

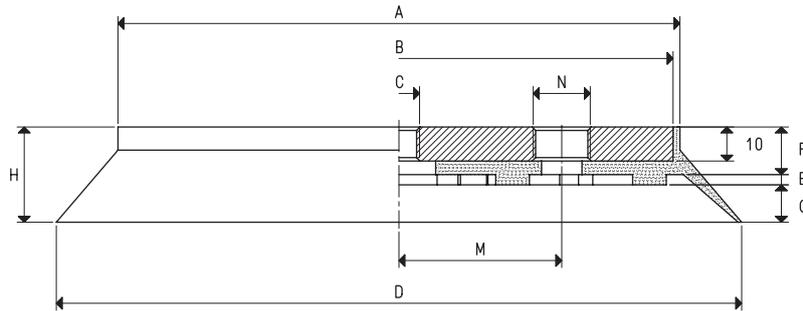


FLAT ROUND VACUUM CUPS WITH VULCANISED SUPPORT

These cups have been designed for lifting and handling heavy loads, both vertically and horizontally. They are vulcanised onto a steel support and are provided with a central threaded hole for its fastening to the automation and with a side threaded hole for vacuum connection.

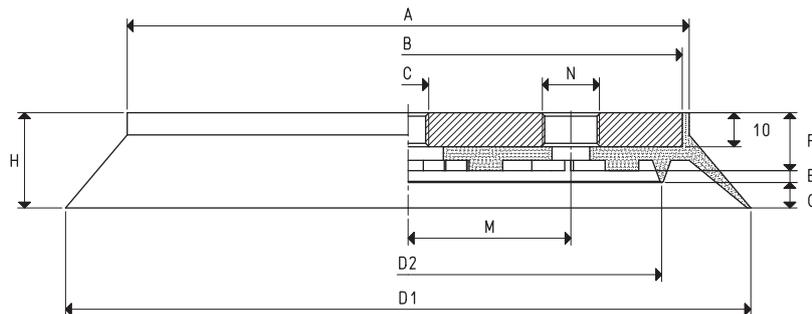
These cups have a labyrinth graved face made with the same compound as the cup, which allows gripping even the thinnest and most fragile glass and marble sheets, with no bending in the gripping area. The shape of its lip and the choice of the compound with which they are made ensure a firm grip on uneven and corrugated surfaces.

The 08 . 40 series, along with sharing the same features, has an internal vertical lip which allows them to grip extremely rough surfaces, such as embossed or profiled metal sheets, sawn marble or granite, wooden boards, precast cement, etc.



VACUUM CUPS WITH VULCANISED SUPPORT

| Item | Force Kg | Compounds available | Volume cm ³ | A Ø | B Ø | C Ø | D Ø | E | F | G | H | M | N Ø | Support material | Weight Kg |
|-------------|----------|---------------------|------------------------|-----|-----|-----|-----|---|----|----|----|------|-------|------------------|-----------|
| 08 110 15 * | 23.7 | A N S | 78.5 | 74 | 70 | M12 | 110 | 2 | 14 | 10 | 26 | 26.0 | G1/4" | steel | 0.33 |
| 08 150 15 * | 45.0 | A N S | 158.9 | 115 | 110 | M12 | 150 | 2 | 14 | 10 | 26 | 40.0 | G3/8" | steel | 0.83 |
| 08 200 10 * | 78.5 | A N S | 341.9 | 164 | 160 | M12 | 200 | 3 | 14 | 11 | 28 | 47.5 | G3/8" | steel | 1.75 |
| 08 250 10 * | 122.6 | A N S | 540.1 | 214 | 210 | M12 | 250 | 3 | 14 | 11 | 28 | 72.5 | G3/8" | steel | 3.00 |
| 08 300 10 * | 176.6 | A N S | 871.8 | 266 | 260 | M16 | 300 | 5 | 15 | 11 | 31 | 89.0 | G1/2" | steel | 4.70 |
| 08 350 10 * | 240.4 | A N | 1210.1 | 316 | 310 | M16 | 350 | 5 | 15 | 11 | 31 | 89.0 | G1/2" | steel | 6.60 |



VACUUM CUPS WITH VULCANISED SUPPORT

| Item | Force Ø D1 Kg | Force Ø D2 Kg | Compounds available | Volume cm ³ | A Ø | B Ø | C Ø | D1 Ø | D2 Ø | E | F | G | H | M | N Ø | Support material | Weight Kg |
|---------------|---------------|---------------|---------------------|------------------------|-----|-----|-----|------|------|---|----|----|----|------|-------|------------------|-----------|
| 08 110 40 M8* | 23.7 | 9.07 | A N S | 77.7 | 74 | 70 | M8 | 110 | 68 | 3 | 16 | 7 | 26 | 26.0 | G1/4" | steel | 0.36 |
| 08 110 40 * | 23.7 | 9.07 | A N S | 77.7 | 74 | 70 | M12 | 110 | 68 | 3 | 16 | 7 | 26 | 26.0 | G1/4" | steel | 0.34 |
| 08 150 40 * | 45.0 | 21.60 | A N S | 156.0 | 115 | 110 | M12 | 150 | 105 | 3 | 16 | 7 | 26 | 40.0 | G3/8" | steel | 0.85 |
| 08 200 40 * | 78.5 | 42.90 | A N S | 334.6 | 164 | 160 | M12 | 200 | 148 | 3 | 17 | 8 | 28 | 47.5 | G3/8" | steel | 1.70 |
| 08 250 40 * | 122.6 | 75.30 | A N S | 546.2 | 214 | 210 | M12 | 250 | 196 | 3 | 17 | 8 | 28 | 72.5 | G3/8" | steel | 3.00 |
| 08 300 40 * | 176.6 | 120.70 | A N S | 874.4 | 266 | 260 | M16 | 300 | 248 | 3 | 18 | 10 | 31 | 89.0 | G1/2" | steel | 4.60 |
| 08 350 40 * | 240.4 | 174.20 | A N | 1219.4 | 316 | 310 | M16 | 350 | 298 | 3 | 18 | 10 | 31 | 89.0 | G1/2" | steel | 6.50 |

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

Note: Cups in special compounds, listed on page 31 can be provided upon specific request in minimum quantities to be defined in the order.

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)

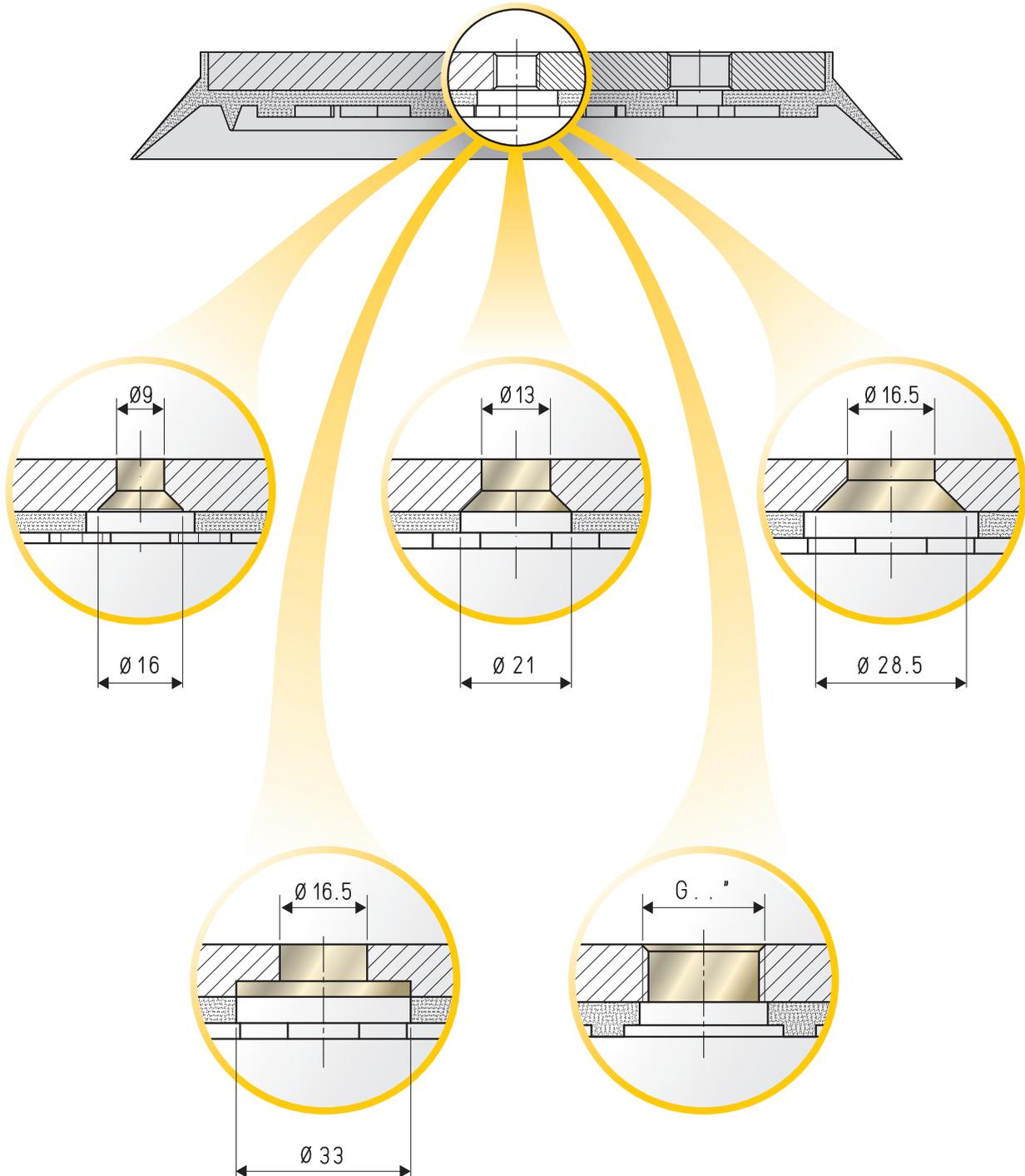
inch = $\frac{\text{mm}}{25.4}$; pounds = $\frac{\text{g}}{453.6} = \frac{\text{Kg}}{0.4536}$

Adapters for GAS - NPT threading available on page 1.134

FLAT ROUND VACUUM CUPS WITH VULCANISED SUPPORT

Vacuum cups Art . 08 . . 15, 08 . . 10 and 08 . . 40 can be supplied with modified supports as shown in the examples, upon specific request and in minimum quantities to be defined in the order.

Below are some examples of modifications:



Note: Cups in special compounds, listed on page 31 can be provided upon specific request in minimum quantities to be defined in the order.

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 = $\frac{\text{mm}}{25.4}$; pounds = $\frac{\text{g}}{453.6} = \frac{\text{Kg}}{0.4536}$ Adapters for GAS - NPT threading available on page 1.134