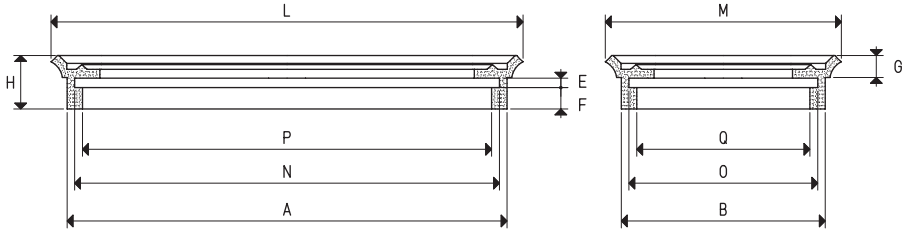
FLAT RECTANGULAR CUPS WITH SUPPORT

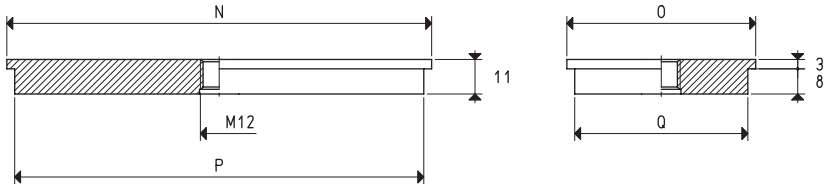
These cups are recommended for working surfaces for clamping wooden panels, marble, granite, ceramic, glass, etc. They are obviously used to handle these materials. Their vertical and low lip allows for a firm grip on the surface to be clamped or handled, eliminating any oscillation and considerably reduces the air volume contained within, thus ensuring a quicker gripping and release. Cups in special compounds indicated at page 21 can be provided upon request in minimum quantities to be defined in the order.
They can be cold-assembled, with no adhesives, onto an anodised aluminium support, provided with a central threaded hole to ease its fastening to the machine.
Larger supports are provided with two threaded holes equidistant from the centre, to allow the possible insertion of guiding anti-rotation pins.
For the spare part, all you have to do is request the cup indicated in the table in the desired compound.



CUPS

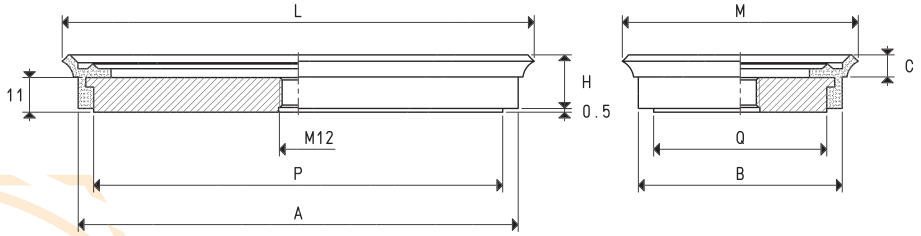
Art.	Force Kg	A	B	E	F	G	H	L	M	N	O	P	Q
01 40 75 *	6.7	64	29	3	7.5	6.5	16.0	75	40	59	24	54	19
01 120 90 *	24.0	107	78	3	7.5	7.5	17.5	117	87	102	73	97	68
01 150 65 *	21.5	137	52	3	7.5	7.5	16.5	147	62	132	47	127	42
01 150 75 *	25.0	137	62	3	7.5	7.5	16.5	147	72	132	57	127	52

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



SUPPORTS

Art.	N	O	P	Q	Support material	Cup art.	Weight g
00 08 31	60	25	55	20	aluminium	01 40 75	34.1
00 08 34	107	75	102	70	aluminium	01 120 90	215.5
00 08 144	135	50	130	45	aluminium	01 150 65	176.1
00 08 59	135	60	130	55	aluminium	01 150 75	218.4

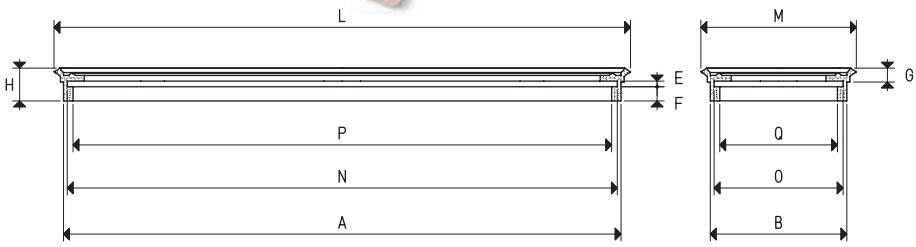


CUPS WITH SUPPORT

Art.	Force Kg	A	B	C	H	L	M	P	Q	Cup Art.	Support Art.	Weight g
08 40 75 *	6.7	66	31	6.5	16.0	76	41	55	20	01 40 75	00 08 31	49.7
08 120 90 *	24.0	112	80	7.5	17.5	120	90	102	70	01 120 90	00 08 34	254.3
08 150 65 *	21.5	140	55	7.5	16.5	150	65	130	45	01 150 65	00 08 144	217.3
08 150 75 *	25.0	140	65	7.5	16.5	150	75	130	55	01 150 75	00 08 59	259.6

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

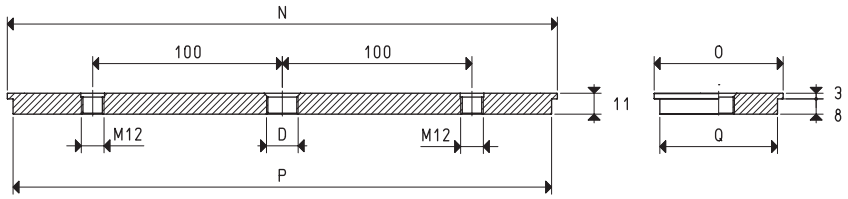
Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$



CUPS

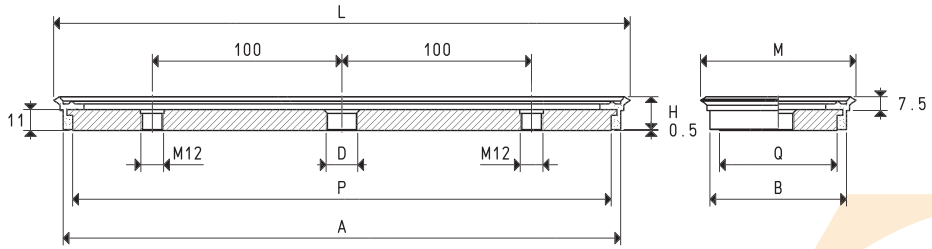
Art.	Force Kg	A	B	E	F	G	H	L	M	N	O	P	Q
01 300 80 *	60.0	288	68	3	7.5	7.5	17.5	297	77	284	64	278	58
01 300 150 *	113.0	288	138	3	7.5	7.5	17.5	297	147	284	134	278	128

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



SUPPORTS

Art.	D Ø	N	O	P	Q	Support material	Cup art.	Weight Kg
00 08 116	G3/8"	290	68	284	62	aluminium	01 300 80	0.53
00 08 117	G1/2"	290	140	284	134	aluminium	01 300 150	1.13



CUPS WITH SUPPORT

Art.	Force Kg	A	B	D Ø	H	L	M	P	Q	Cup Art.	Support Art.	Weight Kg
08 300 80 *	60.0	290	70	G3/8"	17.5	300	80	284	62	01 300 80	00 08 116	0.61
08 300 150 *	113.0	290	140	G1/2"	17.5	300	150	284	134	01 300 150	00 08 117	1.22

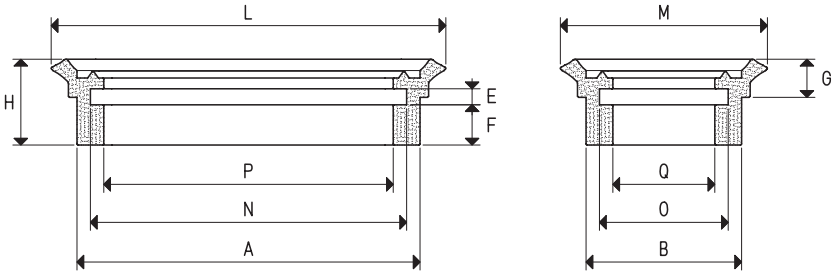
* Complete the code indicating the compound: A= oil-resistant rubber; N= natural para rubber; S= silicon

Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

GAS - NPT thread adapters available at page 1.117

FLAT RECTANGULAR CUPS WITH NON-SLIP SUPPORT

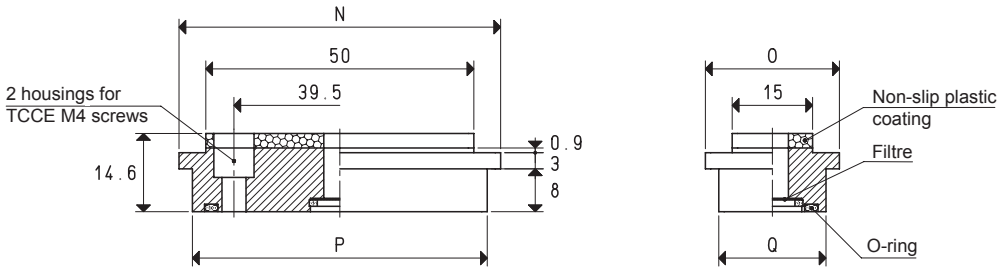
These cups share the same technical and mechanical features with the ones described above, but their support has a special non-slip plastic coating that make them particularly suited for clamping glass and smooth marble.
A built-in stainless steel mesh filter in the suction hole and an O-ring seal at the base of their support are the other main features of these cups.
They are also provided with two or for housings for TCCE screws, according to their size, for fixing them to the workstation.



CUPS

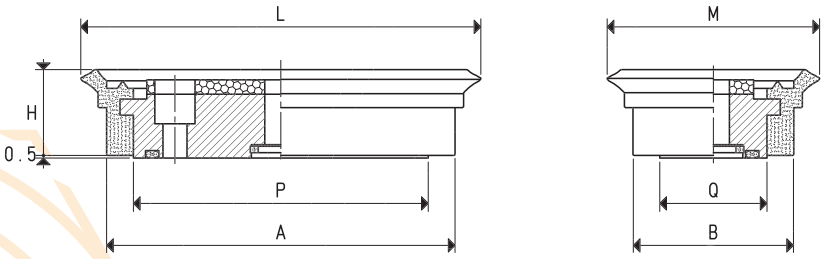
Art.	Force Kg	A	B	E	F	G	H	L	M	N	O	P	Q
01 40 75 *	6.7	64	29	3	7.5	6.5	16.0	75	40	59	24	54	19

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



SUPPORT

Art.	N	O	P	Q	Support material	Cup art.	Weight g
00 08 184	60	25	55	20	aluminium	01 40 75	38.7

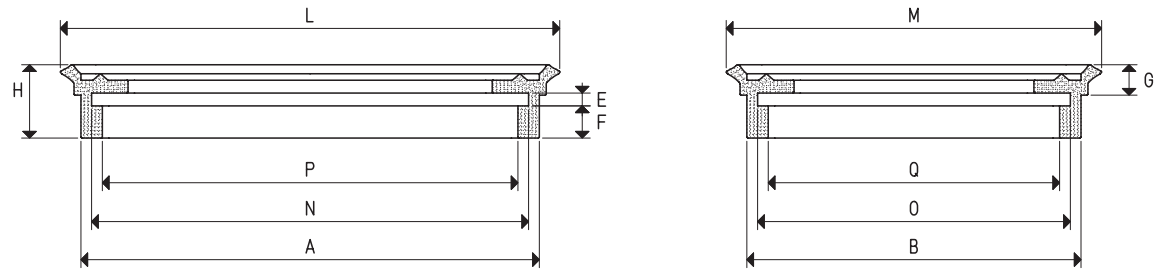


CUP WITH SUPPORT

Art.	Force Kg	A	B	H	L	M	P	Q	Cup Art.	Support Art.	Weight g
08 40 75 M1 *	6.7	66	31	16.0	76	41	55	20	01 40 75	00 08 184	53.5

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

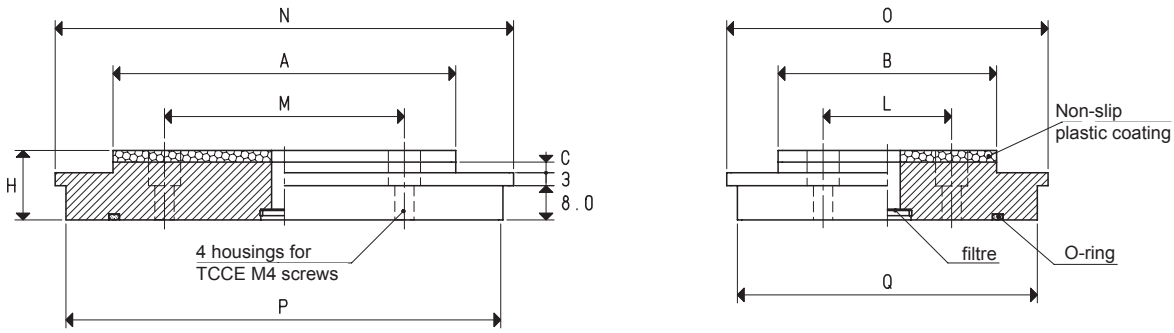
Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$



CUPS

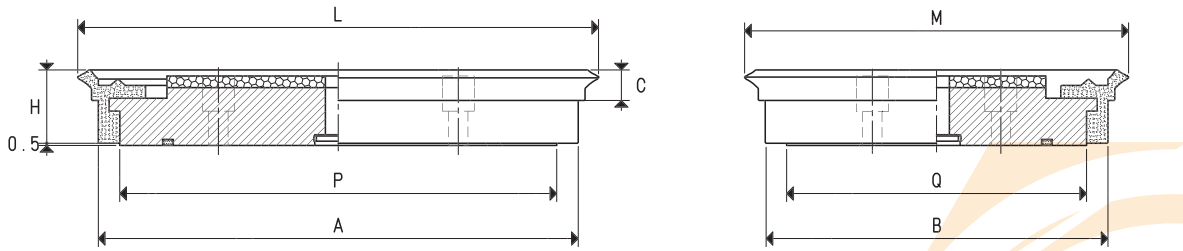
Art.	Force Kg	A	B	E	F	G	H	L	M	N	O	P	Q
01 120 90 *	24.0	107	78	3	7.5	7.5	17.5	117	87	102	73	97	68
01 150 75 *	25.0	137	62	3	7.5	7.5	16.5	147	72	132	57	127	52

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



SUPPORTS

Art.	A	B	C	H	L	M	N	O	P	Q	Support material	Cup art.	Weight g
00 08 256	82	50	2.5	16.2	30	56	107	75	102	70	aluminium	01 120 90	244.5
00 08 257	110	35	2.3	16.4	20	92	135	60	130	55	aluminium	01 150 75	247.9



CUPS WITH SUPPORT

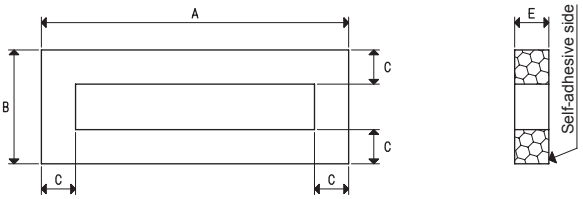
Art.	Force Kg	A	B	C	H	L	M	P	Q	Cup Art.	Support Art.	Weight g
08 120 90 M1 *	24.0	112	80	7.5	17.5	120	90	102	70	01 120 90	00 08 256	283.3
08 150 75 M1 *	25.0	140	65	7.5	16.5	150	75	130	55	01 150 75	00 08 257	289.1

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

Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

FLAT RECTANGULAR FOAM RUBBER CUPS WITH SUPPORT

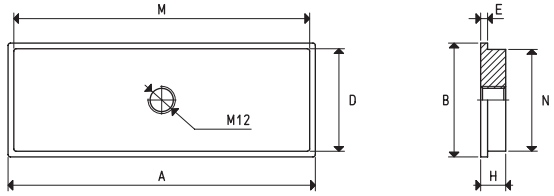
Foam rubber cups are made with a special compound called GERANIUM indicated with OF, with a density that allows them to grip uneven and very rough surfaces and still maintain their elasticity even after many working cycles.
These foam rubber cups have a self-adhesive side for a quick fixing to their support. These cups have been designed for handling loads with raw or very rough surfaces (sawn, bushammered or flamed marble, textured, non-slip or profiled metal sheet, striped plexiglas, raw cement manufactures, garden tiles with fret, etc.) and for all those cases in which traditional cups cannot be used. In case of lubricated gripping surfaces, we recommend using neoprene foam rubber NF.
The working temperature ranges from -40 °C to +80 °C for GERANIUM foam rubber OF and from -20 °C to +80 °C for neoprene foam rubber NF.
Their supports are made with anodised aluminium and they are provided with a central threaded hole to allow its fastening to the machine.
Larger supports, on the other hand, are provided with two threaded holes equidistant from the centre, for the possible insertion of guiding, anti-rotation pins.
For the spare part, all you have to do is request the cup indicated in the table in the desired compound.



CUPS

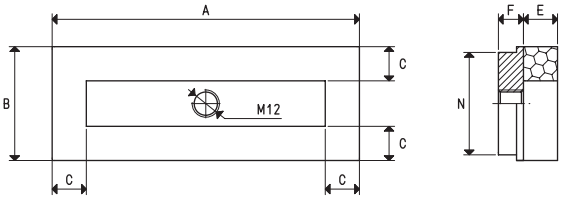
Art.	Force Kg	A	B	C	E
01 107 75 *	9.0	107	75	15	15
01 135 50 *	6.0	135	50	15	15
01 135 60 *	8.0	135	60	15	15

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



SUPPORTS

Art.	A	B	D	E	H	M	N	Support material	Cup art.	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

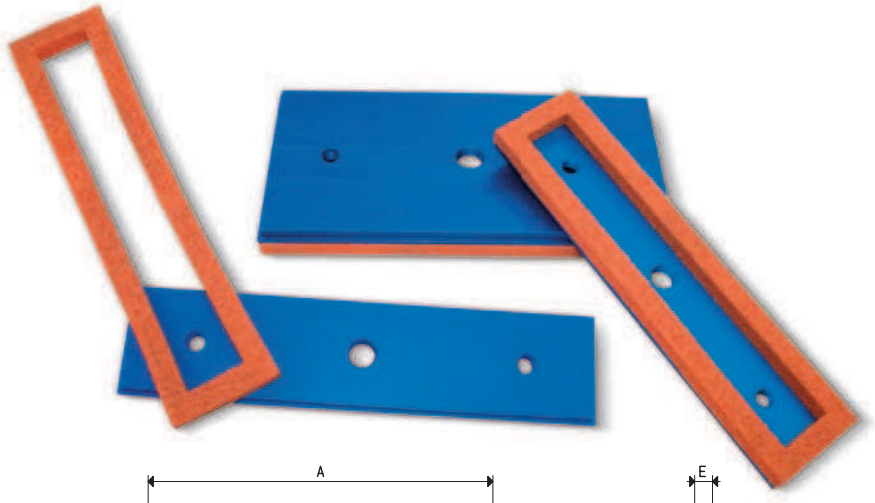


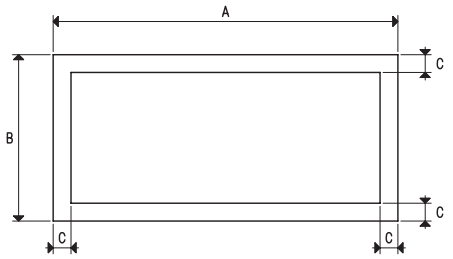
CUPS WITH SUPPORT

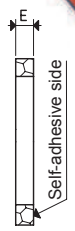
Art.	Force Kg	A	B	C	E	F	N	Cup Art.	Support. Art.	Weight g
08 107 75 *	9	107	75	15	15	11	70	01 107 75	00 08 34	229.5
08 135 50 *	6	135	50	15	15	11	45	01 135 50	00 08 144	190.6
08 135 60 *	8	135	60	15	15	11	55	01 135 60	00 08 59	233.0

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

Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$



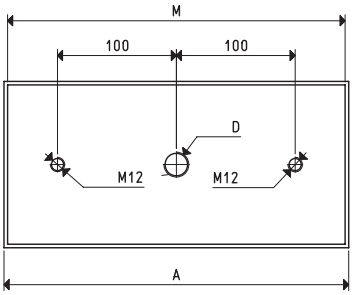


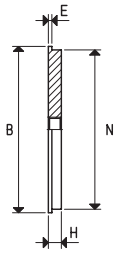


CUPS

Art.	Force Kg	A	B	C	E
01 290 68 *	25	290	68	15	15
01 290 140 *	72	290	140	15	15

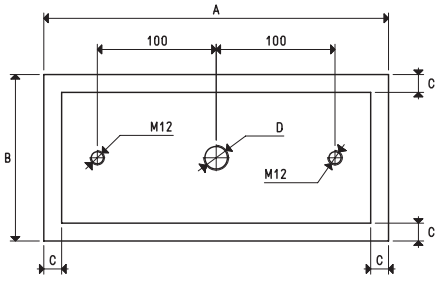
* Complete the code indicating the compound: OF= geranium foam rubber; NF= neoprene foam rubber

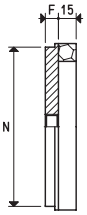




SUPPORTS

Art.	A	B	D Ø	E	H	M	N	Support material	Cup art.	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





CUPS WITH SUPPORT

Art.	Force Kg	A	B	C	D Ø	F	N	Cup Art.	Support Art.	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

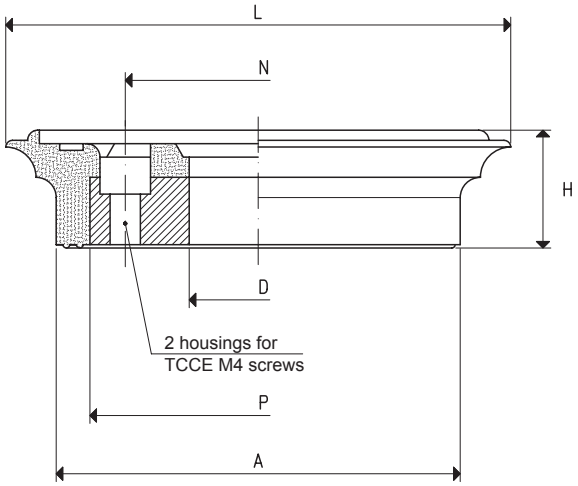
* Complete the code indicating the compound: OF= geranium foam rubber; NF= neoprene foam rubber

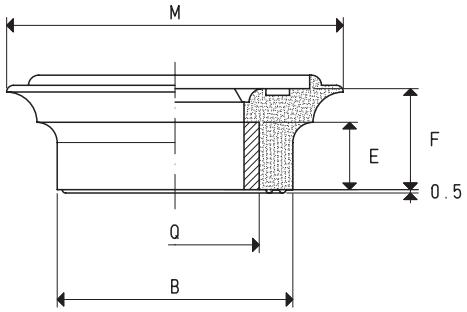
Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6}$ = $\frac{Kg}{0.4536}$

GAS - NPT thread adapters available at page 1.117

FLAT RECTANGULAR CUPS WITH VULCANISED SUPPORT, FOR CLAMPING GLASS AND MARBLE

The manufacturers of glass and marble machining centres require increasingly accurate and safe clamping systems. This has led us to creating this new series of cups.
They are vulcanised onto a steel support and are provided with a hole in the centre for vacuum connection or for a BALL VALVE, as well as with 2 holes on the internal circumference for housing allen screws.
Their extremely flexible lip allows them to easily adapt themselves to the sheets to be held, with no risk of deformation or rupture, even for the thinnest ones. The particular internal support plane of these cups ensure a high friction coefficient with the gripping surface and a considerable grip on wet glass and marble sheets, thanks to the water drainage. All this guarantees a firm and safe grip.
Furthermore, these cups feature the highest accuracy of their thickness, whose nominal height has a tolerance of only five hundredths of millimetre.
They are normally produced with oil-resistant rubber A, but they can be ordered in other compounds, listed at page 21, upon request and in minimum quantities to be defined in the order.





CUP WITH VULCANISED SUPPORT

Art.	Force	A	B	D	E	F	H	L	M	N	P	Q	Support material	Weight
	Kg			Ø										g
08 50 75 A	7.5	60	35	20.5	10	15	17.5	75	50	39.5	50	25	steel	92

3D drawings available at **www.vuototecnica.net**

Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$