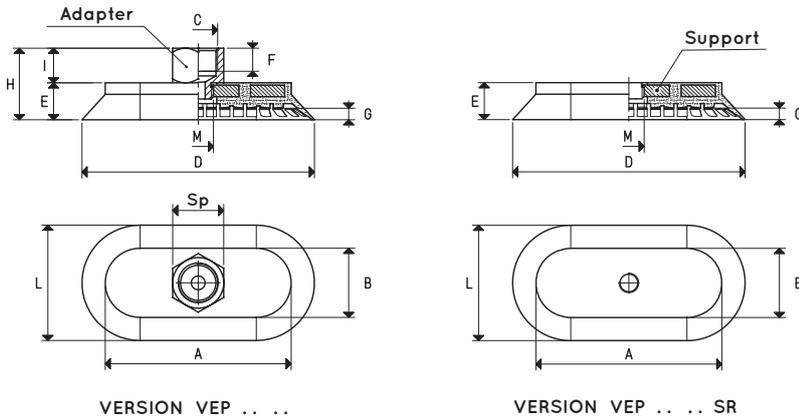


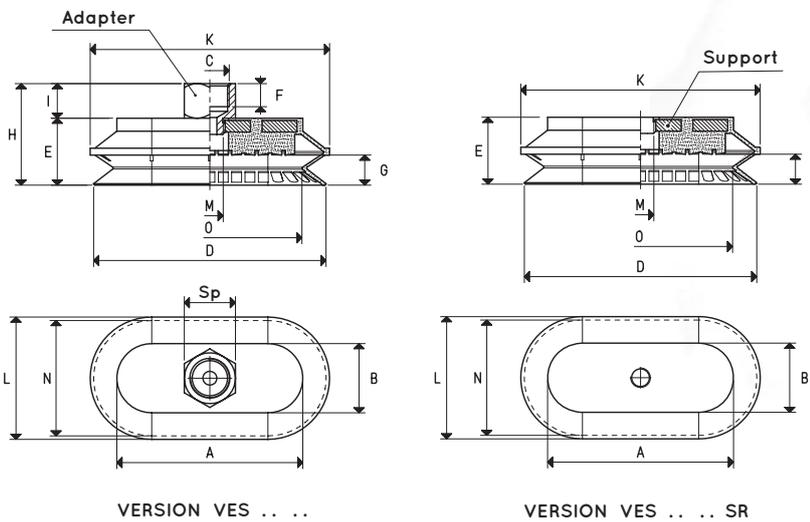
# MAXIGRIP CUPS - FLAT AND BELLOWS ELLIPTICAL VACUUM CUPS



## ELLIPTICAL VACUUM CUPS WITH VULCANISED SUPPORT

Item	Force Kg	Compounds available	Volume cm <sup>3</sup>	A	B	C Ø	Sp	D	E	F	G	H	I	L	M Ø	Support material	Adapter material	Weight g
VEP 30 60 *	4.01	<b>B</b> <b>N</b> <b>S</b>	4.5	47	17	G1/4"	17	60	13	10	3	27	14	30	G1/8"	steel	aluminium	42.6
VEP 30 90 *	6.26	<b>B</b> <b>N</b> <b>S</b>	7.0	77	17	G1/4"	17	90	13	10	3	27	14	30	G1/8"	steel	aluminium	63.5
VEP 40 80 *	7.14	<b>B</b> <b>N</b> <b>S</b>	13.2	70	30	G1/4"	17	80	14	10	4	28	14	40	G1/8"	steel	aluminium	68.0
VEP 50 100 *	11.15	<b>B</b> <b>N</b> <b>S</b>	15.0	80	30	G3/8"	22	100	16	10	5	31	15	50	G1/4"	steel	aluminium	110.0
VEP 60 120 *	16.06	<b>B</b> <b>N</b> <b>S</b>	32.1	95	35	G3/8"	22	120	18	10	6	33	15	60	G1/4"	steel	aluminium	156.1
VEP 70 140 *	21.86	<b>B</b> <b>N</b> <b>S</b>	53.5	110	40	G3/8"	22	140	19	10	7	34	15	70	G1/4"	steel	aluminium	199.4

Note: Add the letters SR to the article to order a suction cup supplied without an adapter (Example: VEP 40 80 SR \*).  
Height "C" available with NPT threading. Ordering example: VEP 40 80 NPT \*



## BELLOWS ELLIPTICAL VACUUM CUPS WITH VULCANISED SUPPORT

Item	Force Kg	Compounds available	Volume cm <sup>3</sup>	A	B	C Ø	Sp	D	E	F	G	H	K	I	L	M Ø	N	O	Support material	Adapter material	Weight g
VES 30 60 *	4.01	<b>B</b> <b>N</b> <b>S</b>	12.6	50	20	G1/4"	17	60	21	10	7.0	35	63	14	33	G1/8"	30	44.5	steel	aluminium	49.5
VES 40 80 *	7.14	<b>B</b> <b>N</b> <b>S</b>	24.8	70	30	G1/4"	17	80	23	10	9.0	37	83	14	43	G1/8"	40	64.0	steel	aluminium	91.9
VES 50 100 *	11.15	<b>B</b> <b>N</b> <b>S</b>	57.6	80	30	G3/8"	22	100	29	10	13.0	44	103	15	53	G1/4"	50	79.0	steel	aluminium	125.3
VES 70 140 *	21.86	<b>B</b> <b>N</b> <b>S</b>	122.8	110	40	G3/8"	22	140	33	10	16.5	48	143	15	73	G1/4"	70	109.0	steel	aluminium	227.8

Note: Add the letters SR to the article to order a suction cup supplied without an adapter (Example: VES 40 80 SR \*).  
Height "C" available with NPT threading. Ordering example: VES 40 80 NPT \*

\* Complete the code indicating the compound: **B** = BENZ rubber; **N** = para rubber; **S** = silicone

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)

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

Adapters for GAS - NPT threading available on page 1.134