

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.

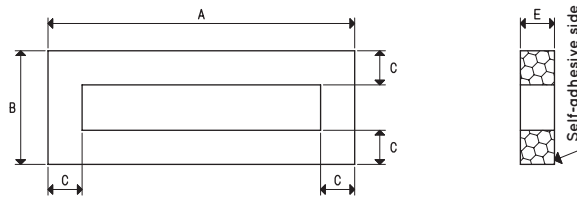
This series of cups has been designed for handling loads with raw or very rough surfaces (sawn, bush-hammered or flamed marble, textured, non-slip or profiled metal sheets, striped Plexiglass, raw cement manufactures, garden tiles with fret, etc.) and in all those cases in which traditional cups cannot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

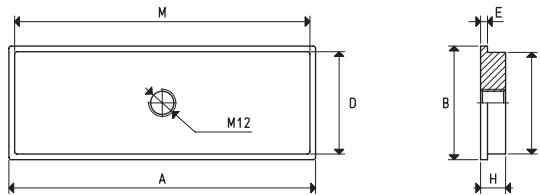
For the spare part, all you have to do is request the self-adhesive foam rubber cup indicated in the table in the required compound.



VACUUM CUPS

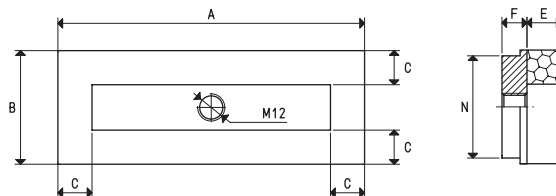
Item	Force Kg	Volume cm ³	A	B	C	E
01 107 75 *	9.0	55.6	107	75	15	15
01 135 50 *	6.0	34.0	135	50	15	15
01 135 60 *	8.0	50.0	135	60	15	15

* 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 = $\frac{\text{g}}{453.6} = \frac{\text{Kg}}{0.4536}$