



ROUND FLAT VACUUM CUPS WITH SUPPORTS

The cups described on this page have been designed to solve most of the gripping problems that can arise handling wooden or plastic panels, thin glass or marble sheets, fragile metal sheets, ceramic or baked clay tiles, etc.

Their low, strong and slightly tilted lip does not swipe on the loading surface during the gripping phase.

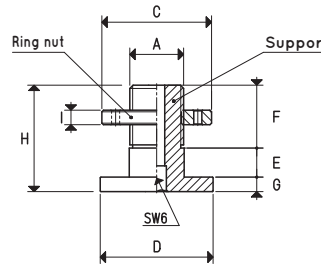
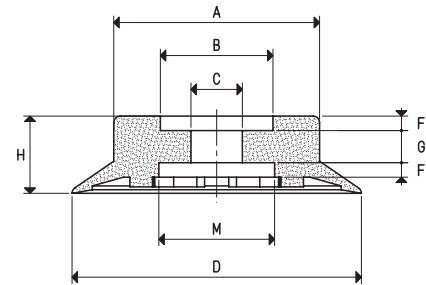
The cleats on the inside of these cups, along with reducing the volume of air to be sucked, create a perfect supporting surface which prevents any gripping surface deformation as well as vertically lifted loads from slipping. These cups can be cold fitted with no adhesives onto their anodised aluminium support and locked by the ring nut. These cups are extremely easy to replace; simply request the cup indicated in the table in the desired compound when requesting the spare part.



VACUUM CUPS

Item	Force Kg	Volume cm ³	A Ø	B Ø	C Ø	D Ø	F	G	H	M Ø
01 76 24 *	11.33	15.8	54	35	16	76	4.5	10	24	36
01 90 24 *	15.89	19.5	64	35	16	90	4.5	10	24	36
01 110 24 *	23.74	27.2	79	35	16	110	4.5	10	24	36
01 150 36 *	45.00	75.8	98	70	16	150	6.0	17	36	70

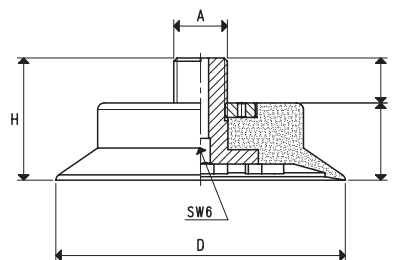
* Complete the code indicating the compound: A= oil-resistant rubber; N= natural para rubber; S= silicon



SUPPORTS

Item	A Ø	C Ø	D Ø	E	F	G	H	I	Support/ring nut material	For vacuum cup item	Weight g
00 08 108	G1/4"	34	35	9	19.5	4.5	33.0	4.5	aluminium	01 76 24 01 90 24 01 110 24	31.2
00 08 110	G3/8"	34	35	9	19.5	4.5	33.0	4.5	aluminium	01 76 24 01 90 24 01 110 24	33.7
00 08 112	G3/8"	69	69	15	22.0	5.5	42.5	6.0	aluminium	01 150 36	132.1

Note: the ring nut is provided automatically when the support is ordered with its own item



VACUUM CUP WITH SUPPORT

Item	Force Kg	A Ø	D Ø	E	F	H	Vacuum cup item	Support item	Weight g
08 76 24 1/4" *	11.33	G1/4"	760	24	14	38	01 76 24	00 08 108	83.1
08 90 24 1/4" *	15.89	G1/4"	900	24	14	38	01 90 24	00 08 108	112.0
08 110 24 1/4" *	23.74	G1/4"	110	24	14	38	01 110 24	00 08 108	168.2
08 76 24 3/8" *	11.33	G3/8"	760	24	14	38	01 76 24	00 08 110	85.6
08 90 24 3/8" *	15.89	G3/8"	900	24	14	38	01 90 24	00 08 110	114.5
08 110 24 3/8" *	23.74	G3/8"	110	24	14	38	01 110 24	00 08 110	170.7
08 150 36 *	45.00	G3/8"	150	36	14	50	01 150 36	00 08 112	436.5

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

Adapters for GAS - NPT threading available on page 1.130