 140** | 143.7 | 120 | 1400 | 18 | 5 | 36 | 41 | 01 18 29 | 24 | 24 | 228 | 3.40 |

NOTE: The code PV .. .. only identifies the suction plate with the relative supports for the vacuum cups screwed onto it.
The vacuum cups indicated in the table or those chosen freely are not included with the suction plate and therefore must be ordered separately.

Transformation ratio: N (newton) = Kg x 9.81 (force of gravity)     $inch = \dfrac{mm}{25.4}$ ; $pounds = \dfrac{g}{453.6} = \dfrac{Kg}{0.4536}$