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.

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

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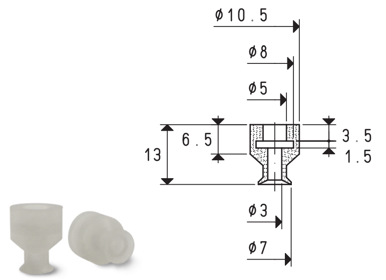
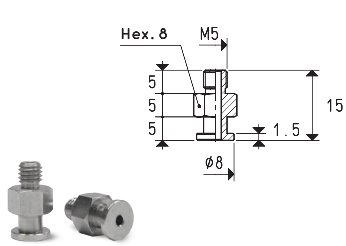
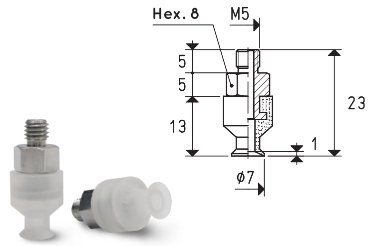
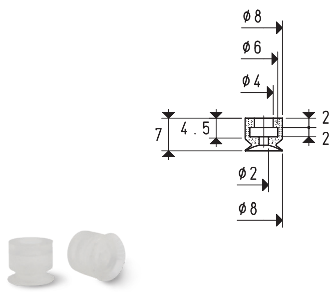


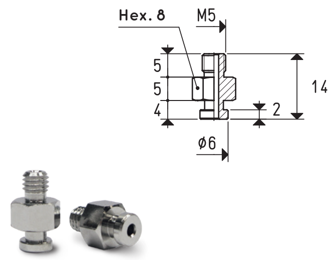


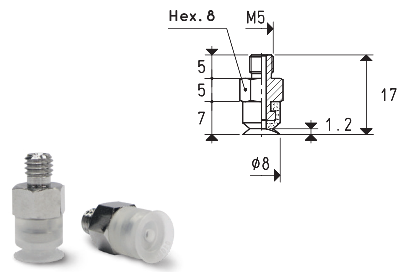


Vacuum cup item	Force Kg	Volume mm³	Support item	Support material	Weight g	Vacuum cup wit upport item	Weight g
01 07 13 *	0.10	19	00 08 236	brass	3	08 07 13 *	3.6

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

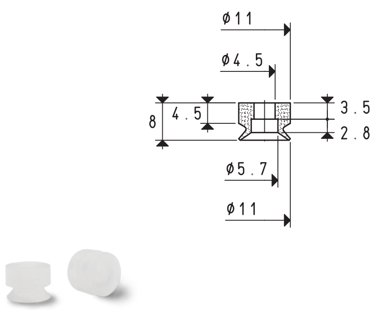


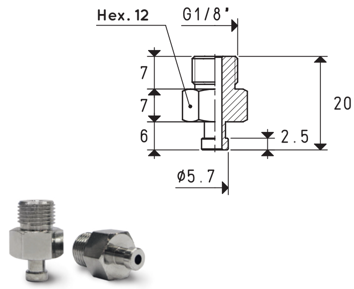


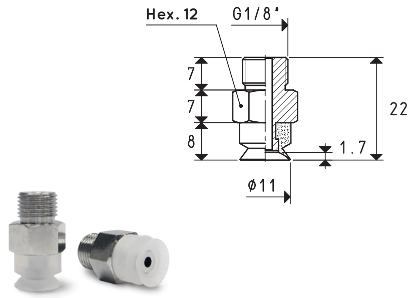


Vacuum cup item	Force Kg	Volume mm³	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 08 07 *	0.13	31	00 08 237	brass	3	08 08 07 *	3.1

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





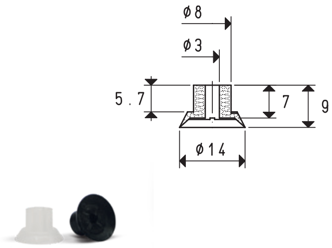


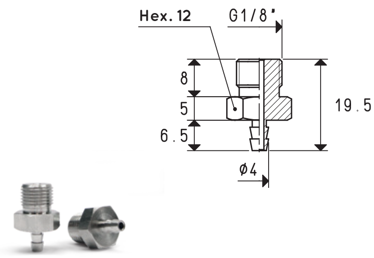
Vacuum cup item	Force Kg	Volume mm³	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 11 08 *	0.24	95	00 08 238	brass	7	08 11 08 *	7.6

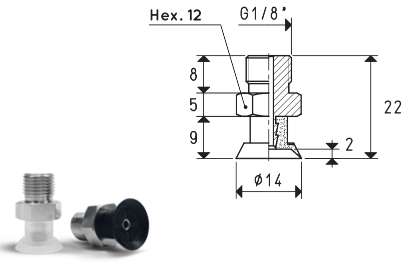
* Complete the code indicating the compound: A= oil-resistant rubber; N= natural para rubber; S= silicone

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

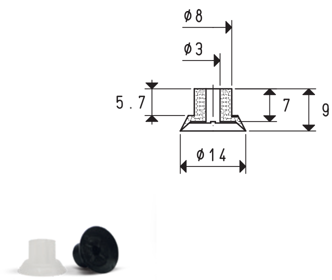


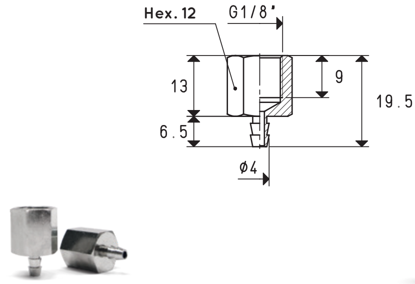


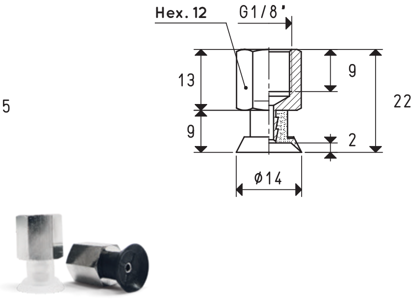


Vacuum cup item	Force Kg	Volume mm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 14 09 *	0.38	220	00 08 239	brass	8.0	08 14 09 *	8.3

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

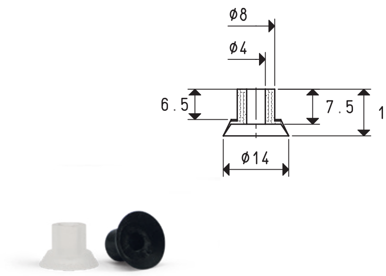


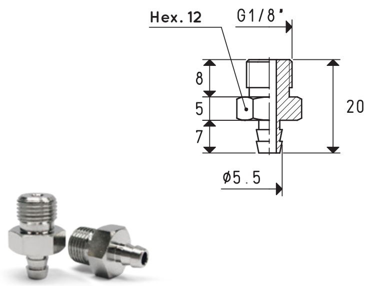


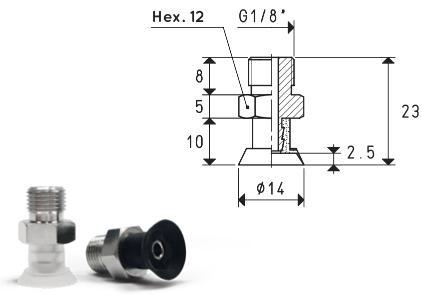


Vacuum cup item	Force Kg	Volume mm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 14 09 *	0.38	220	00 08 240	brass	7.0	08 14 09 F *	7.3

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

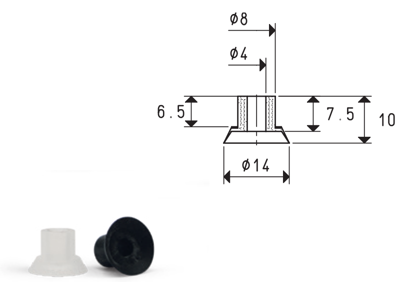


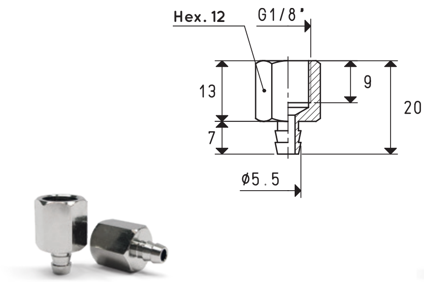


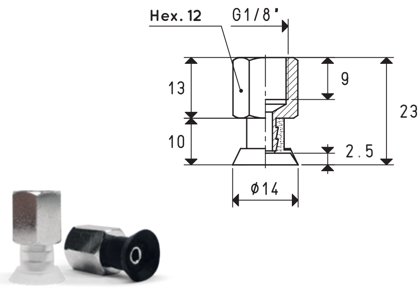


Vacuum cup item	Force Kg	Volume mm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 14 10 *	0.38	301	00 08 03	brass	9.0	08 14 10 *	9.4

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







Vacuum cup item	Force Kg	Volume mm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 14 10 *	0.38	301	00 08 04	brass	8.1	08 14 10 F *	8.5

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

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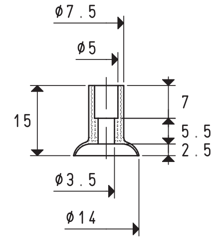
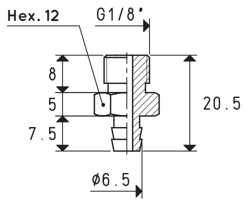
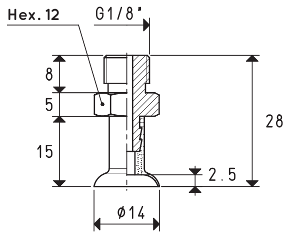
Transformation ratio: N (newton) = Kg x 9.81 (force of gravity) inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6}$ = $\frac{Kg}{0.4536}$ Adapters for GAS - NPT threading available on page 1.130

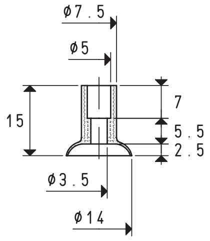


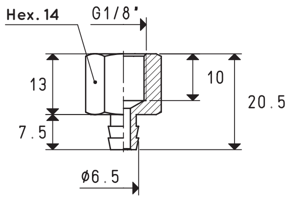


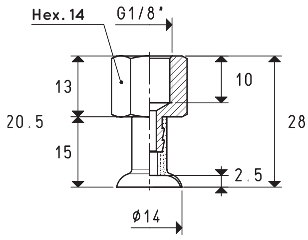


Vacuum cup item	Force Kg	Volume mm³	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 14 15 *	0.38	270	00 08 67	brass	11.4	08 14 15 *	11.9

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

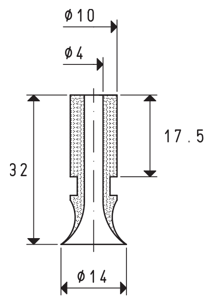


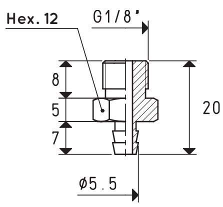


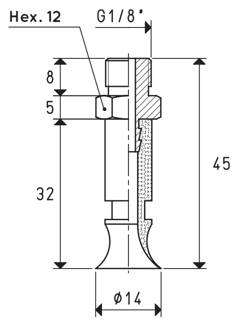


Vacuum cup item	Force Kg	Volume mm³	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 14 15 *	0.38	270	00 08 64	brass	13.9	08 14 15 F *	14.4

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







Vacuum cup item	Force Kg	Volume mm³	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 14 32 *	0.38	397	00 08 03	brass	9.0	08 14 32 *	10.9

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

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.

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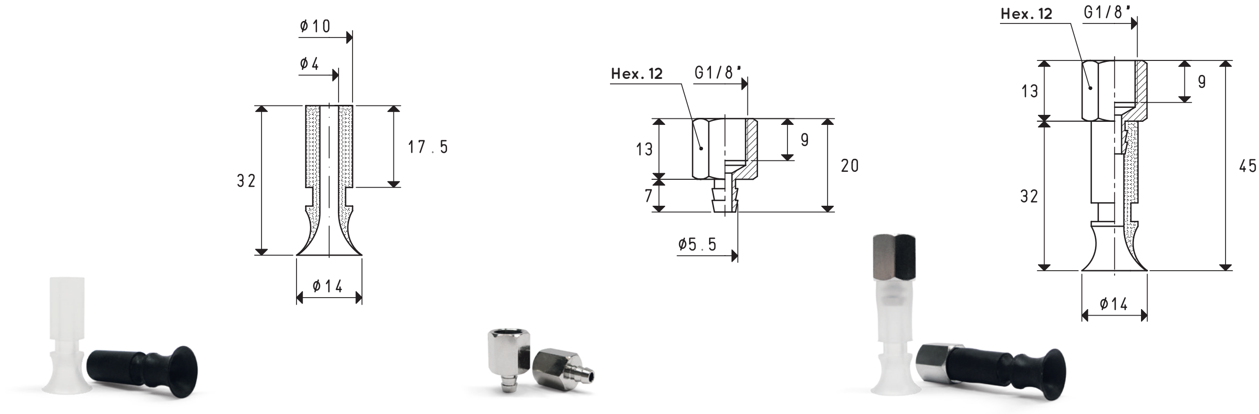
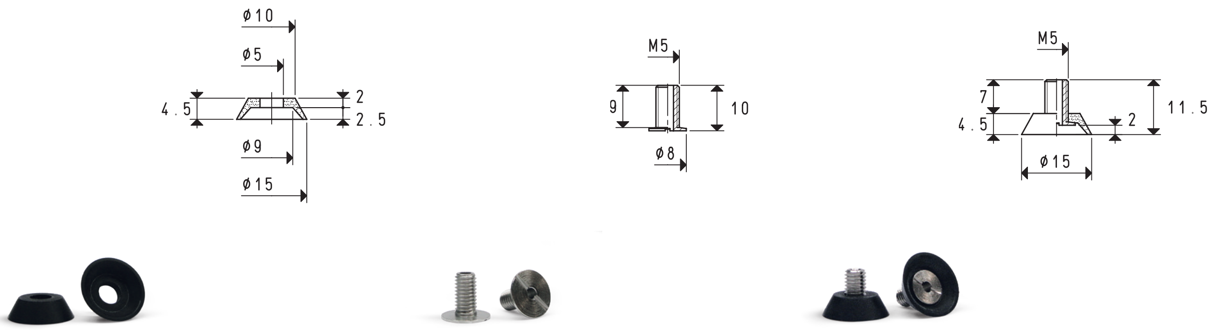


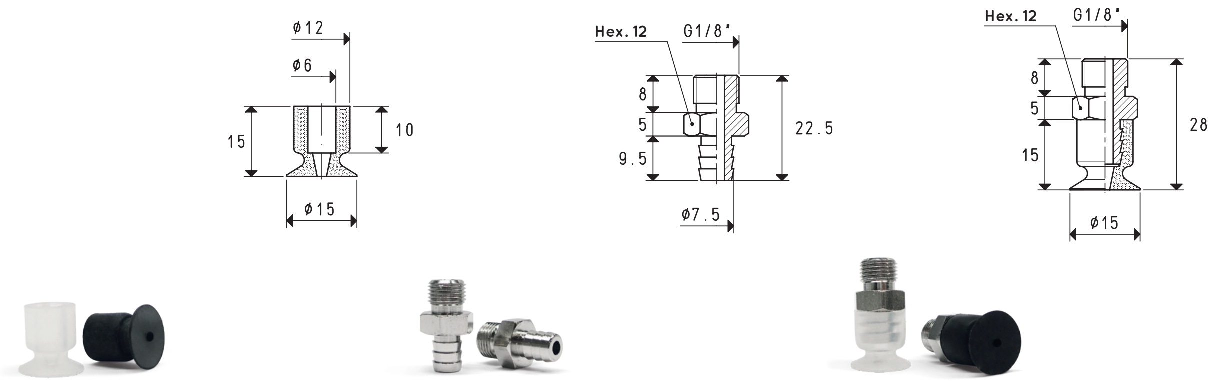
Vacuum cup item	Force Kg	Volume mm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 14 32 *	0.38	397	00 08 04	brass	8.1	08 14 32 F *	10.0

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



Vacuum cup item	Force Kg	Volume mm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 15 04 *	0.44	250	00 08 241	brass	1.5	08 15 04 *	1.7

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



Vacuum cup item	Force Kg	Volume mm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 15 15 *	0.03	14	00 08 05	brass	10.4	08 15 15 *	11.7

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

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.

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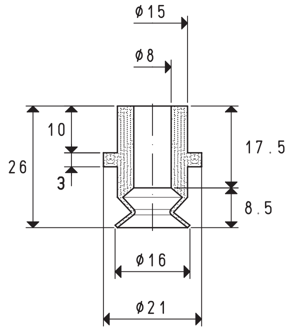
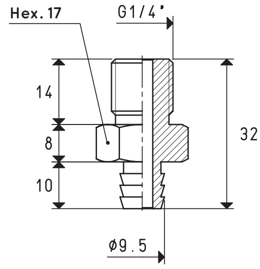
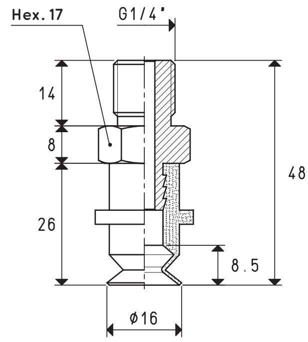
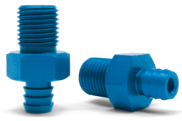
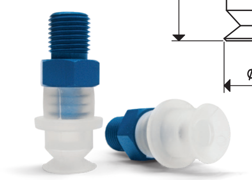
SPECIAL VACUUM CUPS WITH SUPPORTS





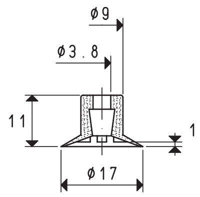


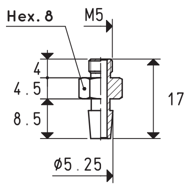


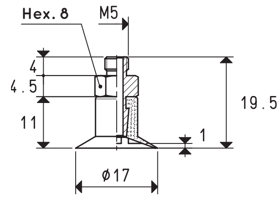


Vacuum cup item	Force Kg	Bellows stroke mm	Volume mm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 16 26 *	0.50	7	293	00 08 18	aluminium	10.3	08 16 26 *	13.7

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

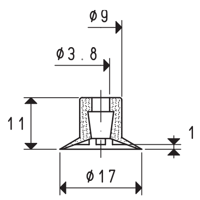


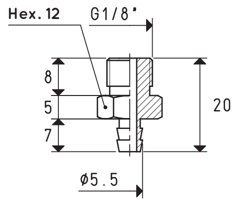


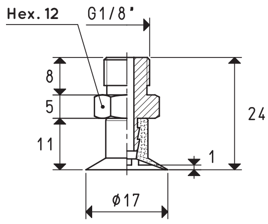


Vacuum cup item	Force Kg	Volume mm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 17 12 *	0.60	213	00 08 06	brass	2.6	08 17 12 *	3.3

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







Vacuum cup item	Force Kg	Volume mm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 17 12 *	0.60	213	00 08 03	brass	9.0	08 17 13 *	9.7

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

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

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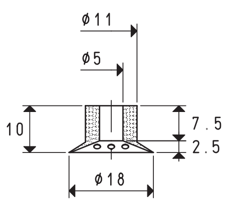
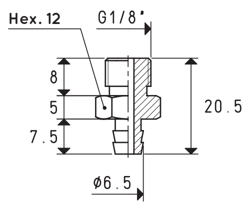
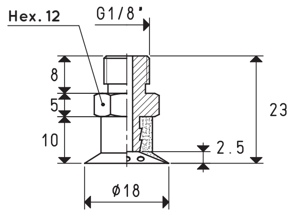
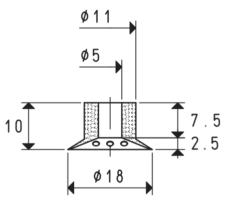


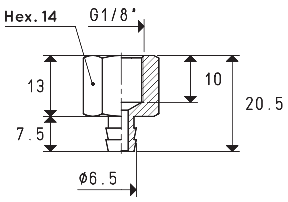


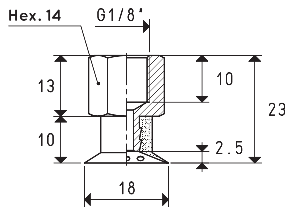


Vacuum cup item	Force Kg	Volume mm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 18 12 *	0.63	459	00 08 67	brass	11.4	08 18 12 *	12.2

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

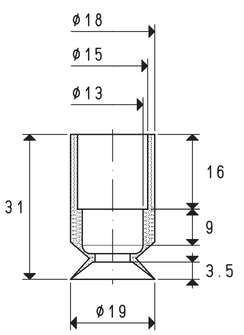


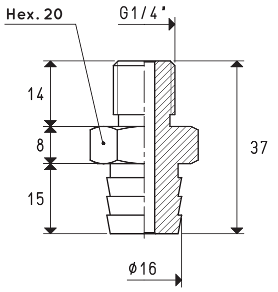


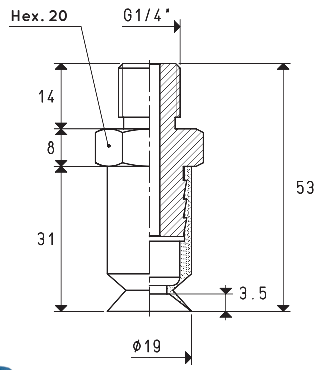


Vacuum cup item	Force Kg	Volume mm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 18 12 *	0.63	459	00 08 64	brass	13.9	08 18 12 F *	14.7

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





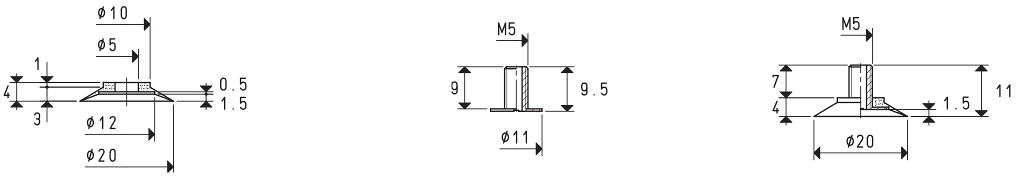


Vacuum cup item	Force Kg	Bellows stroke mm	Volume mm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 19 31 *	0.70	5	532	00 08 09	aluminium	18.1	08 19 31 *	20.9

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

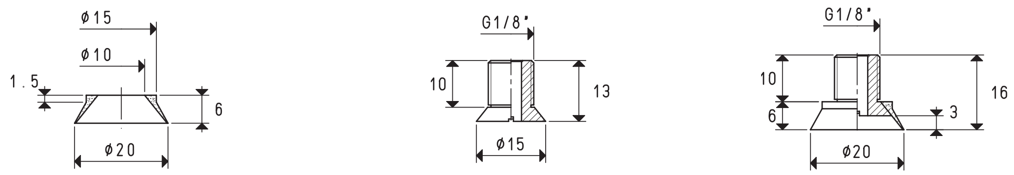
Note: The force of the vacuum cups indicated in the table represents 1/3 of the value of the theoretical force calculated at a level of vacuum of -75 KPa and a factor of safety 3.

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



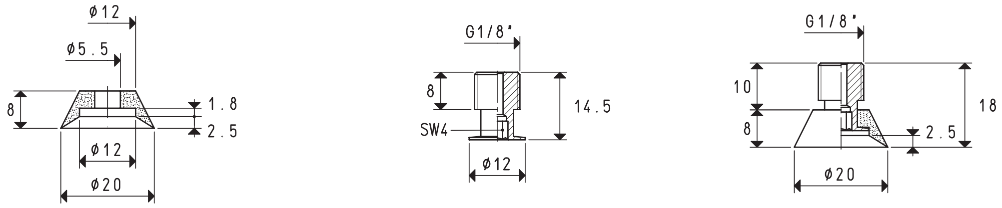
Vacuum cup item	Force Kg	Volume mm³	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 20 04 *	0.78	365	00 08 242	brass	1.8	08 20 04 *	2.0

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



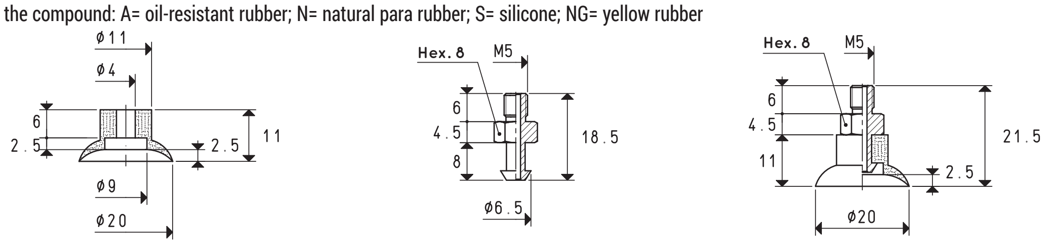
Vacuum cup item	Force Kg	Volume mm³	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 20 06 S	0.78	1068	00 08 243	brass	6.0	08 20 06 *	6.3

Compound: S= silicone



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

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

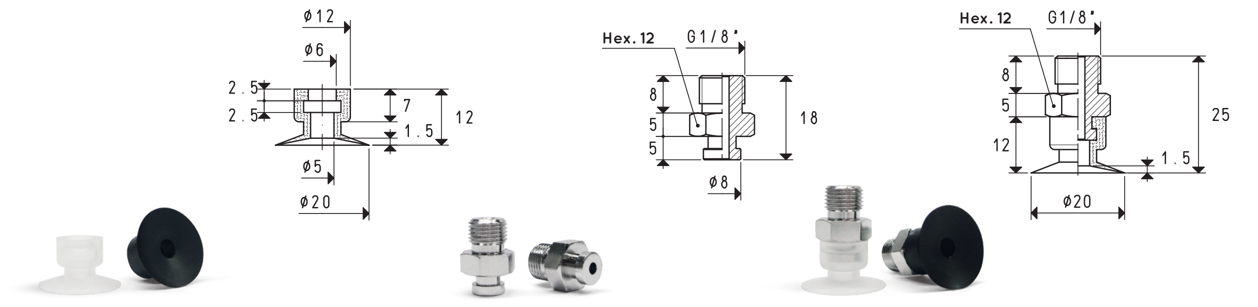


Vacuum cup item	Force Kg	Volume mm³	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 20 11 S	0.78	784	00 08 245	brass	2.7	08 20 11 *	3.7

Compound: S= silicone

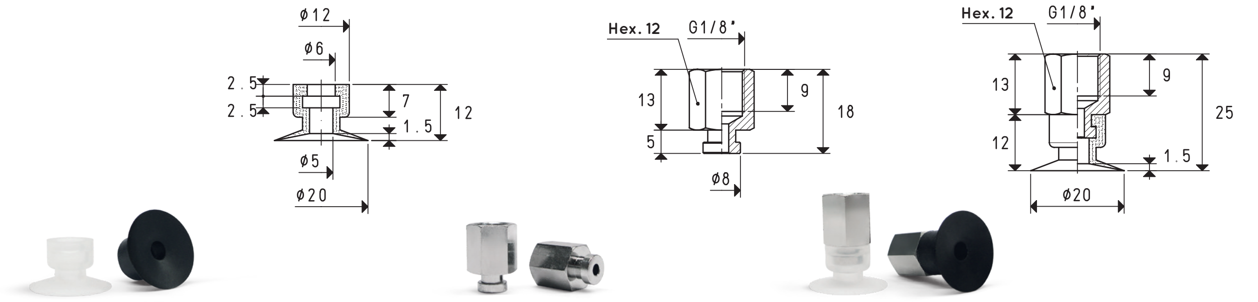
Note: The force of the vacuum cups indicated in the table represents 1/3 of the value of the theoretical force calculated at a level of vacuum of -75 KPa and a factor of safety 3.

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



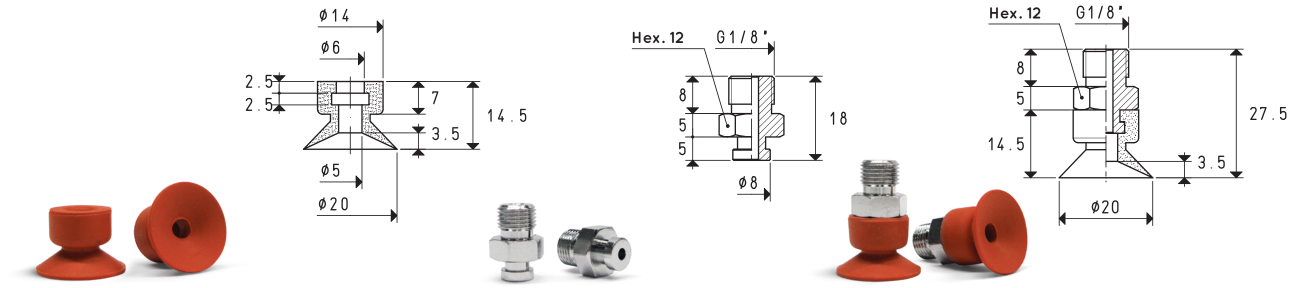
Vacuum cup item	Force Kg	Volume mm³	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 20 12 *	0.78	314	00 08 146	brass	9.8	08 20 12 *	10.7

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



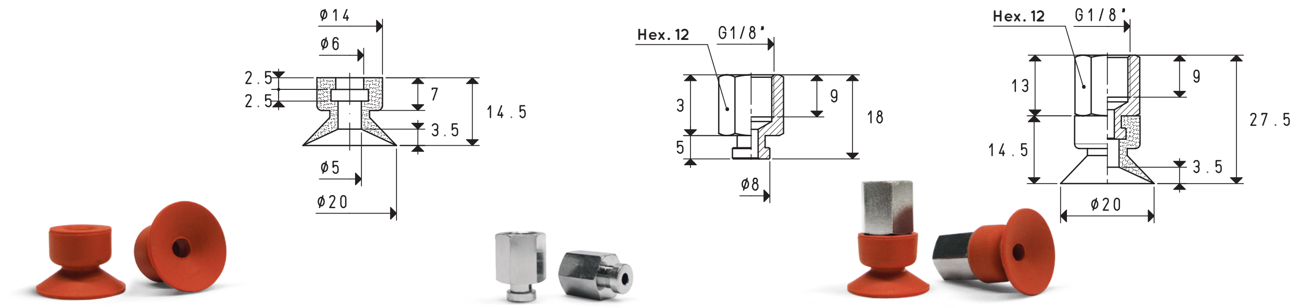
Vacuum cup item	Force Kg	Volume mm³	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 20 12 *	0.78	314	00 08 155	brass	9.1	08 20 12 F *	10.0

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



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

Compound: N= orange colour natural rubber

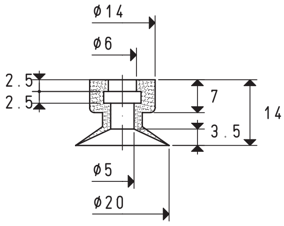


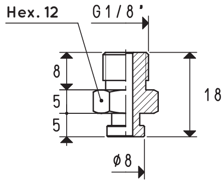
Vacuum cup item	Force Kg	Volume mm³	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 20 14 N	0.78	589	00 08 155	brass	9.1	08 20 14 F *	10.6

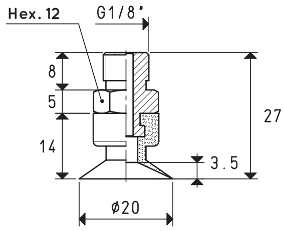
Compound: N= orange colour natural rubber

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

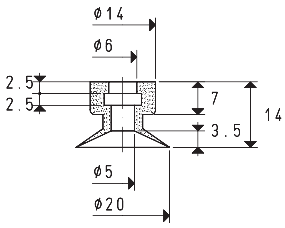


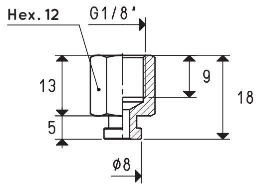


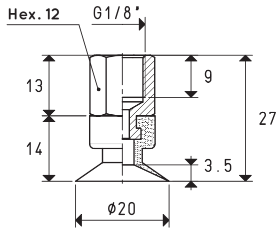


Vacuum cup item	Force Kg	Volume mm³	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 20 15 *	0.78	599	00 08 146	brass	9.8	08 20 15 *	11.0

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

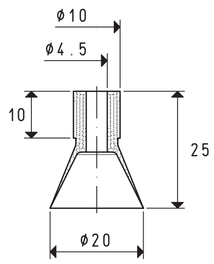


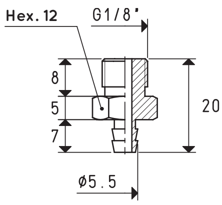


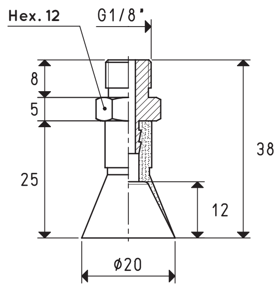


Vacuum cup item	Force Kg	Volume mm³	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 20 15 *	0.78	599	00 08 155	brass	9.1	08 20 15 F *	10.3

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







Vacuum cup item	Force Kg	Volume cm³	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 20 24 *	0.78	1.9	00 08 03	brass	9.0	08 20 24 *	10.2

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

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

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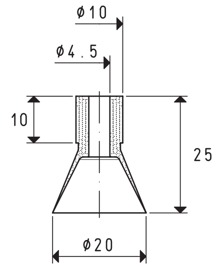
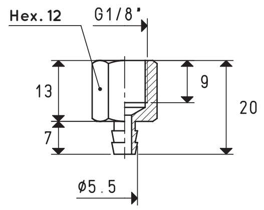
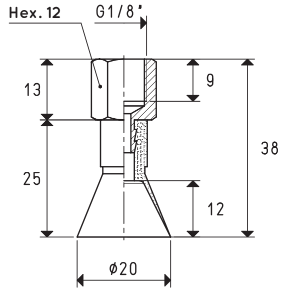
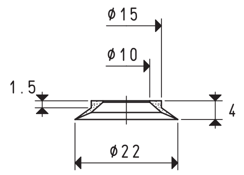


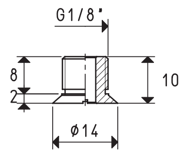


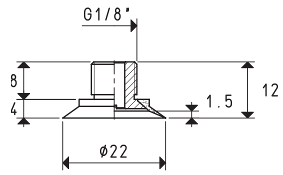


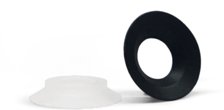
Vacuum cup item	**Force** Kg	**Volume** cm^3	**Support** item	**Support material**	**Weight** g	**Vacuum cup with support** item	**Weight** g
01 20 24 *	0.78	1.9	00 08 04	brass	8.1	08 20 24 F *	9.3

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



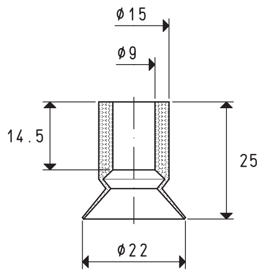


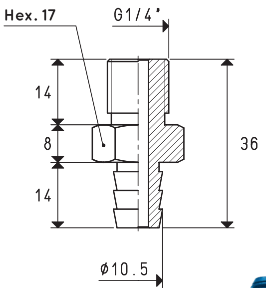


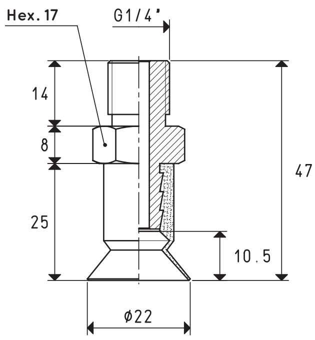


Vacuum cup item	**Force** Kg	**Volume** mm^3	**Support** item	**Support material**	**Weight** g	**Vacuum cup with support** item	**Weight** g
01 22 06 *	0.95	681	00 08 246	brass	5.0	08 22 06 *	5.3

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





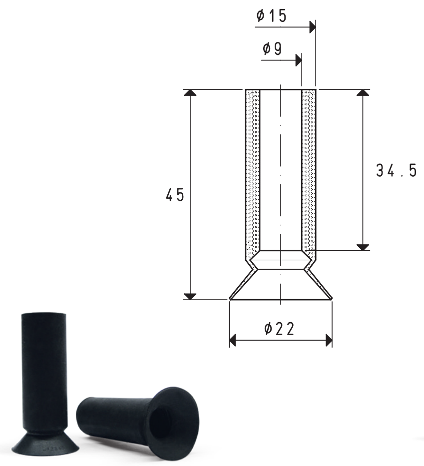


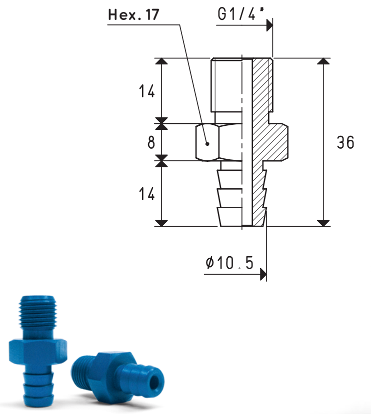
Vacuum cup item	**Force** Kg	**Bellows stroke** mm	**Volume** cm^3	**Support** item	**Support material**	**Weight** g	**Vacuum cup with support** item	**Weight** g
01 22 24 *	0.95	7	1.3	00 08 10	aluminium	11.0	08 22 24 *	13.6

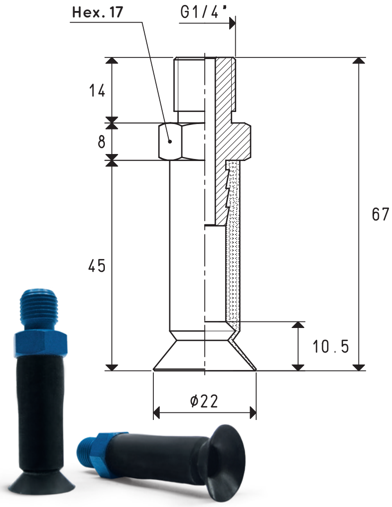
* Complete the code indicating the compound: A= oil-resistant rubber; N= natural para rubber; S= silicone

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

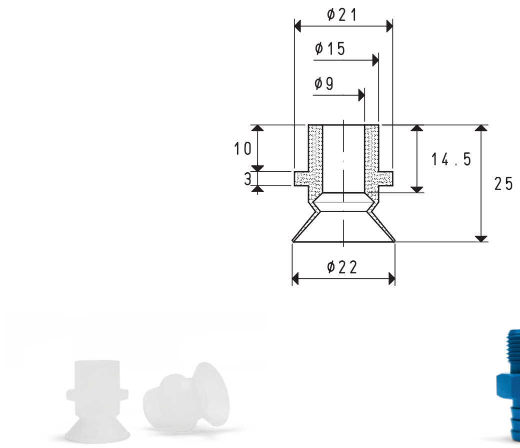


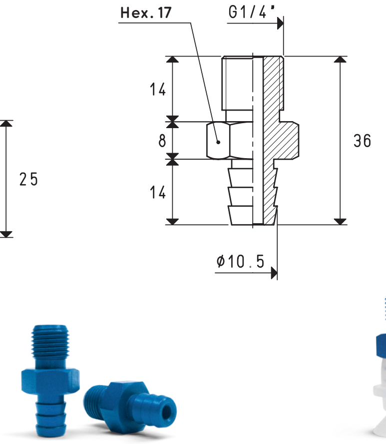


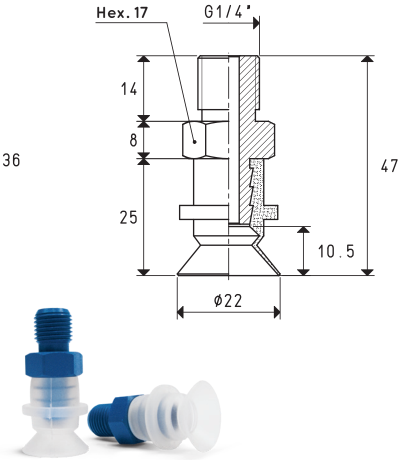


Vacuum cup item	Force Kg	Bellows stroke mm	Volume cm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 22 45 *	0.95	7	2.7	00 08 10	aluminium	11.0	08 22 45 *	16.1

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

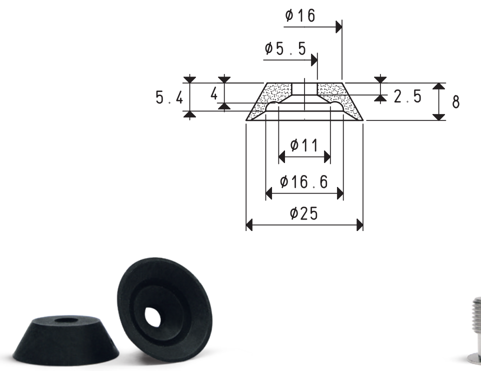


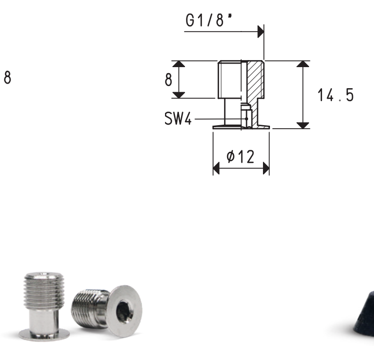


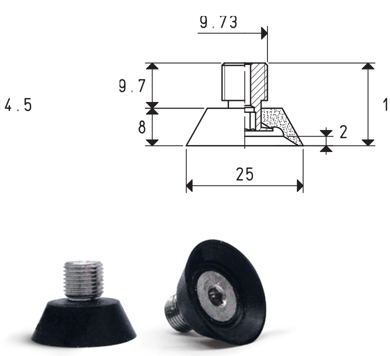


Vacuum cup item	Force Kg	Bellows stroke mm	Volume cm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 22 99 *	0.95	7	1.7	00 08 10	aluminium	11.0	08 22 99 *	13.8

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







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

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

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

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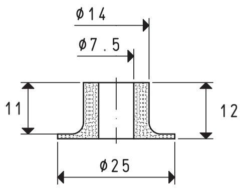
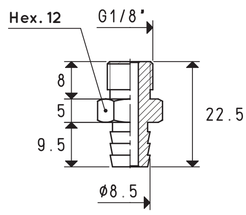
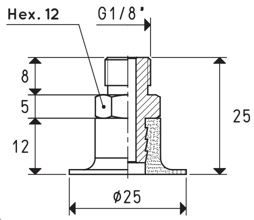
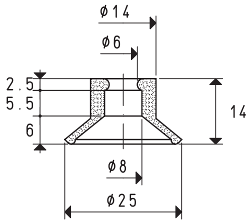


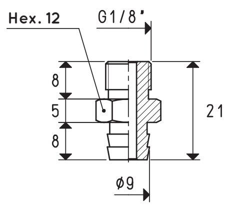


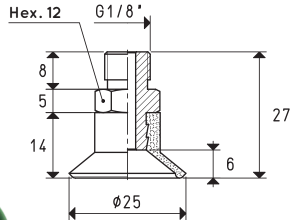


Vacuum cup item	Force Kg	Volume mm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 25 12 *	0.11	125	00 08 82	brass	11.2	08 25 12 *	12.7

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

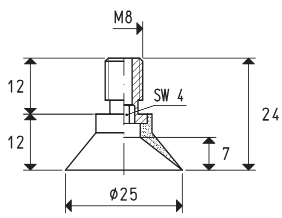






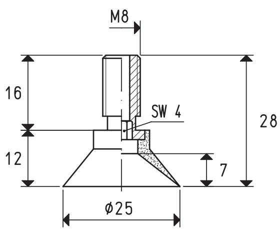
Vacuum cup item	Force Kg	Volume cm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 25 14 N	1.23	1.1	00 08 101	brass	10.8	08 25 14 *	12.6

Compound: N= green colour natural rubber



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

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



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

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

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

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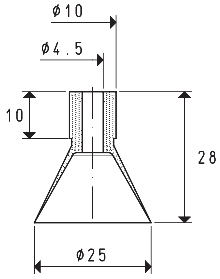
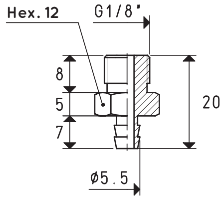
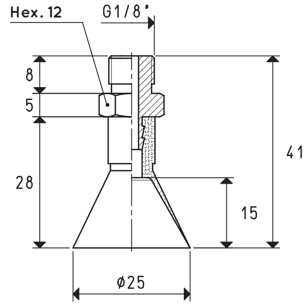
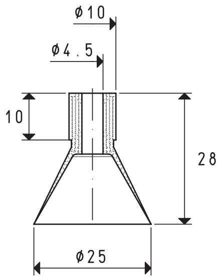


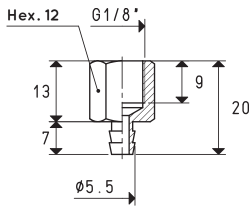


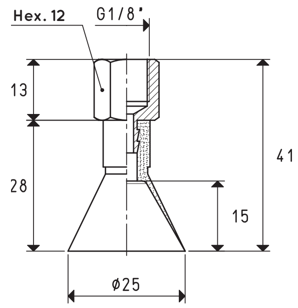


Vacuum cup item	Force Kg	Volume cm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 25 28 *	1.23	3.4	00 08 03	brass	9.0	08 25 28 *	10.7

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

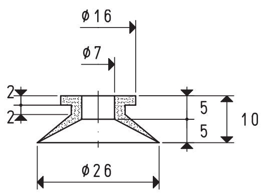


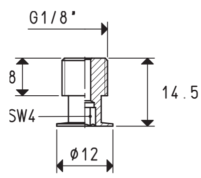


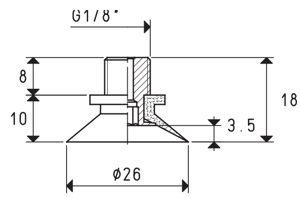


Vacuum cup item	Force Kg	Volume cm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 25 28 *	1.23	3.4	00 08 04	brass	8.1	08 25 28 F *	9.8

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





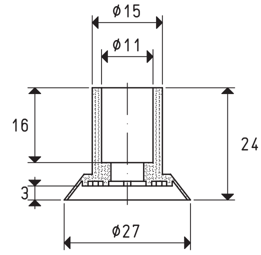


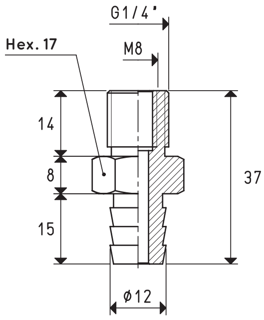
Vacuum cup item	Force Kg	Volume cm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 26 10 *	1.33	1.1	00 08 60	brass	5.6	08 26 10 *	6.5

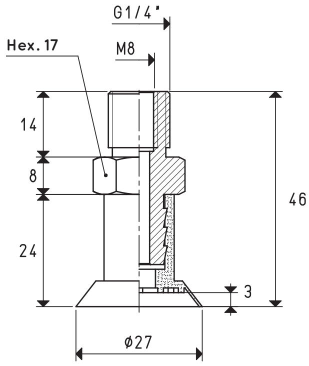
* Complete the code indicating the compound: A= oil-resistant rubber; N= natural para rubber; S= silicone; NG= yellow rubber

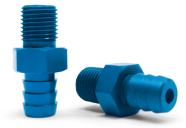
Note: The force of the vacuum cups indicated in the table represents 1/3 of the value of the theoretical force calculated at a level of vacuum of -75 KPa and a factor of safety 3.

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



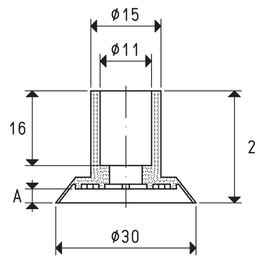


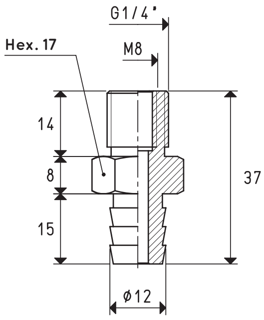


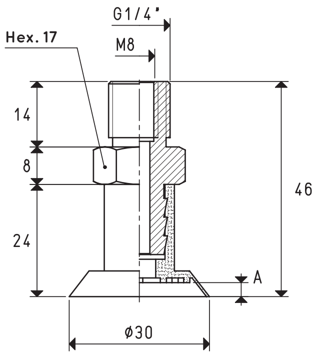


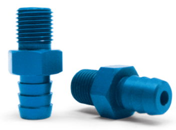
Vacuum cup item	Force Kg	Volume cm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 27 24 *	1.43	2.2	00 08 15	aluminium	12.3	08 27 24 *	15.1

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



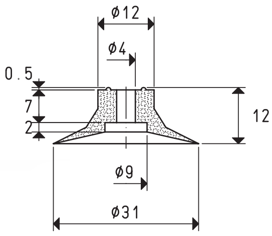


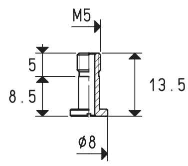


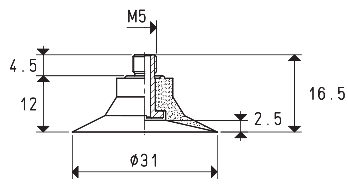


Vacuum cup item	Force Kg	A	Volume cm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 30 24 *	1.76	3.0	2.2	00 08 15	aluminium	12.3	08 30 24 *	15.2
01 30 24 L *	1.76	1.5	1.8	00 08 15	aluminium	12.3	08 30 24 L *	15.5

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







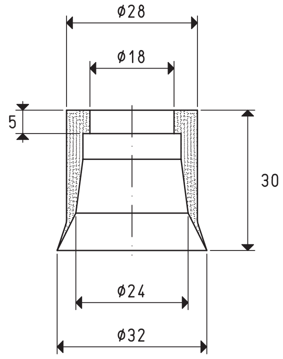
Vacuum cup item	Force Kg	Volume mm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 31 12 *	1.89	991	00 08 249	brass	1.8	08 31 12 *	3.4

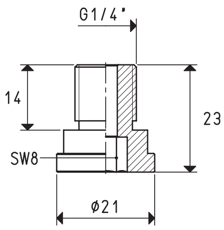
* Complete the code indicating the compound: A= oil-resistant rubber; N= natural para rubber; S= silicone

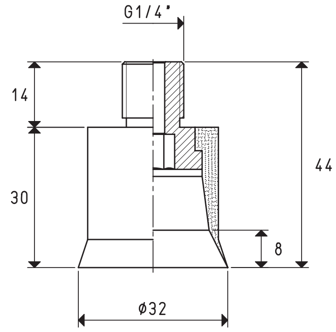
Note: The force of the vacuum cups indicated in the table represents 1/3 of the value of the theoretical force calculated at a level of vacuum of -75 KPa and a factor of safety 3.

Transformation ratio: N (newton) = Kg x 9.81 (force of gravity) $\quad$ inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6}$ = $\frac{Kg}{0.4536}$ $\quad$ Adapters for GAS - NPT threading available on page 1.130

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

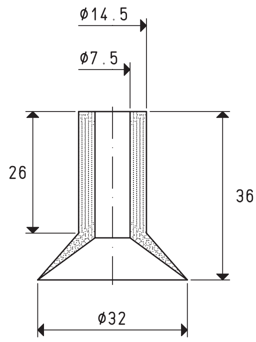


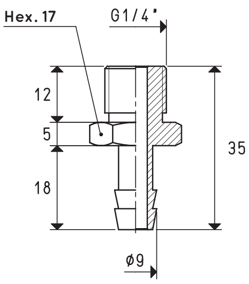


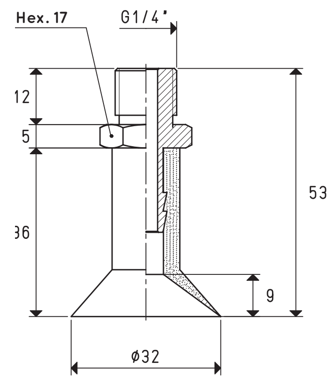


Vacuum cup item	Force Kg	Volume cm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 32 30 *	2.00	11.4	00 08 250	aluminium	8.6	08 32 30 *	14.5

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





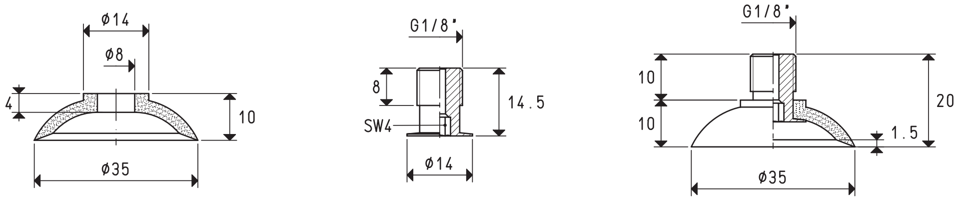


Vacuum cup item	Force Kg	Volume cm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 32 36 *	2.00	3.4	00 08 19	brass	22.7	08 32 36 *	27.8

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

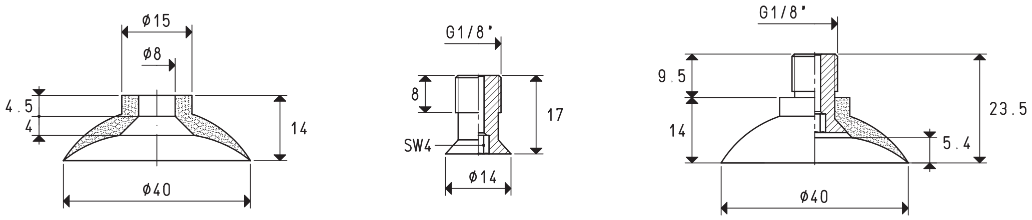
Note: The force of the vacuum cups indicated in the table represents 1/3 of the value of the theoretical force calculated at a level of vacuum of -75 KPa and a factor of safety 3.

Transformation ratio: N (newton) = Kg x 9.81 (force of gravity) $\quad$ inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$ $\quad$ Adapters for GAS - NPT threading available on page 1.130



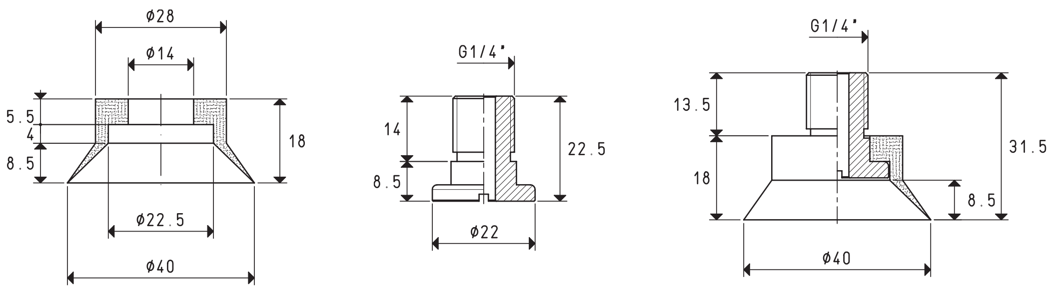
Vacuum cup item	Force Kg	Volume cm³	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 35 12 *	2.40	2.9	00 08 244	brass	5.9	08 35 12 *	8.8

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



Vacuum cup item	Force Kg	Volume cm³	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 40 14 *	3.14	4.8	00 08 247	brass	8.4	08 40 14 *	12.7

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

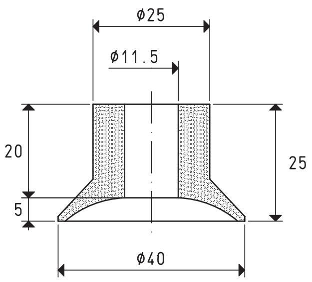


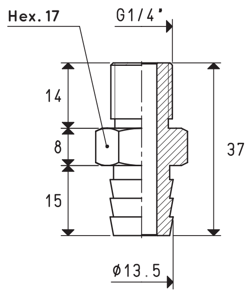
Vacuum cup item	Force Kg	Volume cm³	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 40 18 *	3.14	8.2	00 08 81	aluminium	8.8	08 40 18 *	15.0

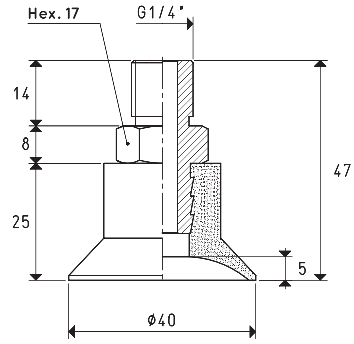
* Complete the code indicating the compound: A= oil-resistant rubber; N= natural para rubber; S= silicone

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

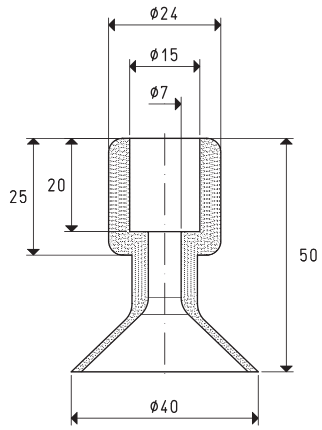


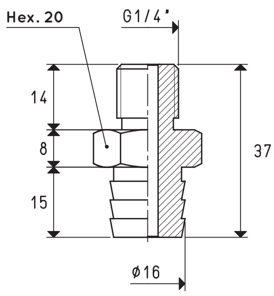


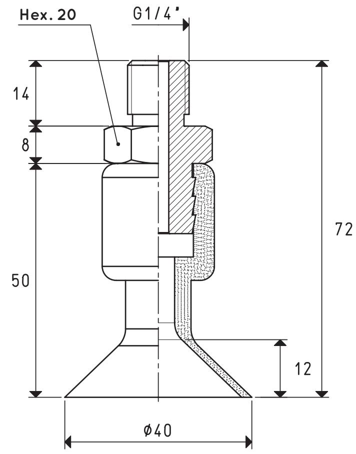


Vacuum cup item	Force Kg	Volume cm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 40 25 *	3.14	3.4	00 08 127	aluminium	11.5	08 40 24 *	21.0

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

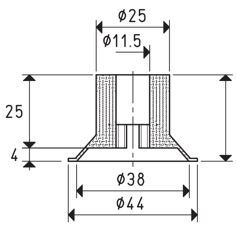


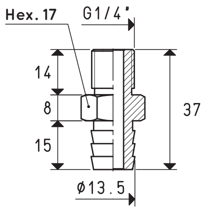


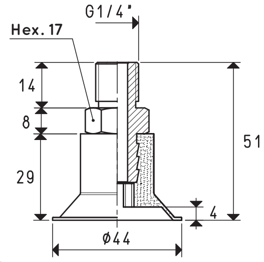


Vacuum cup item	Force Kg	Volume cm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 40 70 *	3.14	6.3	00 08 09	aluminium	18.1	08 40 70 *	32.0

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

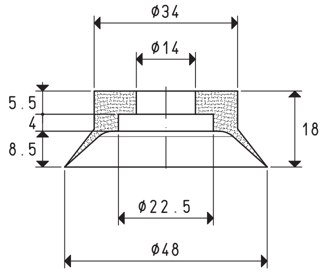


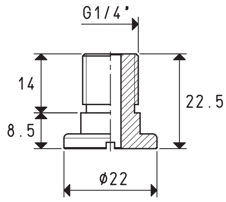


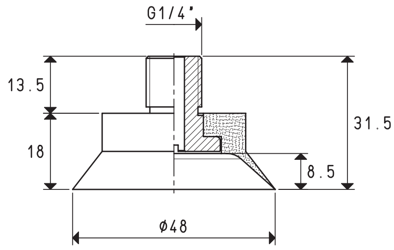


Vacuum cup item	Force Kg	Volume cm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 44 30 *	3.80	6.7	00 08 127	aluminium	11.5	08 44 30 *	22.8

* Complete the code indicating the compound: N= natural para rubber; NG= yellow rubber

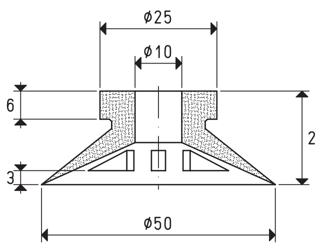


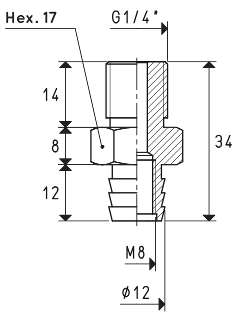


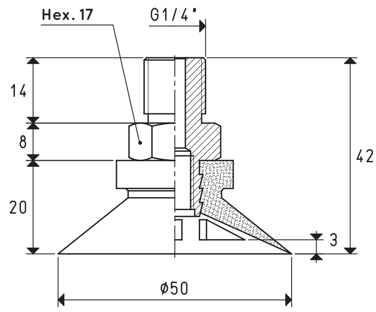


Vacuum cup item	Force Kg	Volume cm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 48 18 *	4.52	11.6	00 08 81	aluminium	8.8	08 48 18 *	17.5

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





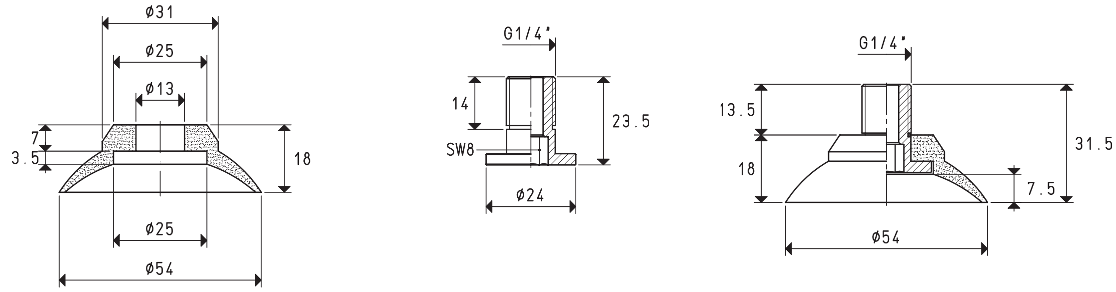


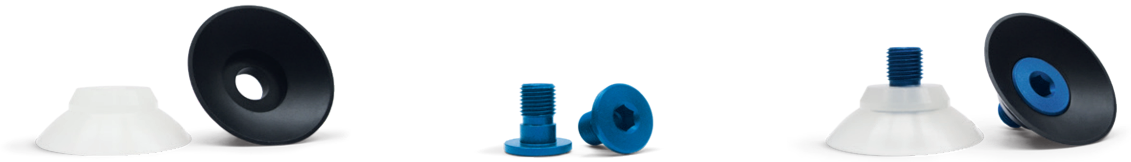
Vacuum cup item	Force Kg	Volume cm^3	Support item	Support material	Weight g	Vacuum cup with support item	Weight g
01 50 20 *	4.90	7.0	00 08 24	aluminium	10.3	08 50 20 *	20.3

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

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.

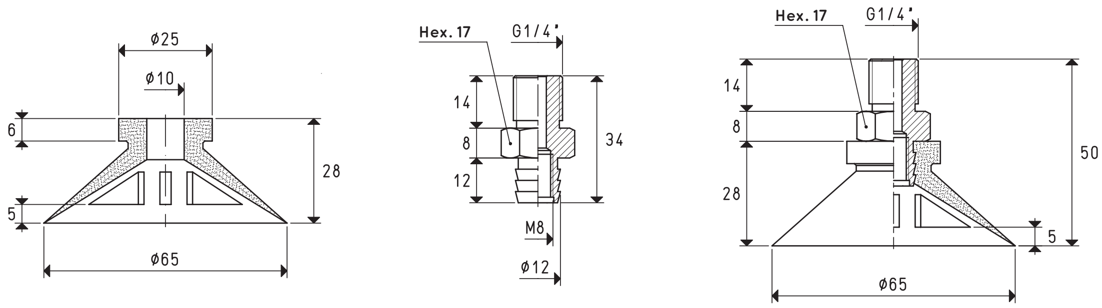
Transformation ratio: N (newton) = Kg x 9.81 (force of gravity) inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6}$ = $\frac{Kg}{0.4536}$ Adapters for GAS - NPT threading available on page 1.130





Vacuum cup item	**Force** Kg	**Volume** cm^3	**Support** item	**Support material**	**Weight** g	**Vacuum cup with support** item	**Weight** g
01 54 18 *	5.72	11.4	00 08 248	aluminium	5.8	08 54 18 *	16.4

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



Vacuum cup item	**Force** Kg	**Volume** cm^3	**Support** item	**Support material**	**Weight** g	**Vacuum cup with support** item	**Weight** g
01 65 28 *	8.20	21.0	00 08 24	aluminium	10.3	08 65 28 *	26.0

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

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