

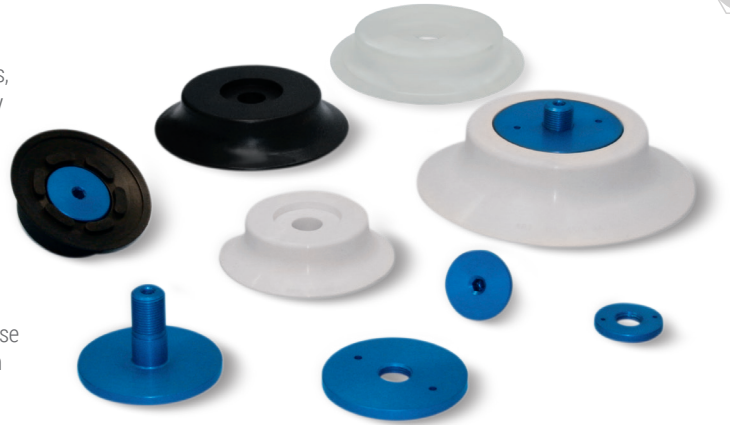


## ROUND FLAT VACUUM CUPS WITH SUPPORTS

The cups described on this page have been designed to solve most of the gripping problems that can arise handling wooden or plastic panels, thin glass or marble sheets, fragile metal sheets, ceramic or baked clay tiles, etc.

Their low, strong and slightly tilted lip does not swipe on the loading surface during the gripping phase.

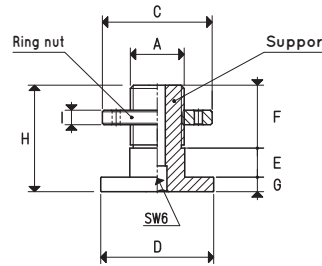
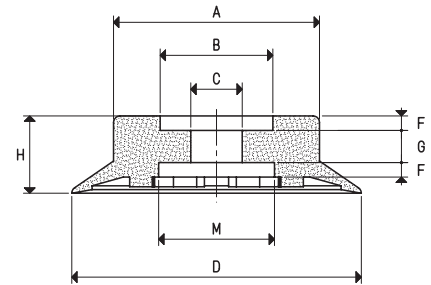
The cleats on the inside of these cups, along with reducing the volume of air to be sucked, create a perfect supporting surface which prevents any gripping surface deformation as well as vertically lifted loads from slipping. These cups can be cold fitted with no adhesives onto their anodised aluminium support and locked by the ring nut. These cups are extremely easy to replace; simply request the cup indicated in the table in the desired compound when requesting the spare part.



### VACUUM CUPS

| Item               | Force Kg | Volume cm <sup>3</sup> | A Ø | B Ø | C Ø | D Ø | F   | G  | H  | M Ø |
|--------------------|----------|------------------------|-----|-----|-----|-----|-----|----|----|-----|
| <b>01 76 24 *</b>  | 11.33    | 15.8                   | 54  | 35  | 16  | 76  | 4.5 | 10 | 24 | 36  |
| <b>01 90 24 *</b>  | 15.89    | 19.5                   | 64  | 35  | 16  | 90  | 4.5 | 10 | 24 | 36  |
| <b>01 110 24 *</b> | 23.74    | 27.2                   | 79  | 35  | 16  | 110 | 4.5 | 10 | 24 | 36  |
| <b>01 150 36 *</b> | 45.00    | 75.8                   | 98  | 70  | 16  | 150 | 6.0 | 17 | 36 | 70  |

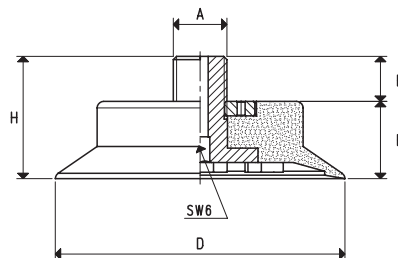
\* Complete the code indicating the compound: A= oil-resistant rubber; N= natural para rubber; S= silicone



### SUPPORTS

| Item             | A Ø   | C Ø | D Ø | E  | F    | G   | H    | I   | Support/ring nut material | For vacuum cup item               | Weight g |
|------------------|-------|-----|-----|----|------|-----|------|-----|---------------------------|-----------------------------------|----------|
| <b>00 08 108</b> | G1/4" | 34  | 35  | 9  | 19.5 | 4.5 | 33.0 | 4.5 | aluminium                 | 01 76 24<br>01 90 24<br>01 110 24 | 31.2     |
| <b>00 08 110</b> | G3/8" | 34  | 35  | 9  | 19.5 | 4.5 | 33.0 | 4.5 | aluminium                 | 01 76 24<br>01 90 24<br>01 110 24 | 33.7     |
| <b>00 08 112</b> | G3/8" | 69  | 69  | 15 | 22.0 | 5.5 | 42.5 | 6.0 | aluminium                 | 01 150 36                         | 132.1    |

Note: the ring nut is provided automatically when the support is ordered with its own item



### VACUUM CUP WITH SUPPORT

| Item                    | Force Kg | A Ø   | D Ø | E  | F  | H  | Vacuum cup item | Support item | Weight g |
|-------------------------|----------|-------|-----|----|----|----|-----------------|--------------|----------|
| <b>08 76 24 1/4" *</b>  | 11.33    | G1/4" | 76  | 24 | 14 | 38 | 01 76 24        | 00 08 108    | 83.1     |
| <b>08 90 24 1/4" *</b>  | 15.89    | G1/4" | 90  | 24 | 14 | 38 | 01 90 24        | 00 08 108    | 112.0    |
| <b>08 110 24 1/4" *</b> | 23.74    | G1/4" | 110 | 24 | 14 | 38 | 01 110 24       | 00 08 108    | 168.2    |
| <b>08 76 24 3/8" *</b>  | 11.33    | G3/8" | 76  | 24 | 14 | 38 | 01 76 24        | 00 08 110    | 85.6     |
| <b>08 90 24 3/8" *</b>  | 15.89    | G3/8" | 90  | 24 | 14 | 38 | 01 90 24        | 00 08 110    | 114.5    |
| <b>08 110 24 3/8" *</b> | 23.74    | G3/8" | 110 | 24 | 14 | 38 | 01 110 24       | 00 08 110    | 170.7    |
| <b>08 150 36 *</b>      | 45.00    | G3/8" | 150 | 36 | 14 | 50 | 01 150 36       | 00 08 112    | 436.5    |

\* 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)

$$\text{inch} = \frac{\text{mm}}{25.4}; \text{pounds} = \frac{\text{g}}{453.6} = \frac{\text{Kg}}{0.4536}$$

Adapters for GAS - NPT threading available on page 1.130