# SPECIAL VACUUM CUPS WITH SUPPORTS

The cups shown on this page and on the next have been designed to solve many of the gripping and handling problems we have encountered in over thirty years of activity. They differ from all the other cups for the variety of their shapes.

They are suited for gripping CDs, labels, bags, paper or plastic sheets, stickers, chocolates, cardboard, tiles, small metal objects, plastic objects, etc.

Their nickel-plated brass or anodised aluminium supports are provided with a threaded male or female pin to enable suction and to fasten them to the automation.

These cups can be manually assembled onto their supports with no adhesives, simply by pressing them in. They are provided in standard compounds and, upon request, can be provided in minimum quantities and in other special compounds, listed on pg. 31, to be defined in the order.
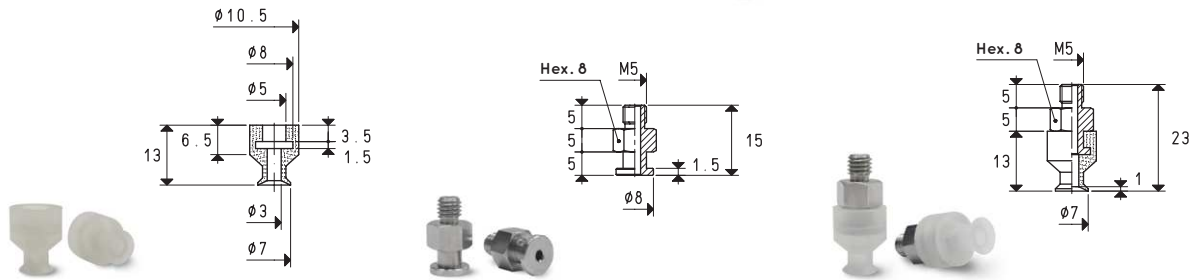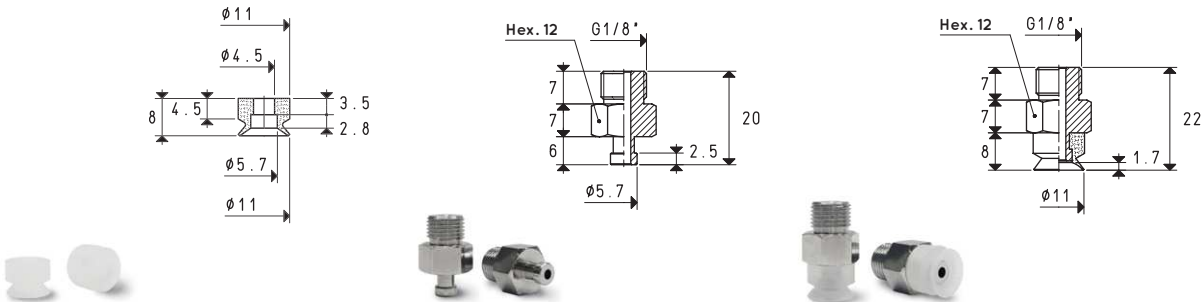
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Vacuum cup item	Force Kg	Volume mm³	Support item	Support material	Weight g	Vacuum cup wit upport item	Weight g
01 07 13 *	0.10	19	00 08 236	brass	3	08 07 13 *	3.6

* Complete the code indicating the compound: A= oil-resistant rubber; N= natural para rubber; S= silicon
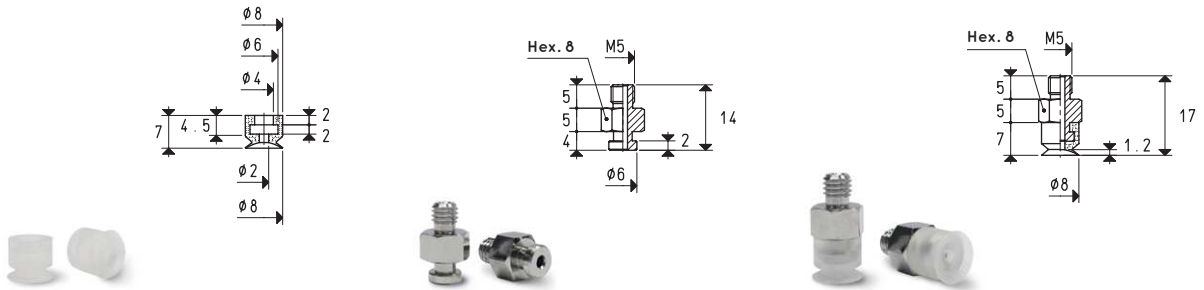
Vacuum cup item	Force Kg	Volume mm³	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 08 07 *	0.13	31	00 08 237	brass	3	08 08 07 *	3.1

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

Vacuum cup item	Force Kg	Volume mm³	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 11 08 *	0.24	95	00 08 238	brass	7	08 11 08 *	7.6

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

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 = $\dfrac{mm}{25.4}$; pounds = $\dfrac{g}{453.6}$ = $\dfrac{Kg}{0.4536}$ Adapters for GAS - NPT threading available on page 1.130