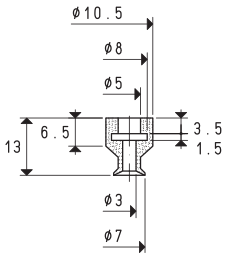
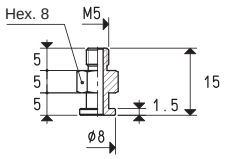
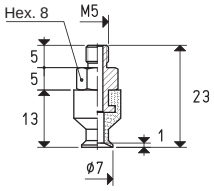
SPECIAL CUPS WITH SUPPORT

These cups 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, cardboard, metal and plastic objects, biscuits, chocolates, 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 machine.
These cups can be manually assembled onto their supports with no adhesives. They are available in the standard compounds, but they can also be provided in the special compounds listed at page 21 in minimum amounts to be defined in the order.

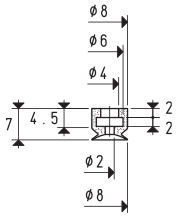


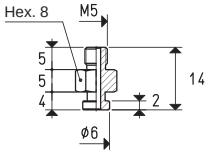


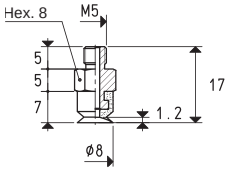


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 07 13 *	0.10	00 08 236	brass	3	08 07 13 *	3.6

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

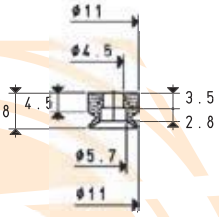


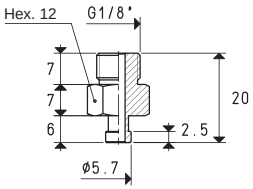


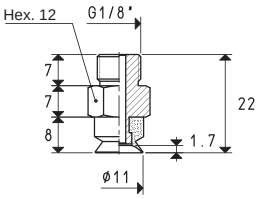


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 08 07 *	0.13	00 08 237	brass	3	08 08 07 *	3.1

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





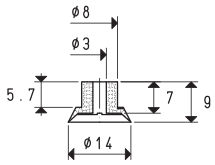


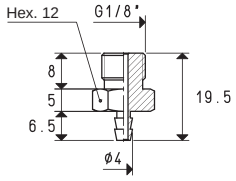
Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 11 08 *	0.24	00 08 238	brass	7	08 11 08 *	7.6

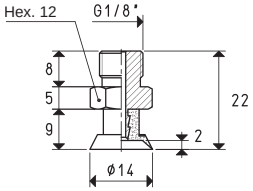
* Complete the code indicating the compound: A= oil-resistant rubber; N= natural para rubber; S= silicon

Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

GAS - NPT thread adapters available at page 1.117

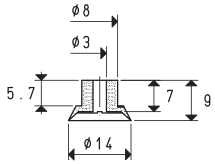


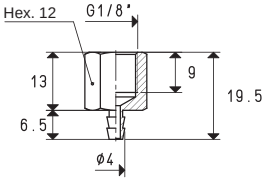


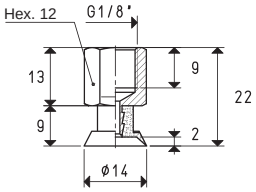


Cup Art.	Force Kg	Support Art.	Support Material	Weight g	Cups with support Art.	Weight g
01 14 09 *	0.38	00 08 239	brass	8.0	08 14 09 *	8.3

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

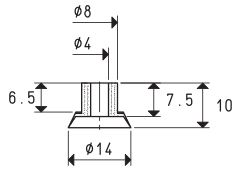


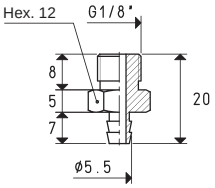


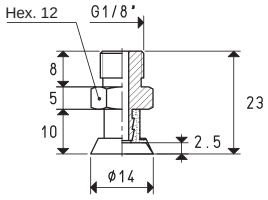


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 14 09 *	0.38	00 08 240	brass	7.0	08 14 09 F *	7.3

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

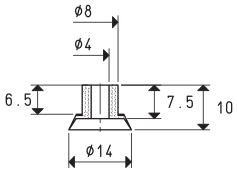


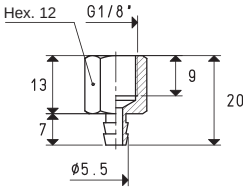


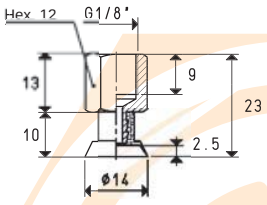


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 14 10 *	0.38	00 08 03	brass	9.0	08 14 10 *	9.4

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







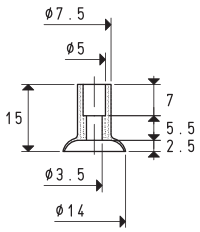
Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 14 10 *	0.38	00 08 04	brass	8.1	08 14 10 F *	8.5

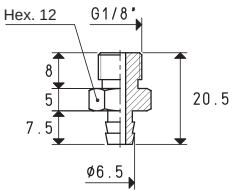
* Complete the code indicating the compound: A= oil-resistant rubber; N= natural para rubber; S= silicon

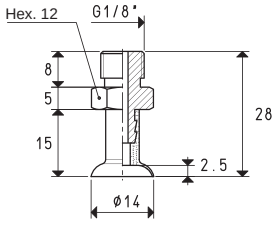
Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6}$ = $\frac{Kg}{0.4536}$

GAS - NPT thread adapters available at page 1.117

SPECIAL CUPS WITH SUPPORT

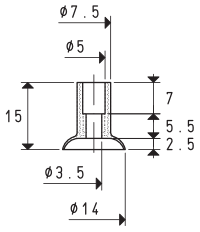


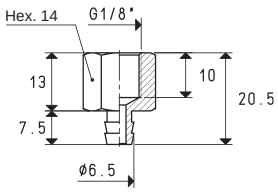


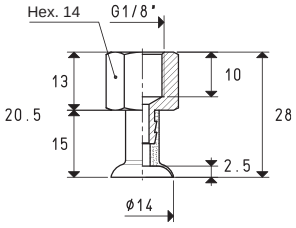


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 14 15 *	0.38	00 08 67	brass	11.4	08 14 15 *	11.9

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

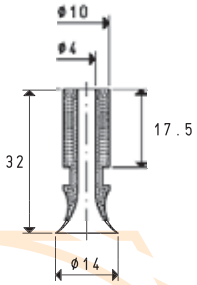


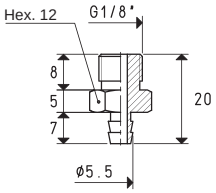


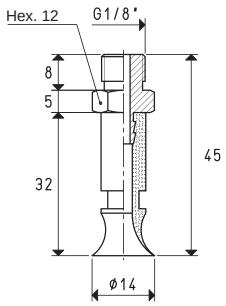


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 14 15 *	0.38	00 08 64	brass	13.9	08 14 15 F *	14.4

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





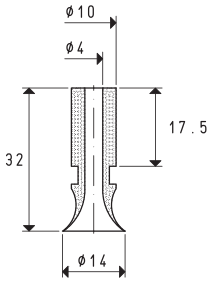


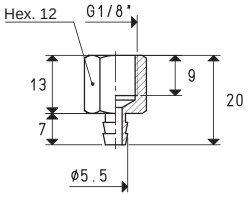
Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 14 32 *	0.38	00 08 03	brass	9.0	08 14 32 *	10.9

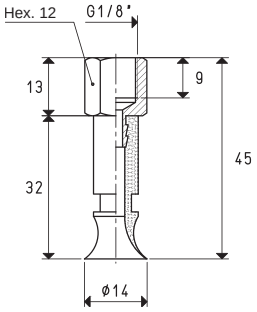
* Complete the code indicating the compound: A= oil-resistant rubber; N= natural para rubber; S= silicon

Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

GAS - NPT thread adapters available at page 1.117

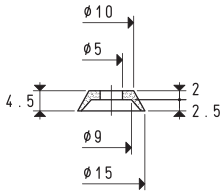


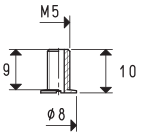


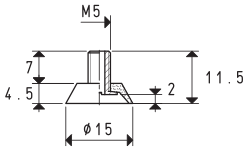


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 14 32 *	0.38	00 08 04	brass	8.1	08 14 32 F *	10.0

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

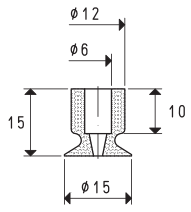


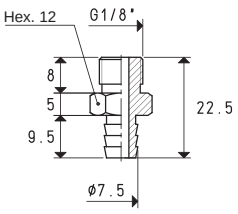


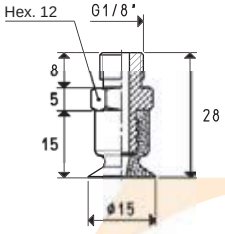


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 15 04 *	0.44	00 08 241	brass	1.5	08 15 04 *	1.7

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







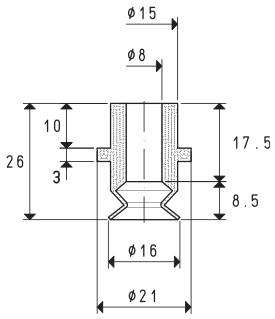
Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cups with support Art.	Weight g
01 15 15 *	0.03	00 08 05	brass	10.4	08 15 15 *	11.7

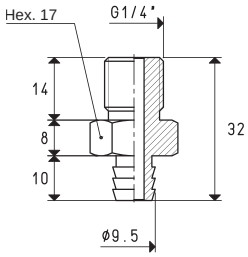
* Complete the code indicating the compound: A= oil-resistant rubber; N= natural para rubber; S= silicon

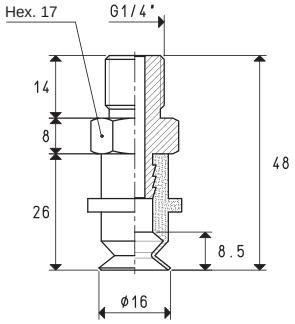
Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6}$ = $\frac{Kg}{0.4536}$

GAS - NPT thread adapters available at page 1.117

SPECIAL CUPS WITH SUPPORT

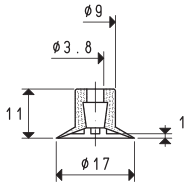


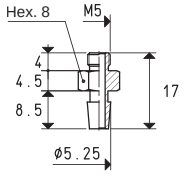


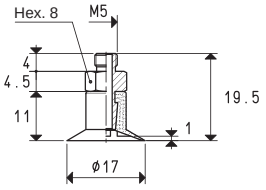


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 16 26 *	0.50	00 08 18	aluminium	10.3	08 16 26 *	13.7

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

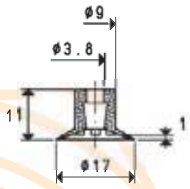


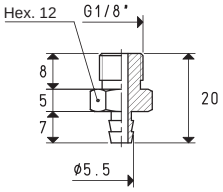


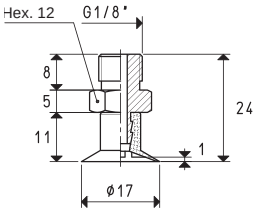


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 17 12 *	0.60	00 08 06	brass	2.6	08 17 12 *	3.3

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





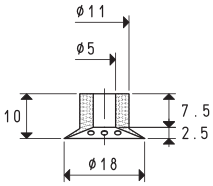


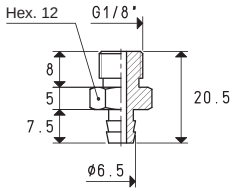
Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 17 12 *	0.60	00 08 03	brass	9.0	08 17 13 *	9.7

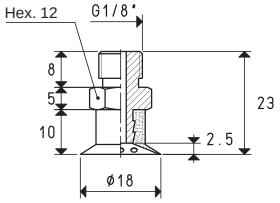
* Complete the code indicating the compound: A= oil-resistant rubber; N= natural para rubber; S= silicon

Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

GAS - NPT thread adapters available at page 1.117

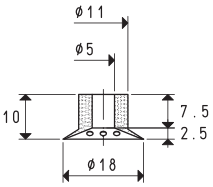


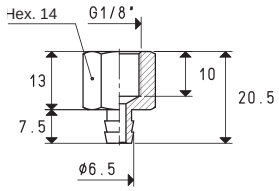


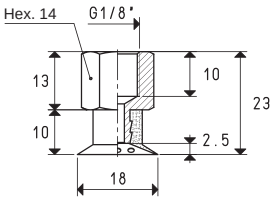


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 18 12 *	0.63	00 08 67	brass	11.4	08 18 12 *	12.2

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

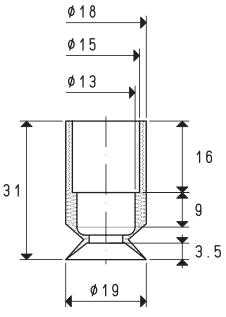


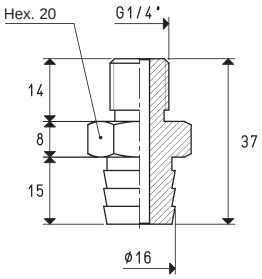


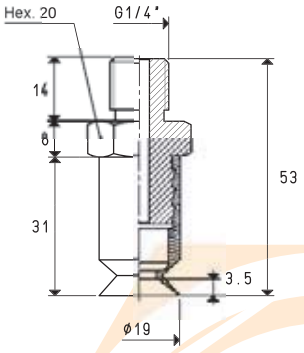


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 18 12 *	0.63	00 08 64	brass	13.9	08 18 12 F *	14.7

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







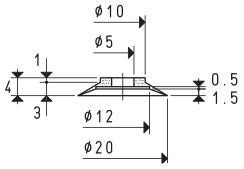
Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 19 31 *	0.70	00 08 09	aluminium	18.1	08 19 31 *	20.9

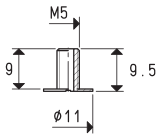
* Complete the code indicating the compound: A= oil-resistant rubber; N= natural para rubber; S= silicon

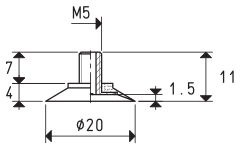
Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6}$ = $\frac{Kg}{0.4536}$

GAS - NPT thread adapters available at page 1.117

SPECIAL CUPS WITH SUPPORT

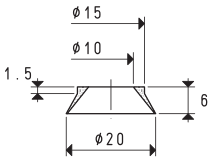


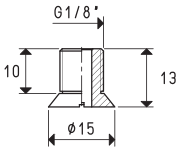


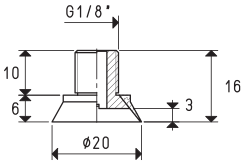


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 20 04 *	0.78	00 08 242	brass	1.8	08 20 04 *	2.0

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

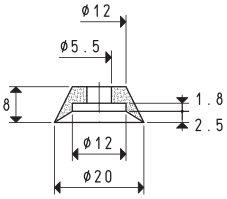


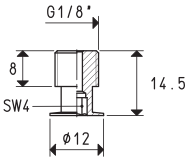


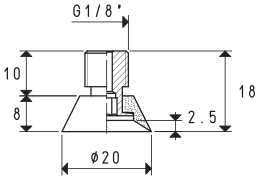


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 20 06 *	0.78	00 08 243	brass	6.0	08 20 06 *	6.3

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

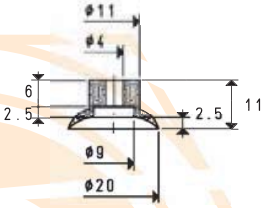


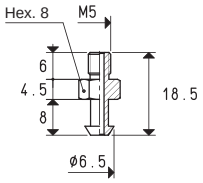


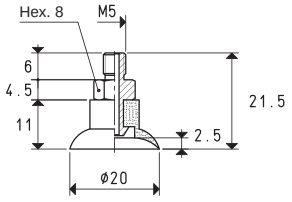


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 20 08 *	0.78	00 08 60	brass	5.6	08 20 08 *	6.4

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





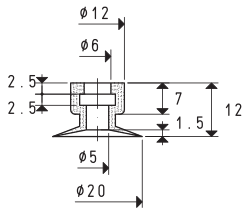


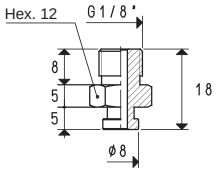
Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 20 11 *	0.78	00 08 245	brass	2.7	08 20 11 *	3.7

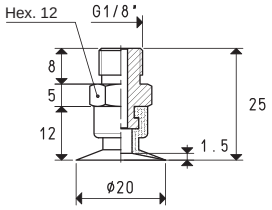
* Complete the code indicating the compound: A= oil-resistant rubber; N= natural para rubber; S= silicon

Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

GAS - NPT thread adapters available at page 1.117

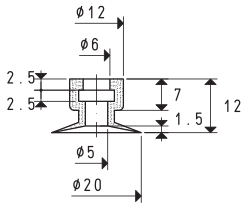


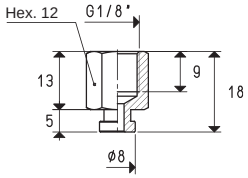


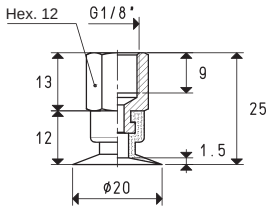


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 20 12 *	0.78	00 08 146	brass	9.8	08 20 12 *	10.7

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

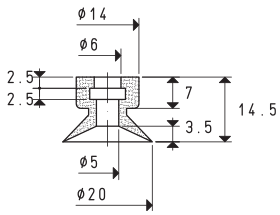


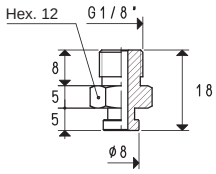


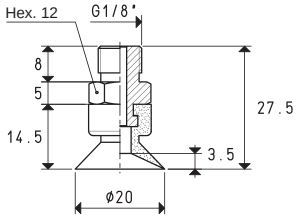


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 20 12 *	0.78	00 08 155	brass	9.1	08 20 12 F *	10.0

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

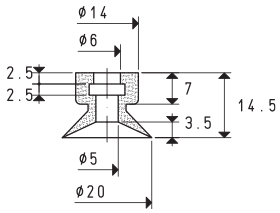


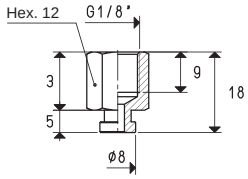


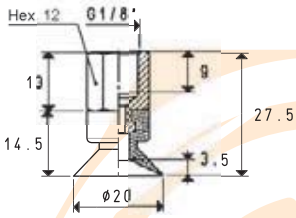


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 20 14 *	0.78	00 08 146	brass	9.8	08 20 14 *	11.3

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







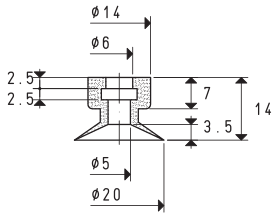
Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 20 14 *	0.78	00 08 155	brass	9.1	08 20 14 F *	10.6

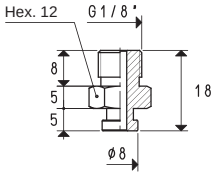
* Complete the code indicating the compound: A= oil-resistant rubber; N= natural para rubber; S= silicon

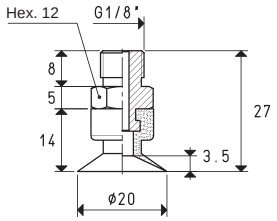
Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6}$ = $\frac{Kg}{0.4536}$

GAS - NPT thread adapters available at page 1.117

SPECIAL CUPS WITH SUPPORT

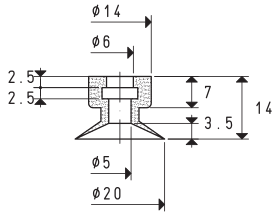


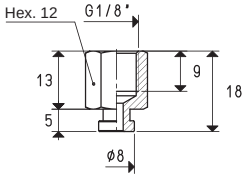


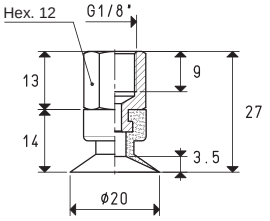


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 20 15 *	0.78	00 08 146	brass	9.8	08 20 15 *	11.0

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

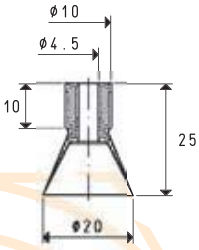


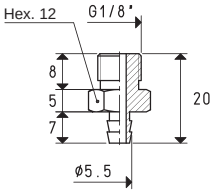


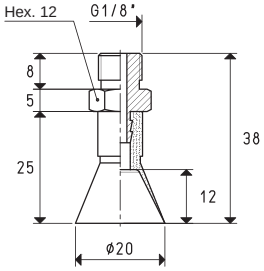


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 20 15 *	0.78	00 08 155	brass	9.1	08 20 15 F *	10.3

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





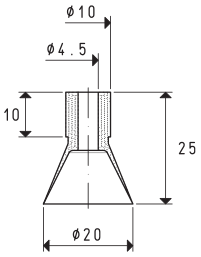


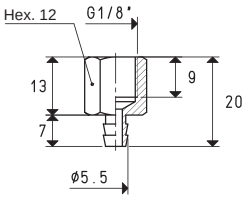
Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 20 24 *	0.78	00 08 03	brass	9.0	08 20 24 *	10.2

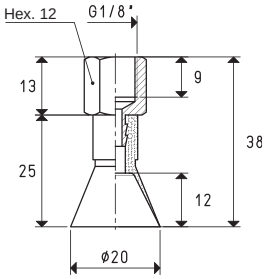
* Complete the code indicating the compound: A= oil-resistant rubber; N= natural para rubber; S= silicon

Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

GAS - NPT thread adapters available at page 1.117

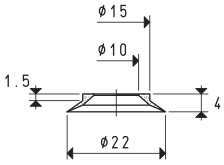


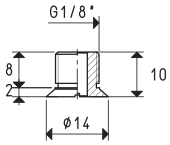


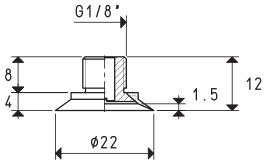


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 20 24 *	0.78	00 08 04	brass	8.1	08 20 24 F *	9.3

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

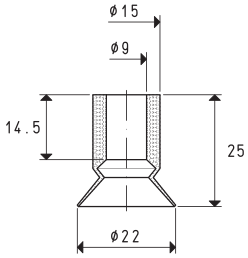


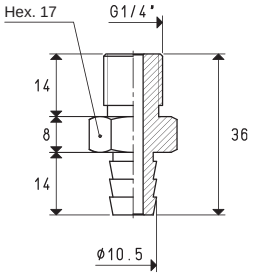


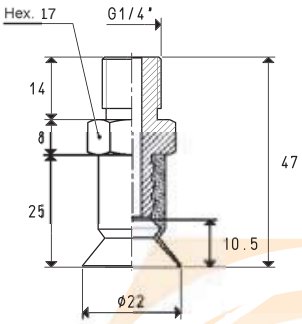


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 22 06 *	0.95	00 08 246	brass	5.0	08 22 06 *	5.3

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







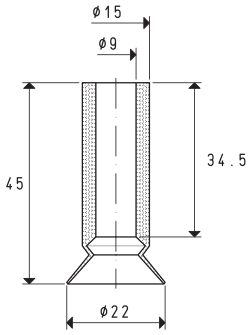
Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 22 24 *	0.95	00 08 10	brass	30.3	08 22 24 *	32.9

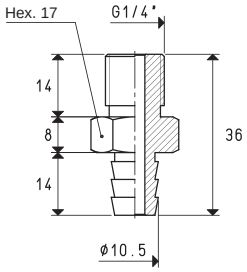
* Complete the code indicating the compound: A= oil-resistant rubber; N= natural para rubber; S= silicon

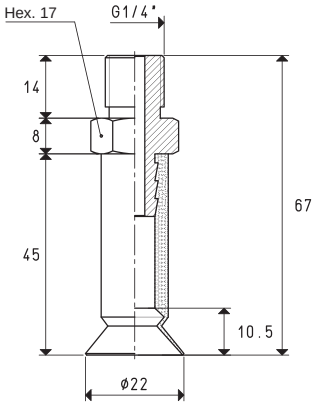
Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6}$ = $\frac{Kg}{0.4536}$

GAS - NPT thread adapters available at page 1.117

SPECIAL CUPS WITH SUPPORT

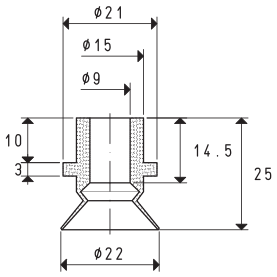


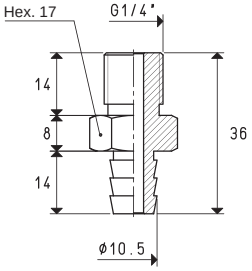


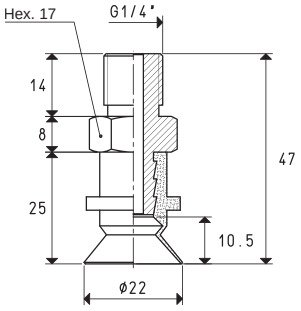


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 22 45 *	0.95	00 08 10	brass	30.3	08 22 45 *	35.4

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

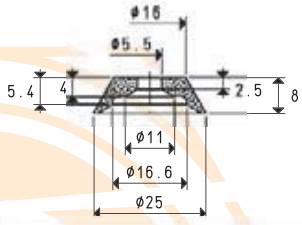


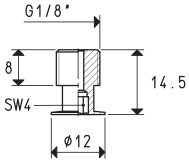


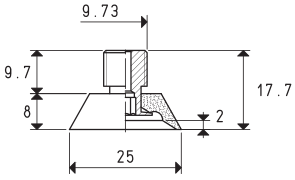


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 22 99 *	0.95	00 08 10	brass	30.3	08 22 29 *	33.1

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





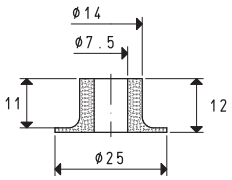


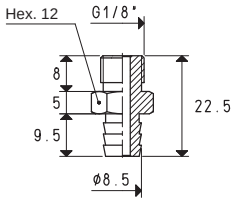
Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 25 08 *	1.23	00 08 60	brass	5.6	08 25 08 *	7.4

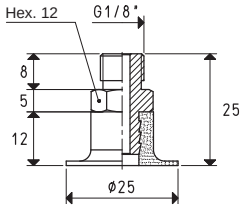
* Complete the code indicating the compound: A= oil-resistant rubber; N= natural para rubber; S= silicon

Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

GAS - NPT thread adapters available at page 1.117

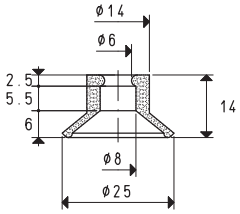


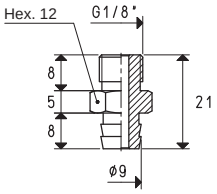


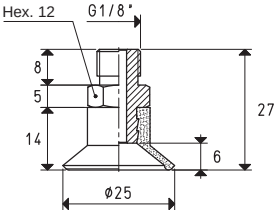


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 25 12 *	0.11	00 08 82	brass	11.2	08 25 12 *	12.7

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

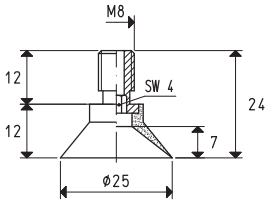






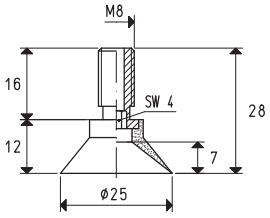
cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 25 14 *	1.23	00 08 101	brass	10.8	08 25 14 *	12.6

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



Cup with vulcanised support art.	Force Kg	Support material	Weight g
08 25 22 *	1.23	steel	5.0

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



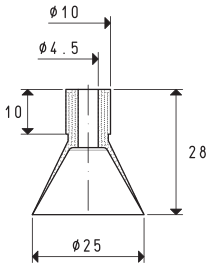
Cup with vulcanised support art.	Force Kg	Support material	Weight g
08 25 27 *	1.23	steel	5.2

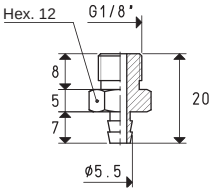
* Complete the code indicating the compound: A= oil-resistant rubber; N= natural para rubber; S= silicon

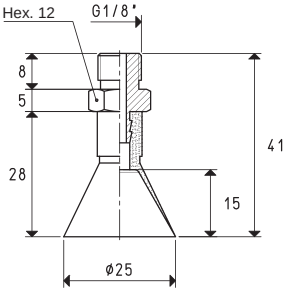
Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6}$ = $\frac{Kg}{0.4536}$

GAS - NPT thread adapters available at page 1.117

SPECIAL CUPS WITH SUPPORT

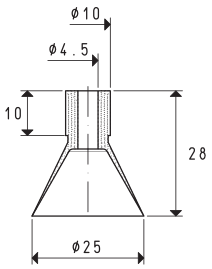


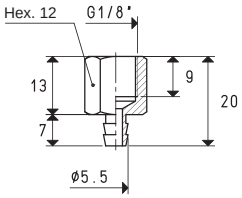


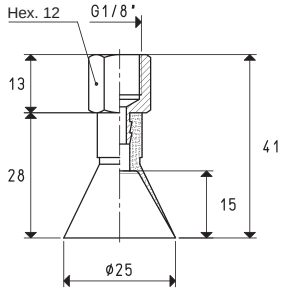


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 25 28 *	1.23	00 08 03	brass	9.0	08 25 28 *	10.7

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

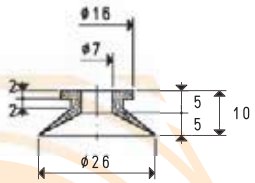


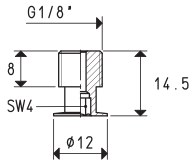


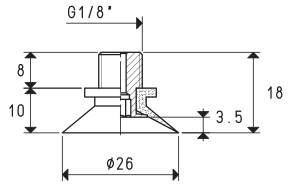


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 25 28 *	1.23	00 08 04	brass	8.1	08 25 28 F *	9.8

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





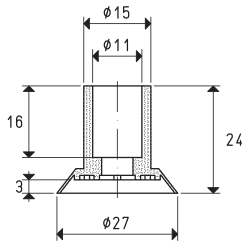


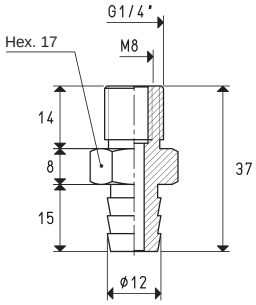
Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 26 10 *	1.33	00 08 60	brass	5.6	08 26 10 *	6.5

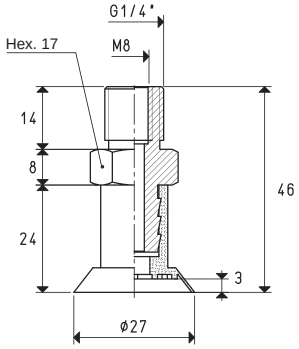
* Complete the code indicating the compound: A= oil-resistant rubber; N= natural para rubber; S= silicon

Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

GAS - NPT thread adapters available at page 1.117

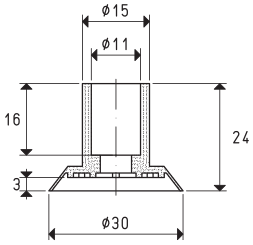


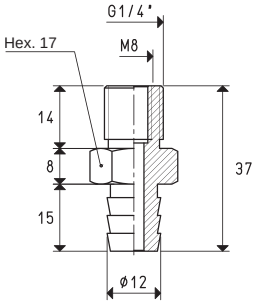


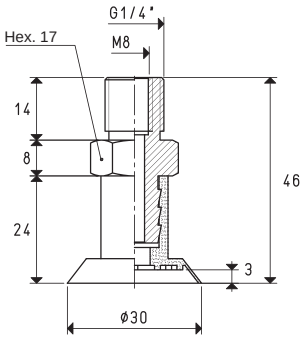


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 27 24 *	1.43	00 08 15	aluminium	12.3	08 27 24 *	15.1

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

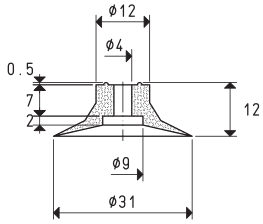


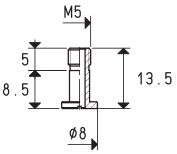


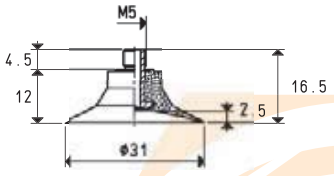


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 30 24 *	1.76	00 08 15	aluminium	12.3	08 30 24 *	15.2

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



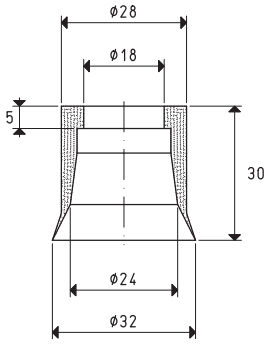


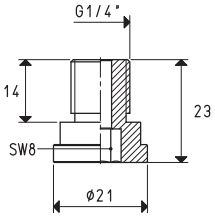


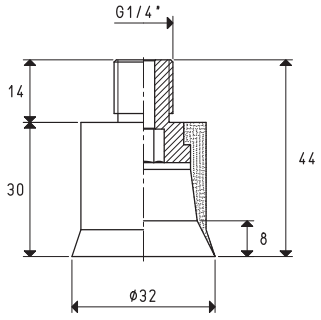
Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 31 12 *	1.89	00 08 249	brass	1.8	08 31 12 *	3.4

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

SPECIAL CUPS WITH SUPPORT

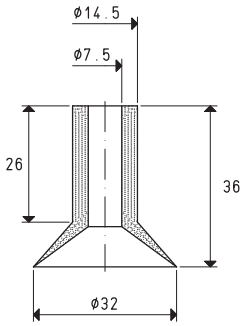


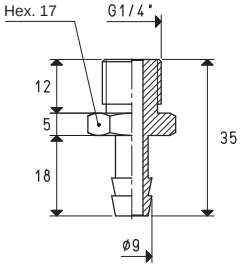


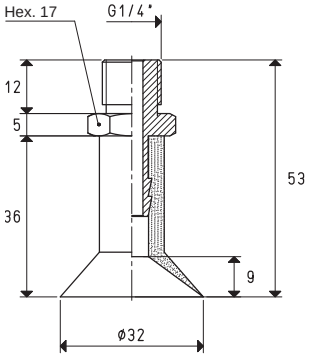


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 32 30 *	2.00	00 08 250	aluminium	8.6	08 32 30 *	14.5

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





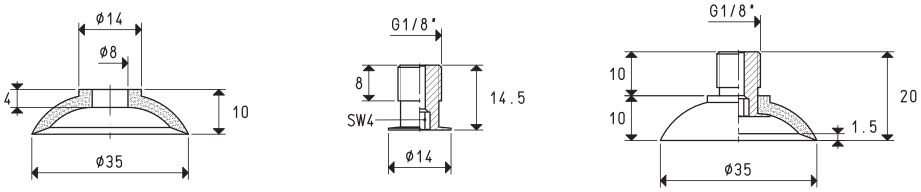


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 32 36 *	2.00	00 08 19	brass	22.7	08 32 36 *	27.8

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

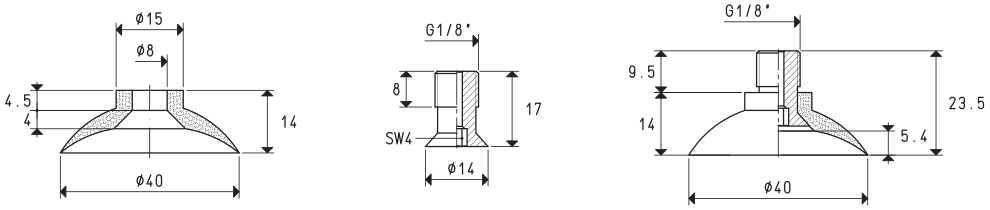
Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

GAS - NPT thread adapters available at page 1.117



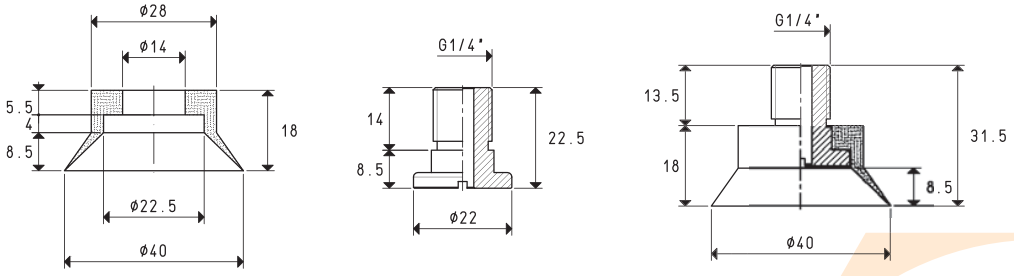
Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 35 12 *	2.40	00 08 244	brass	5.9	08 35 12 *	8.8

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



Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 40 14 *	3.14	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= silicon



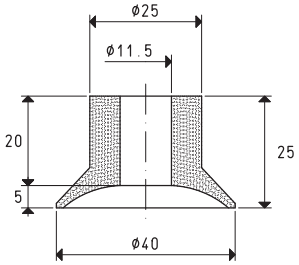
Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support. Art.	Weight g
01 40 18 *	3.14	00 08 81	aluminium	8.8	08 40 18 *	15.0

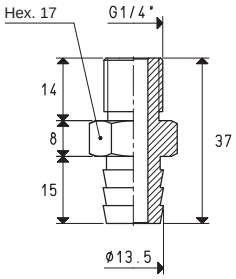
* Complete the code indicating the compound: A= oil-resistant rubber; N= natural para rubber; S= silicon

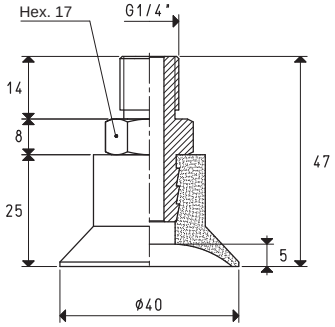
Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6}$ = $\frac{Kg}{0.4536}$

GAS - NPT thread adapters available at page 1.117

SPECIAL CUPS WITH SUPPORT

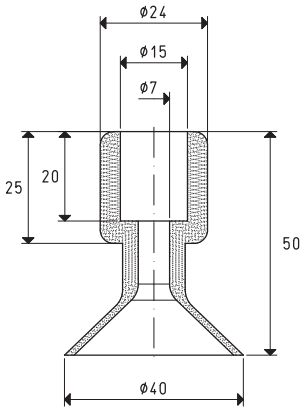


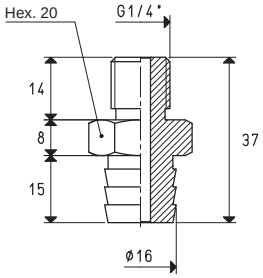


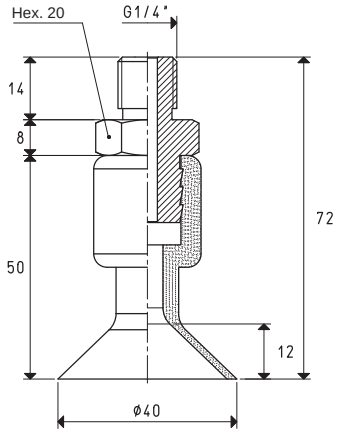


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 40 25 *	3.14	00 08 127	aluminium	15.2	08 40 24 *	24.7

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





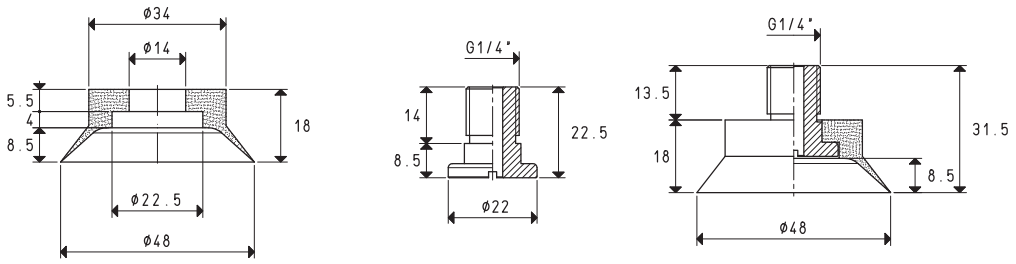


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 40 70 *	3.14	00 08 09	aluminium	18.1	08 40 70 *	32.0

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

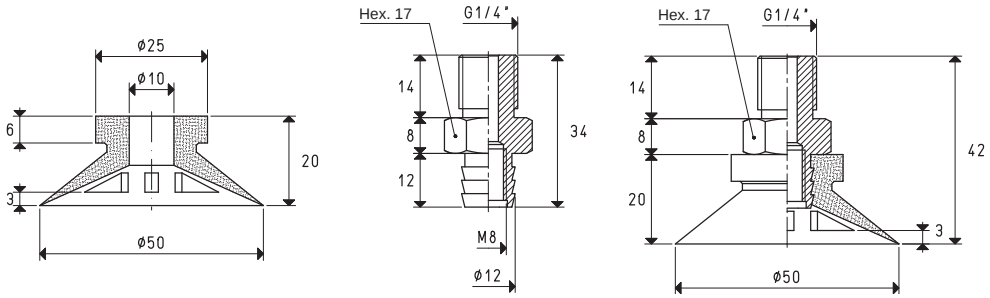
Conversion ratio: inch = $\frac{mm}{25.4}$, pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

GAS - NPT thread adapters available at page 1.117



Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 48 18 *	4.52	00 08 81	aluminium	8.8	08 48 18 *	17.5

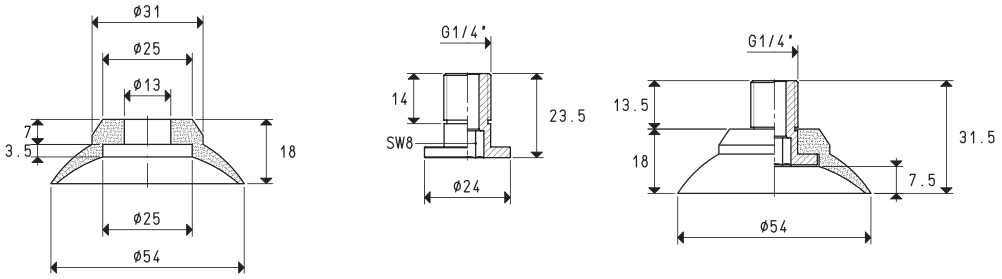
* Complete the code indicating the compound: A= oil-resistant rubber; N= natural para rubber; S= silicon



Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 50 20 *	4.90	00 08 24	aluminium	10.3	08 50 20 *	20.3

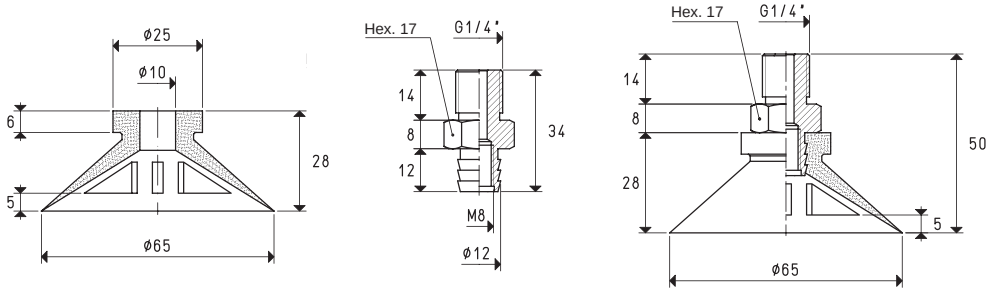
* Complete the code indicating the compound: A= oil-resistant rubber; N= natural para rubber; S= silicon

SPECIAL CUPS WITH SUPPORT



Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 54 18 *	5.72	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= silicon



Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 65 28 *	8.20	00 08 24	aluminium	10.3	08 65 28 *	26.0

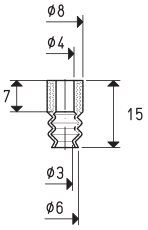
* Complete the code indicating the compound: A= oil-resistant rubber; N= natural para rubber; S= silicon

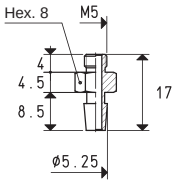
Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

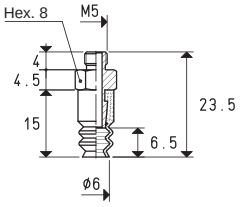
GAS - NPT thread adapters available at page 1.117

SPECIAL BELLOW CUPS WITH SUPPORT

The main feature of these BELLOW CUPS is that they crumple up when in contact with surface to be gripped and in presence of a vacuum, thus creating a quick lifting movement independently from the machine. This rapid movement prevents the load beneath from remaining stuck to the lifted one. Due to their high flexibility they can also be used to compensate flatness errors or for the grip of inclined surfaces.
The cups shown in these pages are the ideal solution for our customers; in fact, they have been designed for handling biscuits, chocolate, eggs, stickers, labels, metal and plastic objects, laminated plastic, paper and plastic bags, etc. Their nickel-plated brass or anodised aluminium supports are provided with a central male or female threaded pin that enables suction and allows to fasten them to the machine.
These cups can be manually assembled onto their supports with a simple pressure and with no adhesives.
They are available in the standard compounds and in the special ones listed at page 21 upon request.

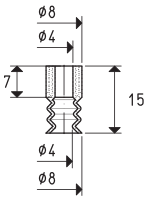


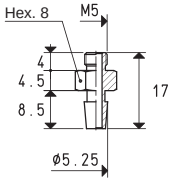


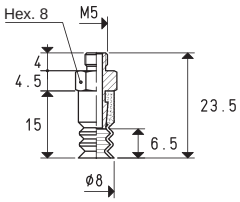


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 06 50 *	0.07	00 08 06	brass	2.6	08 06 50 *	3.0

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

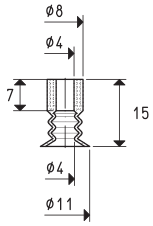


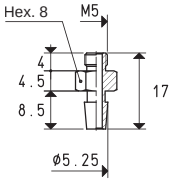


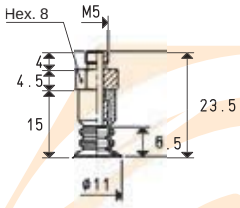


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 08 50 *	0.12	00 08 06	brass	2.6	08 08 50 *	3.1

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







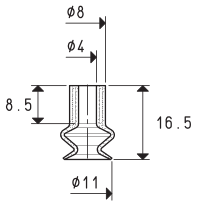
Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 11 50 *	0.23	00 08 06	brass	2.6	08 11 50 *	3.2

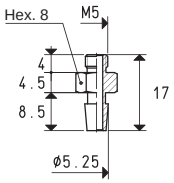
* Complete the code indicating the compound: A= oil-resistant rubber; N= natural para rubber; S= silicon

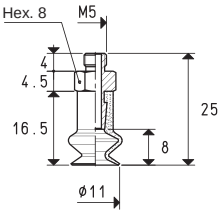
Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6}$ = $\frac{Kg}{0.4536}$

GAS - NPT thread adapters available at page 1.117

SPECIAL BELLOW CUPS WITH SUPPORTS

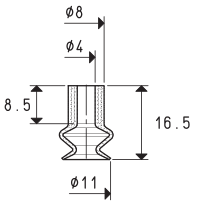


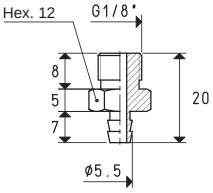


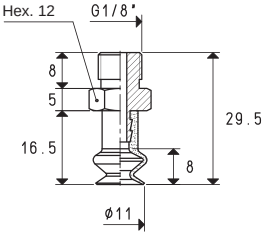


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 11 16 *	0.23	00 08 06	brass	2.6	08 11 16 *	3.3

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

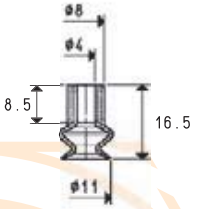


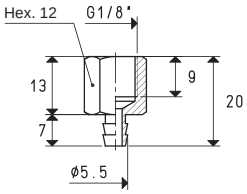


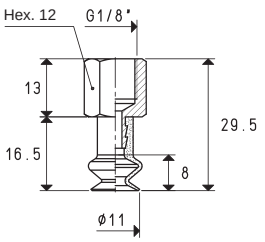


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 11 16 *	0.23	00 08 03	brass	9.0	08 11 17 *	9.7

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





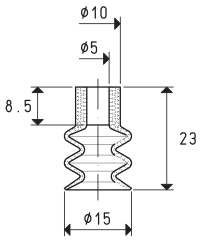


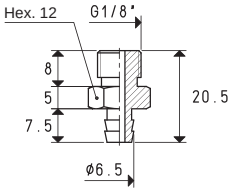
Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 11 16 *	0.23	00 08 04	brass	8.1	08 11 17 F *	8.8

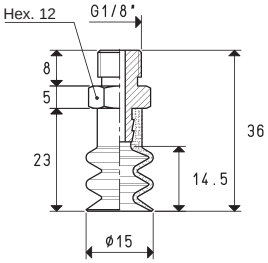
* Complete the code indicating the compound: A= oil-resistant rubber; N= natural para rubber; S= silicon

Conversion ratio: inch = $\frac{mm}{25.4}$, pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

GAS - NPT thread adapters available at page 1.117

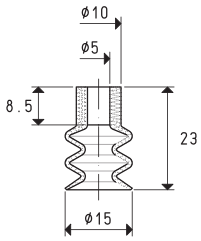


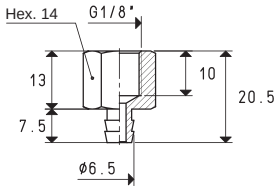


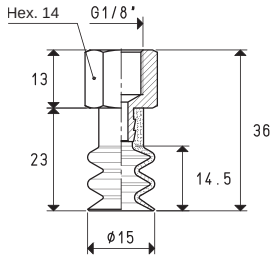


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 15 23 *	0.44	00 08 67	brass	11.4	08 15 23 *	12.7

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

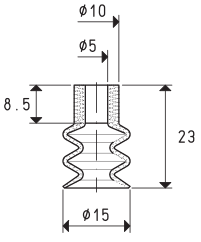


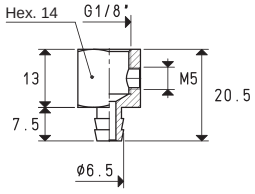


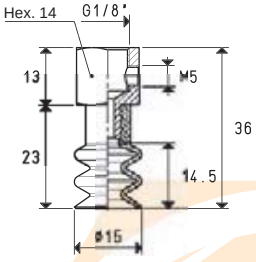


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 15 23 *	0.44	00 08 64	brass	13.9	08 15 23 F *	15.2

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



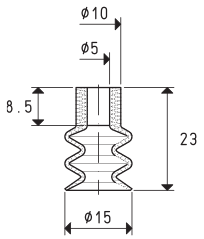


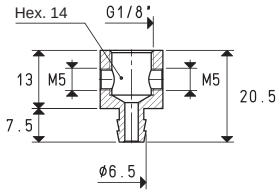


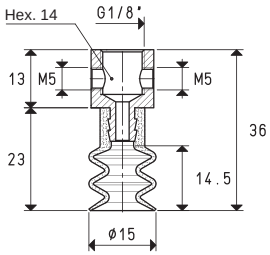
Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 15 23 *	0.44	00 08 65	brass	13.7	08 15 24 F *	15.0

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

SPECIAL BELLOW CUPS WITH SUPPORT

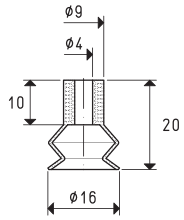


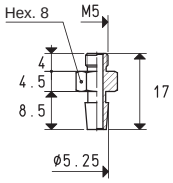


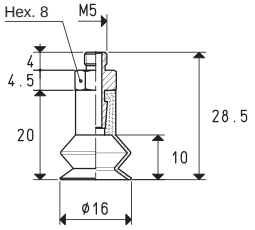


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 15 23 *	0.44	00 08 66	brass	13.5	08 15 26 F *	14.8

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

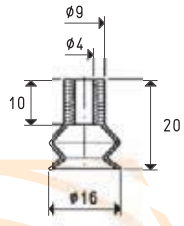


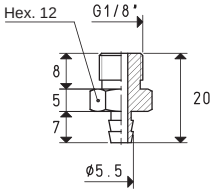


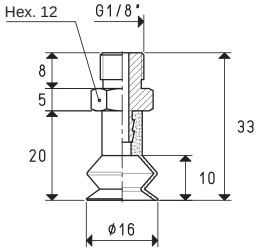


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 16 20 *	0.50	00 08 06	brass	2.6	08 16 20 *	3.6

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





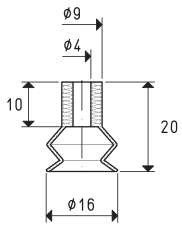


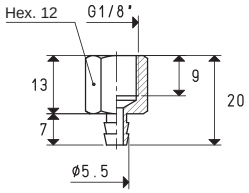
Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 16 20 *	0.50	00 08 03	brass	9.0	08 16 21 *	10.0

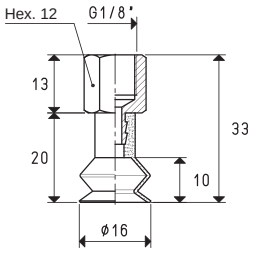
* Complete the code indicating the compound: A= oil-resistant rubber; N= natural para rubber; S= silicon

Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

GAS - NPT thread adapters available at page 1.117

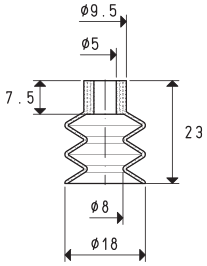


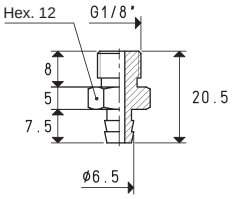


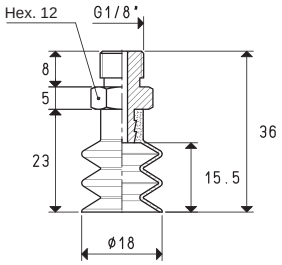


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 16 20 *	0.50	00 08 04	brass	8.1	08 16 21 F *	9.1

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

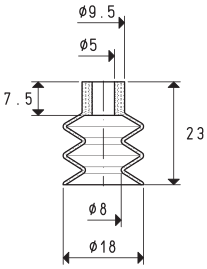


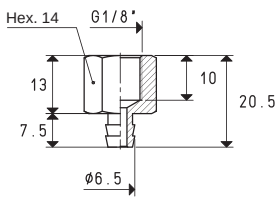


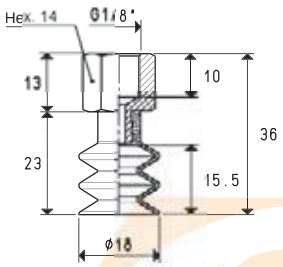


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 18 23 *	0.63	00 08 67	brass	11.4	08 18 23 *	12.9

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



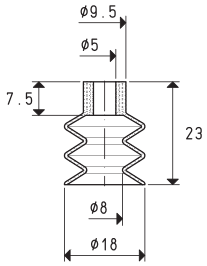


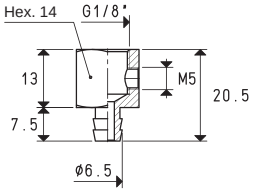


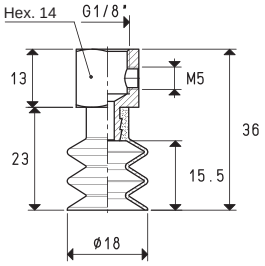
Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 18 23 *	0.63	00 08 64	brass	13.9	08 18 23 F *	15.4

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

SPECIAL BELLOW CUPS WITH SUPPORT

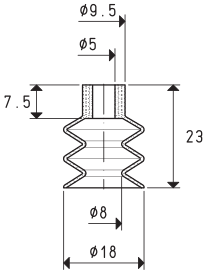


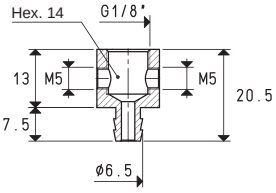


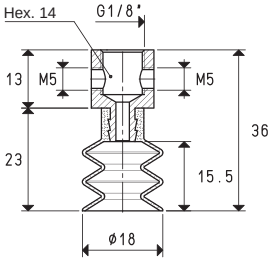


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 18 23 *	0.63	00 08 65	brass	13.7	08 18 24 F *	15.2

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

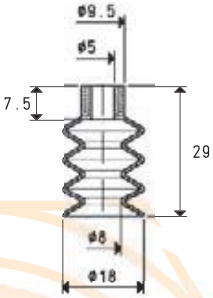


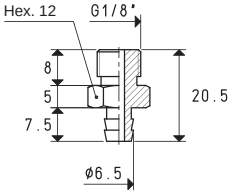


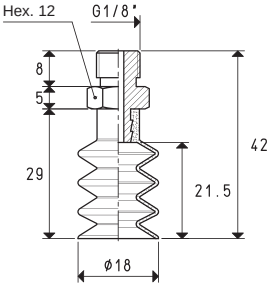


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 18 23 *	0.63	00 08 66	brass	13.5	08 18 26 F *	15.0

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





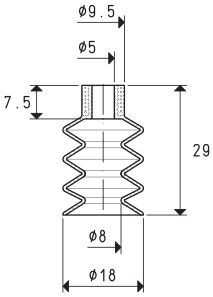


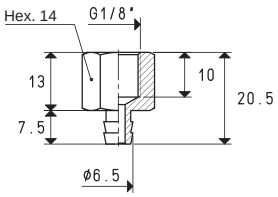
Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 18 29 *	0.63	00 08 67	brass	11.4	08 18 29 *	13.2

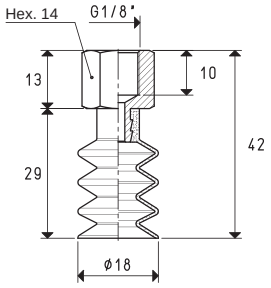
* Complete the code indicating the compound: A= oil-resistant rubber; N= natural para rubber; S= silicon

Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

GAS - NPT thread adapters available at page 1.117

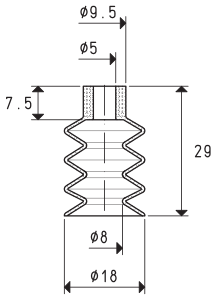


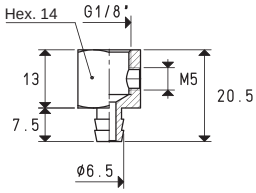


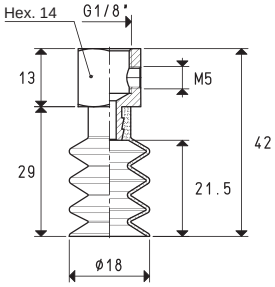


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 18 29 *	0.63	00 08 64	brass	13.9	08 18 29 F *	15.7

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

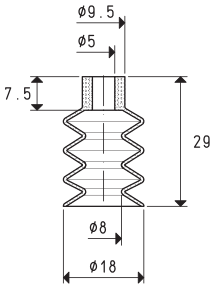


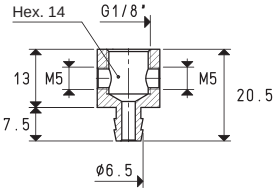


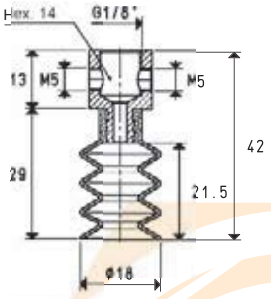


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 18 29 *	0.63	00 08 65	brass	13.7	08 18 30 F *	15.5

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



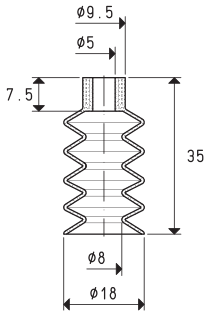


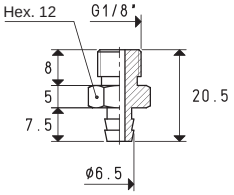


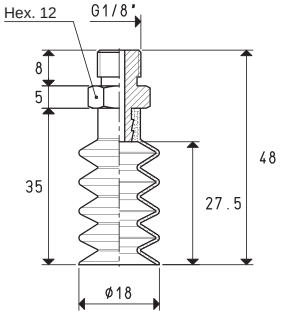
Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 18 29 *	0.63	00 08 66	brass	13.5	08 18 31 F *	15.3

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

SPECIAL BELLOW CUPS WITH SUPPORT

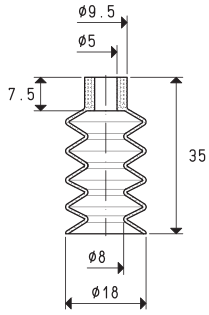


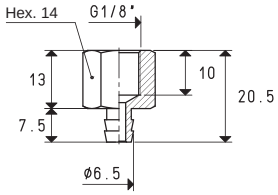


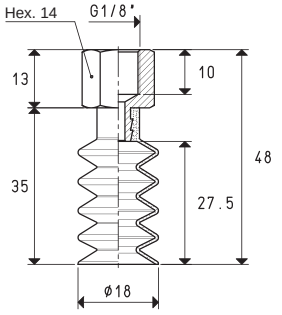


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 18 35 *	0.63	00 08 67	brass	11.4	08 18 35 *	13.7

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

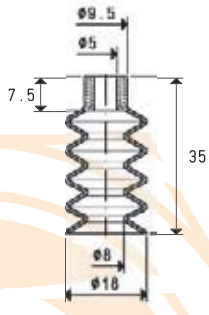


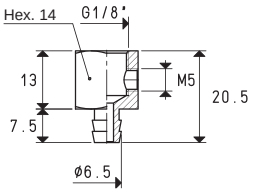


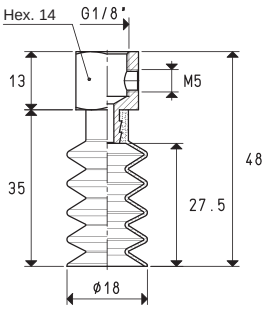


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 18 35 *	0.63	00 08 64	brass	13.9	08 18 35 F *	16.2

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





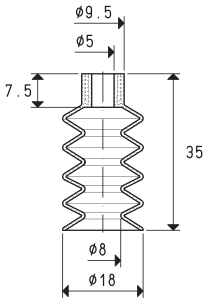


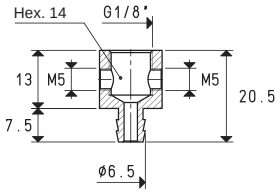
Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 18 35 *	0.63	00 08 65	brass	13.7	08 18 36 F *	16.0

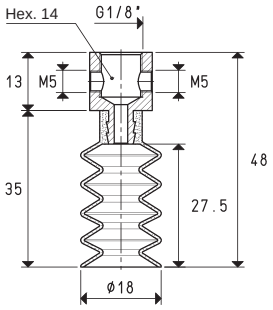
* Complete the code indicating the compound: A= oil-resistant rubber; N= natural para rubber; S= silicon

Conversion ratio: inch = $\frac{mm}{25.4}$, pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

GAS - NPT thread adapters available at page 1.117

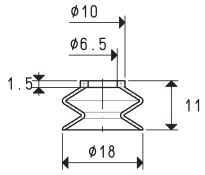


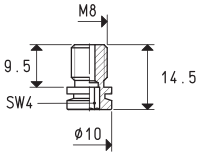


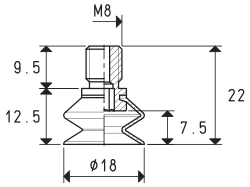


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 18 35 *	0.63	00 08 66	brass	13.5	08 18 37 F *	15.8

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

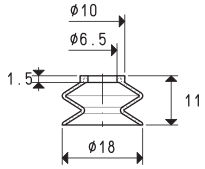


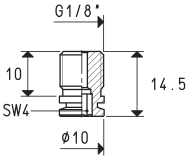


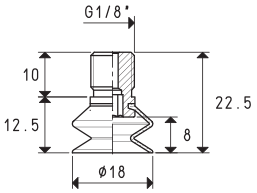


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 18 50 *	0.63	00 08 07	brass	4.8	08 18 50 *	5.5

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

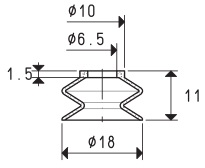


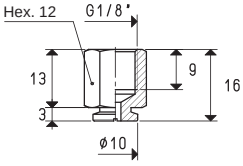


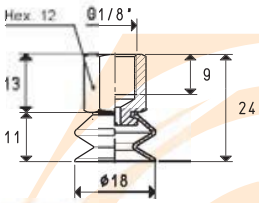


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 18 50 *	0.63	00 08 61	brass	6.5	08 18 51 *	7.2

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







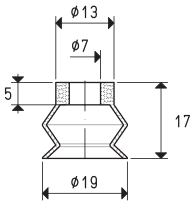
Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 18 50 *	0.63	00 08 62	brass	9.4	08 18 52 *	10.1

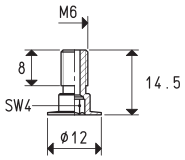
* Complete the code indicating the compound: A= oil-resistant rubber; N= natural para rubber; S= silicon

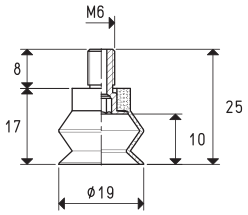
Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6}$ = $\frac{Kg}{0.4536}$

GAS - NPT thread adapters available at page 1.117

SPECIAL BELLOW CUPS WITH SUPPORT

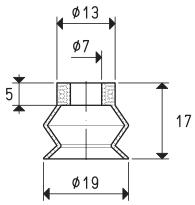


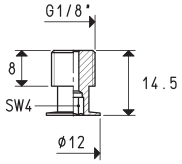


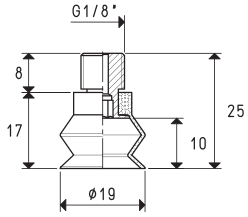


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 19 17 *	0.70	00 08 08	brass	2.7	08 19 17 *	4.0

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

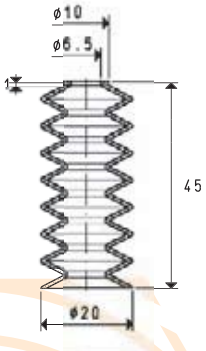


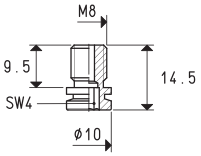


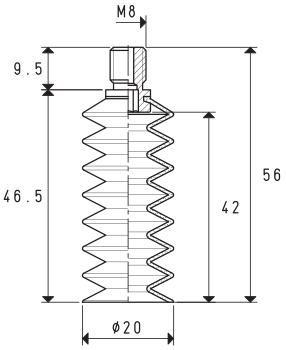


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 19 17 *	0.70	00 08 60	brass	5.6	08 19 18*	6.9

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





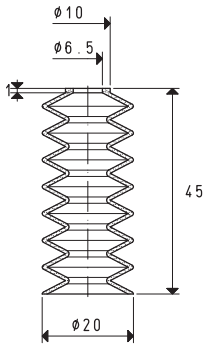


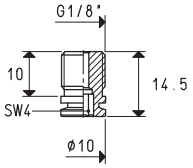
Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 20 60 *	0.78	00 08 07	brass	4.8	08 20 60 *	9.0

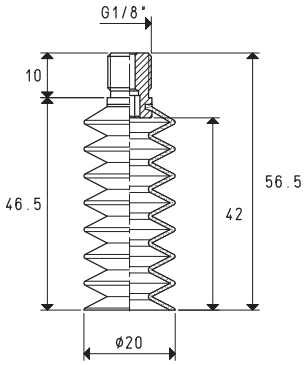
* Complete the code indicating the compound: A= oil-resistant rubber; N= natural para rubber; S= silicon

Conversion ratio: inch = $\frac{mm}{25.4}$, pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

GAS - NPT thread adapters available at page 1.117

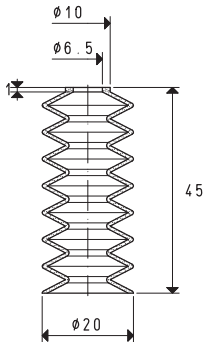


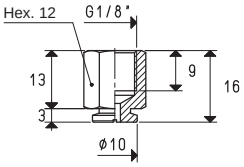


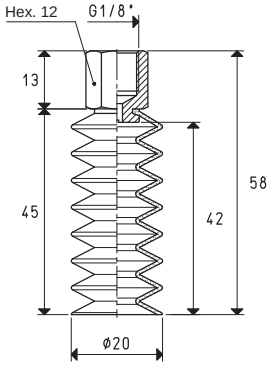


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 20 60 *	0.78	00 08 61	brass	6.5	08 20 61 *	10.7

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



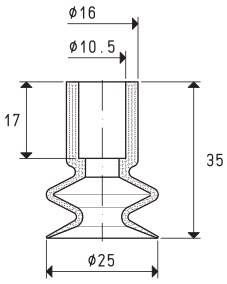


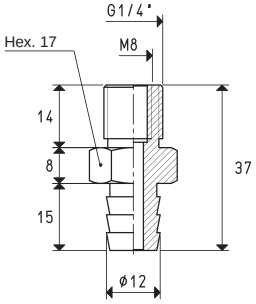


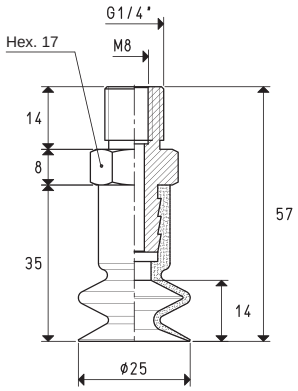
Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 20 60 *	0.78	00 08 62	brass	4.4	08 20 62 *	8.6

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

SPECIAL BELLOW CUPS WITH SUPPORT

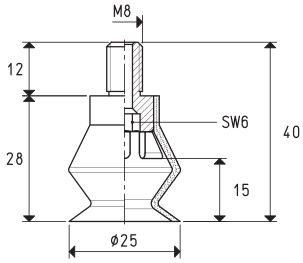






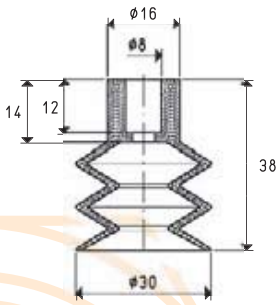
Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 25 35 *	1.23	00 08 15	aluminium	12.3	08 25 35 *	17.3

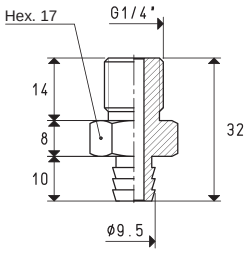
* Complete the code indicating the compound: A= oil-resistant rubber; N= natural para rubber; S= silicon

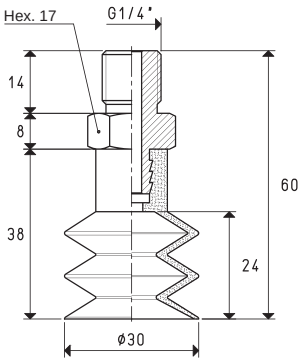


Cup with vulcanised support art.	Force Kg	Support material	Weight g
08 25 40 *	1.23	steel	13.0

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





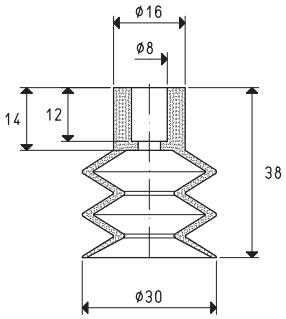


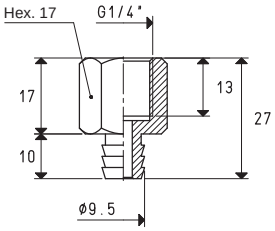
Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 30 50 *	1.76	00 08 18	aluminium	10.3	08 30 50 *	17.9

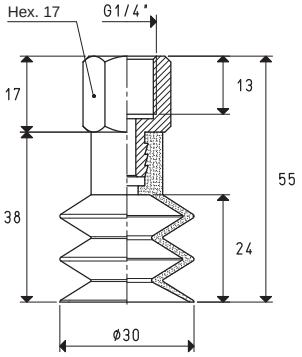
* Complete the code indicating the compound: A= oil-resistant rubber; N= natural para rubber; S= silicon

Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

GAS - NPT thread adapters available at page 1.117

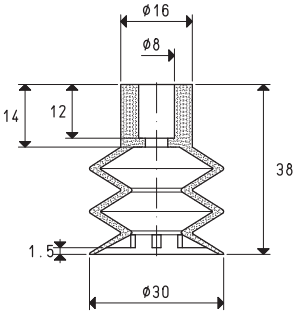


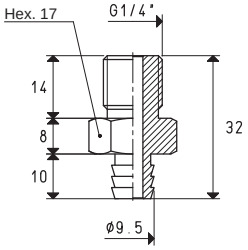


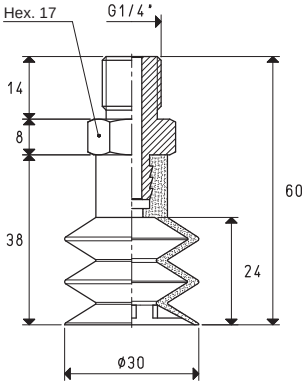


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 30 50 *	1.76	00 08 50	aluminium	8.5	08 30 50 F *	16.1

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



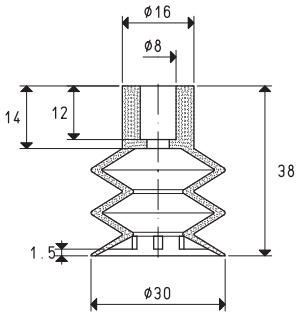


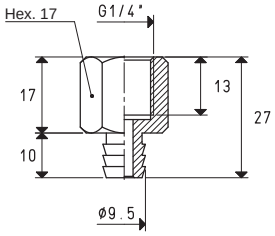


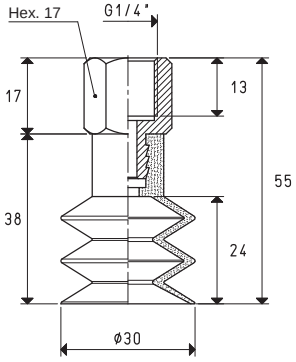
Cup Art.	Force Kg	Support Art	Support material	Weight g	Cup with support Art	Weight g
01 30 99 *	1.76	00 08 18	aluminium	10.3	08 30 99 *	18.5

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

SPECIAL BELLOW CUPS WITH SUPPORT

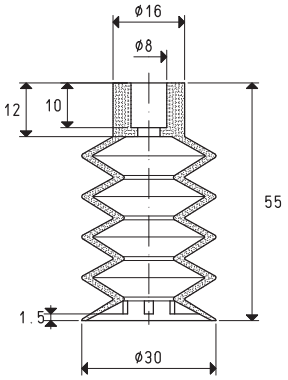


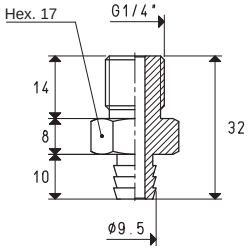


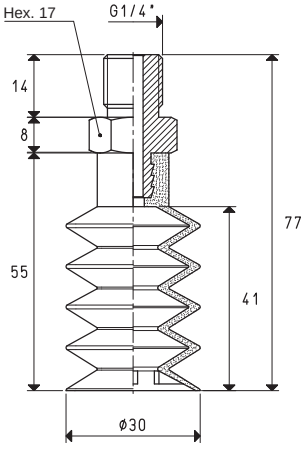


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 30 99 *	1.76	00 08 50	aluminium	8.5	08 30 99 F *	16.7

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





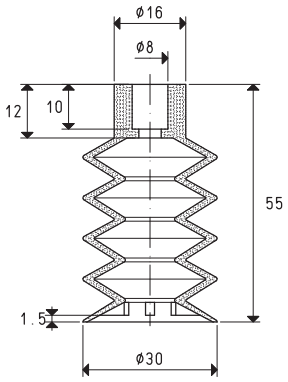


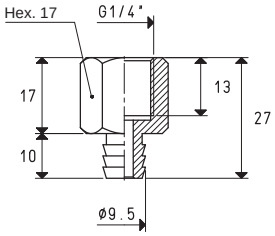
Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 30 55 *	1.76	00 08 18	aluminium	10.3	08 30 55 *	23.1

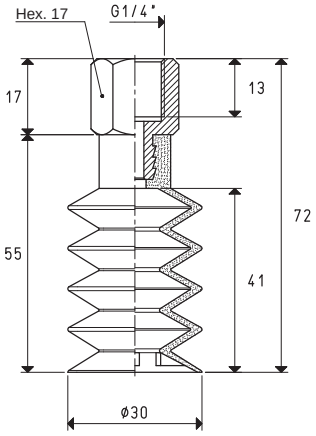
* Complete the code indicating the compound: A= oil-resistant rubber; N= natural para rubber; S= silicon

Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

GAS - NPT thread adapters available at page 1.117

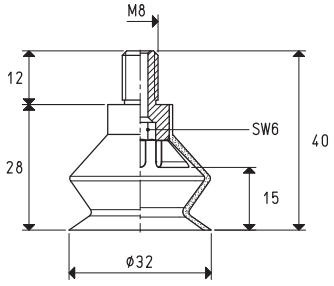






Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 30 55 *	1.76	00 08 50	aluminium	8.5	08 30 55 F *	21.3

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



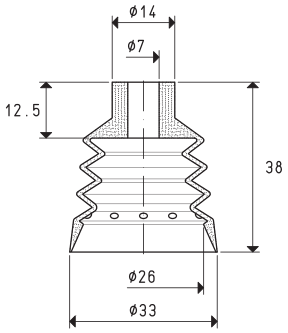
Cup with vulcanised support art.	Force Kg	Support material	Weight g
08 32 40 *	2.00	steel	14.0

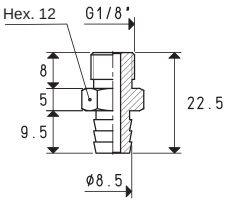
* Complete the code indicating the compound: A= oil-resistant rubber; N= natural para rubber; S= silicon

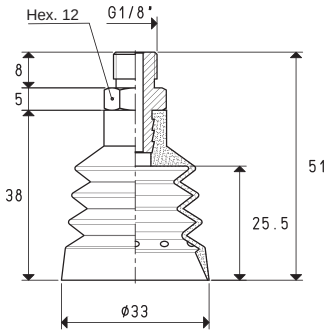
Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6}$ = $\frac{Kg}{0.4536}$

GAS - NPT thread adapters available at page 1.117

SPECIAL BELLOW CUPS WITH SUPPORT

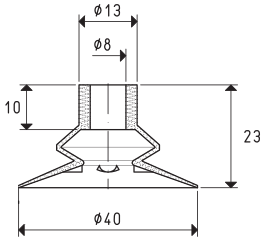


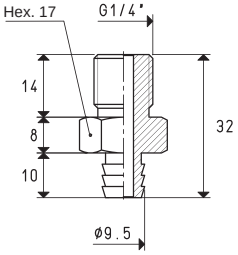


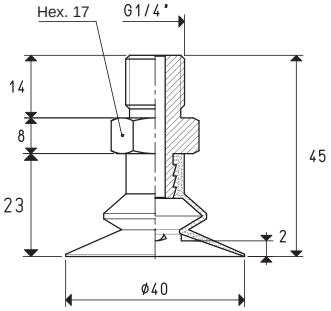


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 33 50 *	2.13	00 08 82	brass	11.2	08 33 50 *	18.8

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

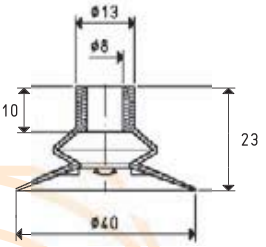


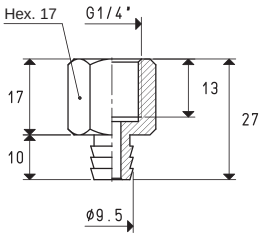


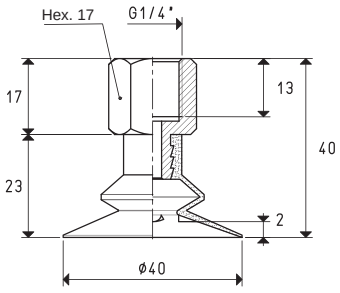


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 40 50 *	2.40	00 08 18	aluminium	10.3	08 40 50 *	14.9

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





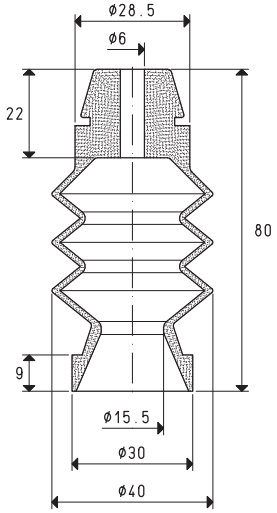


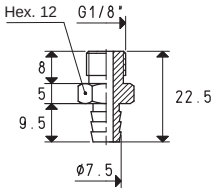
Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 40 50 *	2.40	00 08 50	aluminium	8.5	08 40 50 F *	13.1

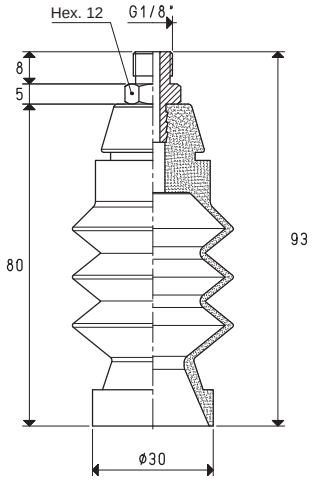
* Complete the code indicating the compound: A= oil-resistant rubber; N= natural para rubber; S= silicon

Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

GAS - NPT thread adapters available at page 1.117

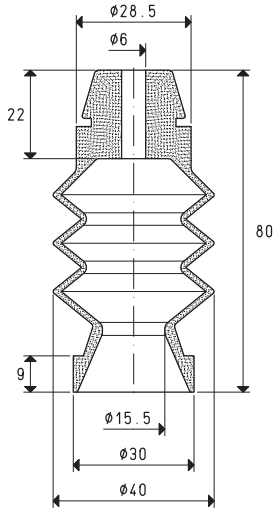


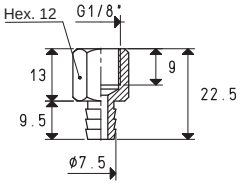


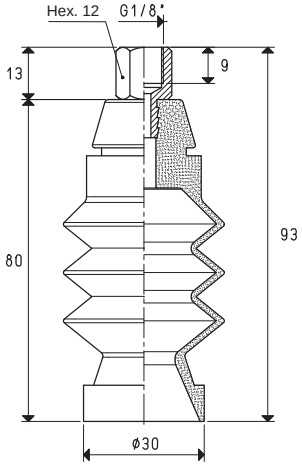


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 40 80 *	1.76	00 08 05	brass	10.0	08 40 80 *	38.7

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



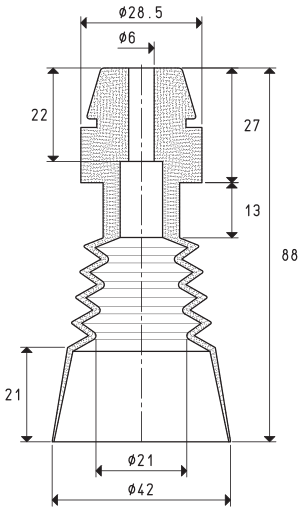


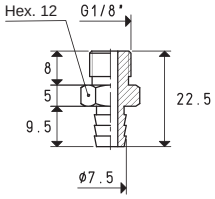


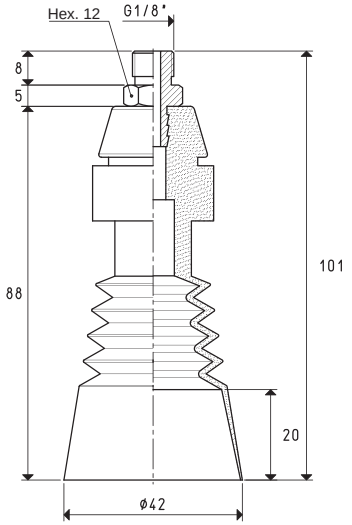
Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 40 80 *	1.76	00 08 14	brass	9.8	08 40 80 F *	38.5

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

SPECIAL BELLOW CUPS WITH SUPPORT

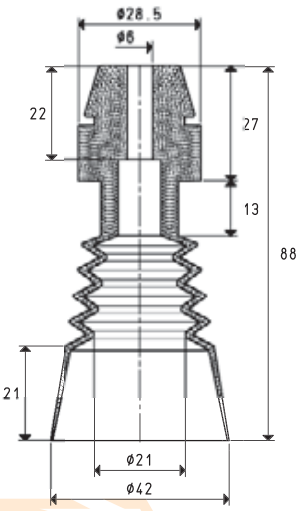


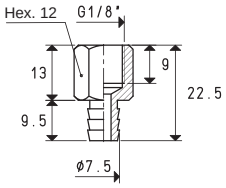


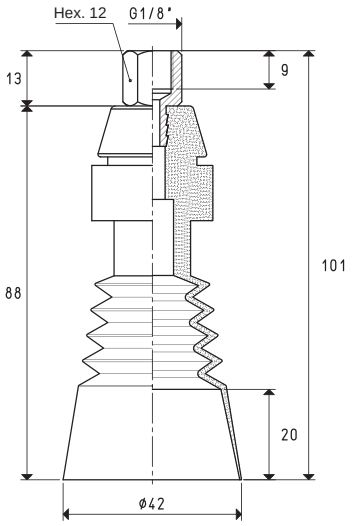


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 42 90 *	3.00	00 08 05	brass	10.0	08 42 90 *	34.5

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





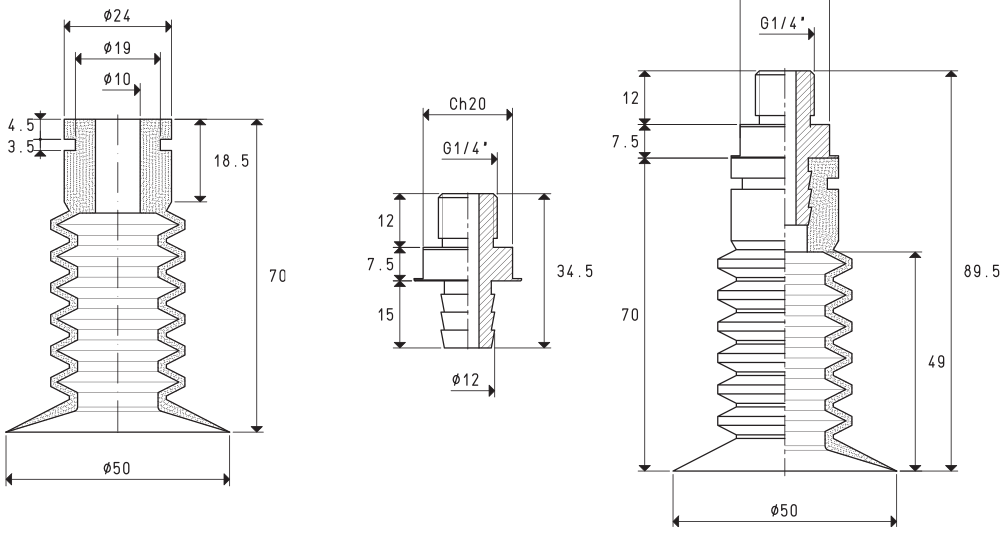


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 42 90 *	3.00	00 08 14	brass	9.8	08 42 90 F *	34.3

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

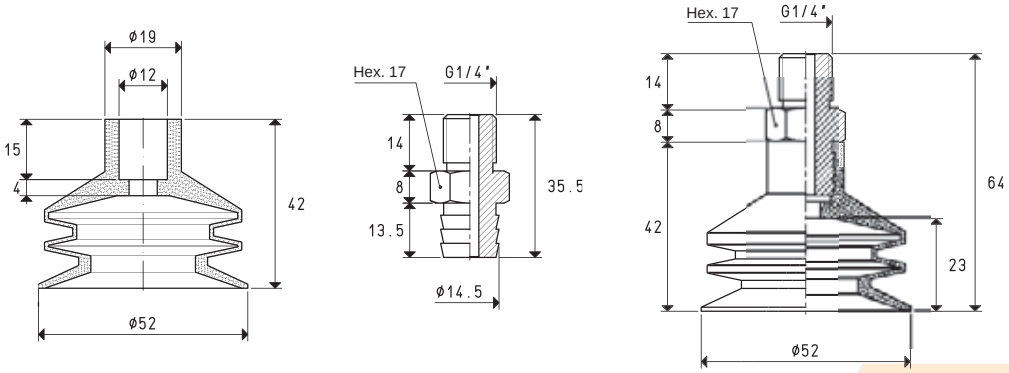
Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

GAS - NPT thread adapters available at page 1.117



Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 50 70 *	4.90	00 08 148	aluminium	14.5	08 50 70 *	36.8

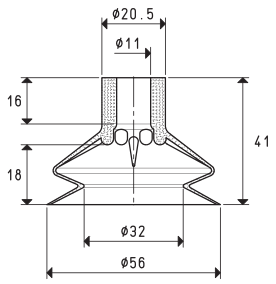
* Complete the code indicating the compound: A= oil-resistant rubber; N= natural para rubber; S= silicon

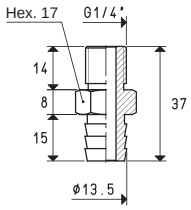


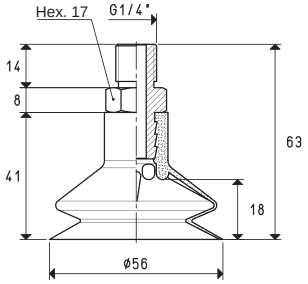
Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 52 50 *	5.30	00 08 26	aluminium	13.5	08 52 50 *	38.2

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

SPECIAL BELLOW CUPS WITH SUPPORT

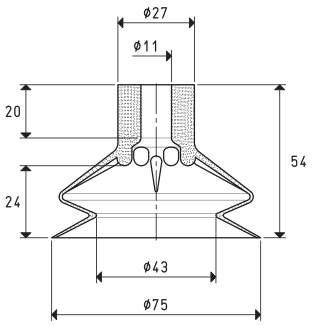


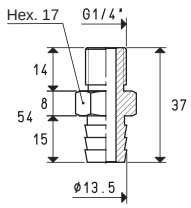


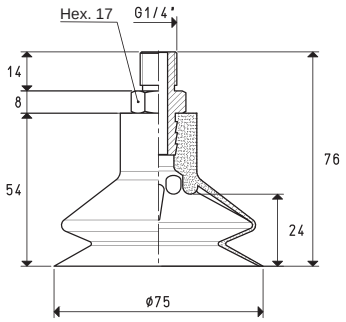


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 56 30 *	6.15	00 08 127	aluminium	11.5	08 56 30 *	28.5

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

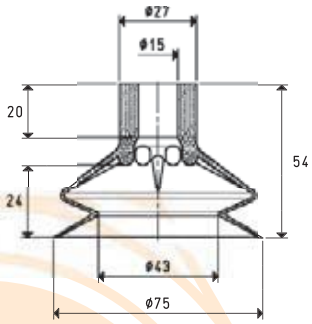


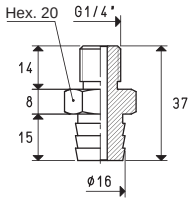


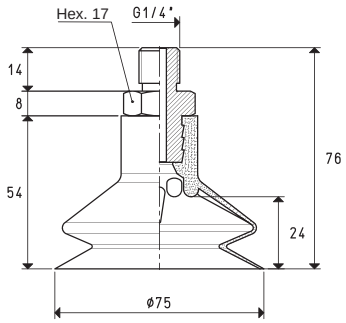


Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 75 30 *	11.04	00 08 127	aluminium	11.5	08 75 30 *	48.1

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







Cup Art.	Force Kg	Support Art.	Support material	Weight g	Cup with support Art.	Weight g
01 75 31 *	11.04	00 08 09	aluminium	18.1	08 75 31 *	54.7

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

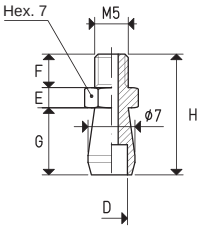
Convertion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

GAS-NPT thread adapters available at page 1.117

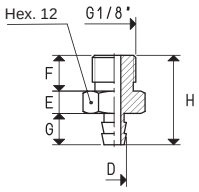
VACUUM CUP SUPPORTS

In the following pages are listed the cups for which each support is suited. They are specially shaped to perfectly adhere to the internal profile of the cups and they are provided with a male or female axial pin in order to allow suction, as well as to fasten them to the machine. These cups can be manually assembled onto them with a simple pressure, with no adhesives. They are made with nickel-plated brass or anodised aluminium or with special materials upon request.

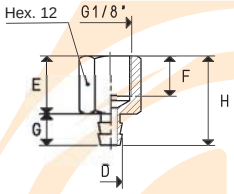
Art.	D Ø	E	F	G	H	Support material	Cup art.	Weight g
00 08 01	2.90	3	5	10	18	brass	01 04 10 01 05 10 01 06 10	4.0
00 08 02	4.75	3	5	10	18	brass	01 08 10 01 09 07	4.0



Art.	D Ø	E	F	G	H	Support material	Cup art.	Weight g
00 08 03	5.5	5	8	7	20	brass	01 10 10 01 11 16 01 12 10 01 14 10 01 14 32 01 15 10 01 16 20 01 17 12 01 18 10 01 20 10 01 20 24 01 22 10 01 25 28	9.0

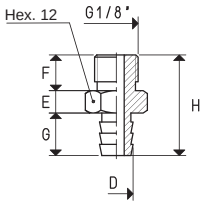


Art.	D Ø	E	F	G	H	Support material	Cup art.	Weight g
00 08 04	5.5	13	9	7	20	brass	01 10 10 01 11 16 01 12 10 01 14 10 01 14 32 01 15 10 01 16 20 01 17 12 01 18 10 01 20 10 01 20 24 01 22 10 01 25 28	8.1

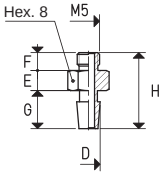


Convertion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

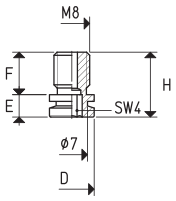
GAS-NPT thread adapters available at page 1.117



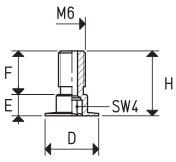
Art.	D Ø	E	F	G	H	Support material	Cup art.	Weight g
00 08 05	7.5	5	8	9.5	22.5	brass	01 15 15 01 25 15 01 30 15 01 40 80 01 42 90	10.0



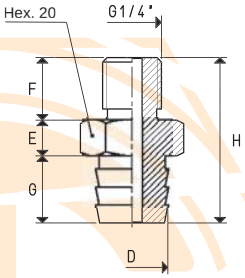
Art.	D Ø	E	F	G	H	Support material	Cup art.	Weight g
00 08 06	5.25	4.5	4	8.5	17	brass	01 06 50 01 08 50 01 11 50 01 11 16 01 16 20 01 17 12	2.6



Art.	D Ø	E	F	H	Support material	Cup art.	Weight g
00 08 07	10	5	9.5	14.5	brass	01 18 50 01 20 60	4.8



Art.	D Ø	E	F	H	Support material	Cup art.	Weight g
00 08 08	12	4.5	10	14.5	brass	01 19 17 01 25 10 01 30 10 01 35 10	2.7

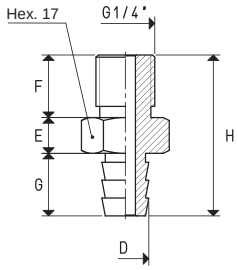


Art.	D Ø	E	F	G	H	Support material	Cup art.	Weight g
00 08 09	16	8	14	15	37	aluminium	01 19 31 01 40 70 01 75 31	18.1

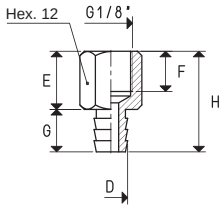
Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

GAS - NPT thread adapters available at page 1.117

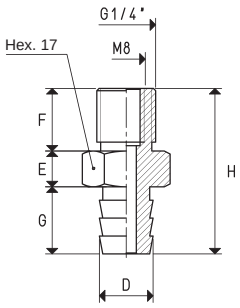
Art.	D Ø	E	F	G	H	Support material	Cup art.	Weight g
00 08 10	10.5	8	14	14	36	brass	01 22 24 01 22 45 01 22 99	30.3



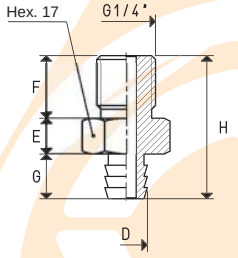
Art.	D Ø	E	F	G	H	Support material	Cup art.	Weight g
00 08 14	7.5	13	9	9.5	22.5	brass	01 25 15 01 30 15 01 40 80 01 42 90	9.8



Art.	D Ø	E	F	G	H	Support material	Cup art.	Weight g
00 08 15	12	8	14	15	37	aluminium	01 25 35 01 27 24 01 30 24	12.3

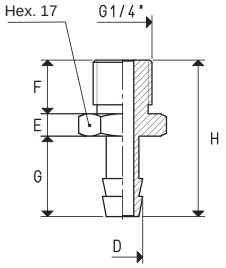


Art.	D Ø	E	F	G	H	Support material	Cup art.	Weight g
00 08 18	9.5	8	14	10	32	aluminium	01 16 26 01 30 50 01 30 55 01 30 99 01 40 50	10.3

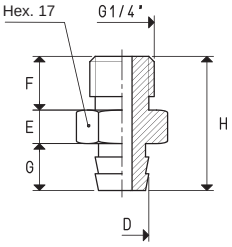


Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6}$ = $\frac{Kg}{0.4536}$

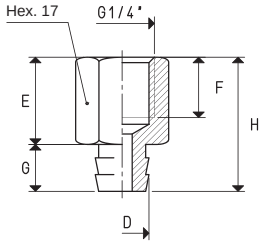
GAS - NPT thread adapters available at page 1.117



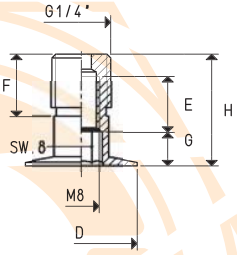
Art.	D Ø	E	F	G	H	Support material	Cup art.	Weight g
00 08 19	9	5	12	18	35	brass	01 32 36	22.7



Art.	D Ø	E	F	G	H	Support material	Cup art.	Weight g
00 08 20	12	8	14	10	32	aluminium	01 35 15 01 40 15 01 45 15	11.0



Art.	D Ø	E	F	G	H	Support material	Cup art.	Weight g
00 08 21	12	17	13	10	27	aluminium	01 35 15 01 40 15 01 45 15	9.3

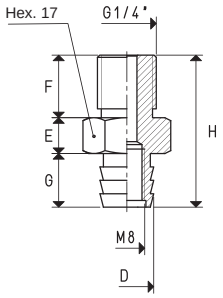


Art.	D Ø	E	F	G	H	Support material	Cup art.	Weight g
00 08 22	25	10	14	7.5	25	aluminium	01 45 10 01 60 10	5.9

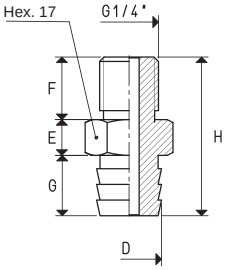
Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

GAS - NPT thread adapters available at page 1.117

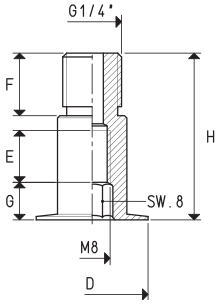
Art.	D Ø	E	F	G	H	Support material	Cup art.	Weight g
00 08 24	12	8	14	12	34	aluminium	01 50 20 01 65 28	10.3



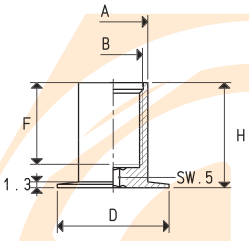
Art.	D Ø	E	F	G	H	Support material	Cup art.	Weight g
00 08 26	14.5	8	14	13.5	35.5	aluminium	01 52 50	13.5

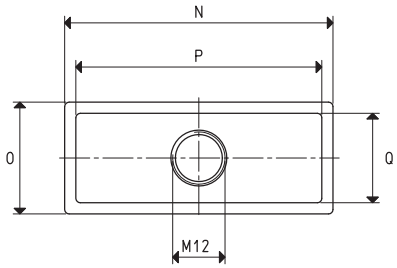


Art.	D Ø	E	F	G	H	Support material	Cup art.	Weight g
00 08 28	25	12	14	8	37.3	aluminium	01 85 10	13.4

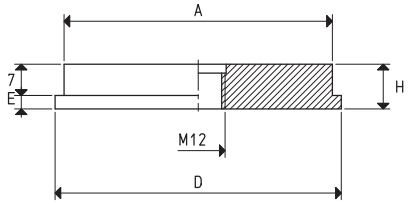


Art.	A Ø	B	D	F	H	Support material	Cup art.	Weight g
00 08 29	15.5	M12	25	18	23.5	aluminium	01 85 10	6.6

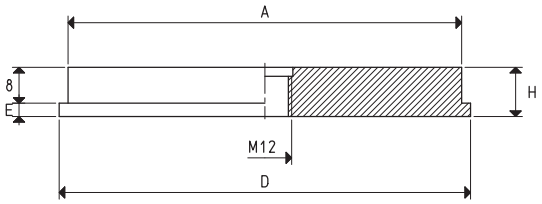




Art.	N	O	P	Q	Support material	Cup art.	Weight g
00 08 31	60	25	55	20	aluminium	01 40 75	34.1

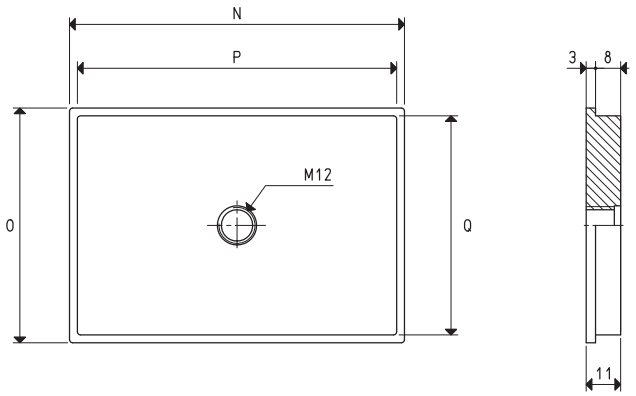


Art.	A Ø	D Ø	E	H	Support material	Cup art.	Weight g
00 08 32	60	64	3	10	aluminium	01 64 15 01 65 15 01 85 15	80.6

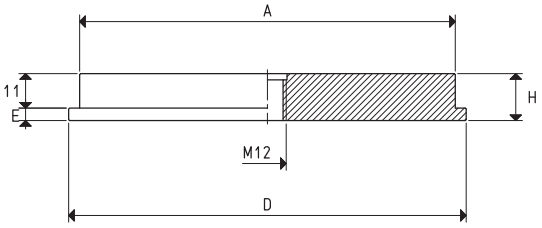


Art.	A Ø	D Ø	E	H	Support material	Cup art.	Weight g
00 08 33	88	92	3	11	aluminium	01 92 15 01 110 10	188.9

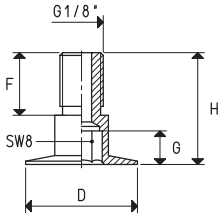
Convertion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$



Art.	N	O	P	Q	Support material	Cup art.	Weight g
00 08 34	107	75	102	70	aluminium	01 107 75 01 120 90	215.5



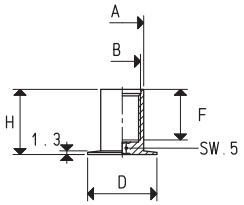
Art.	A Ø	D Ø	E	H	Support material	Cup art.	Weight g
00 08 35	120	127	4	15	aluminium	01 150 10	471.3



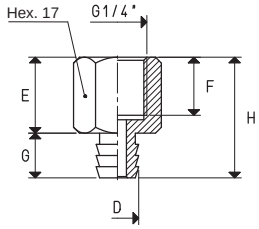
Art.	D Ø	F	G	H	Support material	Cup art.	Weight g
00 08 44	25	14	7.5	25	aluminium	01 45 10 01 60 10	5.1

Convertion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

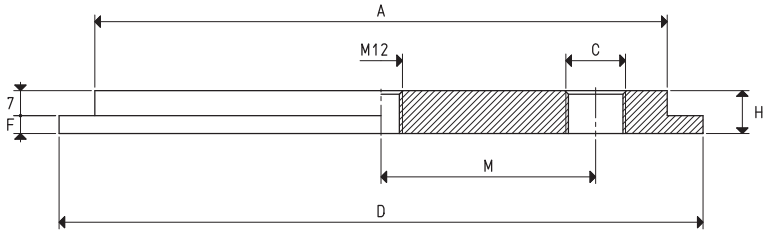
GAS-NPT thread adapters available at page 1.117



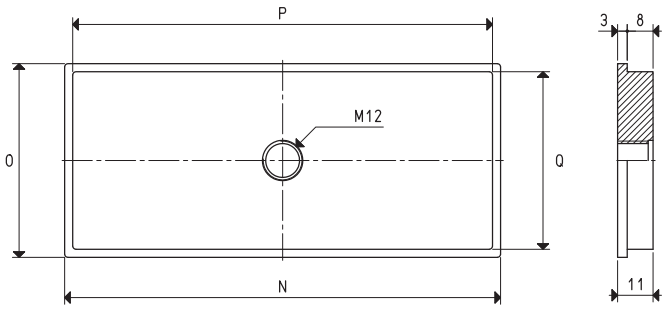
Art.	A Ø	B Ø	D Ø	F	H	Support material	Cup art.	Weight g
00 08 46	15.5	G1/4"	25	18	23.5	aluminium	01 85 10	6.5



Art.	D Ø	E	F	G	H	Support material	Cup art.	Weight g
00 08 50	9.5	17	13	10	27	aluminium	01 16 26 01 30 50 01 30 55 01 30 99 01 40 50	8.5



Art.	A Ø	C Ø	D Ø	F	H	M	Support material	Cup art.	Weight g
00 08 58	160	G3/8"	180	5	12	60	aluminium	01 180 15	740.0

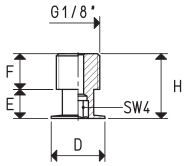


Art.	N	O	P	Q	Support material	Cup art.	Weight g
00 08 59	135	60	130	55	aluminium	01 135 60 01 150 75	218.4

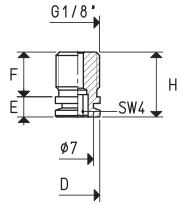
Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

GAS - NPT thread adapters available at page 1.117

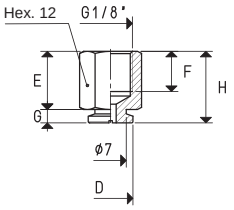
Art.	D Ø	E	F	H	Support material	Cup art.	Weight g
00 08 60	12	6.5	8	14.5	brass	01 19 17 01 20 08 01 20 60 01 25 08 01 25 10 01 26 10 01 30 10 01 35 10	5.6



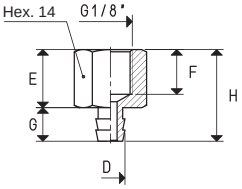
Art.	D Ø	E	F	H	Support material	Cup art.	Weight g
00 08 61	10	4.5	10	14.5	brass 01 20 60	01 18 50	6.5



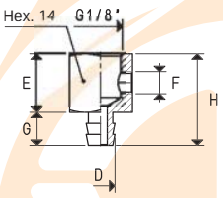
Art.	D Ø	E	F	G	H	Support material	Cup art.	Weight g
00 08 62	10	13	9	3	16	brass	01 18 50 01 20 60	9.4



Art.	D Ø	E	F	G	H	Support material	Cup art.	Weight g
00 08 64	6.5	13	10	7.5	20.5	brass	01 14 15 01 15 23 01 18 12 01 18 23 01 18 29 01 18 35	13.9

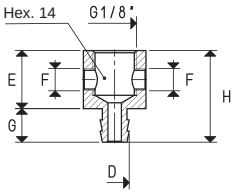


Art.	D Ø	E	F Ø	G	H	Support material	Cup art.	Weight g
00 08 65	6.5	13	M5	7.5	20.5	brass	01 14 15 01 15 23 01 18 12 01 18 23 01 18 29 01 18 35	13.7

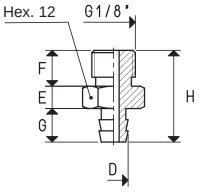


Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6}$ = $\frac{Kg}{0.4536}$

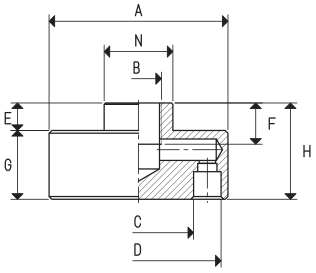
GAS - NPT thread adapters available at page 1.117



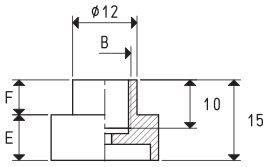
Art.	D Ø	E	F Ø	G	H	Support material	Cup art.	Weight g
00 08 66	6.5	13	M5	7.5	20.5	brass	01 14 15 01 15 23 01 18 12 01 18 23 01 18 29 01 18 35	13.5



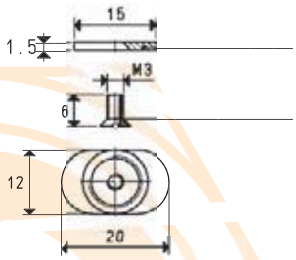
Art.	D Ø	E	F	G	H	Support material	Cup art.	Weight g
00 08 67	6.5	5	8	7.5	20.5	brass	01 14 15 01 15 23 01 18 12 01 18 23 01 18 29 01 18 35	11.4



Art.	A Ø	B Ø	C Ø	D Ø	E	F	G	H	N Ø	Support material	Cup art.	Weight g
00 08 68	40	M12	23	35	7	10	18	25	20	aluminium	01 46 13	47.2
00 08 72	65	G3/8"	40	60	10	15	25	35	25	aluminium	01 73 14	169.1
00 08 73	76	G3/8"	51	71	10	15	27	37	25	aluminium	01 95 14	266.0



Art.	B Ø	E	F	Support material	Cup art.	Weight g
00 08 70	G1/8"	8.5	6.5	aluminium	01 12 20	5.4



Fixing plate art. 00 08 97

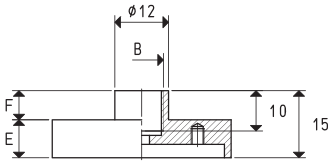
TSP perforated screw M3x5 art. 00 08 103

Note: By ordering art. 00 08 70 you will also receive the fixing plate and the TSP perforated screw

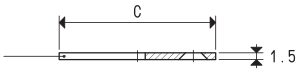
Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

GAS - NPT thread adapters available at page 1.117

Art.	A	B Ø	C	E	F	Support material	Cup art.	Weight g
00 08 71	30	G1/8"	25	8.5	6.5	aluminium	01 12 30	7.8
00 08 75	40	G1/8"	35	8.5	6.5	aluminium	01 12 40	11.4
00 08 76	55	G1/8"	50	8.5	6.5	aluminium	01 12 50	15.5

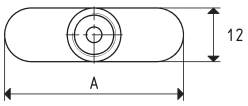


Fixing plate art. **00 08 98** for supp. **00 08 71**
art. **00 08 99** for supp. **00 08 75**
art. **00 08 100** for supp. **00 08 76**

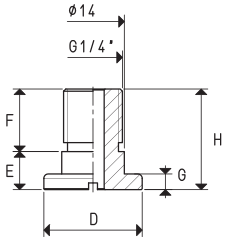


2 TSP screws M3x5 art. **00 08 102**

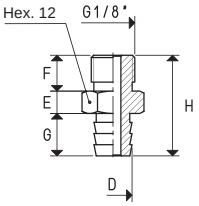
Note: By ordering the article associated with the support, the fixing plate and the TSP screws will also be provided.



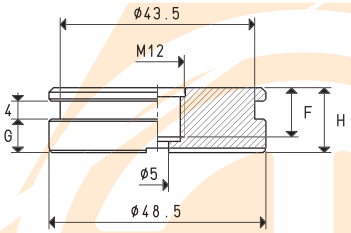
Art.	D Ø	E	F	G	H	Support material	Cup art.	Weight g
00 08 81	22	8.5	14	3.5	22.5	aluminium	01 40 18 01 48 18 01 54 18	8.8



Art.	D Ø	E	F	G	H	Support material	Cup art.	Weight g
00 08 82	8.5	5	8	9.5	22.5	brass	01 25 12 01 33 50	11.2



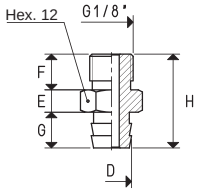
Art.	F	G	H	Support material	Cup art.	Weight g
00 08 83	11	7.5	14.5	aluminium	01 56 15	67.4



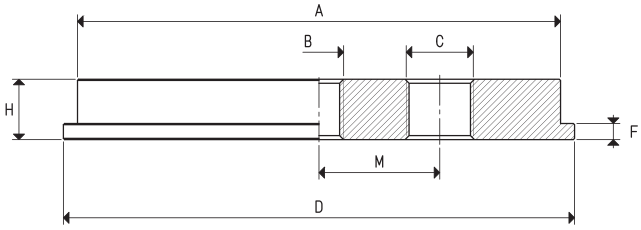
Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6}$ = $\frac{Kg}{0.4536}$

GAS - NPT thread adapters available at page 1.117

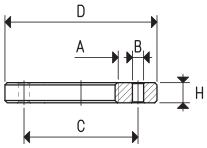
VACUUM CUP SUPPORTS



Art.	D Ø	E	F	G	H	Support material	Cup art.	Weight g
00 08 101	9	5	8	8	21	brass	01 25 14	10.8

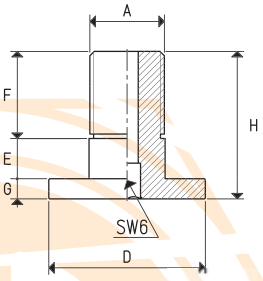


Art.	A Ø	B Ø	C Ø	D Ø	F	H	M	Support material	Cup art.	Weight g
00 08 107	120	M12	G3/8"	127	4	15	30	aluminium	01 127 15 01 150 10	476.9



RING NUT

Art.	A Ø	B Ø	C Ø	D Ø	H	Ring nut material	Support art.	Weight g
00 08 109	G1/4"	2.5	25.5	34	4.5	aluminium	00 08 108	9.8
00 08 111	G3/8"	2.5	25.5	34	4.5	aluminium	00 08 110	8.7
00 08 113	G3/8"	4.0	45.0	69	6.0	aluminium	00 08 112	58.2



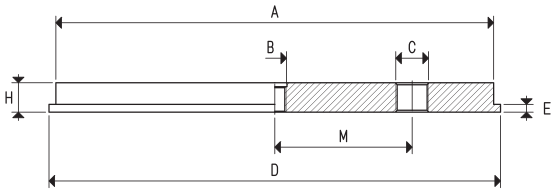
SUPPORT

Art.	A Ø	D Ø	E	F	G	H	Support material	Cup art.	Weight g
00 08 108	G1/4"	35	9	19.5	4.5	33.0	aluminium	01 76 24 01 90 24 01 110 24	21.4
00 08 110	G3/8"	35	9	19.5	4.5	33.0	aluminium	01 76 24 01 90 24 01 110 24	25.0
00 08 112	G3/8"	69	15	22.0	5.5	42.5	aluminium	01 150 36	73.9

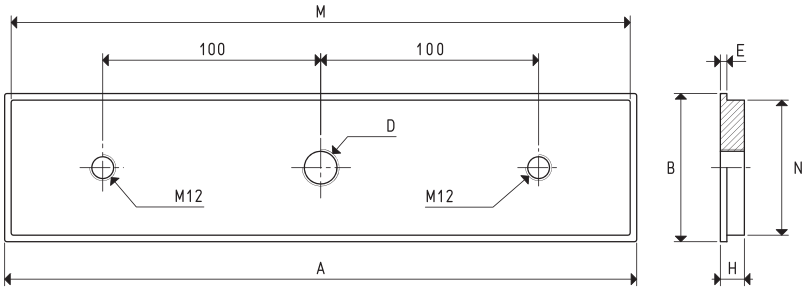
Note: By ordering the support, you will automatically receive its associated ring nut.

Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

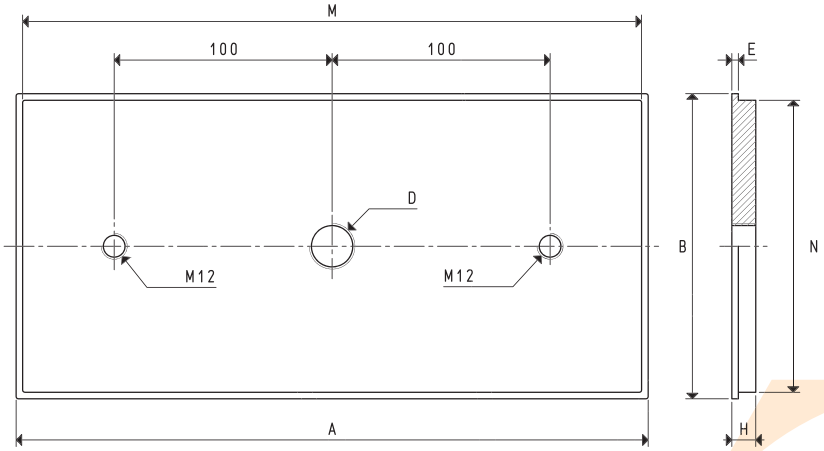
GAS - NPT thread adapters available at page 1.117



Art.	A Ø	B Ø	C Ø	D Ø	E	H	M	Support material	Cup art.	Weight Kg
00 08 115	223	M12	G3/8"	230	5	15	70	aluminium	01 250 20	1.65



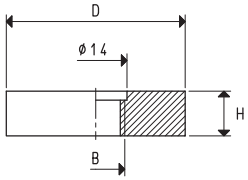
Art.	A	B	D Ø	E	H	M	N	Support material	Cup art.	Weight Kg
00 08 116	290	68	G3/8"	3	11	284	62	aluminium	01 290 68 01 300 80	0.53



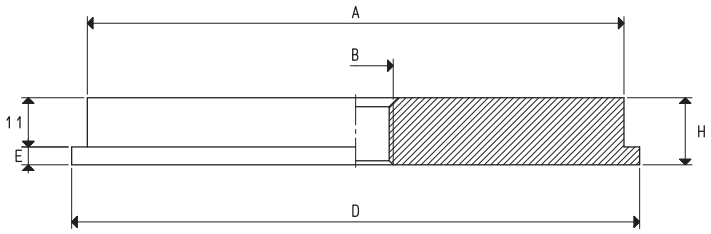
Art.	A	B	D Ø	E	H	M	N	Support material	Cup art.	Weight Kg
00 08 117	290	140	G1/2"	3	11	284	134	aluminium	01 290 140 01 300 150	1.13

Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6}$ = $\frac{Kg}{0.4536}$

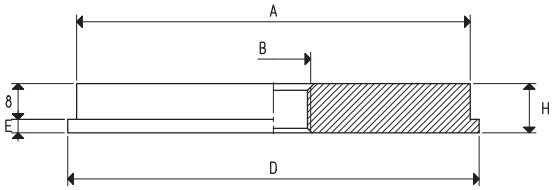
GAS - NPT thread adapters available at page 1.117



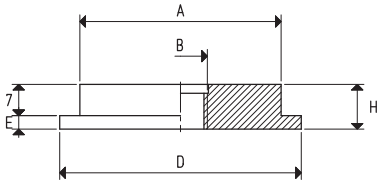
Art.	B Ø	D Ø	H	Support material	Cup art.	Weight g
00 08 118	G1/4"	40	10	aluminium	01 42 15	32.1



Art.	A Ø	B Ø	D Ø	E	H	Support material	Cup art.	Weight g
00 08 119	120	G3/8"	127	4	15	aluminium	01 150 10	478.9



Art.	A Ø	B Ø	D Ø	E	H	Support material	Cup art.	Weight g
00 08 123	88	G3/8"	92	3	11	aluminium	01 110 10 01 92 15	186.1

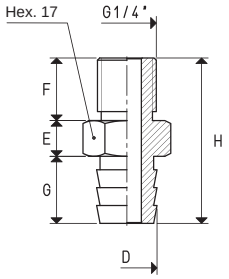


Art.	A Ø	B Ø	D Ø	E	H	Support material	Cup art.	Weight g
00 08 126	45	M12	54	3	10	aluminium	01 75 42 01 80 20	45.5

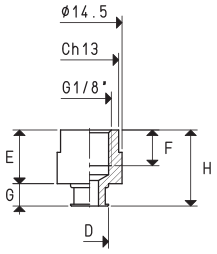
Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

GAS - NPT thread adapters available at page 1.117

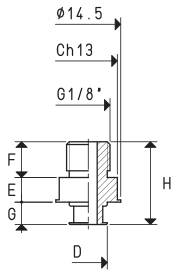
Art.	D Ø	E	F	G	H	Support material	Cup art.	Weight g
00 08 127	13.5	8	14	15	37	aluminium	01 40 25 01 56 30 01 75 30	24.7



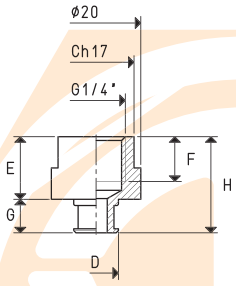
Art.	D Ø	E	F	G	H	Support material	Cup art.	Weight g
00 08 132	8.5	12	8	5	17	aluminium	01 20 23 01 22 19 01 34 26	3.8



Art.	D Ø	E	F	G	H	Support material	Cup art.	Weight g
00 08 133	8.5	5.5	8	5	18.5	aluminium	01 20 23 01 22 19 01 34 26	3.5

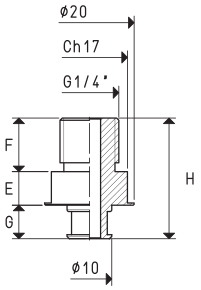


Art.	D Ø	E	F	G	H	Support material	Cup art.	Weight g
00 08 134	10	14	10	7.5	21.5	aluminium	01 30 32 01 40 42 01 43 28	8.3

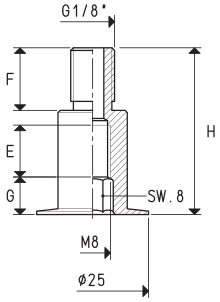


Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6}$ = $\frac{Kg}{0.4536}$

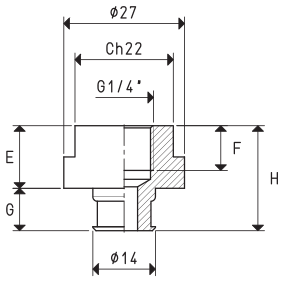
GAS - NPT thread adapters available at page 1.117



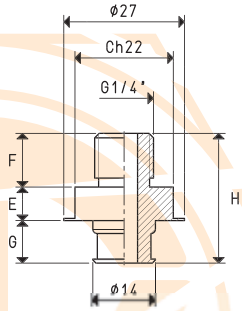
Art.	E	F	G	H	Support material	Cup art.	Weight g
00 08 135	7.5	12	7.5	27	aluminium	01 30 32 01 40 42 01 43 28	9.5



Art.	E	F	G	H	Support material	Cup art.	Weight g
00 08 136	12	14	8	37.3	aluminium	01 85 10	9.2



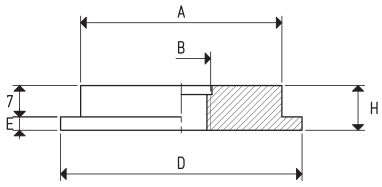
Art.	E	F	G	H	Support material	Cup art.	Weight g
00 08 141	14	10	9.5	23.5	aluminium	01 50 53 01 53 35	19.7



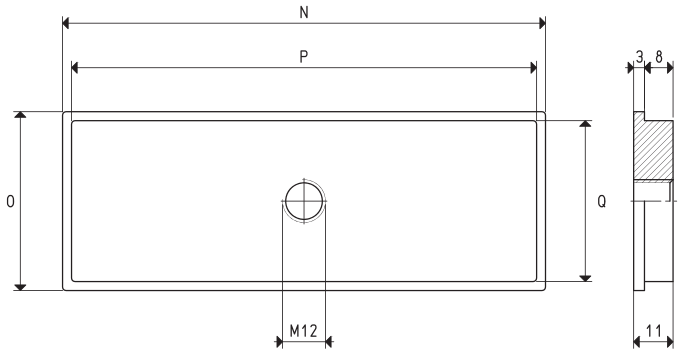
Art.	E	F	G	H	Support material	Cup art.	Weight g
00 08 142	7.5	12	9.5	29	aluminium	01 50 53 01 53 35	15.7

Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

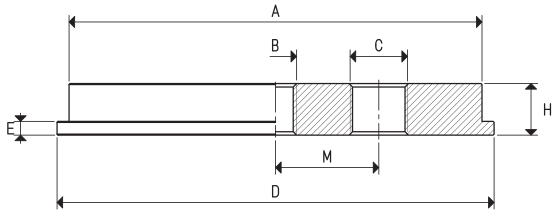
GAS - NPT thread adapters available at page 1.117



Art.	A Ø	B Ø	D Ø	E	H	Support material	Cup art.	Weight g
00 08 143	45	G1/2"	54	3	10	aluminium	01 75 42 01 80 20	41.5

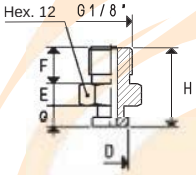


Art.	N	O	P	Q	Support material	Cup art.	Weight g
00 08 144	135	50	130	45	aluminium	01 135 50 01 150 65	176.1



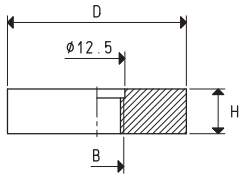
Art.	A Ø	B Ø	C Ø	D Ø	E	H	M	Support material	Cup art.	Weight g
00 08 145	120	G3/8"	G3/8"	127	4	15	27	aluminium	01 150 10	471.9

Art.	D Ø	E	F	G	H	Support material	Cup art.	Weight g
00 08 146	8	5	8	5	18	brass	01 20 12 01 20 14 01 20 15	9.8

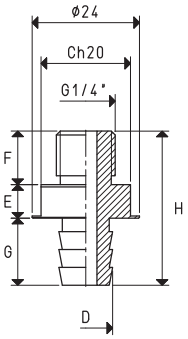


Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6}$ = $\frac{Kg}{0.4536}$

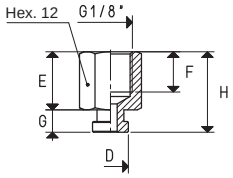
GAS - NPT thread adapters available at page 1.117



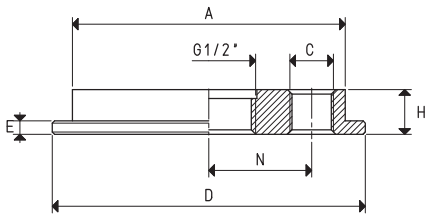
Art.	B Ø	D Ø	H	Support supporto	Cup art.	Weight g
00 08 147	M12	40	10	aluminium	01 42 15	32.8



Art.	D Ø	E	F	G	H	Support material	Cup art.	Weight g
00 08 148	12	7.5	12	15	34.5	aluminium	01 50 70	14.5



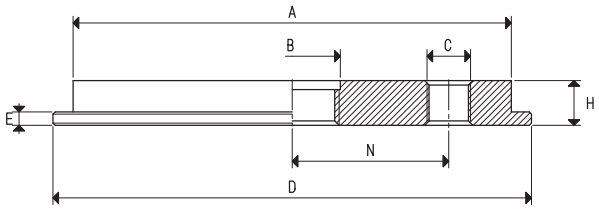
Art.	D Ø	E	F	G	H	Support material	Cup art.	Weight g
00 08 155	8	13	9	5	18	brass	01 20 12 01 20 14 01 20 15	9.1



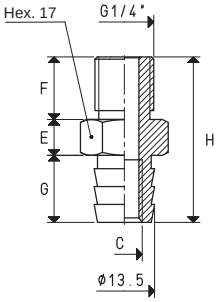
Art.	A Ø	C Ø	D Ø	E	N	H	Support material	Cup art.	Weight g
00 08 162	61	G1/8"	70	3	23	10	aluminium	01 110 58	78.9

Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

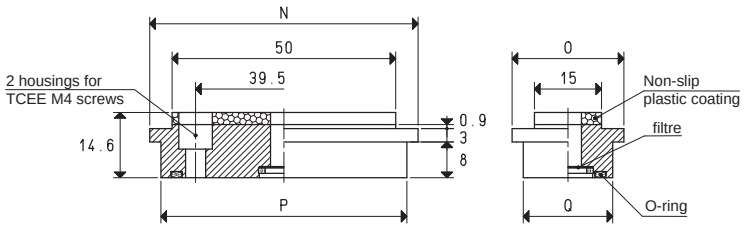
GAS - NPT thread adapters available at page 1.117



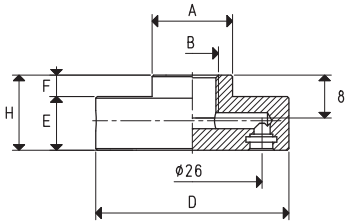
Art.	A Ø	B Ø	C Ø	D Ø	E	N	H	Support material	Cup art.	Weight g
00 08 163	98	G1/2"	G1/8"	107	3	35	10	aluminium	01 150 74	211.8



Art.	C Ø	E	F	G	H	Support material	Cup art.	Weight g
00 08 172	M8	8	14	15	37	aluminium	01 40 25 01 56 30 01 75 30	15.2



Art.	N	O	P	Q	Support material	Cup art.	Weight g
00 08 184	60	25	55	20	aluminium	01 40 75	38.7

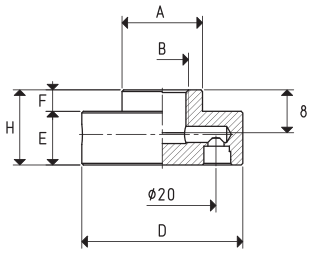


Art.	A Ø	B Ø	D Ø	E	F	H	Support material	Cup art.	Weight g
00 08 231	15	G1/8"	36	10	4	14	aluminium	01 31 06	24.9

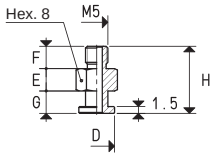
Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6}$ = $\frac{Kg}{0.4536}$

GAS - NPT thread adapters available at page 1.117

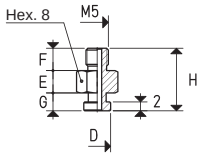
VACUUM CUP SUPPORTS



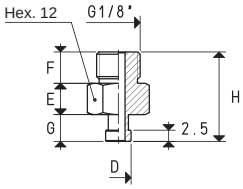
Art.	A Ø	B Ø	D Ø	E	F	H	Support material	Cup art.	Weight g
00 08 232	15	G1/8"	30	10	4	14	aluminium	01 24 06	16.7



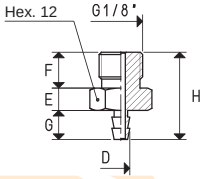
Art.	D Ø	E	F	G	H	Support material	Cup art.	Weight g
00 08 236	8	5	5	5	15	brass	01 07 13	3.0



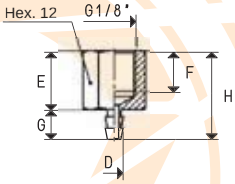
Art.	D Ø	E	F	G	H	Support material	Cup art.	Weight g
00 08 237	6	5	5	4	14	brass	01 08 07	3.0



Art.	D Ø	E	F	G	H	Support material	Cup art.	Weight g
00 08 238	5.7	7	7	6	20	brass	01 11 08	7.0



Art.	D Ø	E	F	G	H	Support material	Cup art.	Weight g
00 08 239	4	5	8	6.5	19.5	brass	01 14 09	8.0

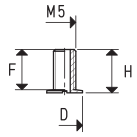


Art.	D Ø	E	F	G	H	Support material	Cup art.	Weight g
00 08 240	4	13	9	6.5	19.5	brass	01 14 09	7.0

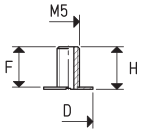
Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6}$ = $\frac{Kg}{0.4536}$

GAS - NPT thread adapters available at page 1.117

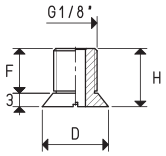
Art.	D Ø	F	H	Support material	Cup Art.	Weight g
00 08 241	8	9	10	brass	01 15 04	1.5



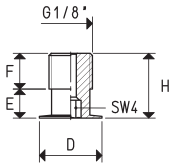
Art.	D Ø	F	H	Support material	Cup Art.	Weight g
00 08 242	11	9	9.5	brass	01 20 04	1.8



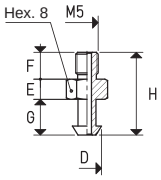
Art.	D Ø	F	H	Support material	Cup Art.	Weight g
00 08 243	15	10	13	brass	01 20 06	6.0



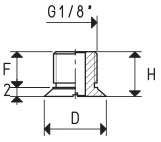
Art.	D Ø	E	F	H	Support material	Cup Art.	Weight g
00 08 244	14	6.5	8	14.5	brass	01 35 12	5.9



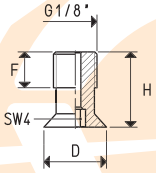
Art.	D Ø	E	F	G	H	Support material	Cup Art.	Weight g
00 08 245	6.5	4.5	6	8	18.5	brass	01 20 11	2.7



Art.	D Ø	F	H	Support material	Cup Art.	Weight g
00 08 246	14	8	10	brass	01 22 06	5.0



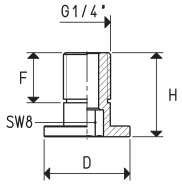
Art.	D Ø	F	H	Support material	Cup Art.	Weight g
00 08 247	14	8	17	brass	01 40 14	8.4



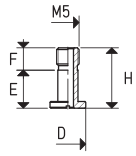
Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6}$ = $\frac{Kg}{0.4536}$

GAS - NPT thread adapters available at page 1.117

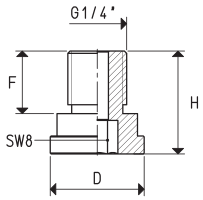
VACUUM CUP SUPPORTS



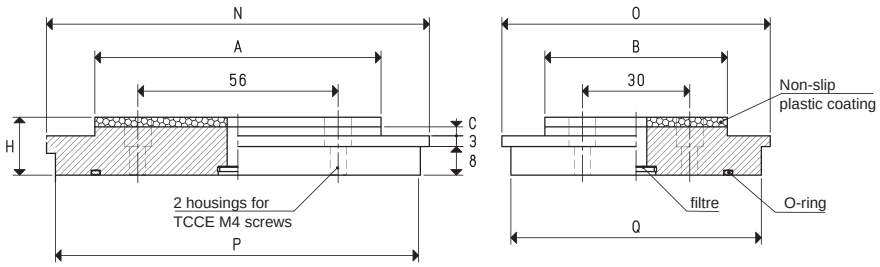
Art.	D Ø	F	H	Support material	Cup art.	Weight g
00 08 248	24	14	23.5	aluminium	01 54 18	5.8



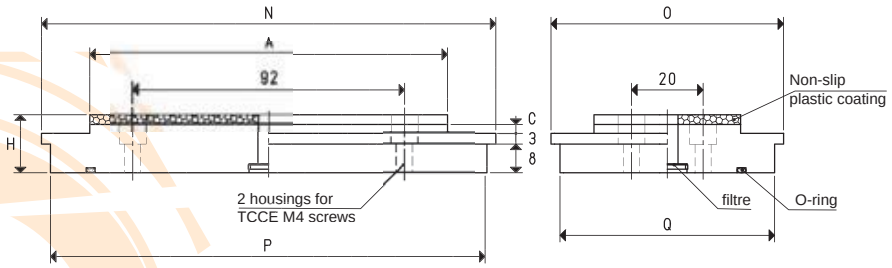
Art.	D Ø	E	F	H	Support material	Cup art.	Weight g
00 08 249	8	8.5	5	13.5	brass	01 31 12	1.8



Art.	D Ø	F	H	Support material	Cup art.	Weight g
00 08 250	21	14	23	aluminium	01 32 30	8.6



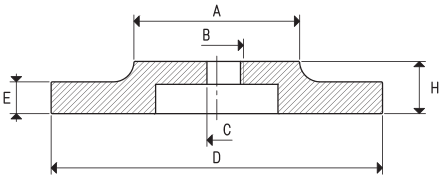
Art.	A	B	C	H	N	O	P	Q	Support material	Cup art.	Weight g
00 08 256	80	51	2.5	16.6	107	75	102	70	aluminium	01 120 90	244.5



Art.	A	B	C	H	N	O	P	Q	Support material	Cup art.	Weight g
00 08 257	110	35	2.3	16.4	135	60	130	55	aluminium	01 150 75	247.9

Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

GAS - NPT thread adapters available at page 1.117



SUPPORTS

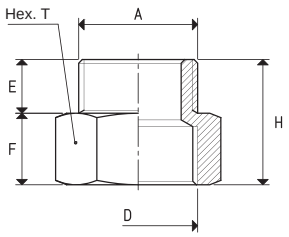
Art.	A Ø	B Ø	C Ø	D Ø	E	H	Support material	Cup art.	Weight g
00 08 280	35	G1/2"	--	70	12.5	22.5	aluminium	01 150 55	120
00 08 281	65	G1/2"	--	130	12.5	23.5	aluminium	01 210 60	465
00 08 286	35	--	8	70	12.5	22.5	aluminium	01 150 55	125
00 08 287	65	--	8	130	12.5	23.5	aluminium	01 210 60	470

GAS - NPT ADAPTERS

These adapters allow using NPT threaded fittings on vacuum components with gas threads, such as cups, valves and solenoid valves, filtres etc.

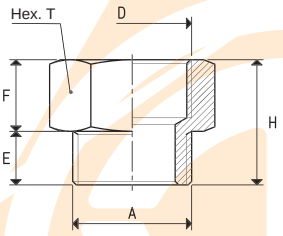
FEMALE GAS - MALE NPT ADAPTER

Art.	A Ø	D Ø	E	F	H	T	Adapter material	Weight g
00 08 259	1/8" NPT	G1/8"	10	12	22	14	brass	10
00 08 260	1/4" NPT	G1/4"	11	13	24	20	brass	15
00 08 261	3/8" NPT	G3/8"	12	14	26	22	brass	28
00 08 262	1/2" NPT	G1/2"	14	16	30	25	brass	47
00 08 263	3/4" NPT	G3/4"	14	16	30	34	brass	60
00 08 264	1" NPT	G1"	15	20	35	42	brass	92
00 08 265	1" 1/4 NPT	G1" 1/4	15	20	35	52	brass	132
00 08 266	1" 1/2 NPT	G1" 1/2	16	20	36	60	brass	200
00 08 267	2" NPT	G2"	16	20	36	72	brass	277



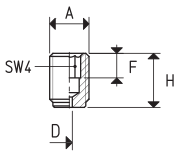
MALE GAS - FEMALE NPT ADAPTER

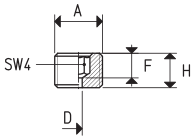
Art.	A Ø	D Ø	E	F	H	T	Adapter material	Weight g
00 08 268	G1/8"	1/8" NPT	10	12	22	14	brass	10
00 08 269	G1/4"	1/4" NPT	11	13	24	20	brass	15
00 08 270	G3/8"	3/8" NPT	12	14	26	22	brass	28
00 08 271	G1/2"	1/2" NPT	14	16	30	25	brass	47
00 08 272	G3/4"	3/4" NPT	14	16	30	34	brass	60
00 08 273	G1"	1" NPT	15	20	35	42	brass	92
00 08 274	G1" 1/4	1" 1/4 NPT	15	20	35	52	brass	132
00 08 275	G1" 1/2	1" 1/2 NPT	16	20	36	60	brass	200
00 08 276	G2"	2" NPT	16	20	36	72	brass	277



THREADED GRUB SCREW WITH CALIBRATED HOLE

These threaded grub screws with calibrated hole are used to reduce the cup suction section, thus reducing vacuum losses in case the cup fails to grip.
They are made with brass and can be inserted in all the cup supports set for this application.



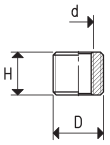


Art.	A Ø	D Ø	F	H	Grub screw material	Weight g
00 08 122	M8	0.9	5	11	brass	2.5
00 08 121	M8	1.2	5	11	brass	2.4
00 08 120	M8	1.5	5	11	brass	2.3

Art.	A Ø	D Ø	F	H	Grub screw material	Weight g
00 08 164	G1/8"	1.2	5	11	brass	3.0
00 08 165	G1/8"	1.5	5	11	brass	3.0
00 08 176	G1/4"	1.2	5	11	brass	4.0

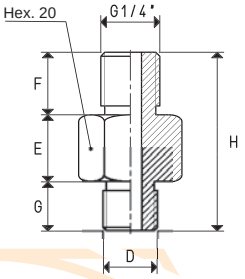
REDUCTION

These standard accessories provide various cup assembly options.
These brass or galvanised steel reductions screwed onto the cup standard support connectors can vary the thread from gas to metric or vice-versa, from male to female or vice-versa, and they can also increase or reduce the size of their threaded diameter.



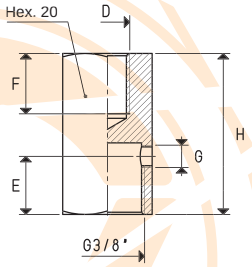
MF REDUCTION

Art.	D Ø	d Ø	H	Support material	Weight g
00 08 130	G1/4"	M10	14	steel	4.0
00 08 131	G3/8"	M10	14	steel	12.0
00 08 230	G3/8"	G1/4"	14	steel	6.0
00 08 254	1/4" NPT	M10	14	steel	3.9
00 08 255	3/8" NPT	M10	14	steel	11.9
00 08 258	3/8" NPT	G1/4"	14	steel	5.9



MM REDUCTION

Art.	D Ø	E	F	G	H	Reduction material	Weight g
00 08 129	M12	15	14	11	40	brass	4.0



FF REDUCTION FOR GS ARTICULATED JOINT

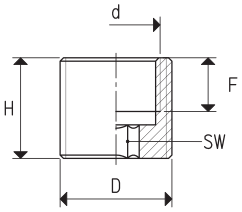
Art.	D Ø	E	F	G Ø	H	Reduction material	Weight g
00 08 54	M10	13	13.5	M5	36	brass	72
00 08 251	M8	16	15.0	G1/8"	48	brass	102
00 08 252	M12	16	15.0	G1/8"	48	brass	90

Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6}$ = $\frac{Kg}{0.4536}$

GAS - NPT thread adapters available at page 1.117

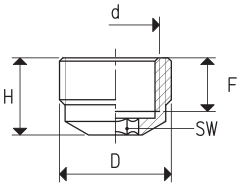
MF REDUCTIONS FOR VRP CUPS

Art.	D	d	F	H	SW	Weight
	Ø	Ø				g
00 08 215	G3/8"	G1/4"	8	14	6	11.5



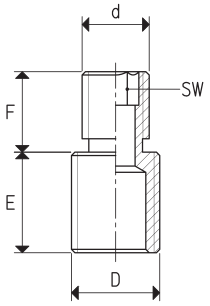
MF REDUCTIONS FOR VRS - VEP - VES CUPS

Art.	D	d	F	H	SW	Weight
	Ø	Ø				g
00 08 216	G3/8"	G1/4"	8	11.5	6	6.0



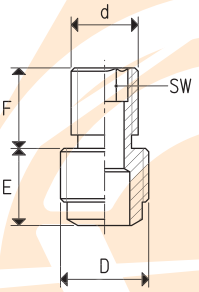
MM REDUCTIONS FOR VRP CUPS

Art.	D	d	E	F	SW	Weight
	Ø	Ø				g
00 08 217	G1/4"	G1/4"	15	10	6	16.7
00 08 218	G1/4"	M10 x 1.5	15	12	6	10.2
00 08 219	G1/4"	M14 x 1.5	15	12	6	16.0
00 08 220	G3/8"	G1/4"	14	10	6	18.4
00 08 221	G3/8"	M10 x 1.5	14	12	6	16.3
00 08 222	G3/8"	M14 x 1.5	14	12	6	22.5



MM REDUCTIONS FOR VRS - VEP - VES CUPS

Art.	D	d	E	F	SW	Weight
	Ø	Ø				g
00 08 223	G1/4"	G1/4"	11.5	10	6	13.9
00 08 224	G1/4"	M10 x 1.5	13.0	12	6	10.1
00 08 225	G1/4"	M14 x 1.5	13.0	12	6	15.8
00 08 226	G3/8"	G1/4"	10.5	11	6	16.6
00 08 227	G3/8"	M10 x 1.5	10.5	13	6	14.2
00 08 228	G3/8"	M14 x 1.5	10.5	13	6	20.2

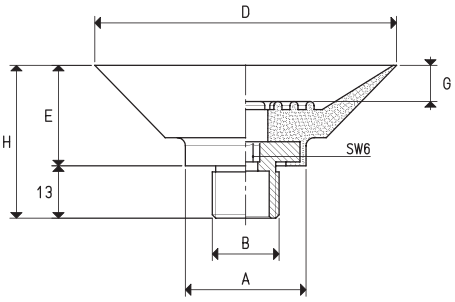


Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

GAS - NPT thread adapters available at page 1.117

SELF-LOCKING CUPS WITH TRACTION RELEASE

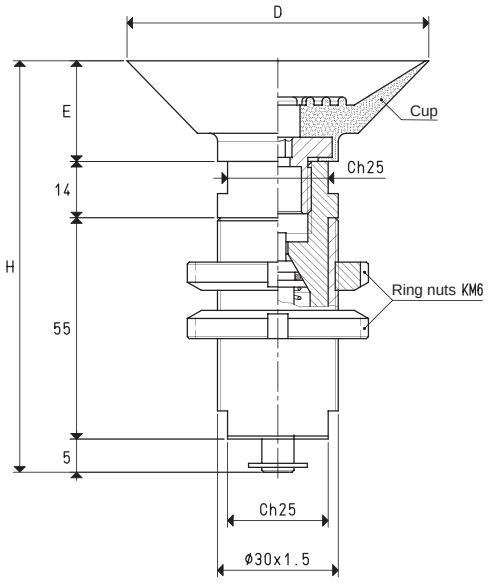
These cups do not require a connection to any vacuum source, since the object onto which they are laid on evacuates the air inside them. A built-in non-return valve prevents the air from entering again, thus maintaining the vacuum. To release the piece, it is sufficient to lift it a few millimetres, so to open the non-return valve, which restores the atmospheric pressure inside the cup, by letting the air in.
Since possible losses cannot be recovered, these cups a recommended only for holding objects with smooth and impermeable surfaces, such as glass, polished sheets, and other similar objects. They are particularly suited for glass carrying trolleys feeding trolleys for robotic systems.
They are made with nickel-plated brass with a steel drive bush, which can be provided in the anti-rotation version upon request.



SPARE CUPS WITH VULCANISED SUPPORT

Art.	Force Kg	A Ø	B Ø	D Ø	E	G	H	Support material	Weight g
08 50 40 *	4.90	31	G3/8"	50	16.0	6.5	29.0	steel	38.5
08 75 40 *	11.04	31	G3/8"	75	25.0	9.0	38.0	steel	57.9
08 100 40 *	19.62	32	G3/8"	100	26.0	9.0	39.0	steel	78.3
08 100 50 *	19.62	32	G3/8"	100	30.5	15.0	43.5	steel	74.8

* Complete the code by indicating the compound: B= BENZ rubber; N= natural para rubber; S= silicon

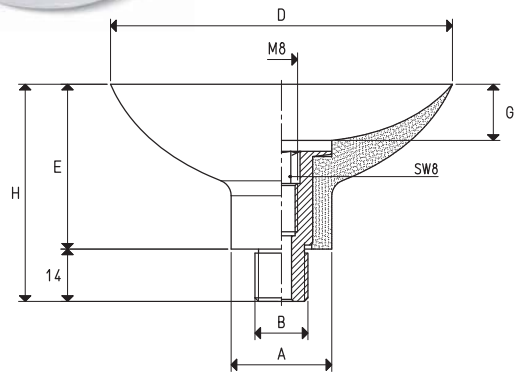


SELF-LOCKING CUPS WITH TRACTION RELEASE

Art.	Force Kg	D Ø	E	H	Cup Art.	Weight g
17 50 40 *	4.90	50	16	90	08 50 40	436
17 75 40 *	11.04	75	25	99	08 75 40	458
17 100 40 *	19.62	100	26	100	08 100 40	474
17 100 50 *	19.62	100	30	104	08 100 50	473

* Complete the code by indicating the compound: B= BENZ rubber; N= natural para rubber; S= silicon

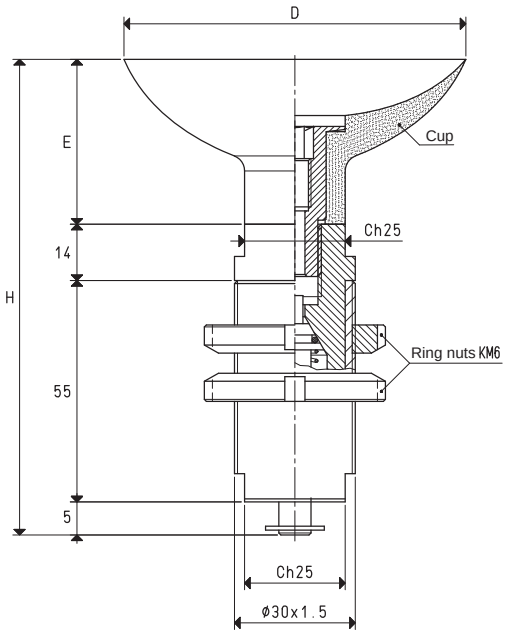
Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$



SPARE CUPS WITH SUPPORT

Art.	Force Kg	A Ø	B Ø	D Ø	E	G	H	Cup Art.	Support Art.	Support material	Weight g
08 60 10 *	7.06	15	G1/4"	60	22	9.5	36	01 60 10	00 08 22	aluminium	20.8
08 85 10 *	14.18	25	G1/4"	85	41	14.0	55	01 85 10	00 08 28	aluminium	49.3

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



SELF-LOCKING CUPS WITH TRACTION RELEASE

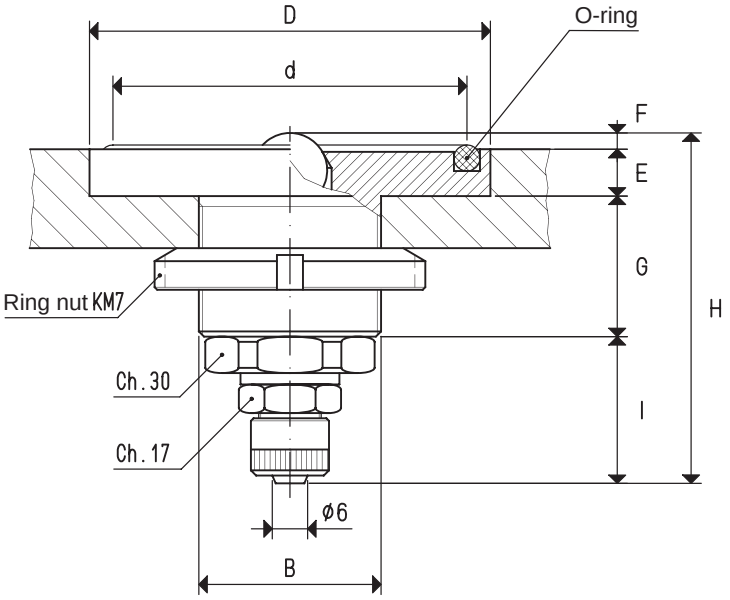
Art.	Force Kg	D Ø	E	H	Cup Art.	Weight g
17 60 10 *	7.06	60	22	96	08 60 10	415
17 85 10 *	14.18	85	41	115	08 85 10	444

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

Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

BUILT-IN CUPS WITH BALL VALVE

The main feature of these cups is that they open, and therefore they produce vacuum, only when the load to be handled activates the sealing ball.
In this version, the gripping surface is limited by a silicon O-ring which guarantees the vacuum seal.
They have been specially designed for vacuum beds and they are fully made with anodised aluminium.



BUILT-IN CUPS WITH BALL VALVE

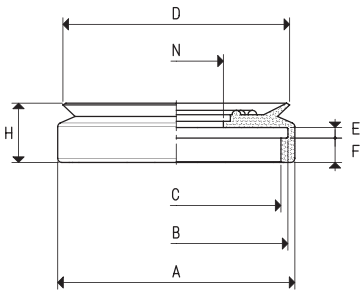
Art.	Force Kg	B Ø	d Ø	D Ø	E	F	G	H	I	O-ring Art.	Weight g
05 01 10	9.80	35 x 1.5	50	59	9	3	27	66	27	00 05 14	248
05 02 10	13.60	35 x 1.5	59	68	9	3	27	66	27	00 05 15	268
05 03 10	18.10	35 x 1.5	68	77	9	3	27	66	27	00 05 16	294
05 04 10	29.70	35 x 1.5	87	96	9	3	27	66	27	00 05 19	358

3D drawings available at **www.vuototecnica.net**

Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

BUILT-IN CUPS WITH BALL VALVE

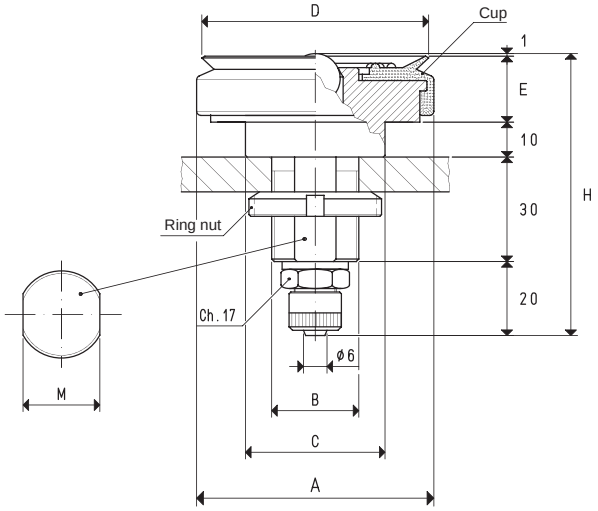
These cups differ only for the seal, which is made up by the flat cups listed in the table.
They are especially recommended for the glass industries and for all those cases in which magnetic tables cannot be used. They are made with anodised aluminium, but can be supplied in other metals upon request.



SPARE CUP

Art.	Force	A	B	C	D	E	F	H	N	Weight
	Kg	Ø	Ø	Ø	Ø				Ø	g
01 65 15 *	8.29	68	63	59	65	3	7	17	27	21.4

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



BUILT-IN CUPS WITH BALL VALVE

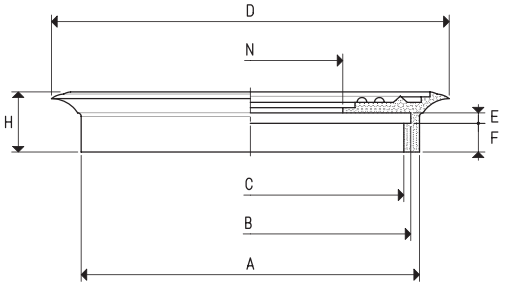
Art.	Force	A	B	C	D	E	H	M	Ring nut	Cup	Weight
	Kg	Ø	Ø	Ø	Ø					Art.	g
05 65 15 *	8.29	69	25 x 1.5	40	65	19	80	22	KM 5	01 65 15	262

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

3D drawings available at **www.vuototecnica.net**

Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

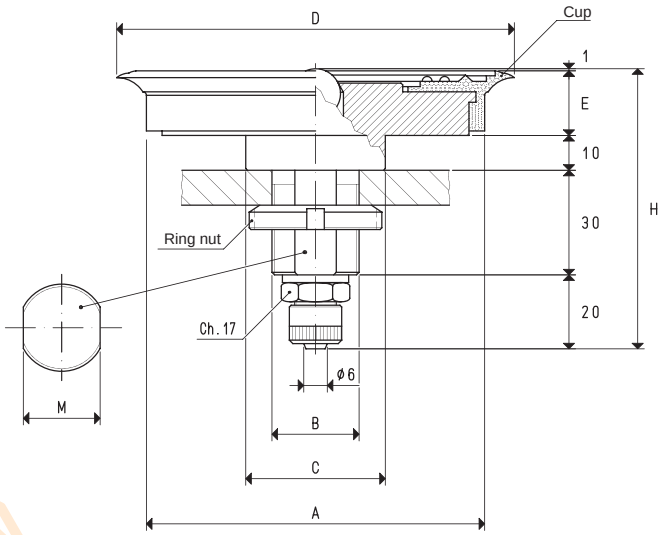
BUILT-IN CUPS WITH BALL VALVE



SPARE CUPS

Art.	Force	A	B	C	D	E	F	H	N	Weight
	Kg	Ø	Ø	Ø	Ø				Ø	g
01 85 15 *	14.18	68	63	59	85	3	7	17	27	29.7
01 110 10 *	23.74	96	91	87	114	3	8	17	54	44.3
01 150 10 *	45.00	133	125	118	154	4	11	23	64	112.0

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



BUILT-IN CUPS WITH BALL VALVE

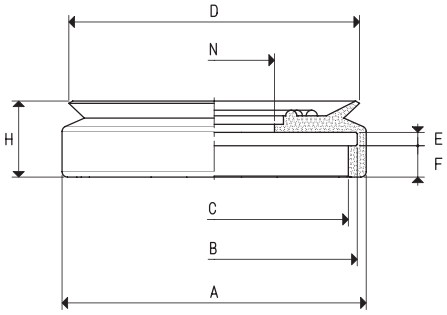
Art.	Force	A	B	C	D	E	H	M	Ring nut	Cup	Weight
	Kg	Ø	Ø	Ø	Ø					art.	g
05 85 15 *	14.18	69	25 x 1.5	40	85	19	80	22	KM 5	01 85 15	272
05 110 10 *	23.74	97	25 x 1.5	40	114	19	80	22	KM 5	01 110 10	422
05 150 10 *	45.00	135	35 x 1.5	80	154	25	86	32	KM 7	01 150 10	894

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

Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

SPECIAL BUILT-IN CUPS WITH BALL VALVE

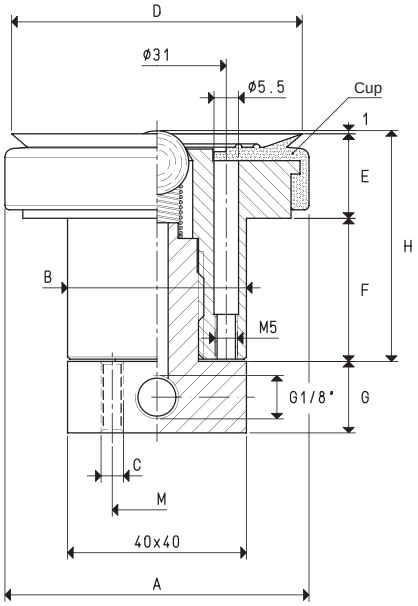
The main feature of the special built-in cups is that they open, and therefore produce vacuum, only when the load to be clamped activates the sealing ball.
Especially designed for the vacuum operated beds of woodworking machines, they differ from the previously described ones because of the high precision of their cylindrical support, which is ground to size, and because of their square closing block, which prevents the cup from rotating and enables connection to vacuum.
The cold-assembled cups are the flat ones listed in the table in the various compounds. Their support is made with anodised aluminium, while the closing block is made with brass.



SPARE CUP

Art.	Force	A	B	C	D	E	F	H	N	Weight
	Kg	Ø	Ø	Ø	Ø				Ø	g
01 65 15 *	8.29	68	63	59	65	3	7	17	27	21.4

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



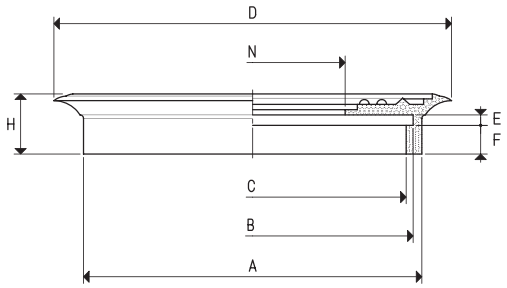
SPECIAL BUILT-IN CUPS WITH BALL VALVE

Art.	Force	A	B	C	D	E	F	G	H	M	Cup	Weight
	Kg	Ø	Ø	Ø	Ø						Art.	g
05 65 15 M *	8.29	69	40	M5	65	19	31.5	16.0	51.5	20	01 65 15	456

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

Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

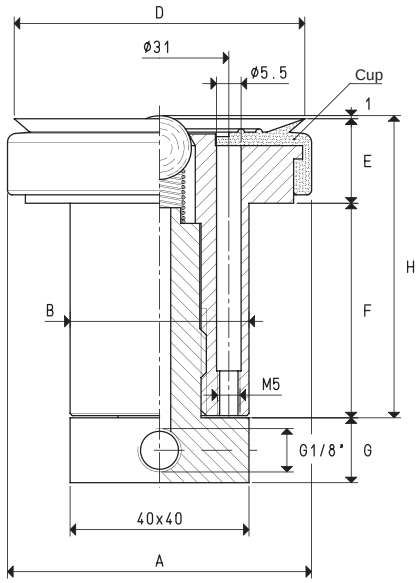
SPECIAL BUILT-IN CUPS WITH BALL VALVE



SPARE CUP

Art.	Force	A	B	C	D	E	F	H	N	Weight
	Kg	Ø	Ø	Ø	Ø				Ø	g
01 65 15 *	8.29	68	63	59	65	3	7	17	27	21.4

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

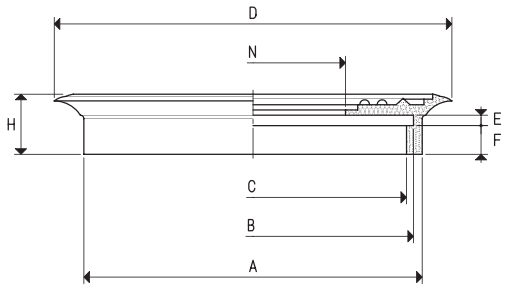


SPECIAL BUILT-IN CUPS WITH BALL VALVE

Art.	Force	A	B	D	E	F	G	H	Cup	Weight
	Kg	Ø	Ø	Ø					Art.	g
05 65 65 *	8.29	69	40	65	19	47.5	14.5	67.5	01 65 15	528

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

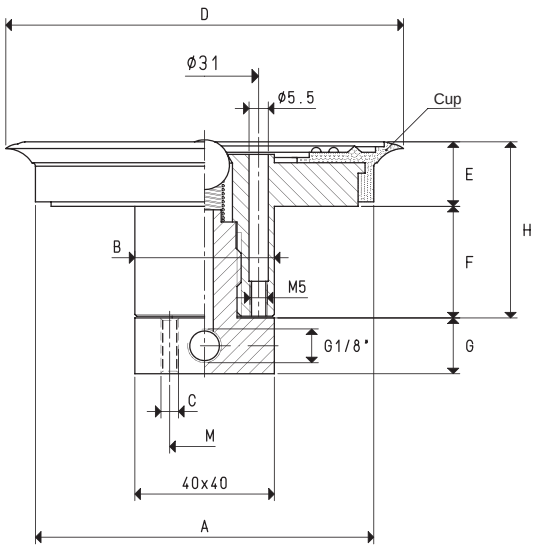
Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$



SPARE CUPS

Art.	Force	A	B	C	D	E	F	H	N	Weight
	Kg	Ø	Ø	Ø	Ø				Ø	g
01 85 15 *	14.18	68	63	59	85	3	7	17	27	29.7
01 110 10 *	23.74	96	91	87	114	3	8	17	54	44.3

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



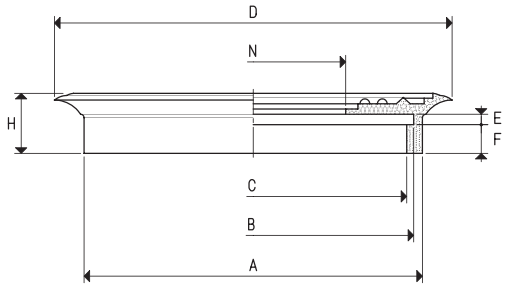
SPECIAL BUILT-IN CUPS WITH BALL VALVE

Art.	Force	A	B	C	D	E	F	G	H	M	Cup	Weight
	Kg	Ø	Ø	Ø	Ø						Art.	g
05 85 15 M *	14.18	69	40	M5	85	19	31.5	16.0	51.5	20	01 85 15	466
05 110 10 M *	23.74	97	40	M5	114	19	32.0	16.0	52.0	20	01 110 10	614

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

Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

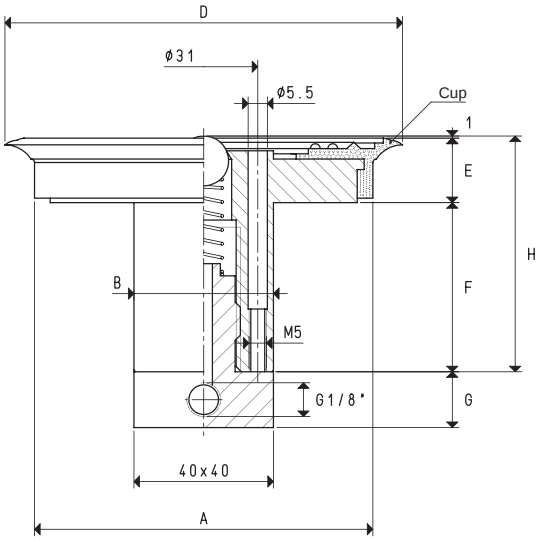
SPECIAL BUILT-IN CUPS WITH BALL VALVE



SPARE CUPS

Art.	Force	A	B	C	D	E	F	H	N	Weight
	Kg	Ø	Ø	Ø	Ø				Ø	g
01 85 15 *	14.18	68	63	59	85	3	7	17	27	29.7
01 110 10 *	23.74	96	91	87	114	3	8	17	54	44.3

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



SPECIAL BUILT-IN CUPS WITH BALL VALVE

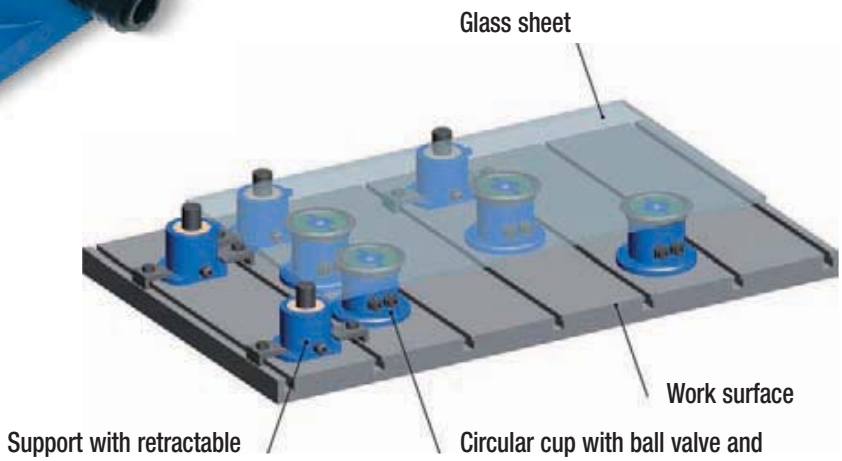
Art.	Force	A	B	D	E	F	G	H	Cup	Weight
	Kg	Ø	Ø	Ø					Art.	g
05 85 65 *	14.18	69	40	85	19	47.5	14.5	67.5	01 85 15	536
05 110 65 *	23.74	97	40	114	19	48.0	14.5	68.0	01 110 10	674

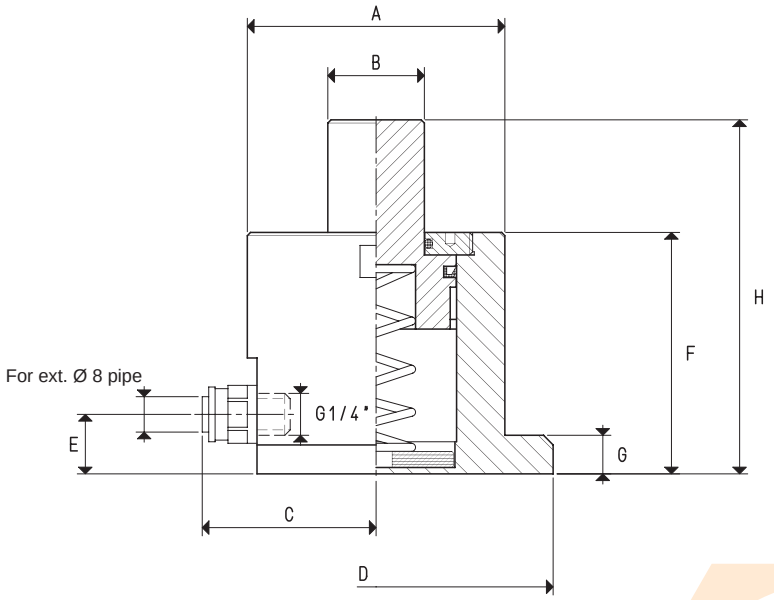
* Complete the code by indicating the compound: A= oil-resistant rubber; N= natural para rubber; S= silicon

Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

SUPPORTS WITH RETRACTABLE STRIKING PIN

These supports with retractable striking pins have been designed to allow a quick centering of the load to be clamped to the machine work surface via the cups. The striking pin is solidly connected to a piston and it is activated by the vacuum while retracting and while remaining in its housing and also by a stainless steel spring while coming out.
These supports are mechanically fixed to the work surface. The striking pin is made with plastic material, while the support is made with anodised aluminium.
As a standard they are equipped with a quick coupling for vacuum connection.





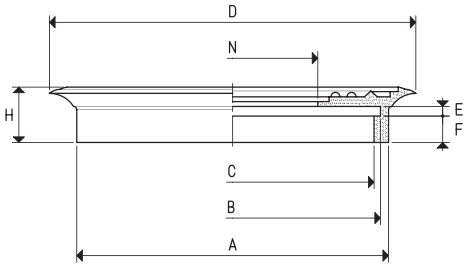
SUPPORTS WITH RETRACTABLE STRIKING PIN

Art.	A Ø	B Ø	C	D Ø	E	F	G	H	Weight Kg
23 01 10	80	30	53	110	18	45	12	63	0.690
23 01 15	80	30	53	110	13	64	12	99	0.846
23 02 10	80	30	53	110	18	75	12	110	0.956
23 05 10	80	30	53	110	18	110	12	180	1.280

Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

CIRCULAR CUPS WITH SELF-LOCKING SUPPORT

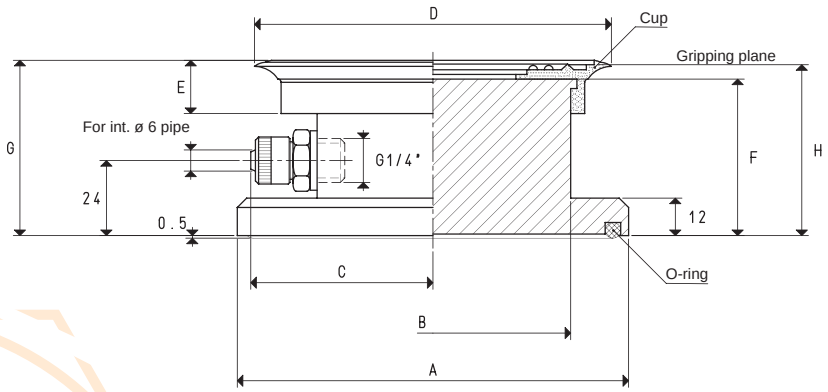
These cups represent a true mobile clamping system.
They are composed of:
- A sturdy anodised aluminium support with a wide surface at the base limited by a seal whose purpose is to fix it to the bearing surface.
- A standard circular flat cup which is cold-assembled onto the upper part of the support for gripping the load.
- Two quick couplings for vacuum connection.
The detection of vacuum, for gripping and releasing the support, can be made via three-way vacuum valves or solenoid valves.
All cups with self-locking support of this and other ranges with the gripping plane at the same height can be used simultaneously, even if they are of different types or have different sizes.



SPARE CUPS

Art.	Force	A	B	C	D	E	F	H	N	Weight
	Kg	Ø	Ø	Ø	Ø				Ø	g
01 85 15 *	14.18	68	63	59	85	3	7	17	27	29.7
01 110 10 *	23.74	96	91	87	114	3	8	17	54	44.3
01 150 10 *	45.00	133	125	118	154	4	11	23	64	112.0

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



CUPS WITH SELF-LOCKING SUPPORT

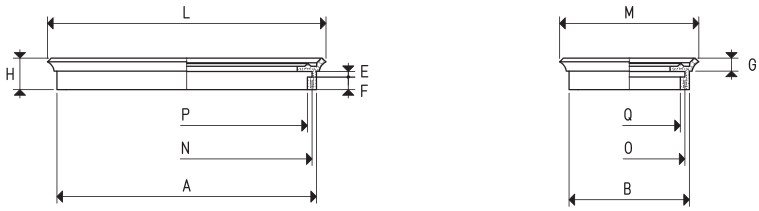
Art.	Force	A	B	C	D	E	F	G	H	Cup	O-ring	Weight
	Kg	Ø	Ø		Ø					Art.	Art.	Kg
16 85 15 *	14.5	98	60	41	85	17	49.0	56.0	54.5	01 85 15	00 16 06	0.542
16 110 10 *	24.0	125	88	58	114	17	50.0	56.0	54.5	01 110 10	00 16 07	1.056
16 150 10 *	45.0	165	120	76	154	23	49.5	57.5	54.5	01 150 10	00 16 08	1.858

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

Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

RECTANGULAR CUPS WITH SELF-LOCKING SUPPORT

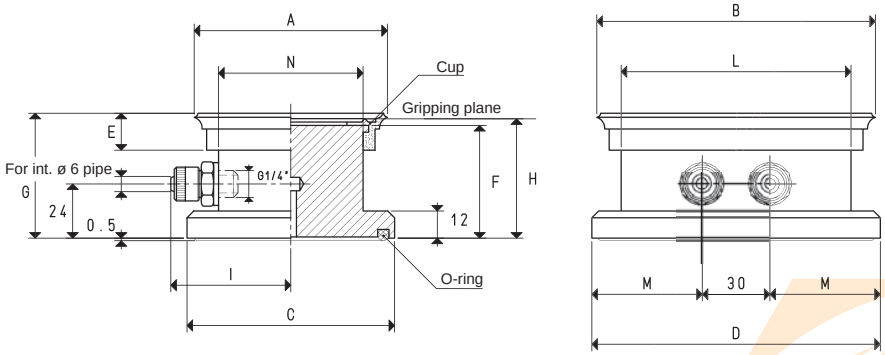
These cups represent a true mobile clamping system. They are composed of:
- A sturdy anodised aluminium support with a wide surface at the base limited by a seal whose purpose is to fix it to the bearing surface.
- A standard rectangular flat cup which is cold-assembled onto the upper part of the support for gripping the load.
- Two quick couplings for vacuum connection.
The detection of vacuum, for gripping and releasing the support, can be made via three-way vacuum valves or solenoid valves.
All cups with self-locking support of this and other ranges with the gripping plane at the same height can be used simultaneously, even if they are of different types or have different sizes.



SPARE CUPS

Art.	Force Kg	A	B	E	F	G	H	L	M	N	O	P	Q	Weight g
01 40 75 *	6.7	64	29	3	7.5	6.5	16.0	75	40	59	24	54	19	15.6
01 120 90 *	24.0	107	78	3	7.5	7.5	17.5	117	87	102	73	97	68	38.8
01 150 75 *	25.0	137	62	3	7.5	7.5	16.5	147	72	132	57	127	52	41.2

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



CUPS WITH SELF-LOCKING SUPPORT

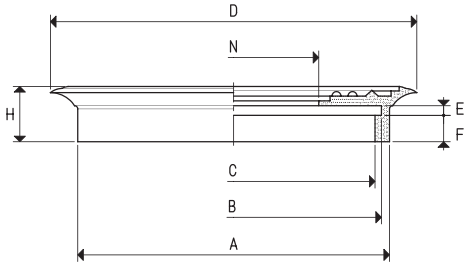
Art.	Force Kg	A	B	C	D	E	F	G	H	I	L	M	N	Cup Art.	O-ring Art.	Weight Kg
16 40 75 *	6.7	41	76	48	83	16.0	51	56.5	54.5	30.5	55	26.5	20	01 40 75	00 16 09	0.260
16 120 90 *	24.0	90	120	98	128	17.5	50	57.0	54.5	56.0	102	49.0	70	01 120 90	00 16 10	1.166
16 150 75 *	25.0	75	150	83	144	16.5	50	57.0	54.5	48.0	130	57.0	55	01 150 75	00 16 10	1.177

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

Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

CIRCULAR CUPS WITH BALL VALVE AND SELF-LOCKING SUPPORT

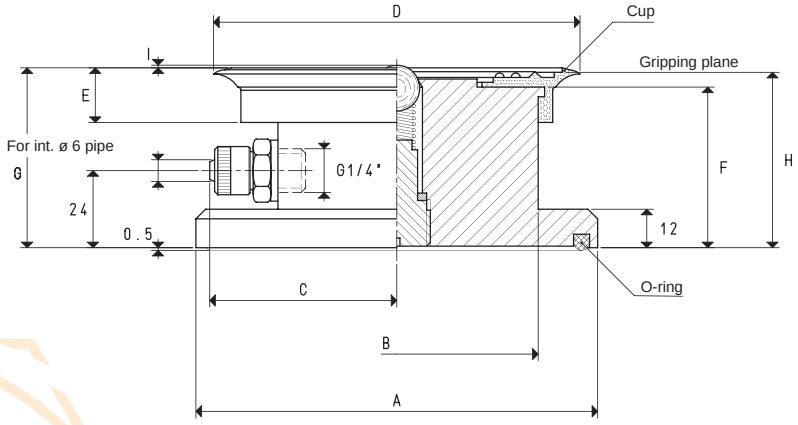
These cups represent a true mobile clamping system.
They are composed of:
- A sturdy anodised aluminium support with a wide surface at the base limited by a seal, whose purpose is to fix it to the bearing surface.
- A standard circular flat cup which is cold-assembled onto the upper part of the support for gripping the load.
- A ball valve that opens up creating vacuum, only when activated by the load to be gripped.
- Two quick couplings for vacuum connection.
The detection of vacuum, for gripping and releasing the support, can be made via three-way vacuum valves or solenoid valves.
All cups with self-locking support of this and other ranges with the gripping plane at the same height can be used simultaneously, even if they are of different types or have different sizes.



SPARE CUPS

Art.	Force	A	B	C	D	E	F	H	N	Weight
	Kg	Ø	Ø	Ø	Ø				Ø	g
01 85 15 *	14.18	68	63	59	85	3	7	17	27	29.7
01 110 10 *	23.74	96	91	87	114	3	8	17	54	44.3
01 150 10 *	45.00	133	125	118	154	4	11	23	64	112.0

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



CUPS WITH BALL VALVE AND SELF-LOCKING SUPPORT

Art.	Force	A	B	C	D	E	F	G	H	I	Cup	O-ring	Weight
	Kg	Ø	Ø		Ø						Art.	Art.	Kg
18 85 15 *	14.5	98	60	41	85	17	49.0	56.0	54.5	1	01 85 15	00 16 06	0.580
18 110 10 *	24.0	125	88	58	114	17	50.0	56.0	54.5	1	01 110 10	00 16 07	1.106
18 150 10 *	45.0	165	120	76	154	23	49.5	57.5	54.5	1	01 150 10	00 16 08	1.926

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

Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

RECTANGULAR CUPS WITH BALL VALVE AND SELF-LOCKING SUPPORT

These cups represent a true mobile clamping system. Sono They are composed of:
- A sturdy anodised aluminium support with a wide surface at the base limited by a seal whose purpose is to fix it to the bearing surface.
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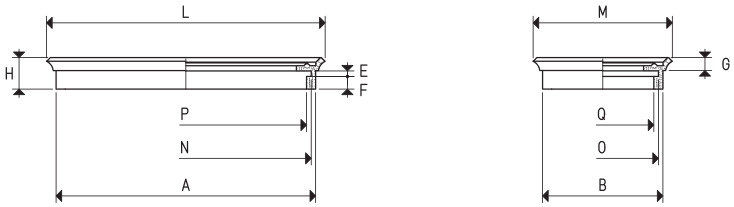
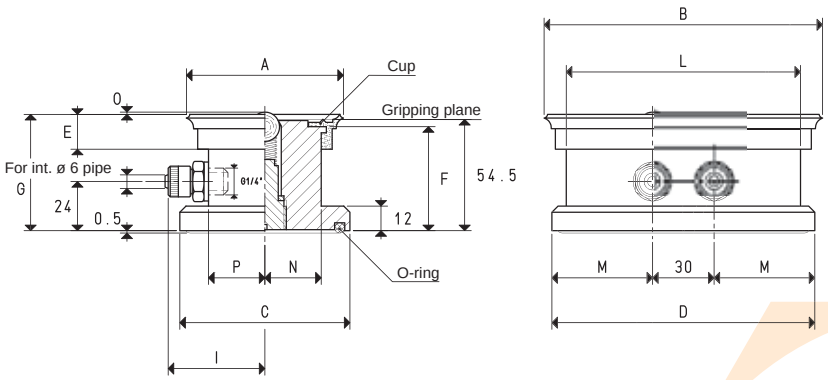


SPARE CUPS

Art.	Force Kg	A	B	E	F	G	H	L	M	N	O	P	Q	Weight g
01 40 75 *	6.7	64	29	3	7.5	6.5	16.0	75	40	59	24	54	19	15.6
01 120 90 *	24.0	107	78	3	7.5	7.5	17.5	117	87	102	73	97	68	38.8
01 150 75 *	25.0	137	62	3	7.5	7.5	16.5	147	72	132	57	127	52	41.2

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



CUPS WITH BALL VALVE AND SELF-LOCKING SUPPORT

Art.	Force Kg	A	B	C	D	E	F	G	I	L	M	N	O	P	Cup Art.	O-ring Art.	Weight Kg
18 40 75 *	6.7	41	76	48	83	16.0	51	56.5	41.5	55	26.5	15.0	2	21.0	01 40 75	00 16 09	0.352
18 120 90 *	24.0	90	120	98	128	17.5	50	57.0	56.0	102	49.0	35.0	1	35.0	01 120 90	00 16 10	1.224
18 150 75 *	25.0	75	150	83	144	16.5	50	57.0	48.0	130	57.0	27.5	1	27.5	01 150 75	00 16 10	1.194

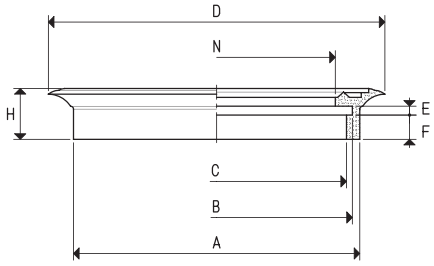
* Complete the code by indicating the compound: A= oil-resistant rubber; N= natural para rubber; S= silicon

3D drawings available at **www.vuototecnica.net**

Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

CIRCULAR CUPS WITH BALL VALVE AND SELF-LOCKING SUPPORT

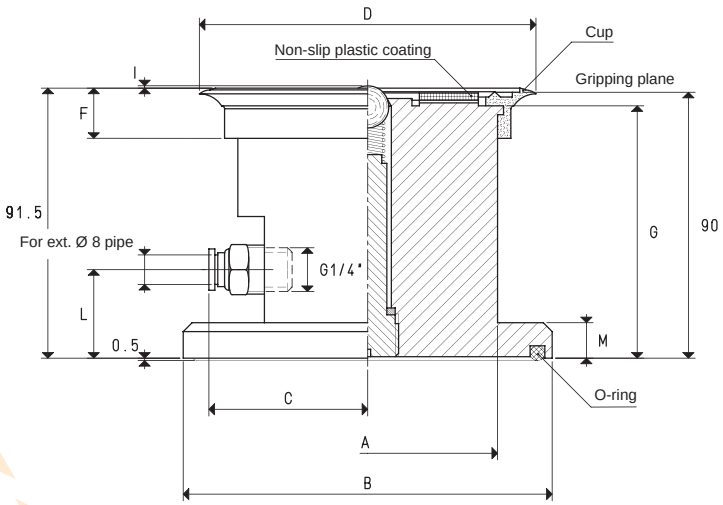
These cups represent a true mobile clamping system.
They are composed of:
- A sturdy anodised aluminium support with a wide surface at the base limited by a seal, whose purpose is to fix it to the bearing surface.
- A standard circular flat cup which is cold-assembled onto the upper part of the support for gripping the load.
- A ball valve that opens up creating vacuum, only when activated by the load to be gripped.
- Two quick couplings for vacuum connection.
The gripping plane of these cups is covered with a special non-slip plastic coating, which is particularly suited for clamping glass and smooth marble.
The detection of vacuum, for gripping and releasing the support, can be made via three-way vacuum valves or solenoid valves.
All cups with self-locking support of this and other ranges with the gripping plane at the same height can be used simultaneously, even if they are of different types or have different sizes.
***Note:** Available with support for mechanical fixing with code 28, instead of 18.*



SPARE CUPS

Art.	Force	A	B	C	D	E	F	H	N	Weight
	Kg	Ø	Ø	Ø	Ø				Ø	g
01 85 15 M *	14.18	68	63	59	85	3	7	17	53	26.2
01 110 10 M *	23.74	96	91	87	114	3	8	17	80	40.1
01 150 10 M *	45.00	133	125	118	154	4	11	23	117	98.3
01 250 20 *	122.60	235	227	220	254	4	11	23	220	188.6

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



CUPS WITH BALL VALVE AND SELF-LOCKING SUPPORT

Art.	Force	A	B	C	D	F	G	I	L	M	Cup	O-ring	Weight
	Kg	Ø	Ø		Ø						Art.	Art.	Kg
18 85 15/90 MT *	14.18	60	98	42	85	17	85.0	1	30	12	01 85 15 M	00 16 06	0.880
18 110 10/90 MT *	23.74	88	125	51	114	17	85.5	1	30	12	01 110 10 M	00 16 07	1.704
18 150 10/90 MT *	45.00	120	165	68	154	23	85.0	1	30	12	01 150 10 M	00 16 08	3.158
18 250 20/90 MT *	122.60	223	270	121	254	23	85.0	1	33	15	01 250 20	00 18 09	10.322

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

Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

RECTANGULAR CUPS WITH BALL VALVE AND SELF-LOCKING SUPPORT

These cups represent a true mobile clamping system.
They are composed of:
- A sturdy anodised aluminium support with a wide surface at the base limited by a seal whose purpose is to fix it to the bearing surface.
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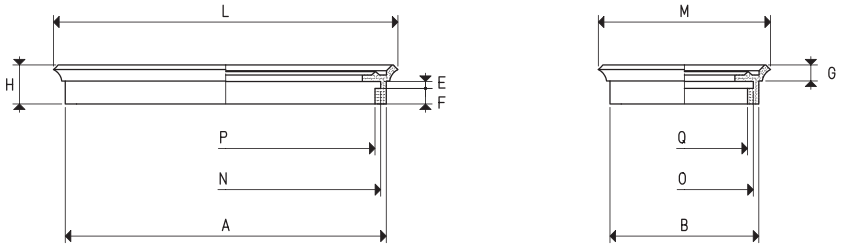
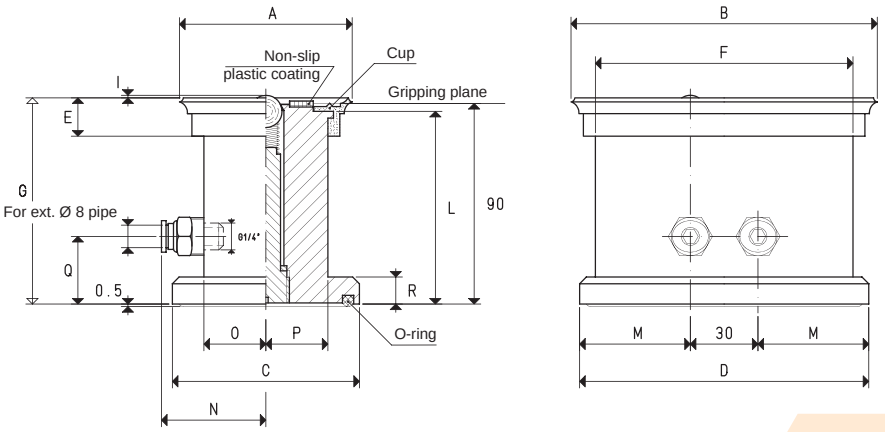
***Note:** Available with support for mechanical fixing with code 28, instead of 18.*



SPARE CUPS

Art.	Force Kg	A	B	E	F	G	H	L	M	N	O	P	Q	Weight g
01 40 75 *	6.7	64	29	3	7.5	6.5	16.0	75	40	59	24	54	19	15.6
01 120 90 *	24.0	107	78	3	7.5	7.5	17.5	117	87	102	73	97	68	38.8
01 150 75 *	25.0	137	62	3	7.5	7.5	16.5	147	72	132	57	127	52	41.2
01 300 80 *	60.0	288	68	3	7.5	7.5	17.5	297	77	284	64	278	58	80.0
01 300 150 *	113.0	288	138	3	7.5	7.5	17.5	297	147	284	134	278	128	90.0

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



CUPS WITH BALL VALVE AND SELF-LOCKING SUPPORT

Art.	Force Kg	A	B	C	D	E	F	G	I	L	M	N	O	P	Q	R	Cup Art.	O-ring Art.	Weight Kg
18 40 75/90 MT *	6.7	41	76	48	83	16.0	55	92.0	2	86.5	26.5	37.0	21.0	15.0	30	17	01 40 75	00 16 09	0.570
18 120 90/90 MT *	24.0	90	120	98	128	17.5	102	92.5	1	85.5	49.0	51.0	35.0	35.0	30	12	01 120 90	00 16 10	1.898
18 150 75/90 MT *	25.0	75	150	83	144	16.5	130	92.5	1	85.5	57.0	43.5	27.5	27.5	30	12	01 150 75	00 16 10	1.924
18 300 80/90 MT *	60.0	80	300	90	310	17.5	284	92.5	1	85.5	140.0	47.0	31.0	31.0	33	15	01 300 80	00 18 10	4.632
18 300 150/90 MT *	113.0	150	300	160	310	17.5	284	92.5	1	85.5	140.0	83.0	67.0	67.0	33	15	01 300 150	00 18 11	9.534

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

Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

CIRCULAR CUPS WITH BALL VALVE AND HIGH SELF-LOCKING SUPPORT

These cups represent a true mobile clamping system. Their distinctive feature, with respect to the previous ones, is their exceptional height.
They are composed of:
- A sturdy anodised aluminium support with a wide surface at the base limited by a seal, whose purpose is to fix it to the bearing surface.
- A standard circular flat cup which is cold-assembled onto the upper part of the support for gripping the load.
- A ball valve that opens up creating vacuum, only when activated by the load to be gripped.
- Two quick couplings for vacuum connection.
The gripping plane of these cups is covered with a special non-slip plastic coating, which is particularly suited for clamping glass and smooth marble.
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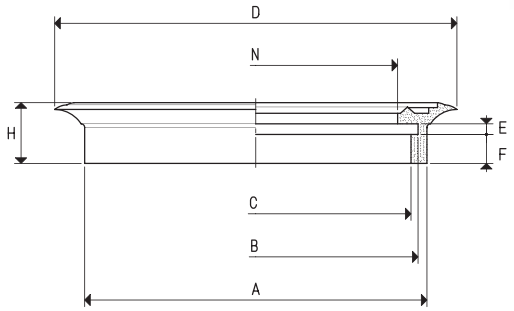
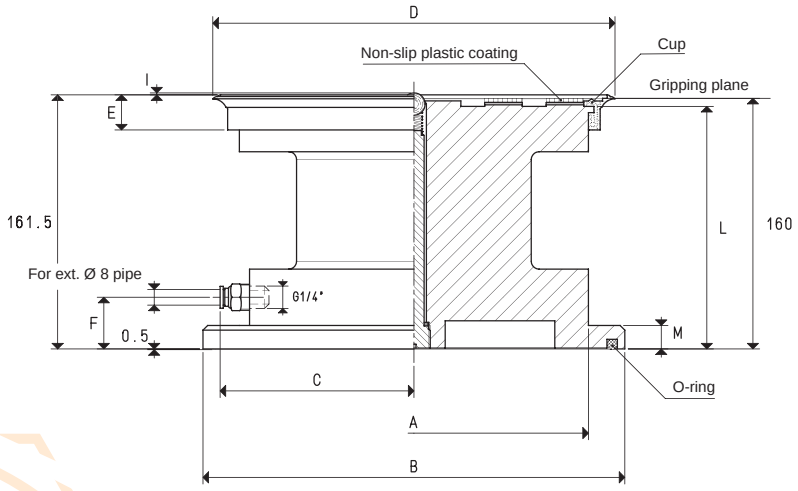
***Note:** Available with support for mechanical fixing with code 28, instead of 18. .*



SPARE CUPS

Art.	Force	A	B	C	D	E	F	H	N	Weight
	Kg	Ø	Ø	Ø	Ø				Ø	g
01 110 10 M *	23.74	96	91	87	114	3	8	17	80	40.1
01 150 10 M *	45.00	133	125	118	154	4	11	23	117	98.3
01 250 20 *	122.60	235	227	220	254	4	11	23	220	188.6

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



CUPS WITH BALL VALVE AND HIGH SELF-LOCKING SUPPORT

Art.	Force	A	B	C	D	E	F	I	L	M	Cup	O-ring	Weight
	Kg	Ø	Ø		Ø						art.	art.	Kg
18 110 10/160 MT *	24.0	88	125	51	114	17	30	1	155.5	12	01 110 10 M	00 16 07	2.986
18 150 10/160 MT *	45.0	120	165	68	154	23	30	1	155.5	12	01 150 10 M	00 16 08	5.042
18 250 20/160 MT *	122.6	223	270	121	254	23	33	1	155.5	15	01 250 20	00 18 09	12.634

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

Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

RECTANGULAR CUPS WITH BALL VALVE AND HIGH SELF-LOCKING SUPPORT

These cups represent a true mobile clamping system. Their distinctive feature, with respect to the previous ones, is their exceptional height.
They are composed of:
- A sturdy anodised aluminium support with a wide surface at the base limited by a seal whose purpose is to fix it to the bearing surface.
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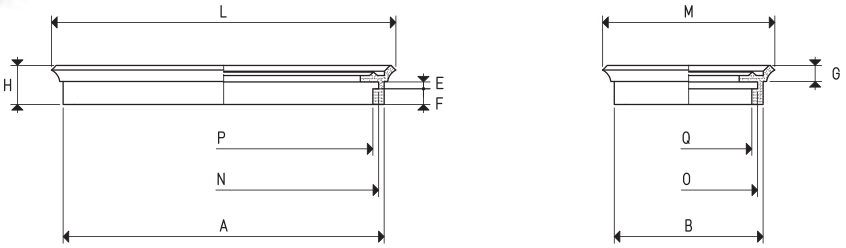
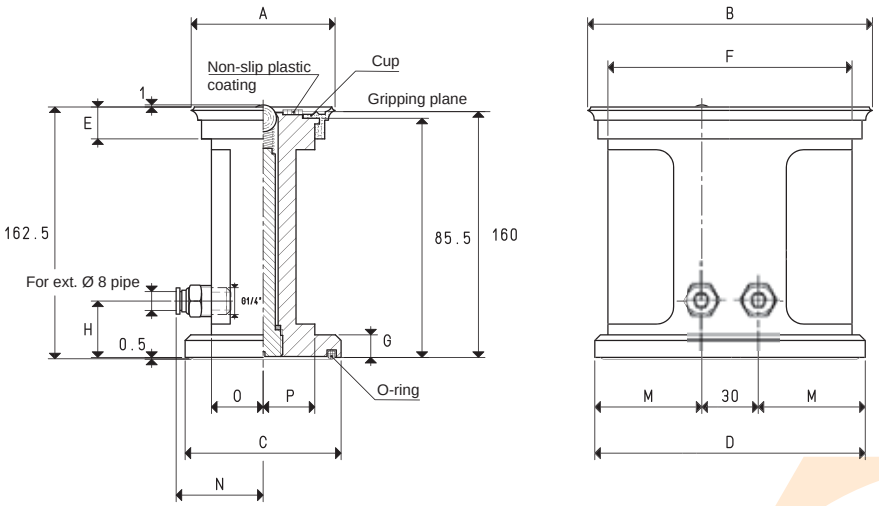


SPARE CUPS

Art.	Force Kg	A	B	E	F	G	H	L	M	N	O	P	Q	Weight g
01 120 90 *	24.0	107	78	3	7.5	7.5	17.5	117	87	102	73	97	68	38.8
01 150 75 *	25.0	137	62	3	7.5	7.5	16.5	147	72	132	57	127	52	41.2
01 300 80 *	60.0	288	68	3	7.5	7.5	17.5	297	77	284	64	278	58	80.0
01 300 150 *	113.0	288	138	3	7.5	7.5	17.5	297	147	284	134	278	128	90.0

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



CUPS WITH BALL VALVE AND HIGH SELF-LOCKING SUPPORT

Art.	Force Kg	A	B	C	D	E	F	G	H	M	N	O	P	Cup Art.	O-ring Art.	Weight Kg
18 120 90/160 MT *	24.0	90	120	98	128	17.5	102	12	30	49.0	51.0	35.0	35.0	01 120 90	00 16 10	3.450
18 150 75/160 MT *	25.0	75	150	83	144	16.5	130	12	30	57.0	43.5	27.5	27.5	01 150 75	00 16 10	3.262
18 300 80/160 MT *	60.0	80	300	90	310	17.5	284	15	33	140	47.0	31.0	31.0	01 300 80	00 18 10	7.906
18 300 150/160 MT *	113.0	150	300	160	310	17.5	284	15	33	140	83.0	67.0	67.0	01 300 150	00 18 11	13.110

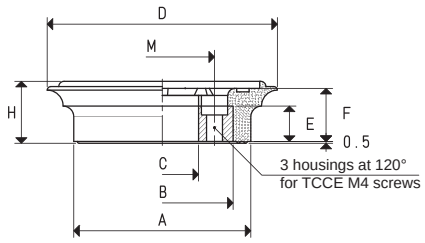
* Complete the code by indicating the compound: A= oil-resistant rubber; N= natural para rubber; S= silicon; BA= stain-resistant Biond

3D drawings available at **www.vuototecnica.net**

Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

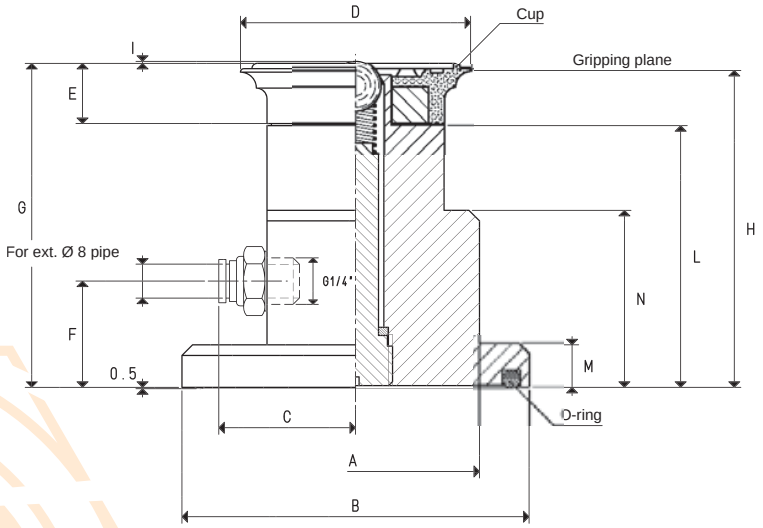
CIRCULAR CUPS WITH BALL VALVE AND SELF-LOCKING SUPPORT, FOR GLASS

Glass machinery manufacturers require increasingly accurate and safe clamping machines. This has led us to the creation of this series of cups.
The specially designed shape of this cup guarantees a firm grip. The other main feature is the utmost precision in the height, whose nominal size has a tolerance of only five hundredths of millimetre.
They are composed of:
- A sturdy anodised aluminium support with a wide surface at the base limited by a seal, whose purpose is to fix it to the bearing surface.
- A standard circular flat cup which is cold-assembled onto the upper part of the support for gripping the load.
- A ball valve that opens up creating vacuum, only when activated by the load to be gripped.
- Two quick couplings for vacuum connection.
The gripping plane of these cups is covered with a special non-slip plastic coating, which is particularly suited for clamping glass and smooth marble.
The detection of vacuum, for gripping and releasing the support, can be made via three-way vacuum valves or solenoid valves.



SPARE CUP

Art.	Force	A	B	C	D	E	F	H	M	Support	Weight
	Kg	Ø	Ø	Ø	Ø				Ø	material	g
08 65 11 A	6.7	50	40	20.5	65	10	15	17.5	29.5	steel	90



CUP WITH BALL VALVE AND SELF-LOCKING SUPPORT

Art.	Force	A	B	C	D	E	F	G	H	I	L	M	N	Cup	O-ring	Weight
	Kg	Ø	Ø		Ø									Art.	Art.	Kg
18 65 11/90 A	6.7	70	98	45	65	17.5	30	92.5	90	1	75	12	50	08 65 11 A	00 16 06	1.090

Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

RECTANGULAR CUPS WITH BALL VALVE AND SELF-LOCKING SUPPORT, FOR GLASS

Glass machinery manufacturers require increasingly accurate and safe clamping machines. This has led us to the creation of this series of cups.
The specially designed shape of this cup guarantees a firm grip. The other main feature is the utmost precision in the height, whose nominal size has a tolerance of only five hundredths of millimetre.
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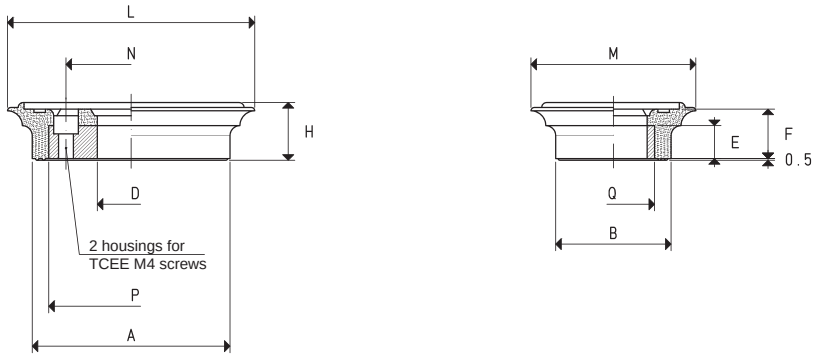
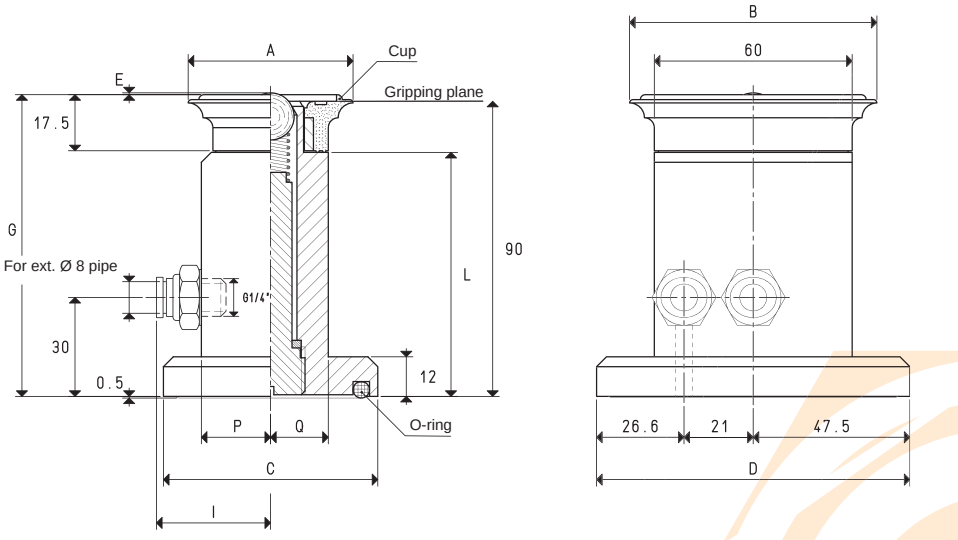
- Two quick couplings for vacuum connection.
The detection of vacuum, for gripping and releasing the support, can be made via three-way vacuum valves or solenoid valves.



SPARE CUP

Art.	Force Kg	A	B	D Ø	E	F	H	L	M	N	P	Q	Support material	Weight g
08 50 75 A	7.5	60	35	20.5	10	15	17.5	75	50	39.5	50	25	steel	92



CUP WITH BALL VALVE AND SELF-LOCKING SUPPORT

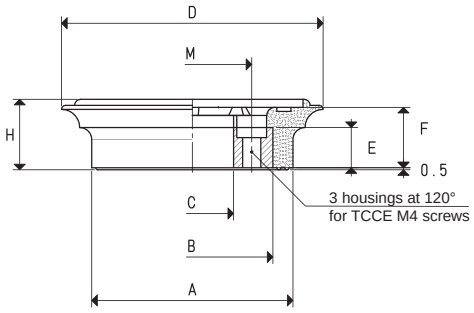
Art.	Force Kg	A	B	C	D	E	G	I	L	P	Q	Cup Art.	O-ring Art.	Weight Kg
18 50 75/90 A	7.5	50	75	65	95	1	92.5	41	75	21	17.5	08 50 75 A	00 16 06	0.762

3D drawings available at **www.vuototecnica.net**

Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

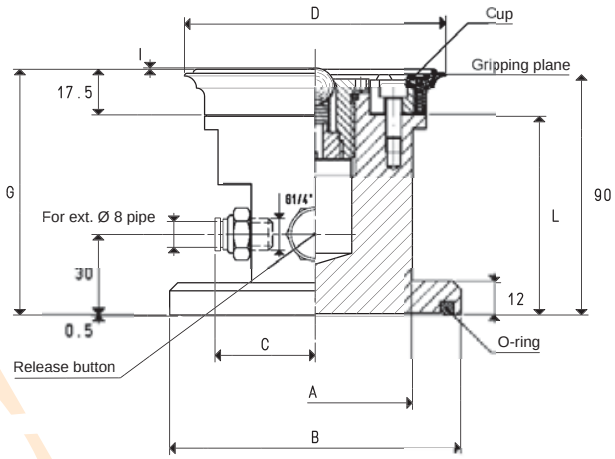
CIRCULAR CUPS WITH BALL VALVE, SELF-LOCKING SUPPORT AND RELEASE BUTTON, FOR GLASS

Glass machinery manufacturers require increasingly accurate and safe clamping machines. This has led us to the creation of this series of cups.
The specially designed shape of this cup guarantees a firm grip. The other main feature is the utmost precision in the height, whose nominal size has a tolerance of only five hundredths of millimetre.
They are composed of:
- A sturdy anodised aluminium support with a wide surface at the base limited by a seal, whose purpose is to fix it to the bearing surface.
- A standard circular flat cup which is cold-assembled onto the upper part of the support for gripping the load.
- A ball valve that opens up creating vacuum, only when activated by the load to be gripped.
- A release button that allows placing the support even with the vacuum inserted.
- Two quick couplings for vacuum connection.
The gripping plane of these cups is covered with a special non-slip plastic coating, which is particularly suited for clamping glass and smooth marble.
The detection of vacuum, for gripping and releasing the support, can be made via three-way vacuum valves or solenoid valves.



SPARE CUP

Art.	Force	A	B	C	D	E	F	H	M	Support	Weight
	Kg	Ø	Ø	Ø	Ø				Ø	material	g
08 85 11 A	12	70	60	40.5	85	10	15	17.5	49.5	steel	92

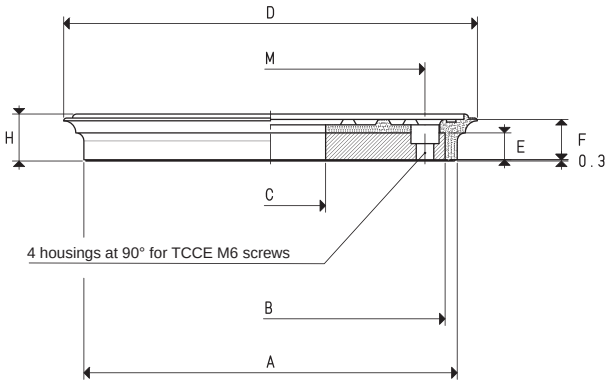


CUP WITH BALL VALVE AND SELF-LOCKING SUPPORT AND RELEASE BUTTON

Art.	Force	A	B	C	D	G	I	L	Cup	O-ring	Weight
	Kg	Ø	Ø		Ø				art.	art.	Kg
21 85 11/90 A	12.0	70	98	42	85	92.5	1	75	08 85 11 A	00 16 06	1.090

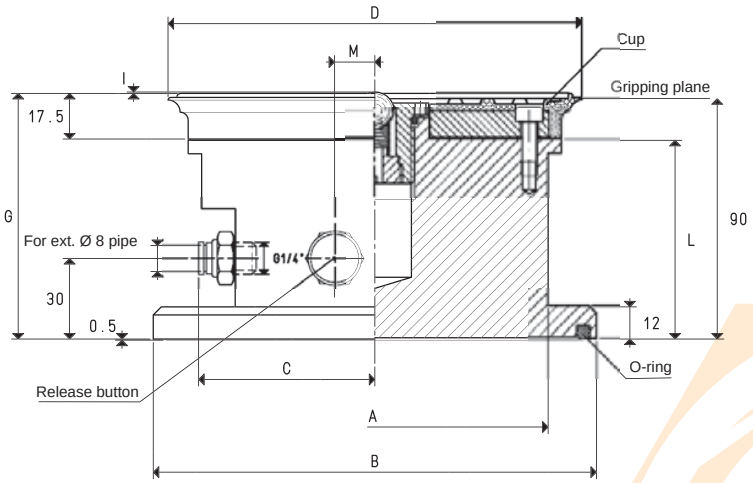
Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

CIRCULAR CUPS WITH BALL VALVE, SELF-LOCKING SUPPORT AND RELEASE BUTTON, FOR GLASS



SPARE CUP

Art.	Force	A	B	C	D	E	F	H	M	Support	Weight
	Kg	Ø	Ø	Ø	Ø				Ø	material	Kg
08 150 11 A	42.7	139	130	41.0	150	10	15	17.5	115.0	steel	1.0



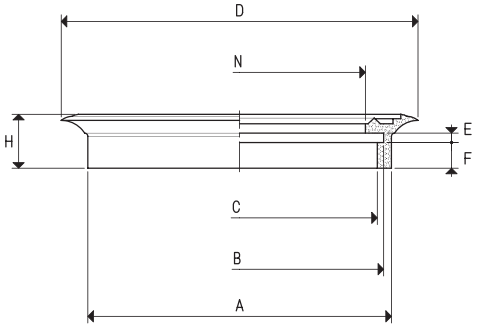
CUP WITH BALL VALVE AND SELF-LOCKING SUPPORT AND RELEASE BUTTON

Art.	Force	A	B	C	D	G	I	L	M	Cup	O-ring	Weight
	Kg	Ø	Ø		Ø					Art.	Art.	Kg
21 150 11/90 A	42.7	129	165	73	150	92.5	1	75	15	08 150 11 A	00 16 08	3.938

Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

CIRCULAR CUPS WITH BALL VALVE, SELF-LOCKING SUPPORT AND RELEASE BUTTON

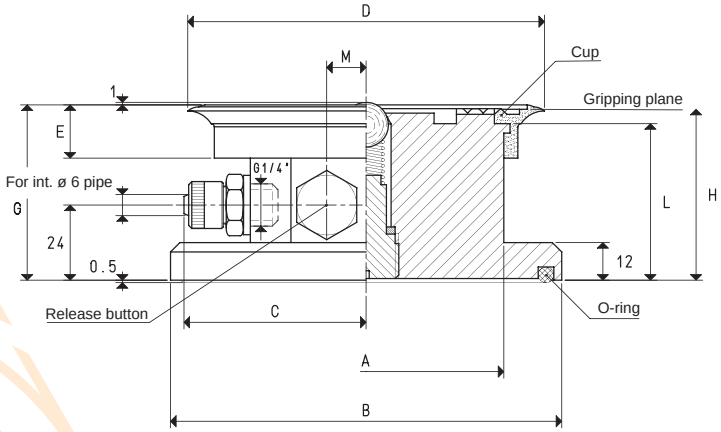
These cups represent a true mobile clamping system.
They are composed of:
- A sturdy anodised aluminium support with a wide surface at the base limited by a seal, whose purpose is to fix it to the bearing surface.
- A standard circular flat cup which is cold-assembled onto the upper part of the support for gripping the load.
- A ball valve that opens up creating vacuum, only when activated by the load to be gripped.
- A release button that allows placing the support even with the vacuum inserted.
- Two quick couplings for vacuum connection.
The detection of vacuum, for gripping and releasing the support, can be made via three-way vacuum valves or solenoid valves.
All cups with self-locking support of this and other ranges with the gripping plane at the same height can be used simultaneously, even if they are of different types or have different sizes.



SPARE CUPS

Art.	Force	A	B	C	D	E	F	H	N	Weight
	Kg	Ø	Ø	Ø	Ø				Ø	g
01 110 10 M *	23.74	96	91	87	114	3	8	17	80	40.1
01 150 10 M *	45.00	133	125	118	154	4	11	23	117	98.3

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



CUPS WITH BALL VALVE, SELF-LOCKING SUPPORT AND RELEASE BUTTON

Art.	Force	A	B	C	D	E	G	H	L	M	Cup	O-ring	Weight
	Kg	Ø	Ø		Ø						Art.	Art.	Kg
21 110 10 *	24	88	125	58	114	17	56.0	54.5	50.0	10	01 110 10 M	00 16 07	1.148
21 150 10 *	45	120	165	76	154	23	57.5	54.5	49.5	28	01 150 10 M	00 16 08	2.042

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

Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

RECTANGULAR CUPS WITH BALL VALVE, SELF-LOCKING SUPPORT AND RELEASE BUTTON

These cups represent a true mobile clamping system.
They are composed of:
- A sturdy anodised aluminium support with a wide surface at the base limited by a seal, whose purpose is to fix it to the bearing surface.
- A standard rectangular flat cup which is cold-assembled onto the upper part of the support for gripping the load.
- A ball valve that opens up creating vacuum, only when activated by the load to be gripped.
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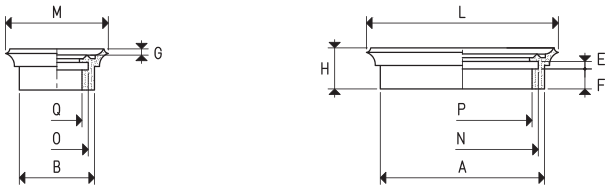
All cups with self-locking support of this and other ranges with the gripping plane at the same height can be used simultaneously, even if they are of different types or have different sizes.

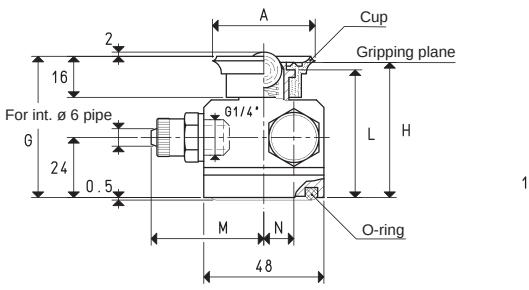


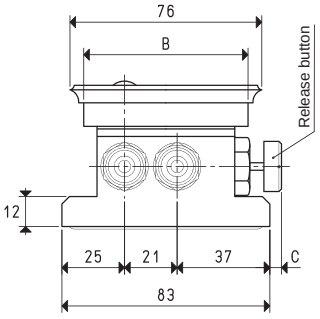
SPARE CUPS

Art.	Force Kg	A	B	E	F	G	H	L	M	N	O	P	Q	Weight g
01 40 75 *	6.7	64	29	3	7.5	6.5	16.0	75	40	59	24	54	19	15.6

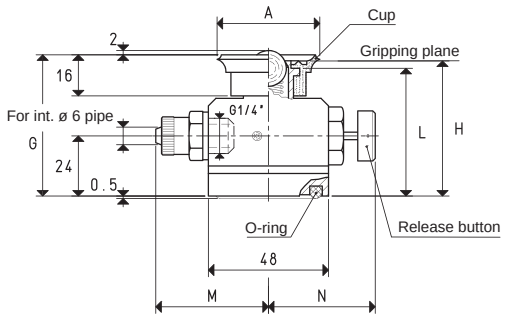
* Complete the code by indicating the compound: A= oil-resistant rubber; N= natural para rubber; S= silicon

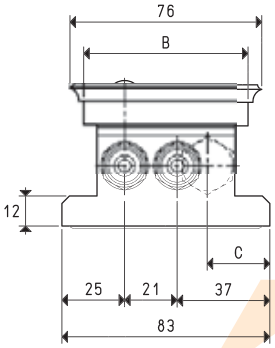
Art. 21 40 75 PL





Art. 21 40 75 PP





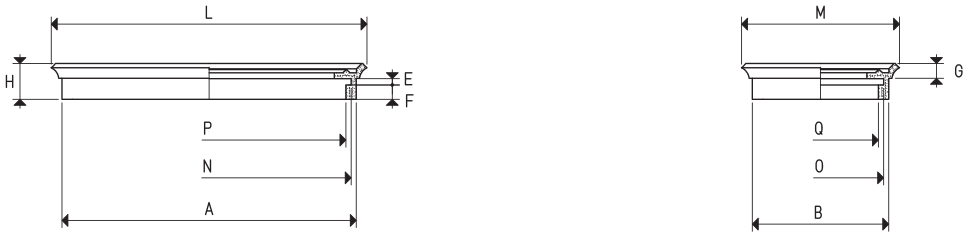
CUPS WITH BALL VALVE, SELF-LOCKING SUPPORT AND RELEASE BUTTON

Art.	Force Kg	A	B	C	G	H	L	M	N	Cup Art.	O-ring Art.	Weight Kg
21 40 75 PL	6.7	41	55	7	56.5	54.5	51	45.5	12	01 40 75	00 16 09	0.460
21 40 75/84 PL *	6.7	41	55	7	86.5	84.0	81	45.5	12	01 40 75	00 16 09	0.702
21 40 75 PP *	6.7	41	55	25	56.5	54.5	51	45.5	45	01 40 75	00 16 09	0.460
21 40 75/ 84 PP *	6.7	41	55	25	86.5	84.0	81	45.5	45	01 40 75	00 16 09	0.702

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

Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

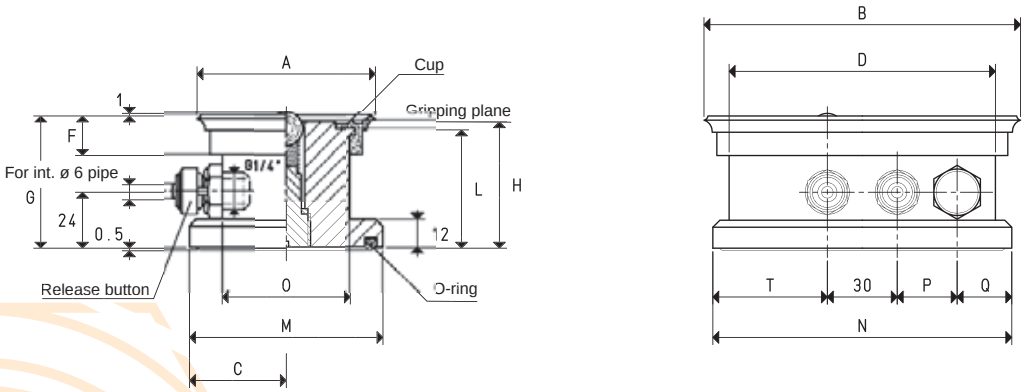
RECTANGULAR CUPS WITH BALL VALVE, SELF-LOCKING SUPPORT AND RELEASE BUTTON



SPARE CUPS

Art.	Force Kg	A	B	E	F	G	H	L	M	N	O	P	Q	Weight g
01 120 90 *	24.0	107	78	3	7.5	7.5	17.5	117	87	102	73	97	68	38.8
01 150 75 *	25.0	137	62	3	7.5	7.5	16.5	147	72	132	57	127	52	41.2

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



CUPS WITH BALL VALVE, SELF-LOCKING SUPPORT AND RELEASE BUTTON

Art.	Force Kg	A	B	C	D	F	G	H	L	M	N	O	P	Q	T	Cup Art.	O-ring Art.	Weight Kg
21 120 90 *	24	90	120	56	102	17.5	57.0	54.5	50	98	128	70	24	25	49	01 120 90	00 16 10	1.320
21 150 75 *	25	75	120	48	130	16.5	57.0	54.5	50	83	144	55	25	32	57	01 150 75	00 16 10	1.236
21 150 75/84 *	25	75	150	48	130	16.5	86.5	84.0	80	83	144	55	25	32	57	01 150 75	00 16 10	1.924

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

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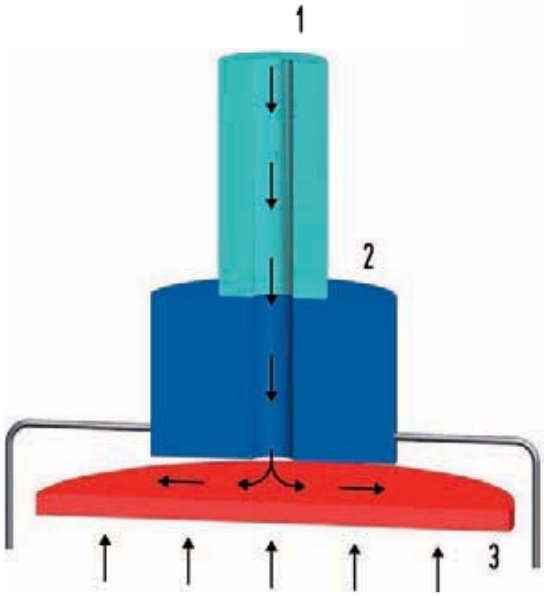
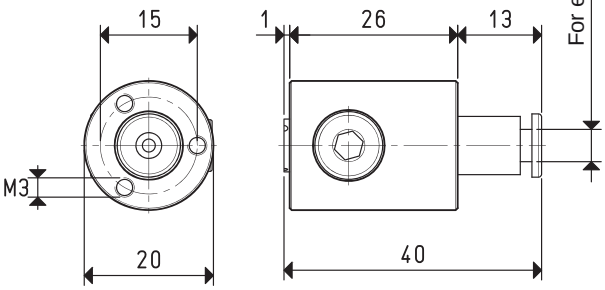
CUPS BASED ON BERNOULLI'S THEOREM

Bernoulli's theorem explains many phenomena, such as the lifting of a plane's wing or of a light disc in front of a tube end from which air flows out quickly.
This apparently paradoxical phenomenon is exploited for manufacturing vacuum gripping systems (vacuum cups) and handling, with no contact, fragile objects, such as semiconductor plates, silica discs, solar cells, precious metal foils, films and whatever needs to be handled with the greatest care.
Our cups based on Bernoulli's principle are made with anodised aluminium, with stainless steel centre thrust disc.
The antistatic silicon spacers, located on the cup gripping plane, prevent transverse movements of the gripped object.
The compressed air supply connections can be axial and radial and the quick coupler for the flexible pipe is included in the package.
The unused holes are closed with brass threaded caps.
On the rear part of the cup there are 3 or 4 threaded holes for fiving it to the machine.



BERNOULLI'S THEOREM
Lifting of a light disc in front of a tube end from which air flows out at high speed:
1) Air duct
2) Body of the device
3) Disc to be lifted



Art.	max. Force g	Transversal Force g	Operating pressure bar (g)	Air consumption Nl/s	Noise level dB(A)	Weight g	Included coupler art.	Spare spacer art.
BEC 20	220	145	5	2.3	66	21	00 BEC 13	00 BEC 10

3D drawings available at **www.vuototecnica.net**

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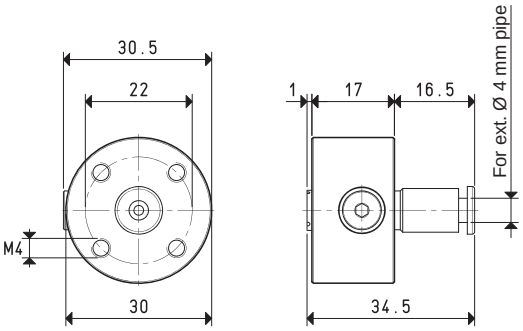
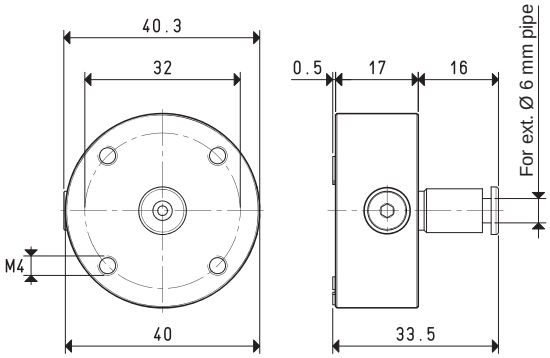
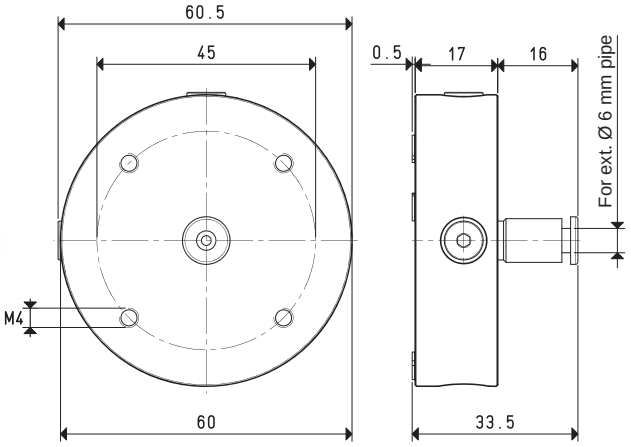


Art.	max. Force	Transversal Force	Operating pressure	Air consumption	Noise level	Weight	Included coupler art.	Spare spacer art.
	g	g	bar (g)	Nl/s	dB(A)	g		
BEC 30	380	250	5	2.5	72	31	00 BEC 13	00 BEC 10



Art.	max. Force	Transversal Force	Operating pressure	Air consumption	Noise level	Weight	Included coupler art.	Spare space art.
	g	g	bar (g)	Nl/s	dB(A)	g		
BEC 40	680	450	5	3.0	74	51	00 BEC 14	00 BEC 09



Art.	max. Force	Transversal Force	Operating pressure	Air consumption	Noise level	Weight	Included coupler art.	Spare space art.
	g	g	bar (g)	Nl/s	dB(A)	g		
BEC 60	900	600	5	4.4	75	121	00 BEC 14	00 BEC 09

3D drawings available at **www.vuototecnica.net**

Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

VACUUM CUP QUESTIONNAIRE

Company

.....

Address

.....

Zip Code / City *Country*

....

Contact person:

.....

Telephone *Fax*

....

E-mail

.....

For a correct dimensioning of a vacuum cup handler, it is important to know and assess the features of the load to be handled.
For this reason, please fill in the following form and send it back to us via fax or e-mail.
This way, we will be able to suggest you the best cups to solve your problem.
A drawing of the product to be handled or the product itself would allow us to offer the best solution.
E-mail: tecnico@vuototecnica.net
Fax: +39 039 5320015

1) In which industrial sector are the cups used?

- ☐ Plastic
- ☐ CD/DVD
- ☐ Electronics
- ☐ Food
- ☐ Packaging
- ☐ Glass/Solar
- ☐ Graphic Arts
- ☐ Bottling
- ☐ Woodworking
- ☐ Marble/Stone
- ☐ Medical/Pharmaceutical
- ☐ Other sectors .....
- ☐ Cosmetics
- ☐ Automotive
- ☐ Ceramic/China

2) With which material is the product to be handled made with?

- ☐ Plastic
- ☐ Sheet metal
- ☐ Glass
- ☐ Marble/Granite
- ☐ Wood
- ☐ Rubber
- ☐ Paper/Cardboard
- ☐ Other.....

3) How is the surface of the product to be handled?

- ☐ Dry
- ☐ Corrugated
- ☐ Damp
- ☐ Flaked
- ☐ Smooth
- ☐ Porous
- ☐ Rough
- ☐ Coarsed
- ☐ Crimpled
- ☐ Bushammered

4) On the gripping surface there are substances such as:

- ☐ Dust
- ☐ Water
- ☐ Oil
- ☐ Solvents
- ☐ Other.....

5) What's the shape of the product to be handled?

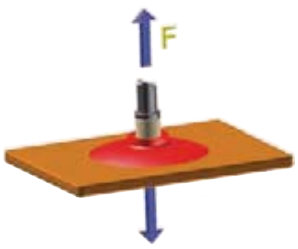
- ☐ Square
- ☐ Uneven
- ☐ Rectangle
- ☐ Other .....
- ☐ Triangle
- ☐ Circle

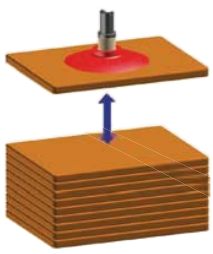
6) What are its dimensions and weight?

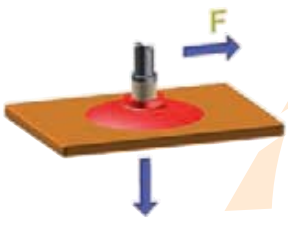
- ☐ Length mm.....
- ☐ Width mm .....
- ☐ Thickness mm .....
- ☐ Weight Kg .....

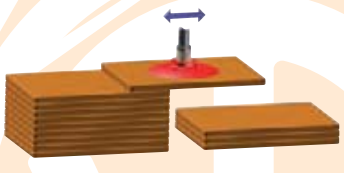
7) In what position will the cups be placed with respect to the lifting force?

- ☐ Horizontal cups, vertical force
- ☐ Horizontal cups, horizontal force





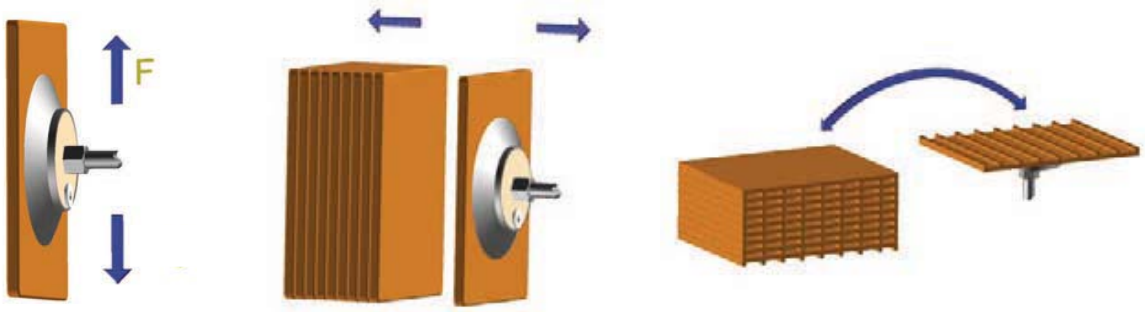




3D drawings available at **www.vuototecnica.net**

VACUUM CUP QUESTIONNAIRE

☐ *Vertical cups, vertical force* ☐ *Flip*



8) What is the temperature of the object to be lifted?

From-..... °C to + ... °C ☐ *Briefly °C .....* ☐ *Continuously °C.....*

9) Other technical data

☐ *Gripping time sec .....* ☐ *Cycle time sec .....* ☐ *Acceleration m/s²* .....

10) At what height above the sea level will the vacuum cup handler be installed?

☐ *m .....*

11) By which means would you like the vacuum to be created?

☐ *Electric vacuum cup (dry or lubricated)*
☐ *single-stage pneumatic vacuum generator*
☐ *Side channel blowers*
☐ *Multi-stage pneumatic vacuum generator*

12) Vacuum cup plant already in operation

☐ *Manufacturer.....* ☐ *Country.....*

13) Previously used vacuum cup models

☐ *Manufacturer.....* ☐ *Code .....*

14) Estimated annual amount and required delivery period

☐ *Approx. nr ..... pieces* ☐ *Set period.....*

15) Gripping trials and samples

We can carry out gripping and handling trials free of charge, on product samples you provide us. Alternatively, you can request vacuum cup samples to carry out the trials at your premises.

16) Contacts

☐ *Would you like to be contacted? Yes ☐ No ☐*
☐ *Are you interested in a visit? Yes ☐ No ☐ If so, in which date?.....*