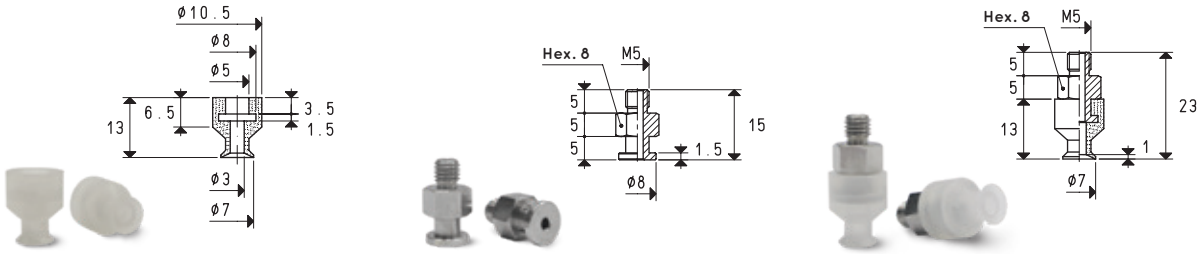
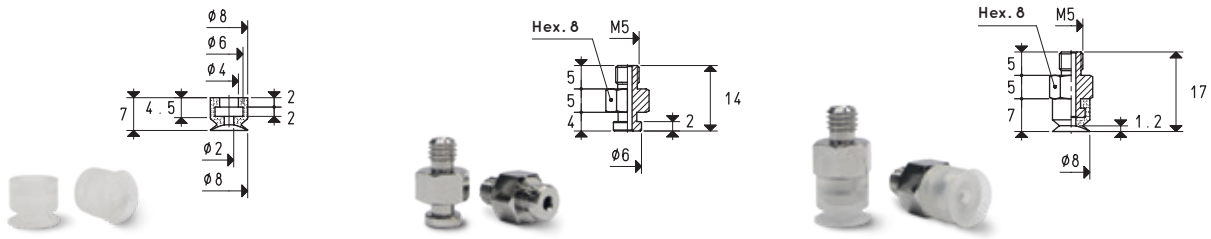
SPECIAL VACUUM CUPS WITH SUPPORTS

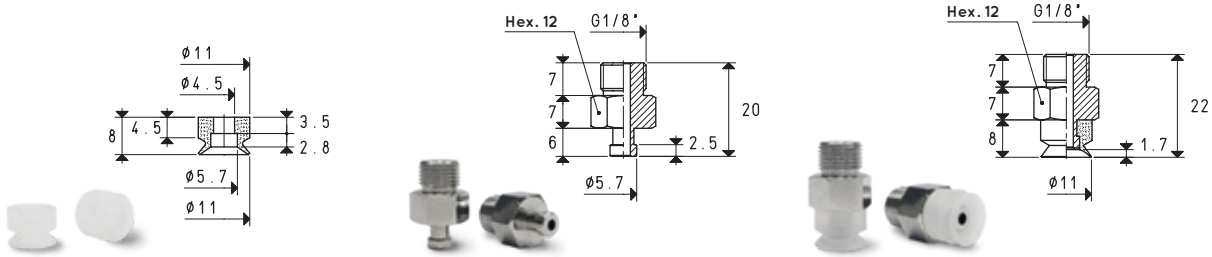
The cups shown on this page and on the next have been designed to solve many of the gripping and handling problems we have encountered in over thirty years of activity. They differ from all the other cups for the variety of their shapes.
They are suited for gripping CDs, labels, bags, paper or plastic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



Vacuum cup item	Force Kg	Compounds available	Volume mm³	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 07 13 S	0.10	(S)	19	00 08 236	brass	3	08 07 13 S	3.6



Vacuum cup item	Force Kg	Compounds available	Volume mm³	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 08 07 S	0.13	(S)	31	00 08 237	brass	3	08 08 07 S	3.1



Vacuum cup item	Force Kg	Compound available	Volume mm³	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 11 08 S	0.24	(S)	95	00 08 238	brass	7	08 11 08 S	7.6

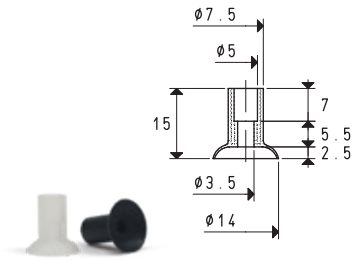
Compound: (S) = silicone

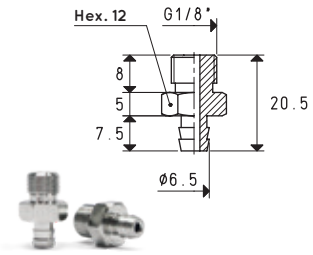
Note: Cups in special compounds, listed on page 31 can be provided upon specific request in minimum quantities to be defined in the order.

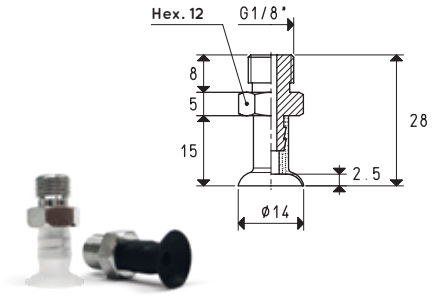
The force of the vacuum cups indicated in the table represents 1/3 of the value of the theoretical force calculated at a level of vacuum of -75 KPa and a factor of safety 3.

Transformation ratio: N (newton) = Kg x 9.81 (force of gravity) inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$ Adapters for GAS - NPT threading available on page 1.134

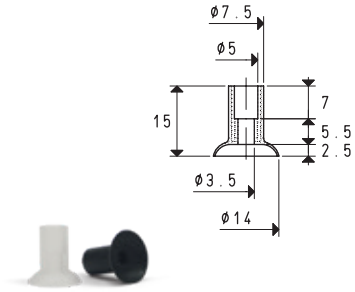
SPECIAL VACUUM CUPS WITH SUPPORTS

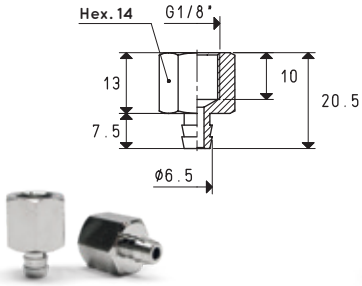


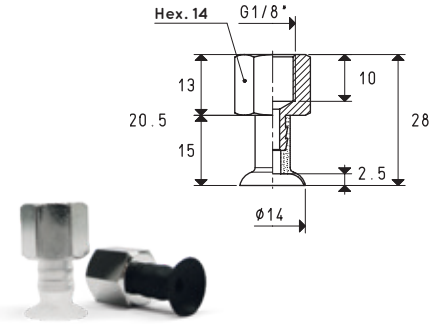




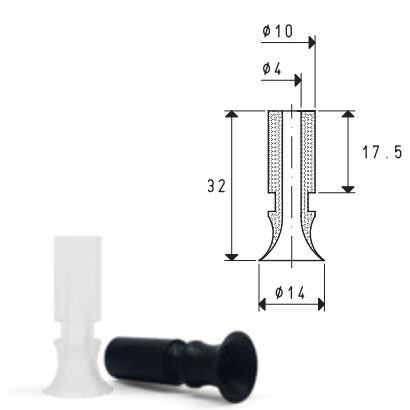
Vacuum cup item	Force Kg	Compounds available	Volume mm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 14 15 *	0.38	(A)(S)	270	00 08 67	brass	11.4	08 14 15 *	11.9

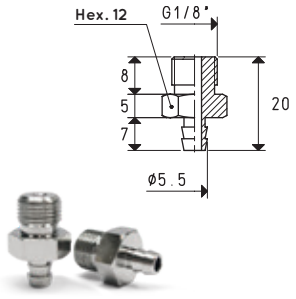






Vacuum cup item	Force Kg	Compounds available	Volume mm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 14 15 *	0.38	(A)(S)	270	00 08 64	brass	13.9	08 14 15 F *	14.4





Vacuum cup item	Force Kg	Compounds available	Volume mm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 14 32 *	0.38	(N)(S)	397	00 08 03	brass	9.0	08 14 32 *	10.9

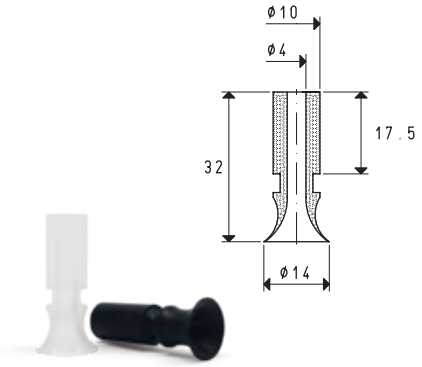
* Complete the code indicating the compound: (A) = oil-resistant rubber; (N) = para rubber; (S) = silicone

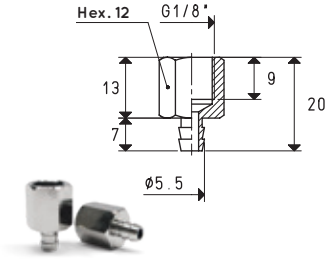
Note: Cups in special compounds, listed on page 31 can be provided upon specific request in minimum quantities to be defined in the order.

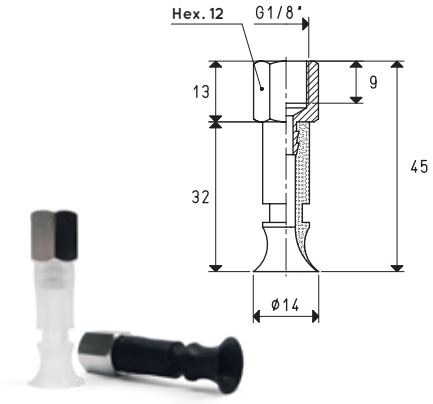
The force of the vacuum cups indicated in the table represents 1/3 of the value of the theoretical force calculated at a level of vacuum of -75 KPa and a factor of safety 3.

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 1.134

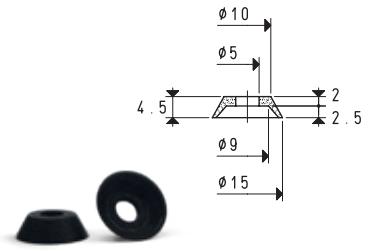
SPECIAL VACUUM CUPS WITH SUPPORTS

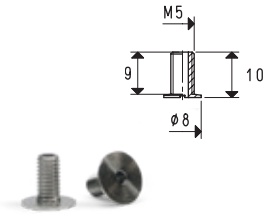


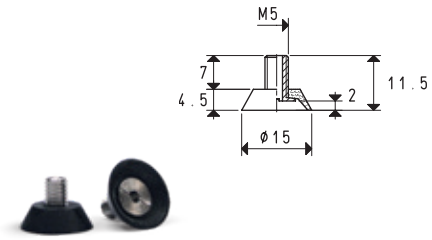




Vacuum cup item	Force Kg	Compounds available	Volume mm³	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 14 32 *	0.38	(N)(S)	397	00 08 04	brass	8.1	08 14 32 F *	10.0

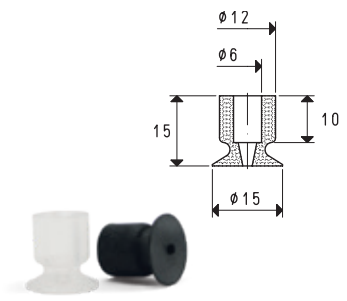


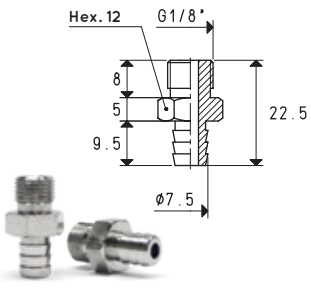


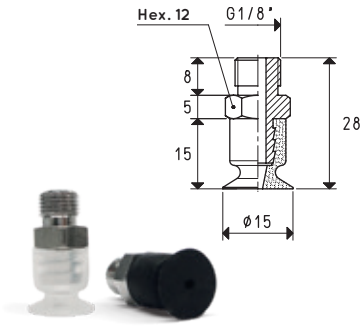


Vacuum cup item	Force Kg	Compounds available	Volume mm³	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 15 04 N	0.44	(N)	250	00 08 241	brass	1.5	08 15 04 N	1.7

Compound: (N) = para rubber







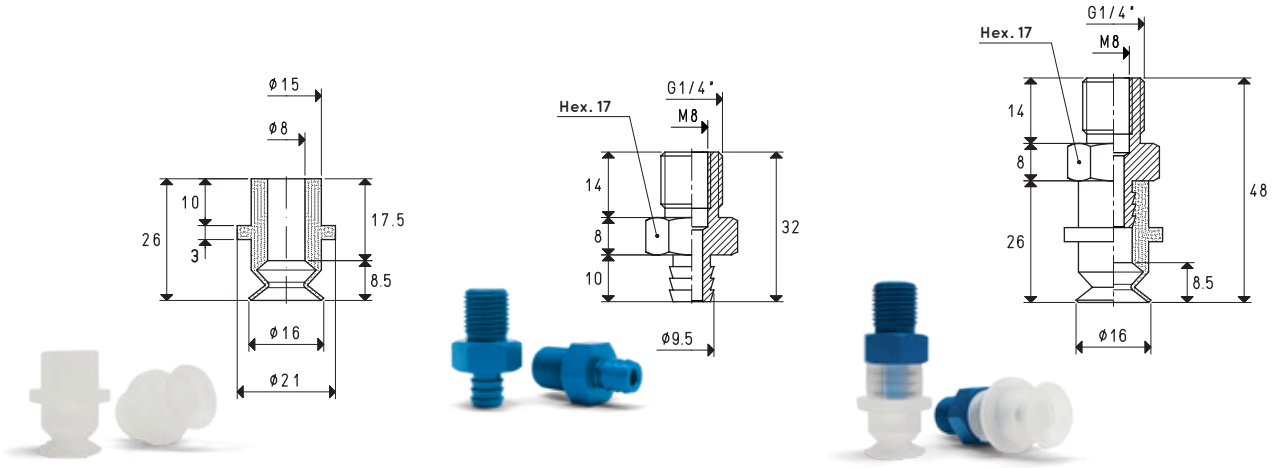
Vacuum cup item	Force Kg	Compounds available	Volume mm³	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 15 15 *	0.03	(A)(N)(S)	14	00 08 05	brass	10.4	08 15 15 *	11.7

* 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.

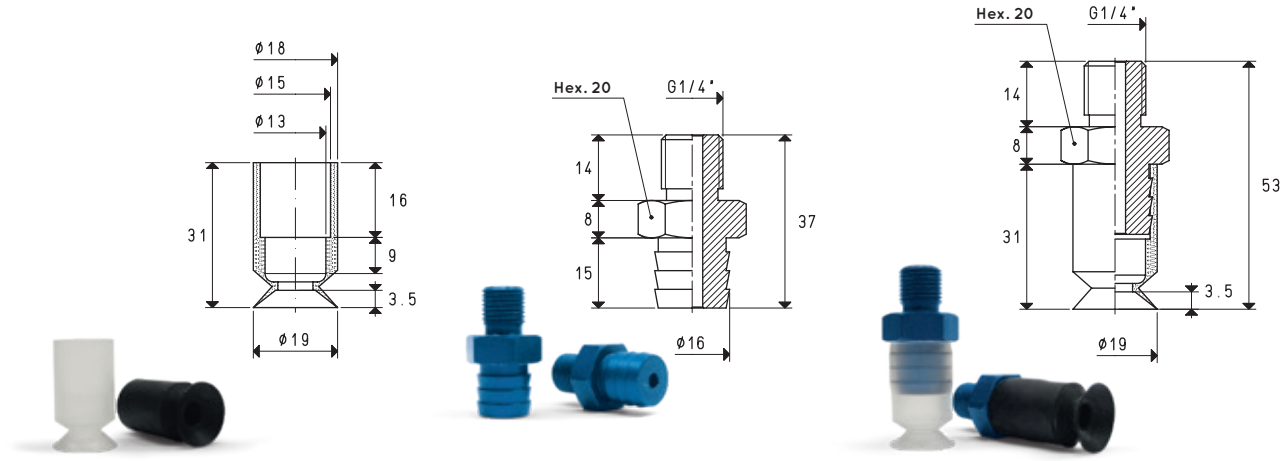
The force of the vacuum cups indicated in the table represents 1/3 of the value of the theoretical force calculated at a level of vacuum of -75 KPa and a factor of safety 3.

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 1.134



Vacuum cup item	Force Kg	Compounds available	Bellows stroke mm	Volume mm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 16 26 S	0.50	(S)	7	293	00 08 18	aluminium	10.3	08 16 26 S	13.7

Compound: (S) = silicone



Vacuum cup item	Force Kg	Compounds available	Bellows stroke mm	Volume mm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 19 31 *	0.70	(N)(S)	5	532	00 08 09	aluminium	18.1	08 19 31 *	20.9

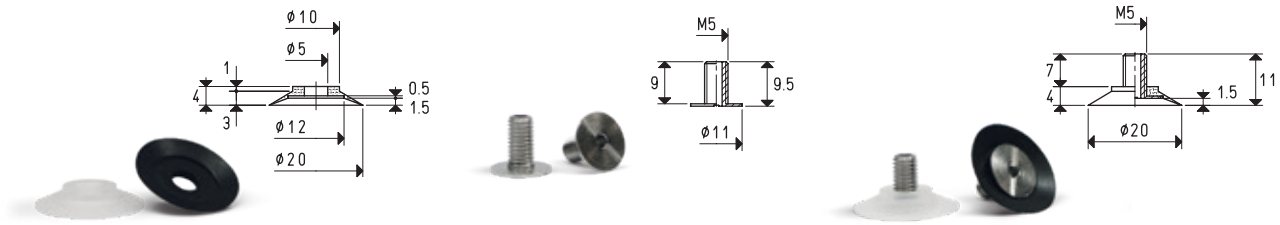
* Complete the code indicating the compound: (N) = para rubber; (S) = silicone

Note: Cups in special compounds, listed on page 31 can be provided upon specific request in minimum quantities to be defined in the order.

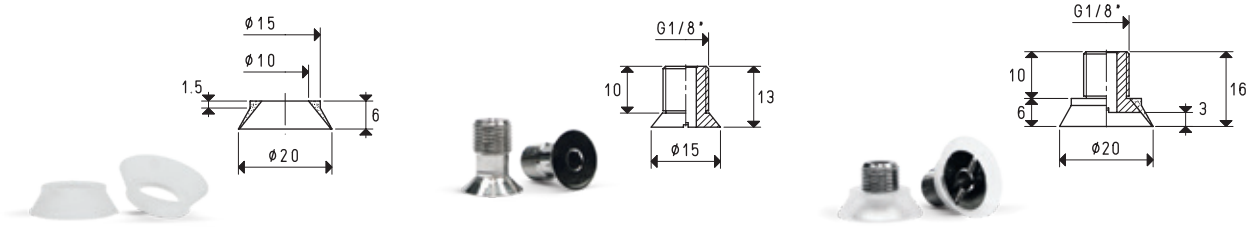
The force of the vacuum cups indicated in the table represents 1/3 of the value of the theoretical force calculated at a level of vacuum of -75 KPa and a factor of safety 3.

Transformation ratio: N (newton) = Kg x 9.81 (force of gravity) inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$ Adapters for GAS - NPT threading available on page 1.134

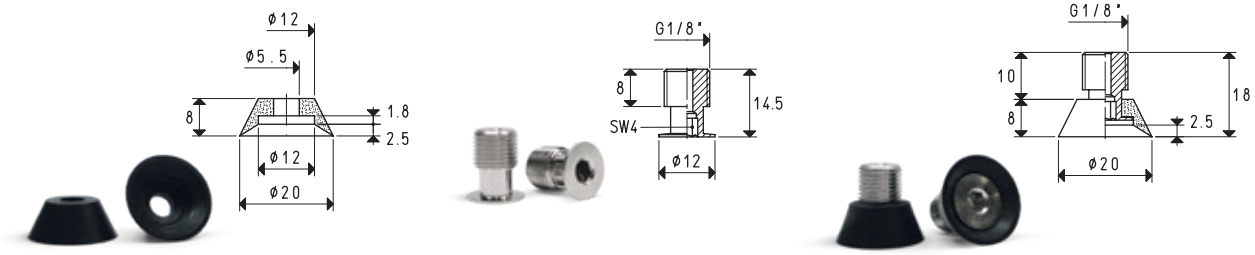
SPECIAL VACUUM CUPS WITH SUPPORTS



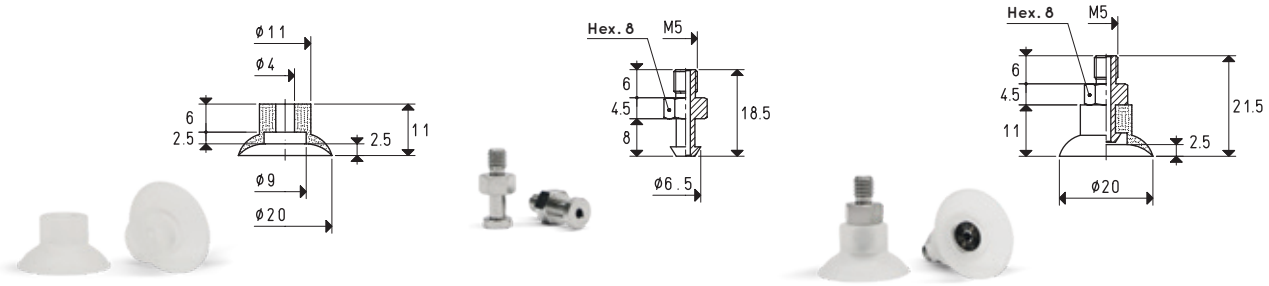
Vacuum cup item	Force Kg	Compounds available	Volume mm³	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 20 04 *	0.78	(A)(S)	365	00 08 242	brass	1.8	08 20 04 *	2.0



Vacuum cup item	Force Kg	Compound available	Volume mm³	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 20 06 *	0.78	(A)(S)	1068	00 08 243	brass	6.0	08 20 06 *	6.3



Vacuum cup item	Force Kg	Compounds available	Volume mm³	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 20 08 *	0.78	(N)(NG)	804	00 08 60	brass	5.6	08 20 08 *	6.4



Vacuum cup item	Force Kg	Compound available	Volume mm³	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 20 11 S	0.78	(S)	784	00 08 245	brass	2.7	08 20 11 S	3.7

Compound: (S) = silicone

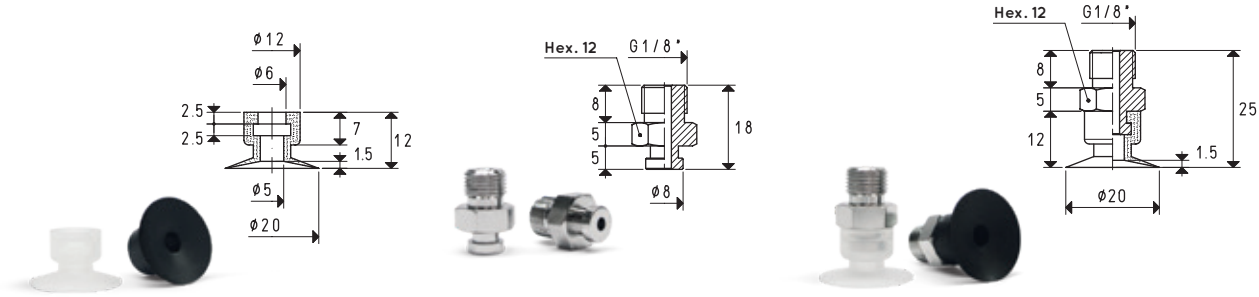
* Complete the code indicating the compound: (A) = oil-resistant rubber; (N) = para rubber; (S) = silicone; (NG)= yellow rubber

Note: Cups in special compounds, listed on page 31 can be provided upon specific request in minimum quantities to be defined in the order.

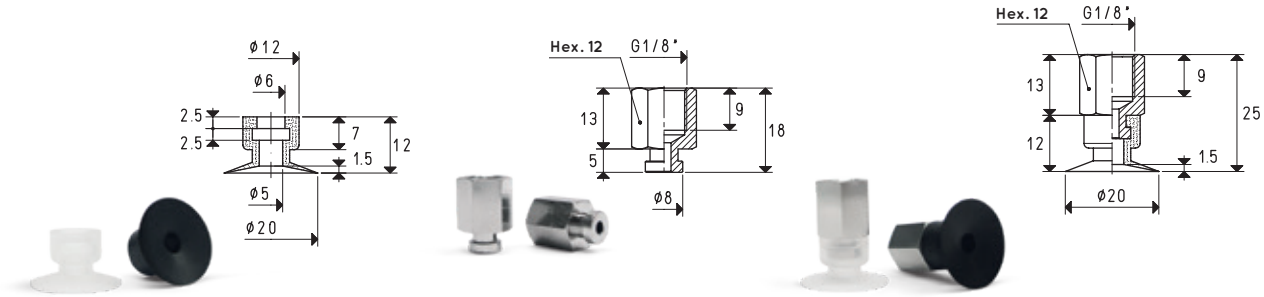
The force of the vacuum cups indicated in the table represents 1/3 of the value of the theoretical force calculated at a level of vacuum of -75 KPa and a factor of safety 3.

Transformation ratio: N (newton) = Kg x 9.81 (force of gravity) inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$ Adapters for GAS - NPT threading available on page 1.134

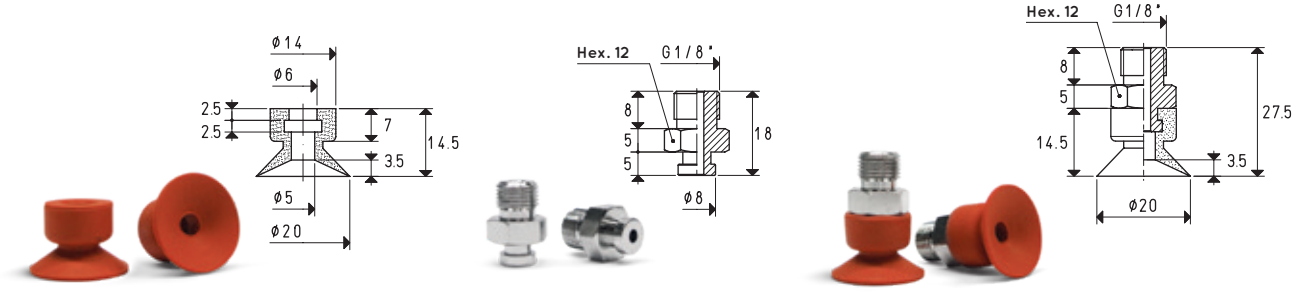
SPECIAL VACUUM CUPS WITH SUPPORTS



Vacuum cup item	Force Kg	Compounds available	Volume mm³	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 20 12 *	0.78	(A)(N)(S)	314	00 08 146	brass	9.8	08 20 12 *	10.7

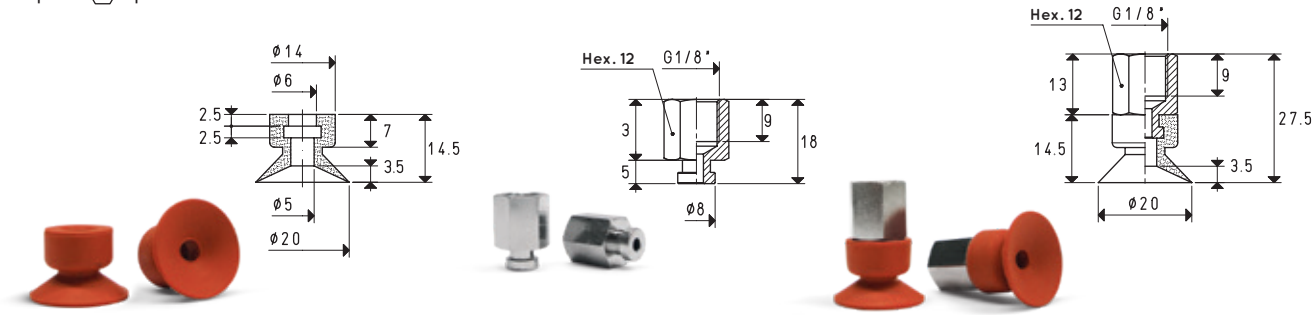


Vacuum cup item	Force Kg	Compounds available	Volume mm³	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 20 12 *	0.78	(A)(N)(S)	314	00 08 155	brass	9.1	08 20 12 F *	10.0



Vacuum cup item	Force Kg	Compound available	Volume mm³	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 20 14 N	0.78	(N)	589	00 08 146	brass	9.8	08 20 14 N	11.3

Compound: (N) = para rubber



Vacuum cup item	Force Kg	Compound available	Volume mm³	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 20 14 N	0.78	(N)	589	00 08 155	brass	9.1	08 20 14 F N	10.6

Compound: (N) = para rubber

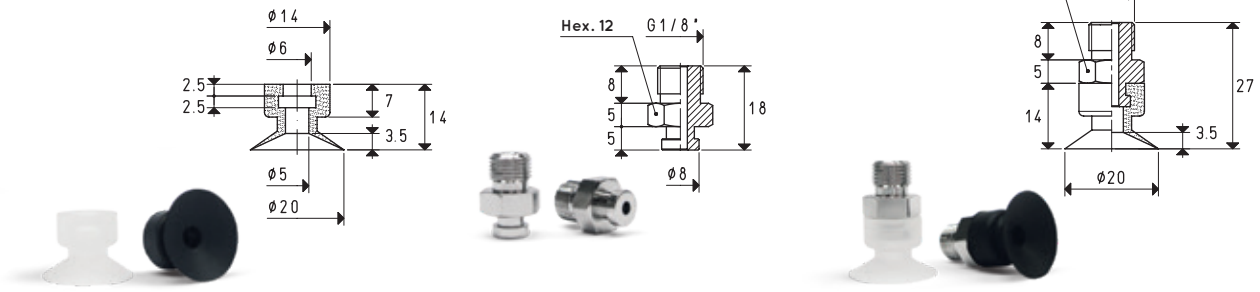
* Complete the code indicating the compound: (A) = oil-resistant rubber; (N) = para rubber; (S) = silicone

Note: Cups in special compounds, listed on page 31 can be provided upon specific request in minimum quantities to be defined in the order.

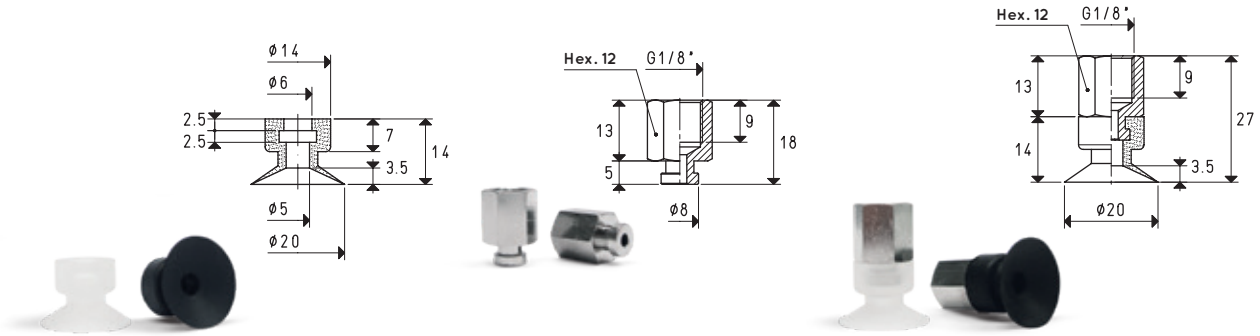
The force of the vacuum cups indicated in the table represents 1/3 of the value of the theoretical force calculated at a level of vacuum of -75 KPa and a factor of safety 3.

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 1.134

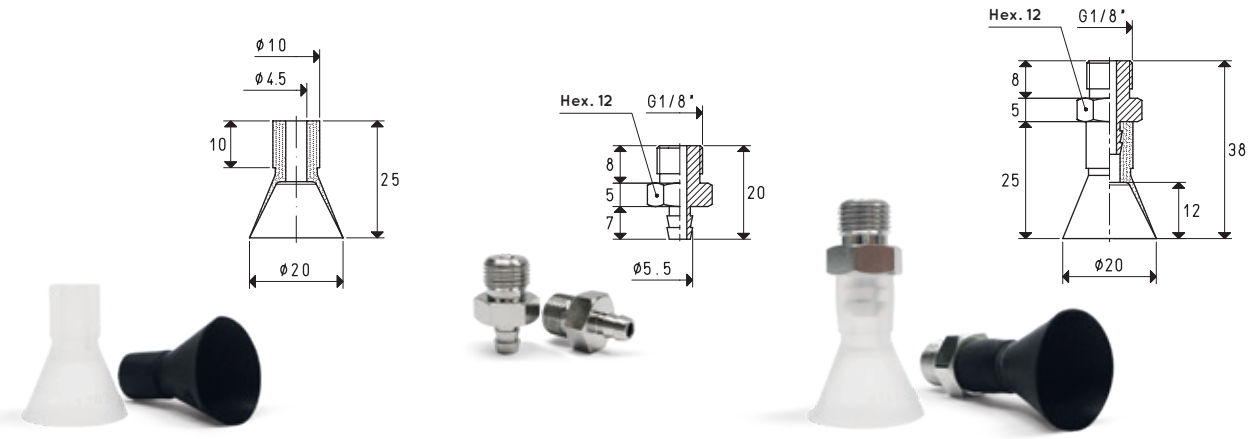
SPECIAL VACUUM CUPS WITH SUPPORTS



Vacuum cup item	Force Kg	Compounds available	Volume mm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 20 15 *	0.78	(A)(N)(S)	599	00 08 146	brass	9.8	08 20 15 *	11.0



Vacuum cup item	Force Kg	Compounds available	Volume mm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 20 15 *	0.78	(A)(N)(S)	599	00 08 155	brass	9.1	08 20 15 F *	10.3



Vacuum cup item	Force Kg	Compounds available	Volume cm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 20 24 *	0.78	(N)(S)	1.9	00 08 03	brass	9.0	08 20 24 *	10.2

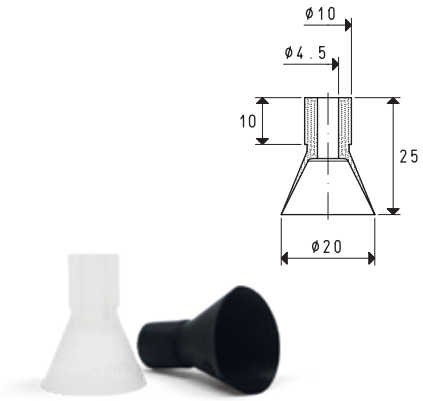
* Complete the code indicating the compound: (A) = oil-resistant rubber; (N) = para rubber; (S) = silicone

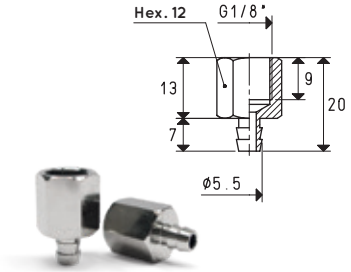
Note: Cups in special compounds, listed on page 31 can be provided upon specific request in minimum quantities to be defined in the order.

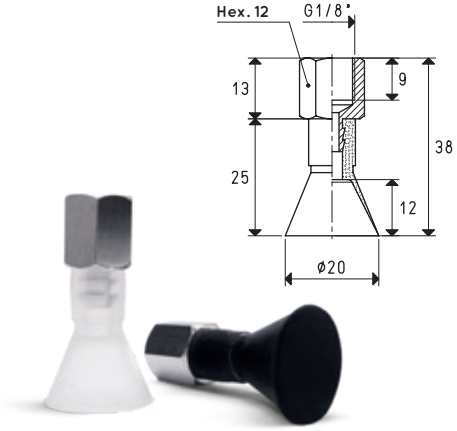
The force of the vacuum cups indicated in the table represents 1/3 of the value of the theoretical force calculated at a level of vacuum of -75 KPa and a factor of safety 3.

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 1.134

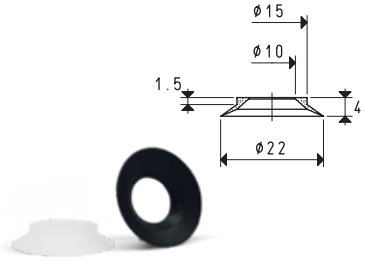
SPECIAL VACUUM CUPS WITH SUPPORTS

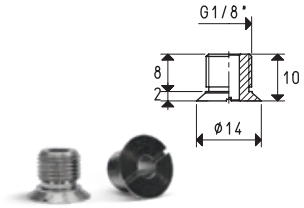


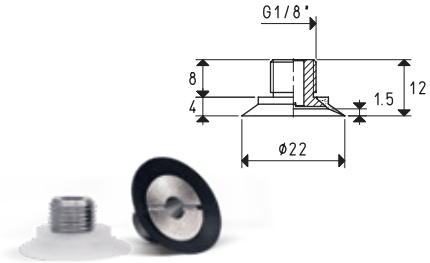




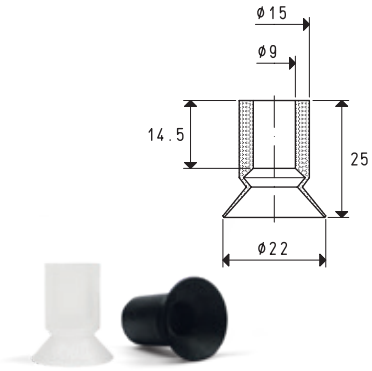
Vacuum cup item	Force Kg	Compounds available	Volume cm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 20 24 *	0.78	(N)(S)	1.9	00 08 04	brass	8.1	08 20 24 F *	9.3

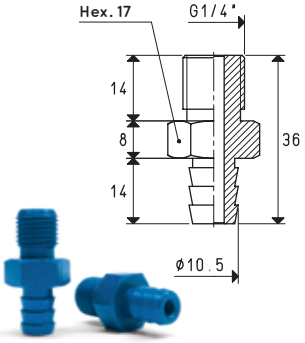


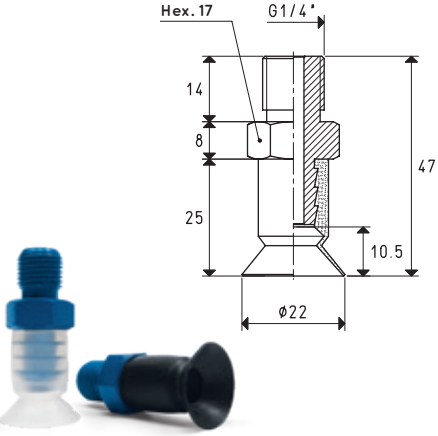




Vacuum cup item	Force Kg	Compounds available	Volume mm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 22 06 *	0.95	(N)(S)	681	00 08 246	brass	5.0	08 22 06 *	5.3







Vacuum cup item	Force Kg	Compounds available	Bellows stroke mm	Volume cm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 22 24 *	0.95	(A)(N)(S)	7	1.3	00 08 10	aluminium	11.0	08 22 24 *	13.6

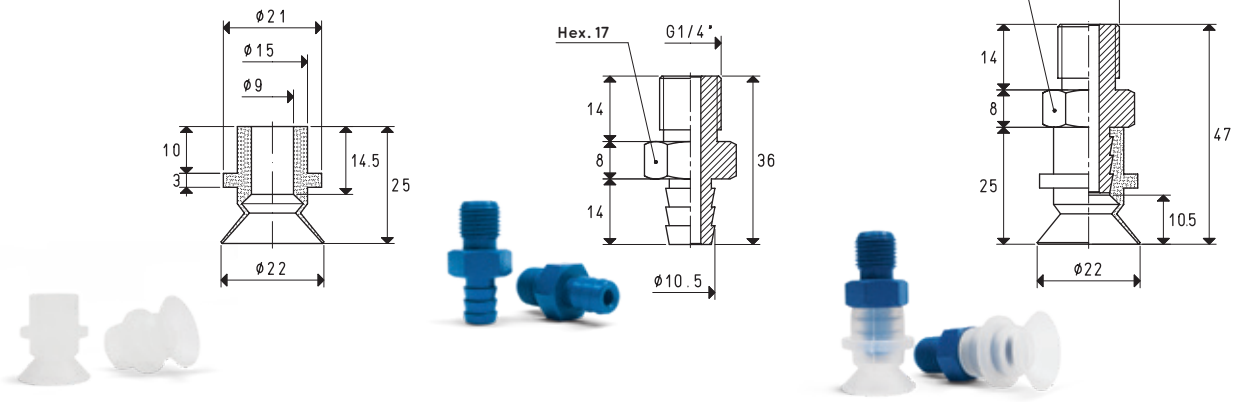
* Complete the code indicating the compound: (A) = oil-resistant rubber; (N) = para rubber; (S) = silicone

Note: Cups in special compounds, listed on page 31 can be provided upon specific request in minimum quantities to be defined in the order.

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.

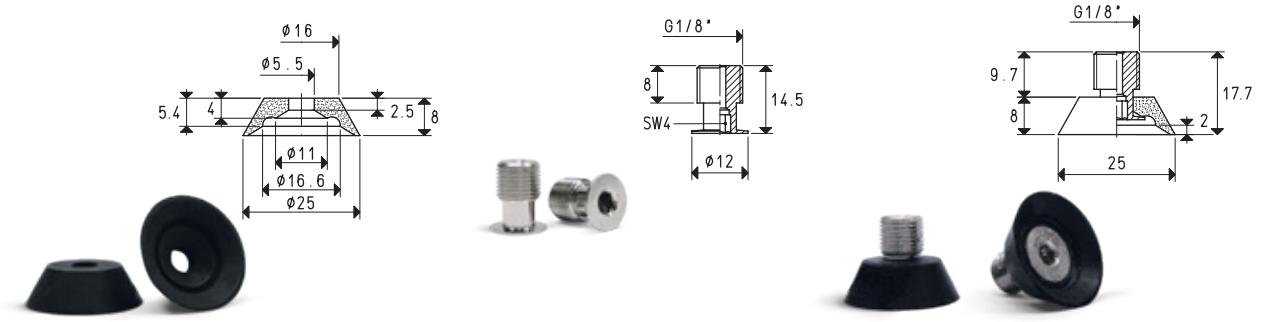
Transformation ratio: N (newton) = Kg x 9.81 (force of gravity) inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$ Adapters for GAS - NPT threading available on page 1.134

SPECIAL VACUUM CUPS WITH SUPPORTS



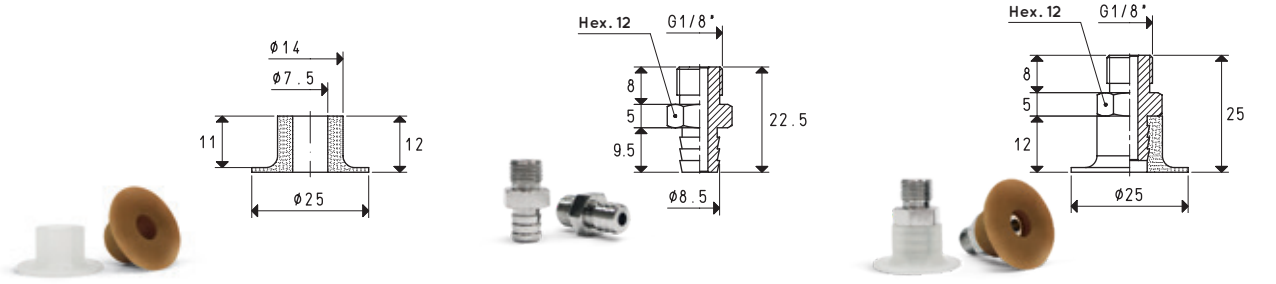
Vacuum cup item	Force Kg	Compounds available	Bellows stroke mm	Volume cm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 22 99 S	0.95	(S)	7	1.7	00 08 10	aluminium	11.0	08 22 99 S	13.8

Compound: (S) = silicone



Vacuum cup item	Force Kg	Compounds available	Volume cm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 25 08 A	1.23	(A)	1.1	00 08 60	brass	5.6	08 25 08 A	7.4

Compound: (A) = oil-resistant rubber



Vacuum cup item	Force Kg	Compounds available	Volume mm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 25 12 *	0.11	(S) (NG)	125	00 08 82	brass	11.2	08 25 12 *	12.7

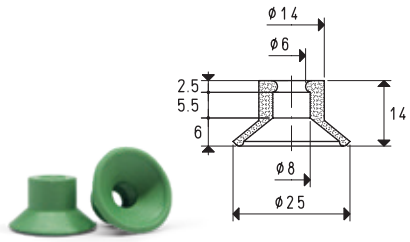
* Complete the code indicating the compound: (A) = oil-resistant rubber; (S) = silicone; (NG) = yellow rubber

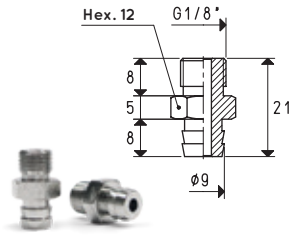
Note: Cups in special compounds, listed on page 31 can be provided upon specific request in minimum quantities to be defined in the order.

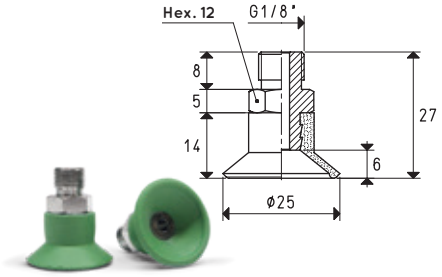
The force of the vacuum cups indicated in the table represents 1/3 of the value of the theoretical force calculated at a level of vacuum of -75 KPa and a factor of safety 3.

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

Adapters for GAS - NPT threading available on page 1.134

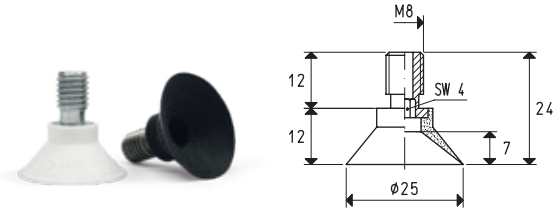




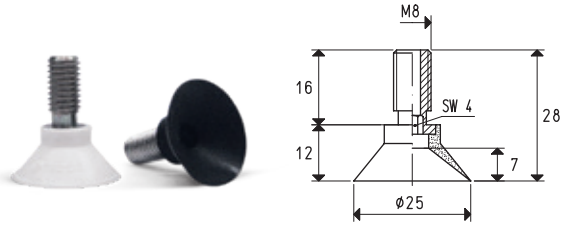


Vacuum cup item	Force Kg	Compound available	Volume cm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 25 14 N	1.23	(N)	1.1	00 08 101	brass	10.8	08 25 14 N	12.6

Compound: (N) = para rubber



Vacuum cup with vulcanised support Item	Force Kg	Compounds available	Volume cm^3	Support material	Weight g
08 25 22 *	1.23	(N)(S)	1.6	steel	5.0



Vacuum cup with vulcanised support Item	Force Kg	Compounds available	Volume cm^3	Support material	Weight g
08 25 27 *	1.23	(N)(S)	1.6	steel	5.2

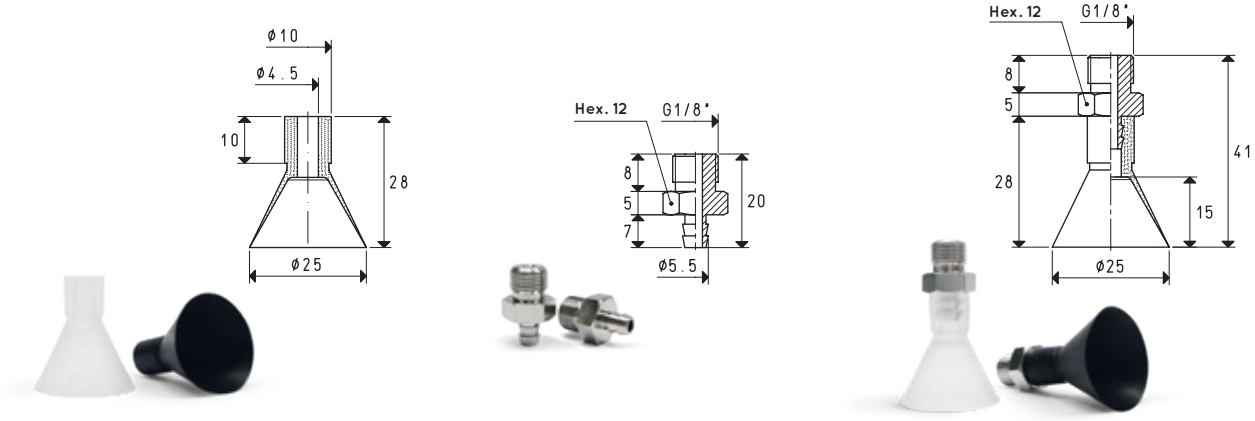
* Complete the code indicating the compound: (N) = para rubber; (S) = silicone

Note: Cups in special compounds, listed on page 31 can be provided upon specific request in minimum quantities to be defined in the order.

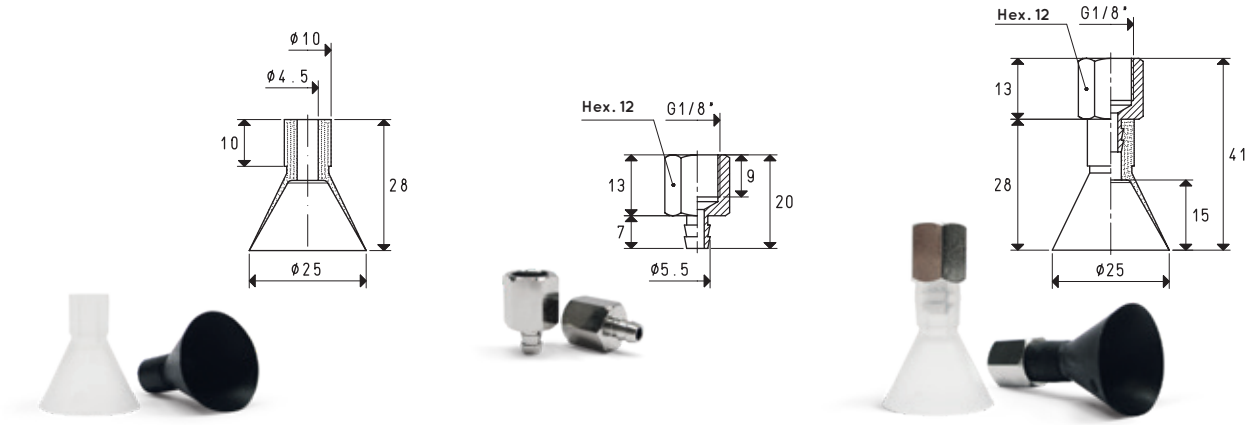
The force of the vacuum cups indicated in the table represents 1/3 of the value of the theoretical force calculated at a level of vacuum of -75 KPa and a factor of safety 3.

Transformation ratio: N (newton) = Kg x 9.81 (force of gravity) inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$ Adapters for GAS - NPT threading available on page 1.134

SPECIAL VACUUM CUPS WITH SUPPORTS



Vacuum cup item	Force Kg	Compounds available	Volume cm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 25 28 *	1.23	(A) (N) (S)	3.4	00 08 03	brass	9.0	08 25 28 *	10.7



Vacuum cup item	Force Kg	Compounds available	Volume cm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 25 28 *	1.23	(A) (N) (S)	3.4	00 08 04	brass	8.1	08 25 28 F *	9.8

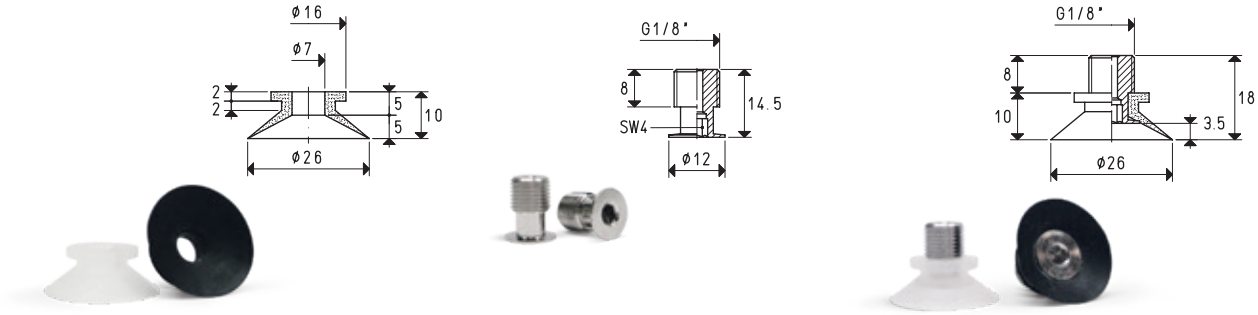
* Complete the code indicating the compound: (A) = oil-resistant rubber; (N) = para rubber; (S) = silicone

Note: Cups in special compounds, listed on page 31 can be provided upon specific request in minimum quantities to be defined in the order.

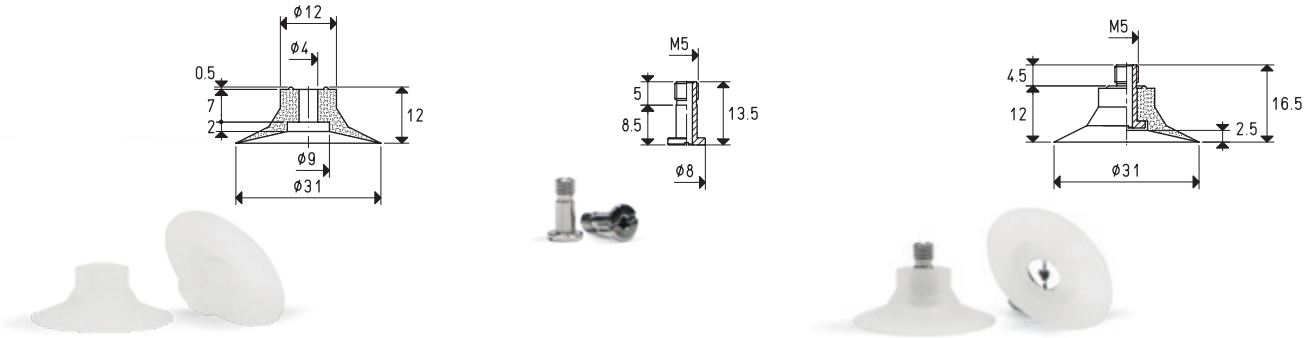
The force of the vacuum cups indicated in the table represents 1/3 of the value of the theoretical force calculated at a level of vacuum of -75 KPa and a factor of safety 3.

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 1.134

SPECIAL VACUUM CUPS WITH SUPPORTS



Vacuum cup item	Force Kg	Compounds available	Volume cm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 26 10 *	1.33	(N) (S) (NG)	1.1	00 08 60	brass	5.6	08 26 10 *	6.5



Vacuum cup item	Force Kg	Compound available	Volume mm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 31 12 S	1.89	(S)	991	00 08 249	brass	1.8	08 31 12 S	3.4

Compound: (S) = silicone

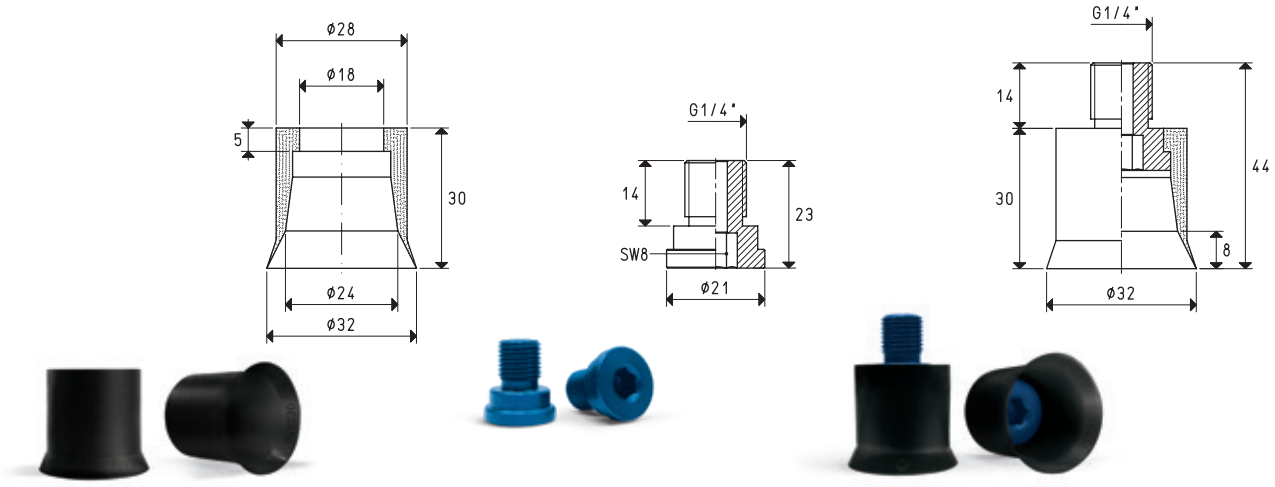
* Complete the code indicating the compound: (N) = para rubber; (S) = silicone; (NG) = yellow rubber

Note: Cups in special compounds, listed on page 31 can be provided upon specific request in minimum quantities to be defined in the order.

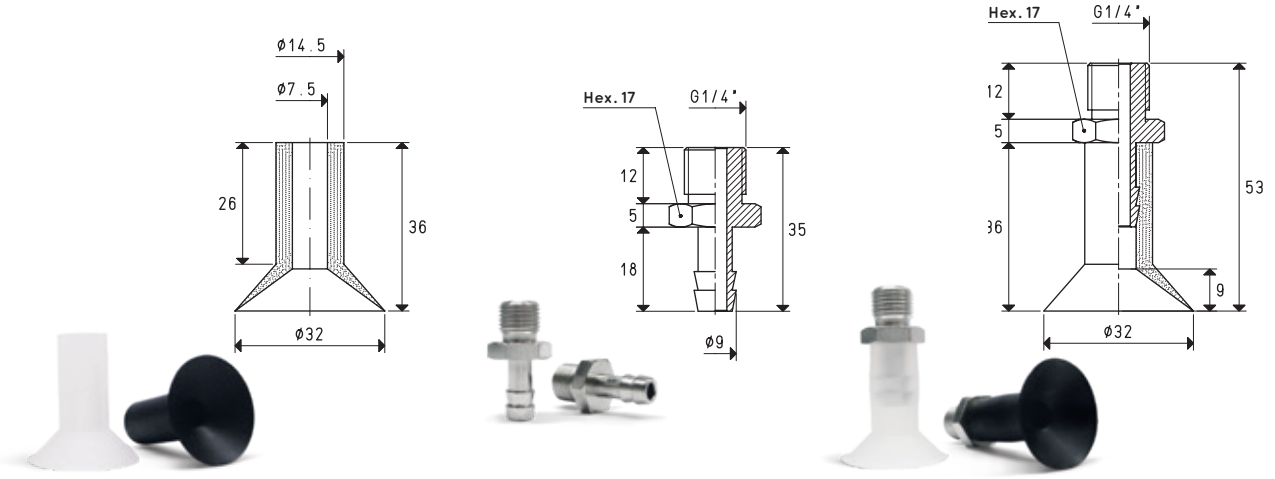
The force of the vacuum cups indicated in the table represents 1/3 of the value of the theoretical force calculated at a level of vacuum of -75 KPa and a factor of safety 3.

Transformation ratio: N (newton) = Kg x 9.81 (force of gravity) inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$ Adapters for GAS - NPT threading available on page 1.134

SPECIAL VACUUM CUPS WITH SUPPORTS



Vacuum cup item	Force Kg	Compounds available	Volume cm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 32 30 *	2.00	(A)(S)	11.4	00 08 250	aluminium	8.6	08 32 30 *	14.5



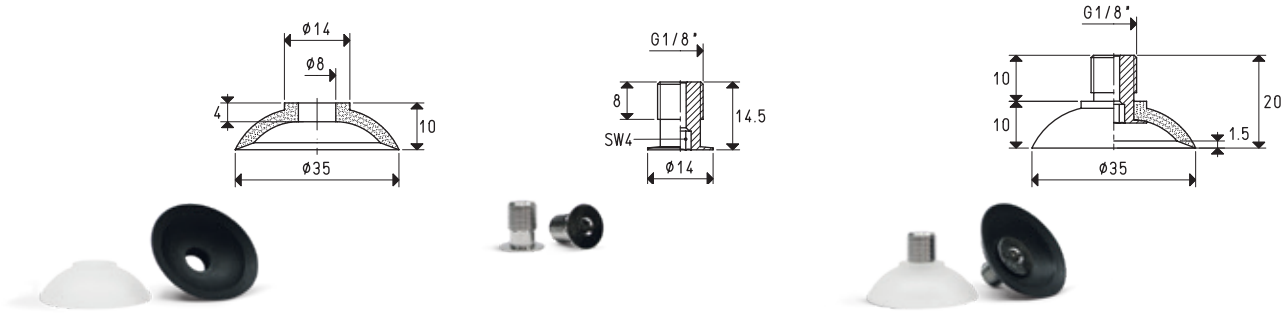
Vacuum cup item	Force Kg	Compounds available	Volume cm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 32 36 *	2.00	(A)(N)(S)	3.4	00 08 19	brass	22.7	08 32 36 *	27.8

* Complete the code indicating the compound: (A) = oil-resistant rubber; (N) = para rubber; (S) = silicone

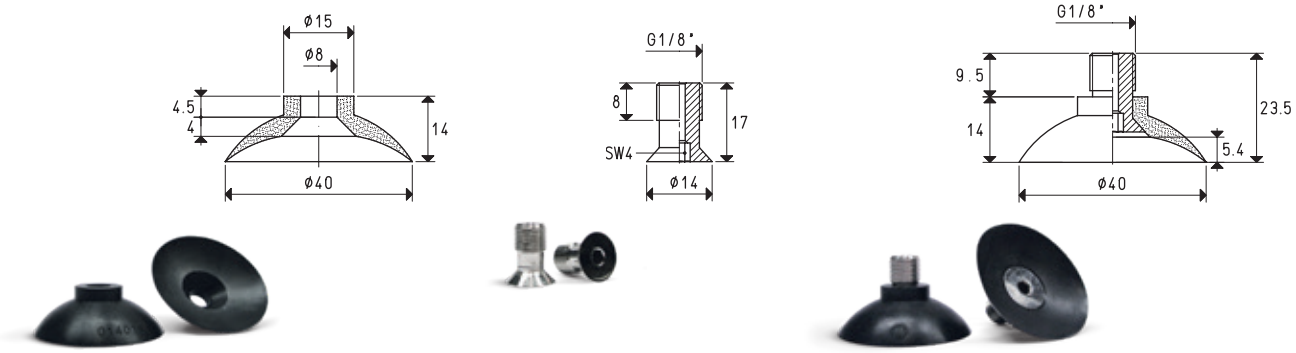
Note: Cups in special compounds, listed on page 31 can be provided upon specific request in minimum quantities to be defined in the order.

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 1.134

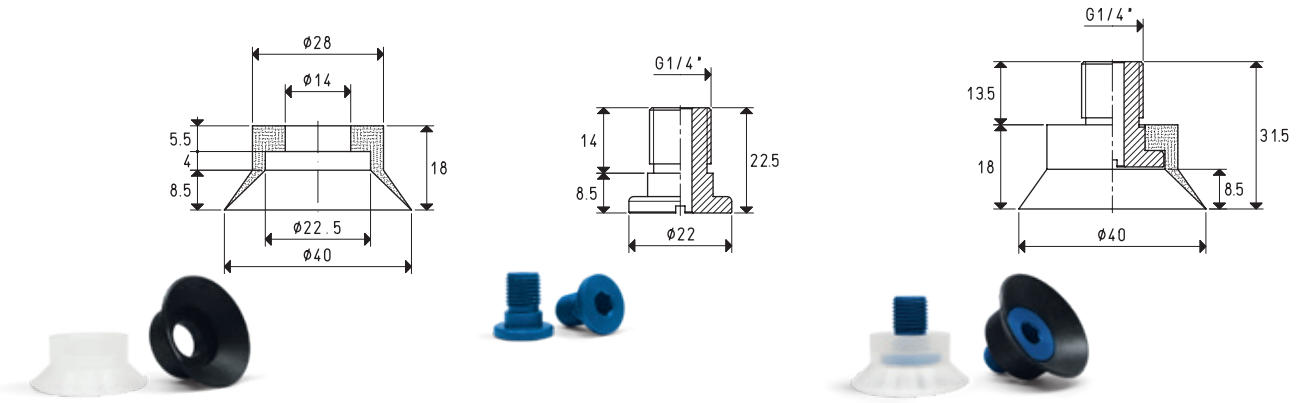


Vacuum cup item	Force Kg	Compounds available	Volume cm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 35 12 *	2.40	(A)(N)(S)	2.9	00 08 244	brass	5.9	08 35 12 *	8.8



Vacuum cup item	Force Kg	Compounds available	Volume cm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 40 14 A	3.14	(A)	4.8	00 08 247	brass	8.4	08 40 14 A	12.7

Compound: (A) = oil-resistant rubber



Vacuum cup item	Force Kg	Compounds available	Volume cm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 40 18 *	3.14	(A)(N)(S)	8.2	00 08 81	aluminium	8.8	08 40 18 *	15.0

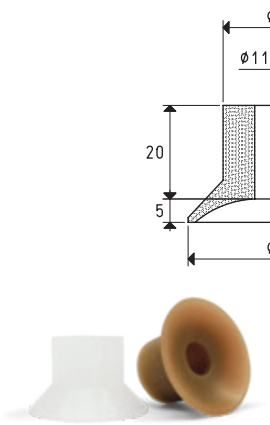
* Complete the code indicating the compound: (A) = oil-resistant rubber; (N) = para rubber; (S) = silicone

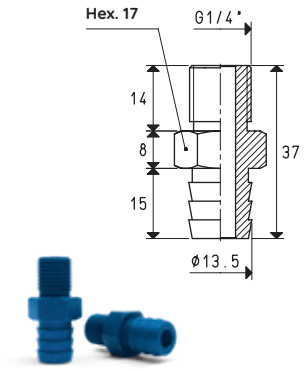
Note: Cups in special compounds, listed on page 31 can be provided upon specific request in minimum quantities to be defined in the order.

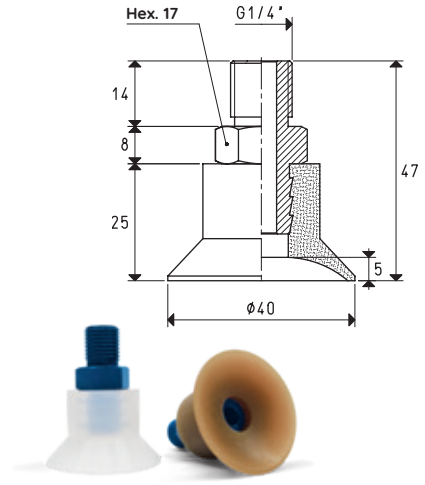
The force of the vacuum cups indicated in the table represents 1/3 of the value of the theoretical force calculated at a level of vacuum of -75 KPa and a factor of safety 3.

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 1.134

SPECIAL VACUUM CUPS WITH SUPPORTS

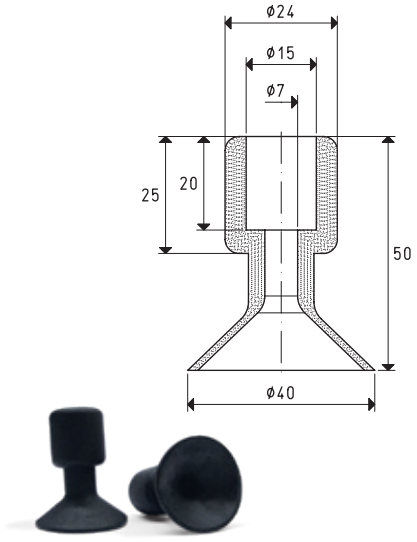


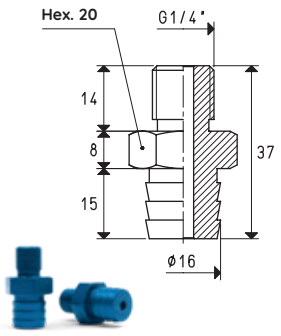


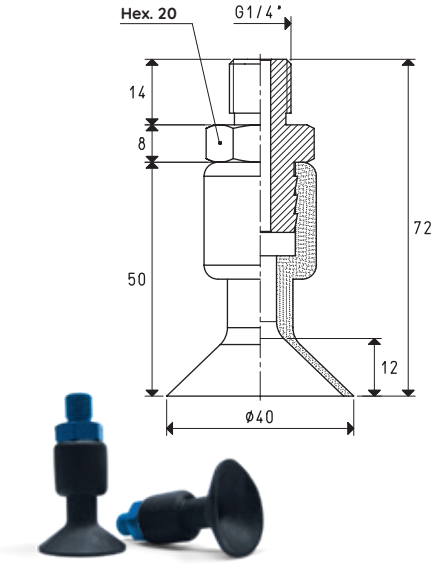


Vacuum cup item	Force Kg	Compounds available	Volume cm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 40 25 *	3.14	(S) (NG)	3.4	00 08 127	aluminium	11.5	08 40 24 *	21.0

* Complete the code indicating the compound: A= oil-resistant rubber; S= silicone; NG= yellow rubber







Vacuum cup item	Force Kg	Compounds available	Volume cm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 40 70 N	3.14	(N)	6.3	00 08 09	aluminium	18.1	08 40 70 A	32.0

Compound: (N) = para rubber

* Complete the code indicating the compound: (N) = para rubber; (S) = silicone; (NG) = yellow rubber

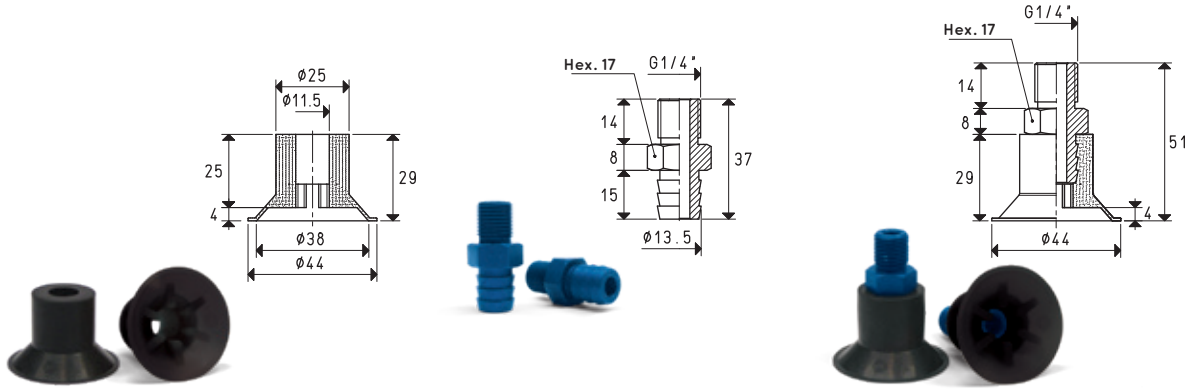
Note: Cups in special compounds, listed on page 31 can be provided upon specific request in minimum quantities to be defined in the order.

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

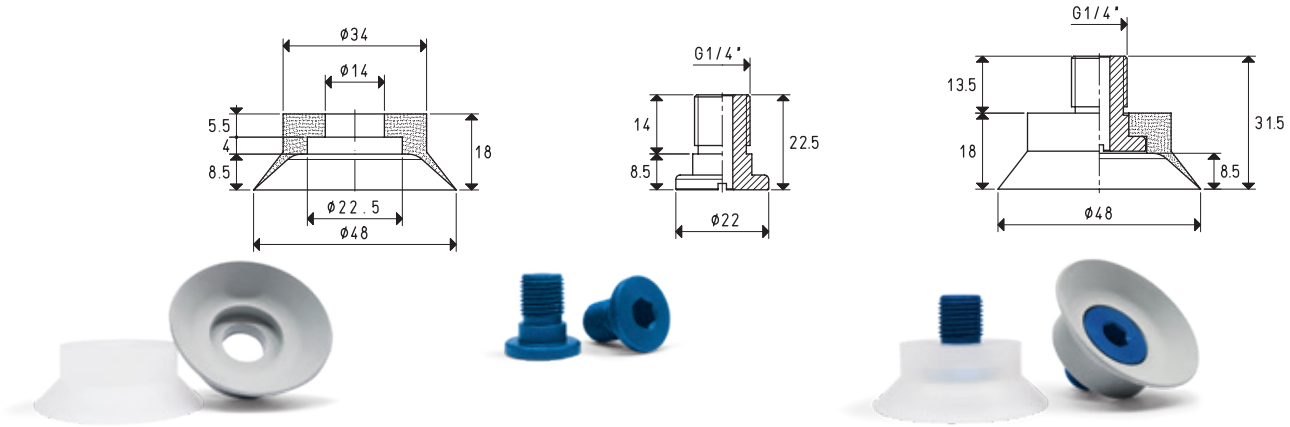
Adapters for GAS - NPT threading available on page 1.134

SPECIAL VACUUM CUPS WITH SUPPORTS



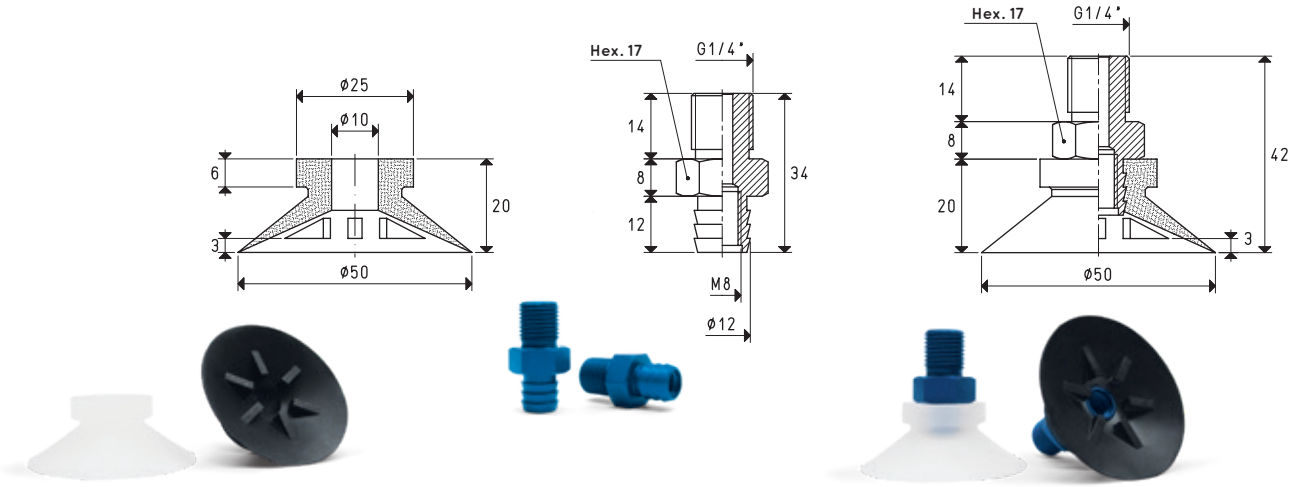
Vacuum cup item	Force Kg	Compounds available	Volume cm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 44 30 N	3.80	(N)	6.7	00 08 127	aluminium	11.5	08 44 30 N	22.8

Compound: (N) = para rubber



Vacuum cup item	Force Kg	Compounds available	Volume cm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 48 18 *	4.52	(N)(S)	11.6	00 08 81	aluminium	8.8	08 48 18 *	17.5

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



Vacuum cup item	Force Kg	Compounds available	Volume cm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 50 20 *	4.90	(A)(N)(S)(NG)	7.0	00 08 24	aluminium	10.3	08 50 20 *	20.3

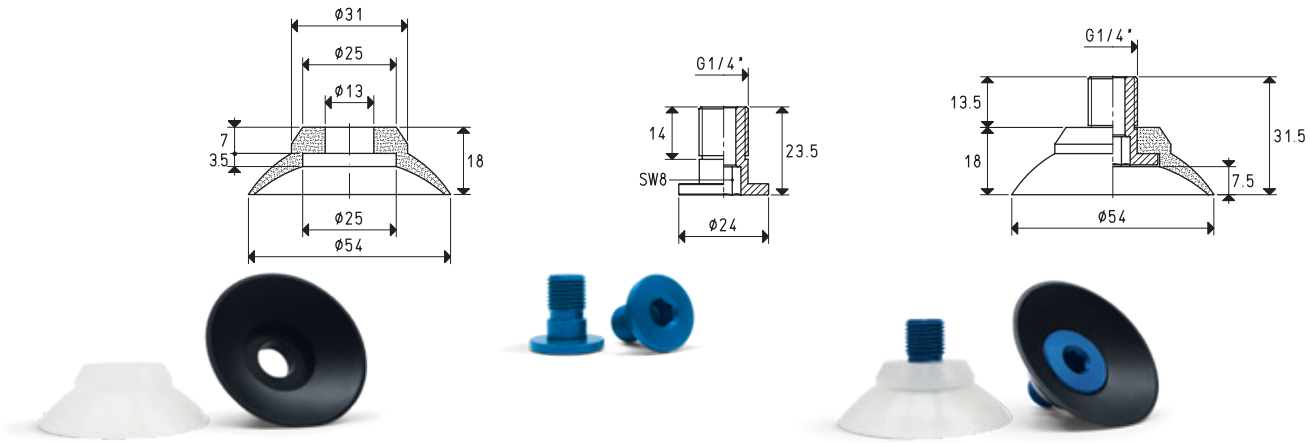
* Complete the code indicating the compound: (A) = oil-resistant rubber; (N) = para rubber; (S) = silicone; (NG) = yellow rubber

Note: Cups in special compounds, listed on page 31 can be provided upon specific request in minimum quantities to be defined in the order.

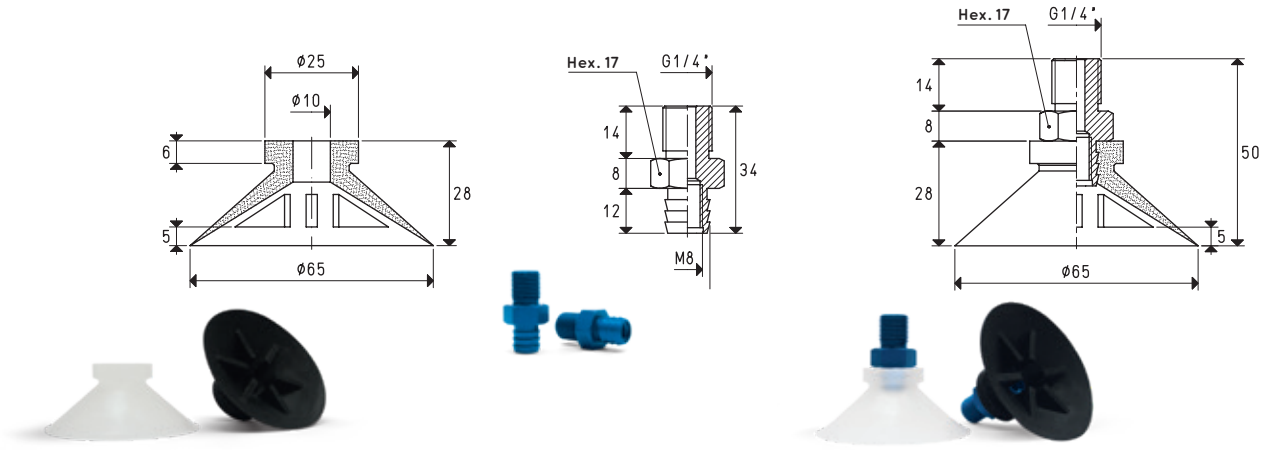
The force of the vacuum cups indicated in the table represents 1/3 of the value of the theoretical force calculated at a level of vacuum of -75 KPa and a factor of safety 3.

Transformation ratio: N (newton) = Kg x 9.81 (force of gravity) inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6}$ = $\frac{Kg}{0.4536}$ Adapters for GAS - NPT threading available on page 1.134

SPECIAL VACUUM CUPS WITH SUPPORTS



Vacuum cup item	Force Kg	Compounds available	Volume cm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 54 18 *	5.72	(A)(N)(S)	11.4	00 08 248	aluminium	5.8	08 54 18 *	16.4



Vacuum cup item	Force Kg	Compounds available	Volume cm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 65 28 *	8.20	(A)(N)(S)(NG)	21.0	00 08 24	aluminium	10.3	08 65 28 *	26.0

* Complete the code indicating the compound: (A) = oil-resistant rubber; (N) = para rubber; (S) = silicone; (NG) = yellow rubber

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) inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$ Adapters for GAS - NPT threading available on page 1.134