



# CIRCULAR RIM VACUUM CUPS WITH SUPPORTS



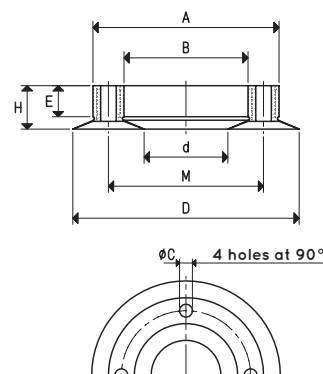
3D drawings are available on [vuotecnica.net](http://vuotecnica.net)

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## VACUUM CUPS

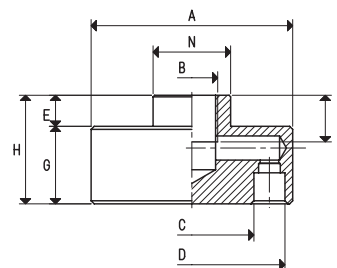
Item	Force Kg	Volume cm <sup>3</sup>	A Ø	B Ø	C Ø	D Ø	d Ø	E	H	M Ø
01 46 13 N	3.87	4.7	35	23	3	46	12	8.5	12.5	29
01 73 14 N	9.02	16.6	60	40	5	73	27	10.0	14.0	50
01 95 14 N	16.28	27.0	71	51	6	95	27	10.0	14.5	61

Compound: N = natural para rubber



## SUPPORTS

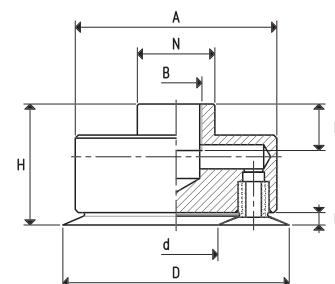
Item	A Ø	B Ø	C Ø	D Ø	E Ø	F	G	H	N Ø	Support material	For vacuum cup item	Weight g
00 08 68	40	M12	23	35	7	10	18	25	20	aluminium	01 46 13	47.2
00 08 72	65	G3/8"	40	60	10	15	25	35	25	aluminium	01 73 14	169.1
00 08 73	76	G3/8"	51	71	10	15	27	37	25	aluminium	01 95 14	266.0



## VACUUM CUPS WITH SUPPORT

Item	Force Kg	A Ø	B Ø	D Ø	d Ø	E	F	H	N Ø	Vacuum cup item	Support item	Weight g
08 46 13 N	3.87	40	M12	46	12	4.5	10	29.5	20	01 46 13 N	00 08 68	53.1
08 73 14 N	9.02	65	G3/8"	73	27	4.0	15	39.0	25	01 73 14 N	00 08 72	189.4
08 95 14 N	16.28	76	G3/8"	95	27	5.5	15	42.5	25	01 95 14 N	00 08 73	292.9

Compound: N = natural para 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 =  $\frac{\text{g}}{453.6} = \frac{\text{Kg}}{0.4536}$

Adapters for GAS - NPT threading available on page 1.130