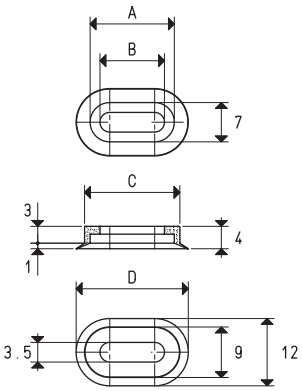
ELLIPTICAL FLAT VACUUM CUPS WITH SUPPORTS

These oval cups are are recessed on moulders in order to hold a side of the cardboard box during the moulding process by means of traditional cups on the opposite side. Once assembled with their support, however, they can be used for handling boxes, plastic objects or anything with a limited gripping surface.
Their anodised aluminium support has a central threaded hole to fasten it to the automation. They are also provided with a nickel-plated brass plate to hold the cup in its housing and with one or two stainless steel screws for fixing them.
To replace, simply request the single vacuum cup indicated in the table in the desired compound.

VACUUM CUP

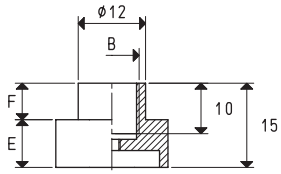
Item	Force Kg	Volume cm^3	A	B	C	D
01 12 20 *	0.52	0.3	15	11.5	17	20

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



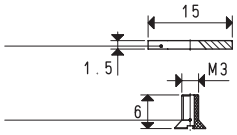
SUPPORT

Item	B Ø	E	F	Support material	For vacuum cup item	Weight g
00 08 70	G1/8"	8.5	6.5	aluminium	01 12 20	5.4

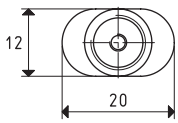


fixing plate item **00 08 97**

perforated TSP M3x5 screw item **00 08 103**



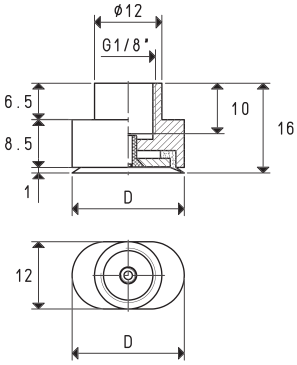
Note: Supplied automatically also with the fixing plate and the perforated TSP screw when ordering item **00 08 70**



VACUUM CUP WITH SUPPORT

Item	Force Kg	D	Vacuum cup item	Support item	Weight g
08 12 20 *	0.52	20	01 12 20	00 08 70	5.8

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

Adapters for GAS - NPT threading available on page 1.130