

RECTANGULAR FLAT FOAM RUBBER VACUUM CUPS WITH SUPPORTS



These foam rubber cups are made with a special compound called GERANIUM, with code OF, with a density that allows them to grip even uneven and very rough surfaces maintaining their elasticity also after many working cycles.

They are provided with self-adhesive side for a quick fixing to their support.

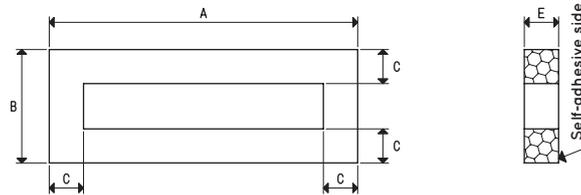
This series of cups has been designed for handling loads with raw or very rough surfaces (sawn, bush-hammered or flamed marble, textured, non-slip or profiled metal sheets, striped Plexiglass, raw cement manufactures, garden tiles with fret, etc.) and in all those cases in which traditional cups cannot be used.

In case of lubricated gripping surfaces, we recommend using NF neoprene foam rubber.

The working temperature range is between -40°C and +80°C for OF GERANIUM foam rubber and between -20°C and +80°C for NF neoprene.

Their supports are made with anodised aluminium and are provided with a threaded hole in the centre for fastening them to the automation. The larger ones, on the other hand, are provided with two threaded holes equidistant from the centre for any necessary insertion of guiding anti-rotation pins.

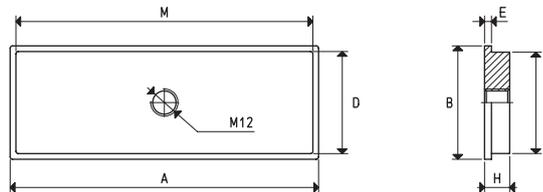
For the spare part, all you have to do is request the self-adhesive foam rubber cup indicated in the table in the required compound.



VACUUM CUPS

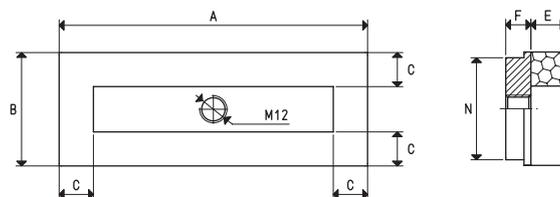
| Item | Force Kg | Volume cm ³ | A | B | C | E |
|-------------|----------|------------------------|-----|----|----|----|
| 01 107 75 * | 9.0 | 55.6 | 107 | 75 | 15 | 15 |
| 01 135 50 * | 6.0 | 34.0 | 135 | 50 | 15 | 15 |
| 01 135 60 * | 8.0 | 50.0 | 135 | 60 | 15 | 15 |

* Complete the code indicating the compound: OF= geranium foam rubber; NF= neoprene foam rubber



SUPPORTS

| Item | A | B | D | E | H | M | N | Support material | For vacuum cup item | Weight g |
|-----------|-----|----|----|---|----|-----|----|------------------|---------------------|----------|
| 00 08 34 | 107 | 75 | 70 | 3 | 11 | 102 | 70 | aluminium | 01 107 75 | 215.5 |
| 00 08 144 | 135 | 50 | 45 | 3 | 11 | 130 | 45 | aluminium | 01 135 50 | 176.1 |
| 00 08 59 | 135 | 60 | 55 | 3 | 11 | 130 | 55 | aluminium | 01 135 60 | 218.4 |



VACUUM CUPS WITH SUPPORT

| Item | Force Kg | A | B | C | E | F | N | Vacuum cup item | Support item | Weight g |
|-------------|----------|-----|----|----|----|----|----|-----------------|--------------|----------|
| 08 107 75 * | 9 | 107 | 75 | 15 | 15 | 11 | 70 | 01 107 75 | 00 08 34 | 229.5 |
| 08 135 50 * | 6 | 135 | 50 | 15 | 15 | 11 | 45 | 01 135 50 | 00 08 144 | 190.6 |
| 08 135 60 * | 8 | 135 | 60 | 15 | 15 | 11 | 55 | 01 135 60 | 00 08 59 | 233.0 |

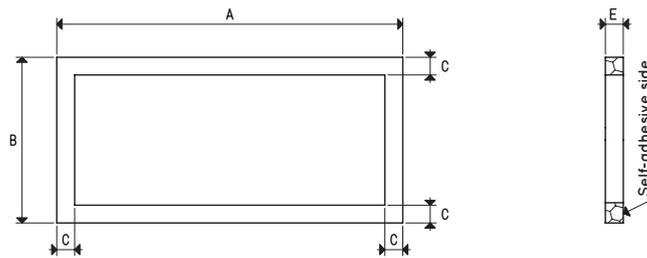
* Complete the code indicating the compound: OF= geranium foam rubber; NF= neoprene foam rubber

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



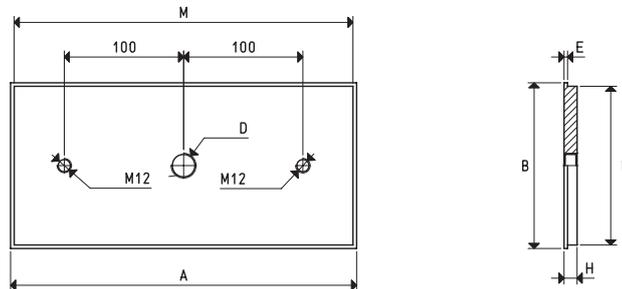
RECTANGULAR FLAT FOAM RUBBER VACUUM CUPS WITH SUPPORTS



VACUUM CUPS

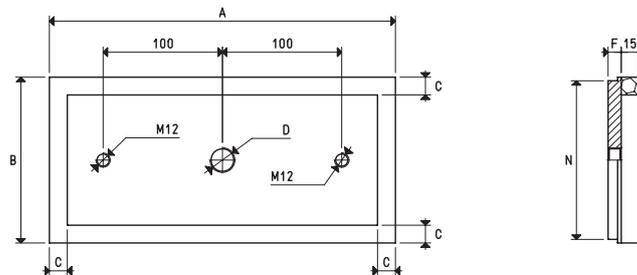
| Item | Force Kg | Volume cm ³ | A | B | C | E |
|--------------|----------|------------------------|-----|-----|----|----|
| 01 290 68 * | 25 | 152.6 | 290 | 68 | 15 | 15 |
| 01 290 140 * | 72 | 434.5 | 290 | 140 | 15 | 15 |

* Complete the code indicating the compound: OF= geranium foam rubber; NF= neoprene foam rubber



SUPPORTS

| Item | A | B | D Ø | E | H | M | N | Support material | For vacuum cup item | Weight Kg |
|-----------|-----|-----|-------|---|----|-----|-----|------------------|---------------------|-----------|
| 00 08 116 | 290 | 68 | G3/8" | 3 | 11 | 284 | 62 | aluminium | 01 290 68 | 0.53 |
| 00 08 117 | 290 | 140 | G1/2" | 3 | 11 | 284 | 134 | aluminium | 01 290 140 | 1.13 |



VACUUM CUPS WITH SUPPORT

| Item | Force Kg | A | B | C | D Ø | F | N | Vacuum cup item | Support item | Weight Kg |
|--------------|----------|-----|-----|----|-------|----|-----|-----------------|--------------|-----------|
| 08 290 68 * | 25 | 290 | 68 | 15 | G3/8" | 11 | 62 | 01 290 68 | 00 08 116 | 0.56 |
| 08 290 140 * | 72 | 290 | 140 | 15 | G1/2" | 11 | 134 | 01 290 140 | 00 08 117 | 1.15 |

* Complete the code indicating the compound: OF= geranium foam rubber; NF= neoprene foam rubber

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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 1.130