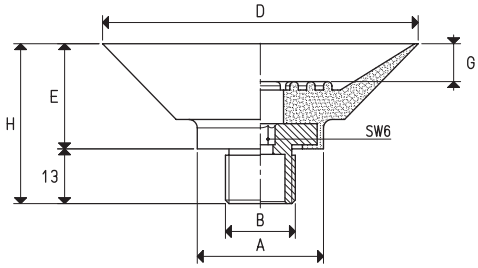
SELF-LOCKING VACUUM CUPS WITH TRACTION RELEASE

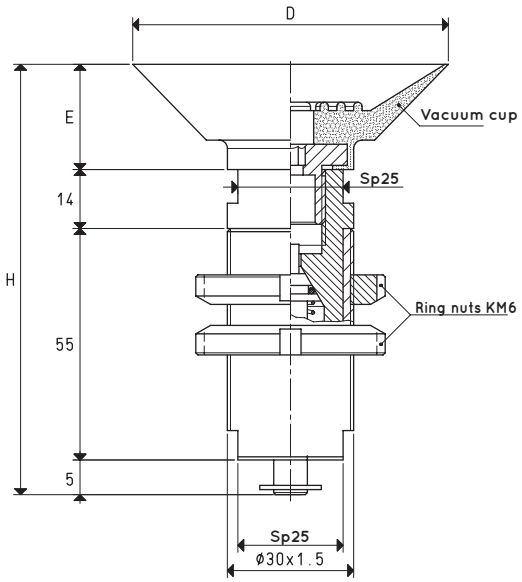
These cups do not require a connection to any vacuum source, since the object onto which they are laid on evacuates the air inside them. A built-in non-return valve prevents the air from entering again, thus maintaining the vacuum.
To release the piece, simply lift it a few millimetres, thus opening the non-return valve, which restores the atmospheric pressure inside the cup, by letting the air in.
Since possible losses cannot be recovered, these cups a recommended only for holding objects with smooth and impermeable surfaces, such as glass, polished sheets, and other similar objects. They are particularly suited for glass carrying trolleys feeding trolleys for robotic systems.
They are made with nickel-plated brass with a steel drive bush, which can be provided in the anti-rotation version upon request.



3D drawings are available on **vuototecnica.net**

VACUUM CUPS WITH FEMALE VULCANISED SUPPORT, SPARE PART

Item	Compounds available	Volume cm³	A Ø	B Ø	D Ø	E	G	H	Support material	Weight g
08 50 40 *	B N S	9.8	31	G3/8"	50	16.0	6.5	29.0	steel	38.5
08 75 40 *	B N S	27.8	31	G3/8"	75	25.0	9.0	38.0	steel	57.9
08 100 40 *	B N S	41.3	32	G3/8"	100	26.0	9.0	39.0	steel	78.3
08 100 50 *	B S	70.3	32	G3/8"	100	30.5	15.0	43.5	steel	74.8



SELF-LOCKING VACUUM CUPS WITH TRACTION RELEASE

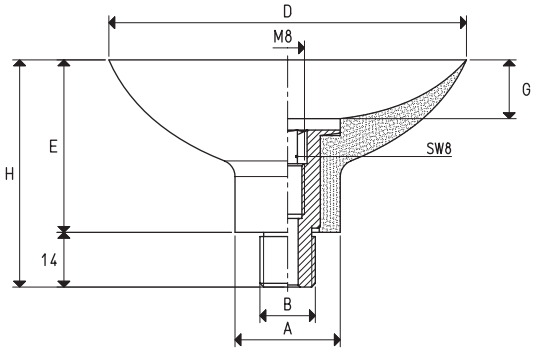
Item	Force -10 kPa Kg	Compounds available	D Ø	E	H	Vacuum cup item	Weight g
17 50 40 *	1.90	B N S	50	16	90	08 50 40	436
17 75 40 *	4.42	B N S	75	25	99	08 75 40	458
17 100 40 *	7.85	B N S	100	26	100	08 100 40	474
17 100 50 *	7.85	B S	100	30	104	08 100 50	473

Note: The suction cup force shown in the table is calculated at a hypothetical vacuum value of -10 kPa.

* 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.

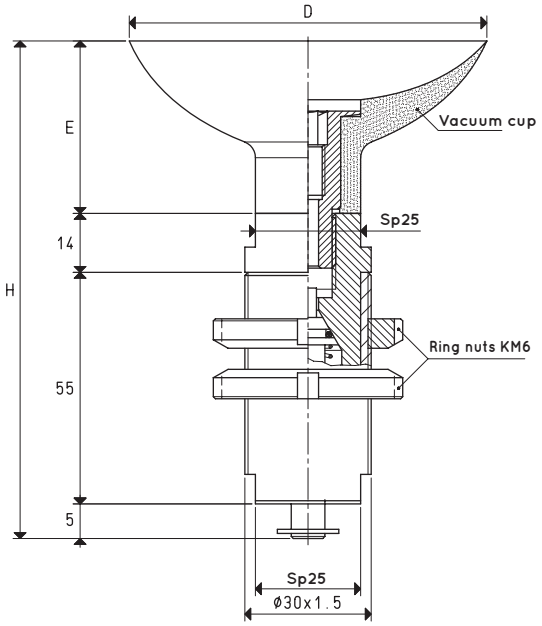
Transformation ratio: N (newton) = Kg x 9.81 (force of gravity) inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

SELF-LOCKING VACUUM CUPS WITH TRACTION RELEASE



VACUUM CUPS WITH SUPPORT, SPARE PART

Item	Compounds available	Volume cm^3	A Ø	B Ø	D Ø	E	G	H	Vacuum cup item	Support item	Support material	Weight g
08 60 10 *	A N S	16.1	15	G1/4"	60	22	9.5	36	01 60 10	00 08 22	aluminium	20.8
08 85 10 *	A N S	48.8	25	G1/4"	85	41	14.0	55	01 85 10	00 08 28	aluminium	49.3



SELF-LOCKING VACUUM CUPS WITH TRACTION RELEASE

Item	Force -10 kPa Kg	Compounds available	D Ø	E	H	Vacuum cup item	Weight g
17 60 10 *	2.9	A N S	60	22	96	08 60 10	415
17 85 10 *	5.7	A N S	85	41	115	08 85 10	444

Note: The suction cup force shown in the table is calculated at a hypothetical vacuum value of -10 kPa.

* Complete the code indicating the compound: A = oil-resistant 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.

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