



RECTANGULAR FLAT FOAM RUBBER VACUUM CUPS WITH SUPPORTS

3D drawings are available on vuotecnica.net

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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.

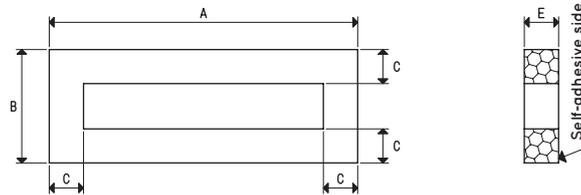
In case of lubricated gripping surfaces, we recommend using NF neoprene foam rubber.

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.

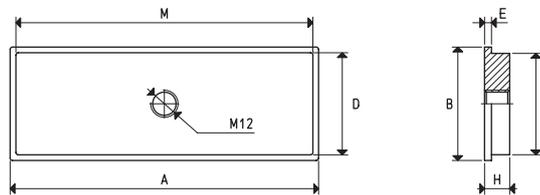
The larger ones, on the other hand, are provided with two threaded holes equidistant from the centre for any necessary insertion of guiding anti-rotation pins.

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.



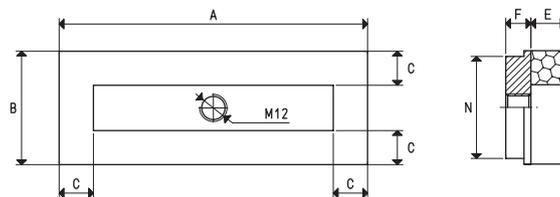
VACUUM CUPS

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



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	Compounds available	A	B	C	E	F	N	Vacuum cup item	Support item	Weight g
08 107 75 *	9	OF/NF	107	75	15	15	11	70	01 107 75	00 08 34	229.5
08 135 50 *	6	OF/NF	135	50	15	15	11	45	01 135 50	00 08 144	190.6
08 135 60 *	8	OF/NF	135	60	15	15	11	55	01 135 60	00 08 59	233.0

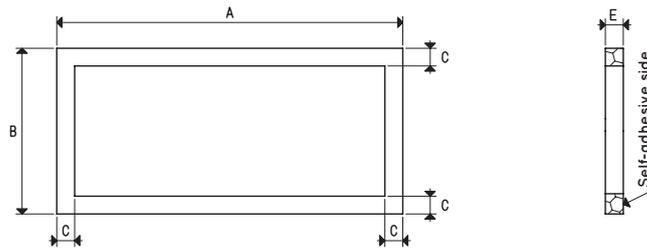
* Complete the code indicating the compound: (OF) = geranium foam rubber; (NF) = neoprene foam rubber

Note: 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.

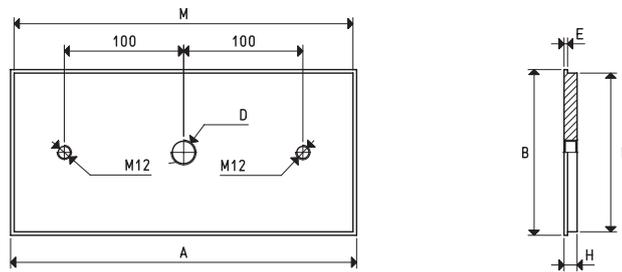
Transformation ratio: N (newton) = Kg x 9.81 (force of gravity) inch = $\frac{\text{mm}}{25.4}$; pounds = $\frac{\text{g}}{453.6} = \frac{\text{Kg}}{0.4536}$

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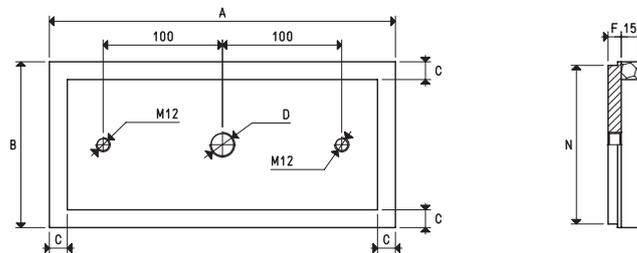
VACUUM CUPS

Item	Force Kg	Compounds available	Volume cm ³	A	B	C	E
01 290 68 *	25	OF/NF	152.6	290	68	15	15
01 290 140 *	72	OF/NF	434.5	290	140	15	15



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

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Transformation ratio: N (newton) = Kg x 9.81 (force of gravity)

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Adapters for GAS - NPT threading available on page 1.134