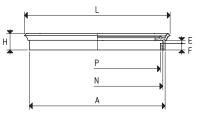
These cups represent a true mobile clamping system. They are composed of:

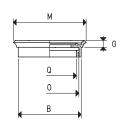
- A sturdy anodised aluminium support with a wide surface at the base limited by a seal whose purpose is to fix it to the bearing surface.
- A standard rectangular flat cup which is cold fitted onto the upper part of the support for gripping the load.

- Two quick couplings for vacuum connection. The detection of vacuum, for gripping and releasing the support, can be made via three-way vacuum valves or solenoid valves.

All cups with self-locking support of this and other ranges with the gripping plane at the same height can be used simultaneously, even if they are of different types or have different sizes.



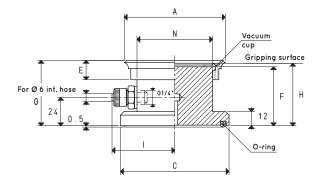


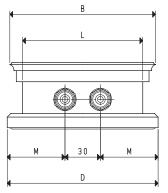


## SPARE VACUUM CUPS

| Item        | Force<br>Kg | Volume<br>cm <sup>3</sup> | Α   | В  | E | F   | G   | Н    | L   | М  | N   | 0  | Ρ   | Q  | <b>Weight</b><br>g |
|-------------|-------------|---------------------------|-----|----|---|-----|-----|------|-----|----|-----|----|-----|----|--------------------|
| 01 40 75 *  | 6.7         | 9.2                       | 64  | 29 | 3 | 7.5 | 6.5 | 16.0 | 75  | 40 | 59  | 24 | 54  | 19 | 15.6               |
| 01 120 90 * | 24.0        | 42.9                      | 107 | 78 | 3 | 7.5 | 7.5 | 17.5 | 117 | 87 | 102 | 73 | 97  | 68 | 38.8               |
| 01 150 75 * | 25.0        | 43.5                      | 137 | 62 | 3 | 7.5 | 7.5 | 16.5 | 147 | 72 | 132 | 57 | 127 | 52 | 41.2               |

\* Complete the code indicating the compound: A= oil-resistant rubber; N= natural para rubber; S= silicone





## VACUUM CUPS WITH SELF-LOCKING SUPPORT

| Item        | <b>Force</b><br>Kg | A  | В   | C  | D   | E    | F  | G    | H    | I    | L   | М    | N  | Vacuum cup<br>item | <b>O-ring</b><br>item | Weight<br>Kg |
|-------------|--------------------|----|-----|----|-----|------|----|------|------|------|-----|------|----|--------------------|-----------------------|--------------|
| 16 40 75 *  | 6.7                | 41 | 76  | 48 | 83  | 16.0 | 51 | 56.5 | 54.5 | 30.5 | 55  | 26.5 | 20 | 01 40 75           | 00 16 09              | 0.260        |
| 16 120 90 * | 24.0               | 90 | 120 | 98 | 128 | 17.5 | 50 | 57.0 | 54.5 | 56.0 | 102 | 49.0 | 70 | 01 120 90          | 00 16 10              | 1.166        |
| 16 150 75 * | 25.0               | 75 | 150 | 83 | 144 | 16.5 | 50 | 57.0 | 54.5 | 48.0 | 130 | 57.0 | 55 | 01 150 75          | 00 16 10              | 1.177        |

\* Complete the code indicating the compound: A= oil-resistant rubber; N= natural para rubber; S= silicone

Note: The force of the vacuum cups indicated in the table represents 1/3 of the value of the theoretical force calculated at a level of vacuum of -75 KPa and a factor of safety 3. Transformation ratio: N (newton) = Kg x 9.81 (force of gravity) inch =  $\frac{mm}{25.4}$ ; pounds =  $\frac{g}{453.6} = \frac{Kg}{0.4536}$