# FLAT CIRCULAR CUPS WITH SUPPORT

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

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

The cleats on the inside of these cups, along with reducing the volume of air to be sucked, create a perfect supporting surface which prevents any gripping surface deformation as well as the vertically lifted load from slipping. These cups can be cold-assembled, with no adhesives, onto their anodised aluminium support and locked by the ring nut.

These cups are extremely easy to replace; for the spare part, in fact, all you have to do is request the cup indicated in the table in the desired compound.
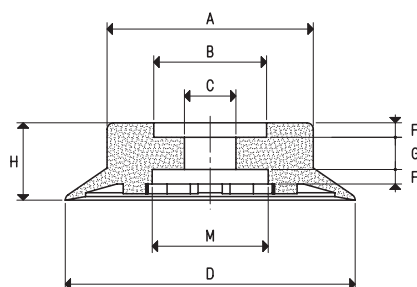
CUPS

| Art.	Force	A	B	C	D	F	G	H	M
	Kg	Ø	Ø	Ø	Ø				Ø
01 76 24 *	11.33	54	35	16	76	4.5	10	24	36
01 90 24 *	15.89	64	35	16	90	4.5	10	24	36
01 110 24 *	23.74	79	35	16	110	4.5	10	24	36
01 150 36 *	45.00	98	70	16	150	6.0	17	36	70

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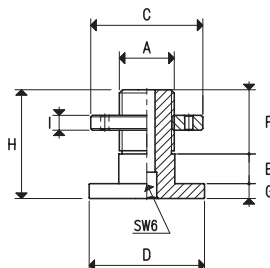
SUPPORTS

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

Note: By ordering the support, the ring nut will be automatically provided
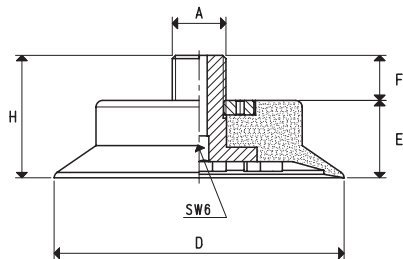
CUPS WITH SUPPORT

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

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

Conversion ratio: inch $= \dfrac{mm}{25.4}$; pounds $= \dfrac{g}{453.6} = \dfrac{Kg}{0.4536}$ GAS - NPT thread adapters available at page 1.117
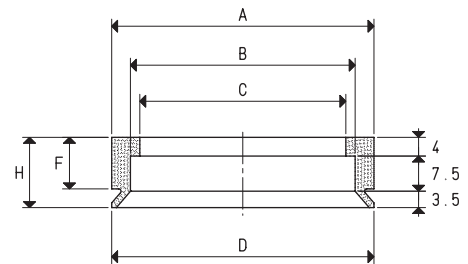
FLAT CIRCULAR CUPS WITH SUPPORT

The cups described in this page has been designed for gripping soft drink cans. They can obviously be also used for gripping other objects with flat smooth or slightly rough surfaces. The shape of its lip allows a firm grip of the load to be handled, eliminating any oscillation and reducing the air volume contained within, thus allowing a quicker grip and release. These cups can be cold-assembled, with no adhesives, onto their anodised aluminium support equipped with a threaded hole in the centre to allow their fastening to the machine. These cups are extremely easy to replace; for the spare part, in fact, all you have to do is request the cup indicated in the table in the desired compound.

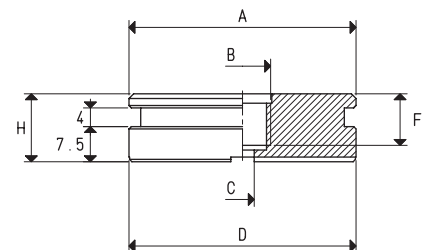### CUP

Art.	Force	A	B	C	D	F	H
	Kg	Ø	Ø	Ø	Ø		
01 56 15 *	6.15	56	48	44	56	11	15

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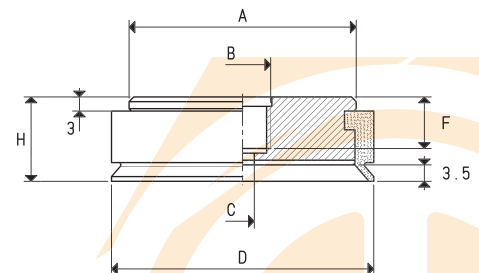
SUPPORT

Art.	A	B	C	D	F	H	Support	Cup	Weight
	Ø	Ø	Ø	Ø			material	art.	g
00 08 83	48.5	M12	5	48.5	11	14.5	aluminium	01 56 15	67.4

CUPS WITH SUPPORT

Art.	Force	A	B	C	D	F	H	Cup	Support.	Weight
	Kg	Ø	Ø	Ø	Ø			Art.	Art.	g
08 56 15 *	6.15	48.5	M12	5	56	11	18	01 56 15	00 08 83	78

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

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

FLAT CIRCULAR CUPS WITH SUPPORT

These cups feature a particularly thin and soft lip, which allows it to grip very rough surfaces. Its supporting surface with cleats guarantees a firm grip on the load to be handled. These cups have been specially designed for gripping ceramic tiles with smooth, rough and non-slip surfaces, although, due to their features, they can also be used for handling glass, marble and cement manufactures. These cups can be cold-assembled, with no adhesives, onto their anodised aluminium support equipped with a threaded hole in the centre to allow their fastening to the machine. These cups are extremely easy to replace; for the spare part, in fact, all you have to do is request the cup indicated in the table in the desired compound
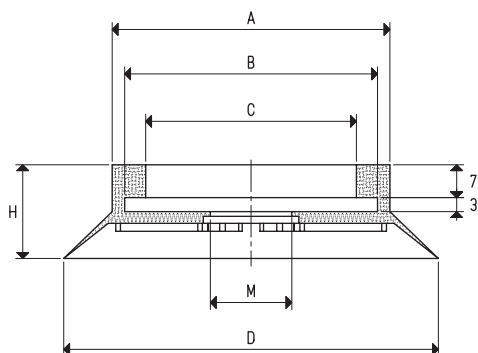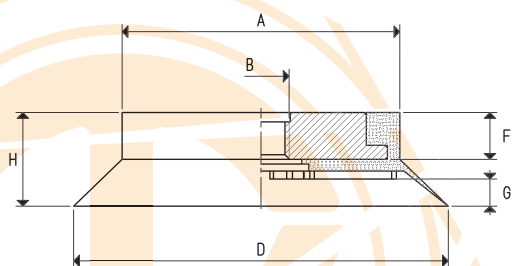
CUPS

Art.	Force	A	B	C	D	H	M
	Kg	Ø	Ø	Ø	Ø		Ø
01 80 20 *	12.56	58	54	45	80	20	17

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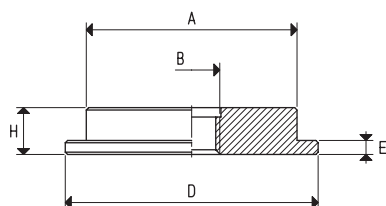
SUPPORTS

Art.	A	B	D	E	H	Support material	Cup art.	Weight
	Ø	Ø	Ø					g
00 08 126	45	M12	54	3	10	aluminium	01 80 20	45.5
00 08 143	45	G1/2"	54	3	10	aluminium	01 80 20	41.5

CUPS WITH SUPPORTS

Art.	Force	A	B	D	F	G	H	Cup Art.	Support Art.	Weight
	Kg	Ø	Ø	Ø						g
08 80 20 *	12.56	58	M12	80	10	6	20	01 80 20	00 08 126	70.7
08 80 20 1/2" *	12.56	58	G1/2"	80	10	6	20	01 80 20	00 08 143	66.7

* 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

FLAT CIRCULAR CUPS WITH SUPPORT

These cups have been designed, in particular, for handling metal sheets, glass, wooden panels, marble granite and other similar materials.

The shape of its lip allows a firm grip of the load to be handled, eliminating any oscillation and reducing the air volume contained within, thus allowing a quicker grip and release.

These cups are provided with cleats which, besides avoiding the load to bend in correspondence of the gripping point, also have the purpose to increase the friction surface with the vertically lifted load, preventing it from slipping.

They are normally available in the three standard compounds, but can be supplied in special compounds and in a minimum amount to be defined in the order, upon request.

These cups can be cold-assembled, with no adhesives, on their anodised aluminium support equipped with a threaded hole in the centre to allow its fastening to the machine and, upon request, it can be supplied with a side hole with gas thread for the suction fitting.

These cups are extremely easy to replace; for the spare part, in fact, all you have to do is request the cup indicated in the table in the desired compound.
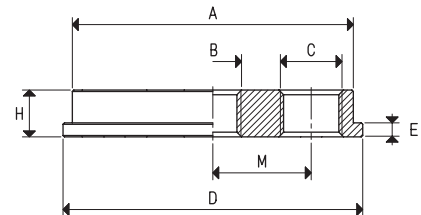
CUPS

Art.	Force	A	B	C	D	E	F	H	M	N	O
	Kg	Ø	Ø	Ø	Ø					Ø	Ø
01 65 15 *	8.29	68	63	59	65	3	7	17	--	27	--
01 65 16 *	8.29	68	63	59	65	3	7	17	21	27	4.5

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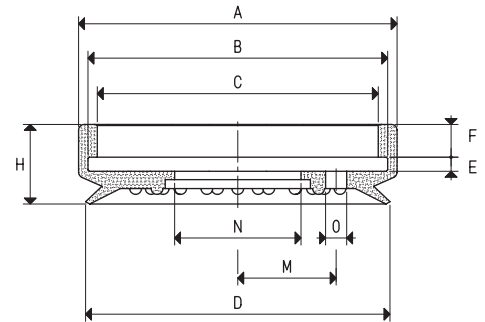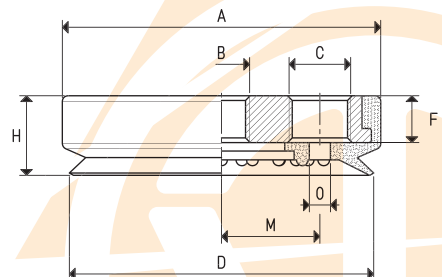
SUPPORTS

Art.	A	B	C	D	E	H	M	Cup art.	Support material	Weight
	Ø	Ø	Ø	Ø						g
00 08 32	60	M12	--	64	3	10	--	01 65 15	aluminium	80.6
00 02 36	60	M8	G1/4"	64	3	10	21	01 65 16	aluminium	78.1
00 06 13	60	M12	G1/4"	64	3	10	21	01 65 16	aluminium	77.1

CUPS WITH SUPPORTS

| Art.	Force	A	B	C	D	F	H	M	O	Cup Art.	Support Art.	Weight
	Kg	Ø	Ø	Ø	Ø				Ø			g
08 65 15 *	8.29	69	M12	--	65	10	17	--	--	01 65 15	00 08 32	102.0
08 65 16 *	8.29	69	M8	G1/4"	65	10	17	21	4.5	01 65 16	00 02 36	100.0
08 65 17 *	8.29	69	M12	G1/4"	65	10	17	21	4.5	01 65 16	00 06 13	98.5

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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

FLAT CIRCULAR CUPS WITH SUPPORT
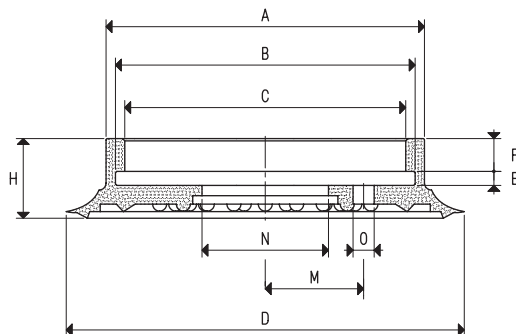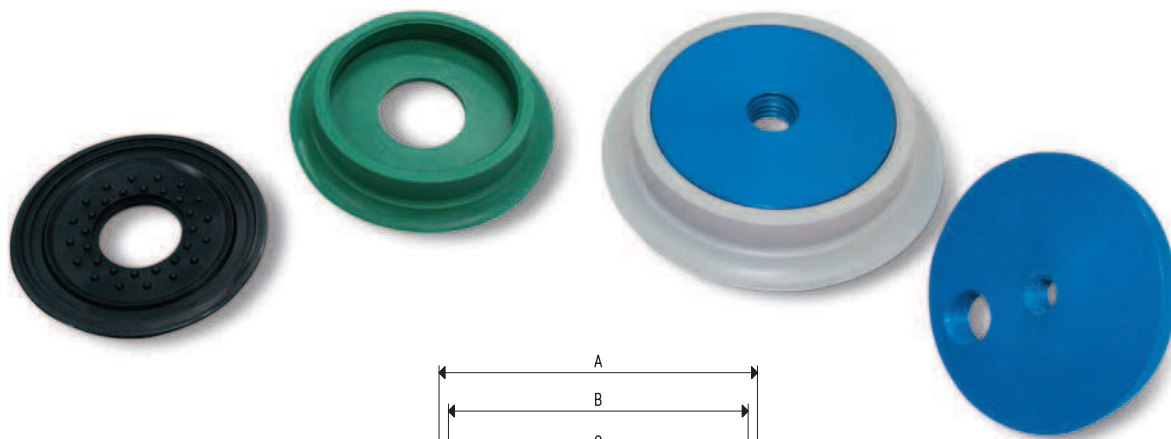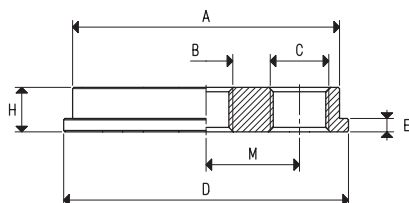

CUPS

| Art.	Force	A	B	C	D	E	F	H	M	N	O
	Kg	Ø	Ø	Ø	Ø					Ø	Ø
01 85 15 *	14.18	68	63	59	85	3	7	17	--	27	--
01 85 16 *	14.18	68	63	59	85	3	7	17	21	27	4.5

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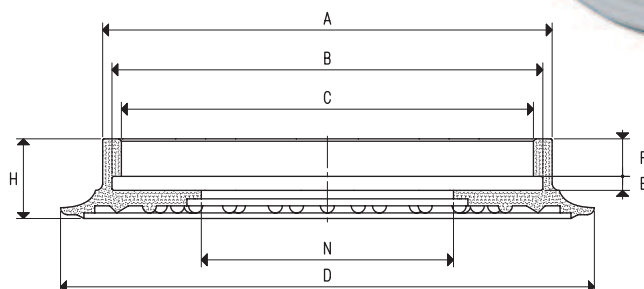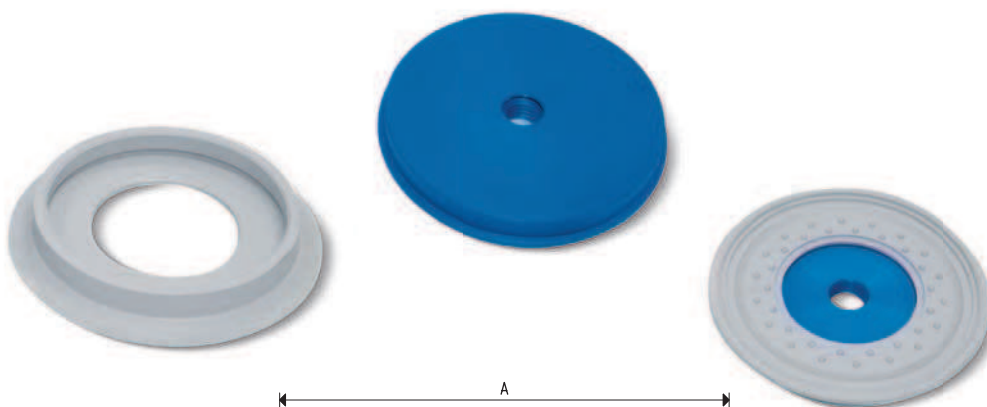
SUPPORTS

Art.	A	B	C	D	E	H	M	Cup art.	Support material	Weight g
	Ø	Ø	Ø	Ø						
00 08 32	60	M12	--	64	3	10	--	01 85 15	aluminium	80.6
00 08 234	60	G1/2"	--	64	3	10	--	01 85 15	aluminium	78.3
00 08 233	60	G3/4"	--	64	3	10	--	01 85 15	aluminium	77.3
00 02 36	60	M8	G1/4"	64	3	10	21	01 85 16	aluminium	78.1
00 06 13	60	M12	G1/4"	64	3	10	21	01 85 16	aluminium	77.1
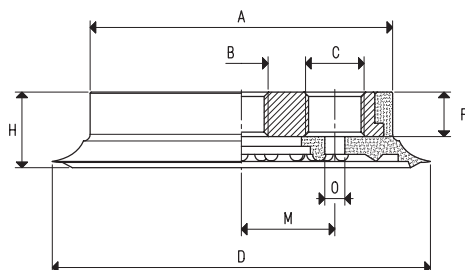
CUPS WITH SUPPORT

Art.	Force	A	B	C	D	F	H	M	O	Cup Art.	Support Art.	Weight g
	Kg	Ø	Ø	Ø	Ø				Ø			
08 85 15 *	14.18	69	M12	--	85	10	17	--	--	01 85 15	00 08 32	110.3
08 85 15 1/2" *	14.18	69	G1/2"	--	85	10	17	--	--	01 85 15	00 08 234	108.0
08 85 15 3/4" *	14.18	69	G3/4"	--	85	10	17	--	--	01 85 15	00 08 233	107.0
08 85 16 *	14.18	69	M8	G1/4"	85	10	17	21	4.5	01 85 16	00 02 36	107.7
08 85 17 *	14.18	69	M12	G1/4"	85	10	17	21	4.5	01 85 16	00 06 13	106.7

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

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CUPS

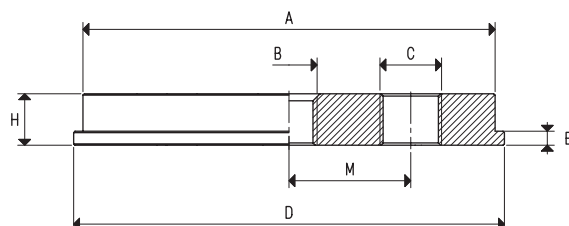| Art.	Force	A	B	C	D	E	F	H	N
	Kg	Ø	Ø	Ø	Ø				Ø
01 110 10 *	23.74	96	91	87	114	3	8	17	54

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

SUPPORTS

Art.	A	B	C	D	E	H	M	Cup art.	Support material	Weight g
	Ø	Ø	Ø	Ø						
00 08 33	88	M12	--	92	3	11	--	01 110 10	aluminium	188.9
00 02 37	88	M8	G1/4"	92	3	11	26	01 110 10	aluminium	188.8
00 06 14	88	M12	G1/4"	92	3	11	26	01 110 10	aluminium	185.8
00 08 123	88	G3/8"	--	92	3	11	--	01 110 10	aluminium	186.1
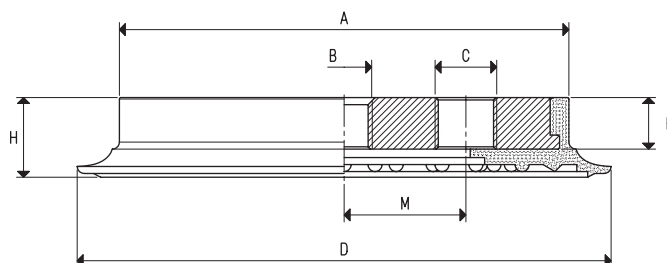
CUPS WITH SUPPORT

Art.	Force	A	B	C	D	F	H	M	Cup Art.	Support Art.	Weight g
	Kg	Ø	Ø	Ø	Ø						
08 110 10 *	23.74	97	M12	--	114	11	17	--	01 110 10	00 08 33	233.2
08 110 11 *	23.74	97	M8	G1/4"	114	11	17	26	01 110 10	00 02 37	233.1
08 110 12 *	23.74	97	M12	G1/4"	114	11	17	26	01 110 10	00 06 14	230.1
08 110 13 *	23.74	97	G3/8"	--	114	11	17	--	01 110 10	00 08 123	230.4

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

Conversion ratio: inch = $\dfrac{mm}{25.4}$; pounds = $\dfrac{g}{453.6} = \dfrac{Kg}{0.4536}$ GAS - NPT thread adapters available at page 1.117

FLAT CIRCULAR CUPS WITH SUPPORT
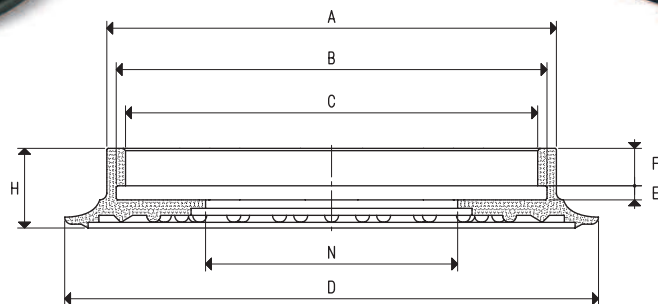
CUPS

Art.	Force	A	B	C	D	E	F	H	N
	Kg	Ø	Ø	Ø	Ø				Ø
01 150 10 *	45.00	133	125	118	154	4	11	23	64

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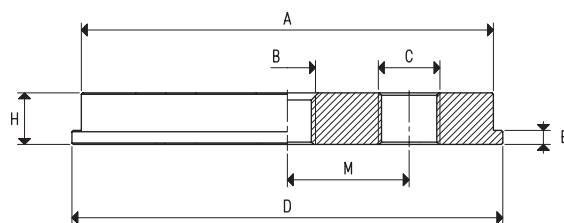
SUPPORTS

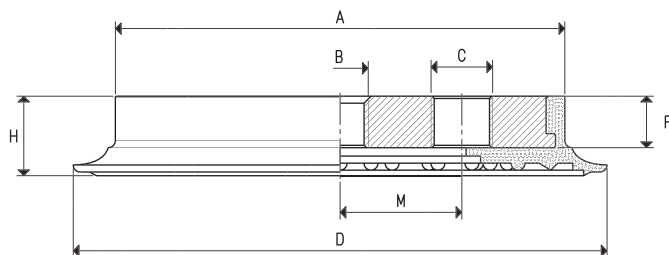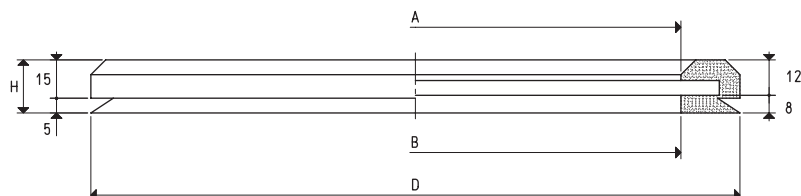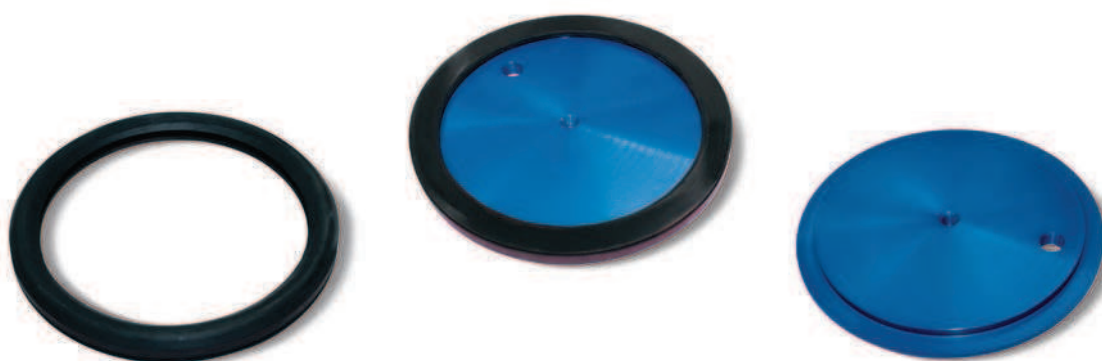| Art.	A	B	C	D	E	H	M	Cup	Support	Weight
	Ø	Ø	Ø	Ø				art.	material	g
00 08 35	120	M12	--	127	4	15	--	01 150 10	aluminium	471.3
00 08 107	120	M12	G3/8"	127	4	15	30	01 150 10	aluminium	476.9
00 08 119	120	G3/8"	--	127	4	15	--	01 150 10	aluminium	478.9
00 08 145	120	G3/8"	G3/8"	127	4	15	27	01 150 10	aluminium	471.9
00 06 15	120	M12	G1/4"	127	4	15	30	01 150 10	aluminium	476.3

CUPS WITH SUPPORT

Art.	Force	A	B	C	D	F	H	M	Cup	Support	Weight
	Kg	Ø	Ø	Ø	Ø				Art.	Art.	g
08 150 10 *	45.00	135	M12	--	154	15	23	--	01 150 10	00 08 35	583.3
08 150 12 *	45.00	135	M12	G3/8"	154	15	23	30	01 150 10	00 08 107	588.9
08 150 13 *	45.00	135	G3/8"	--	154	15	23	--	01 150 10	00 08 119	590.9
08 150 14 *	45.00	135	G3/8"	G3/8"	154	15	23	27	01 150 10	00 08 145	583.9
08 150 16 *	45.00	135	M12	G1/4"	154	15	23	30	01 150 10	00 06 15	588.3

* Complete the code indicating the compound: A= oil-resistant rubber; N= natural para rubber; S= silicon
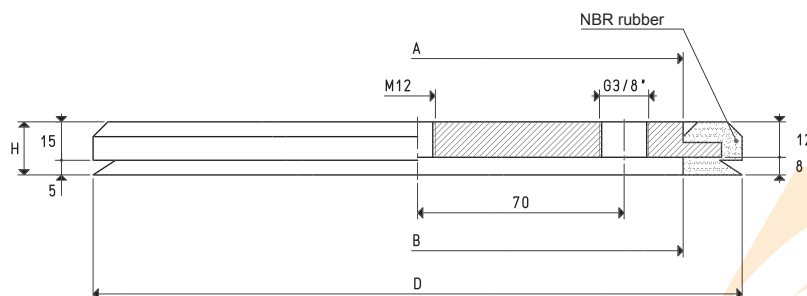
Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$ GAS - NPT thread adapters available at page 1.117

CUPS

Art.	Force	A	B	D	H	Compound
	Kg	Ø	Ø	Ø		
01 220 10 A	78.5	180	180	220	20	oil-resistant rubber
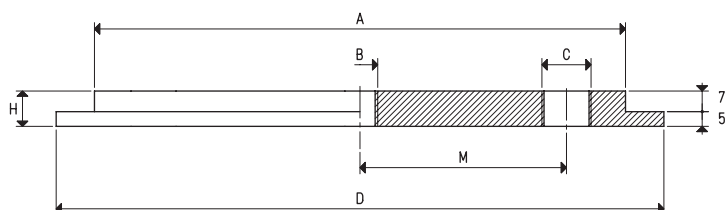
SUPPORTS

Art.	A	B	C	D	H	M	Support	Cup	Weight
	Ø	Ø	Ø	Ø			material	art.	Kg
00 08 37	180	M12	G3/8"	206	12	70	aluminium	01 220 10 A	0.95

CUPS WITH SUPPORT

Art.	Force	A	B	D	H	Cup	Support	Weight
	Kg	Ø	Ø	Ø		Art.	Art.	Kg
08 220 10 A	78.5	180	180	220	20	00 08 37	01 220 10 A	1.12

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

FLAT CIRCULAR CUPS WITH SUPPORT
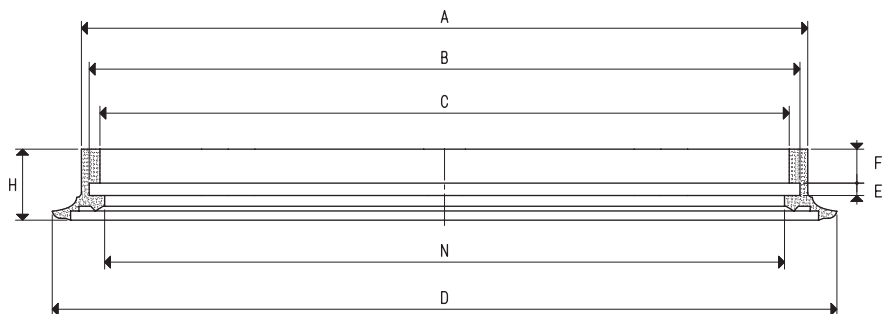
CUPS

Art.	Force	A	B	C	D	E	F	H	N
	Kg	Ø	Ø	Ø	Ø				Ø
01 250 20 *	122.60	235	227	220	254	4	11	23	220

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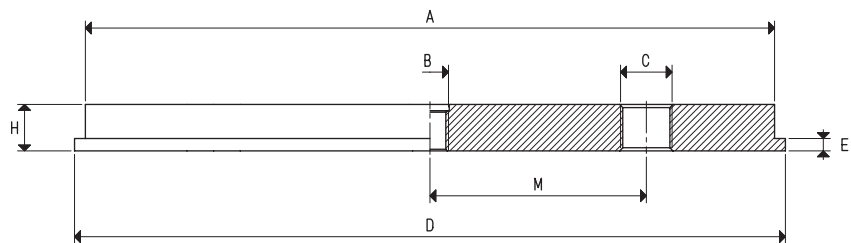
SUPPORTS

Art.	A	B	C	D	E	H	M	Cup art.	Support material	Weight
	Ø	Ø	Ø	Ø						Kg
00 08 115	223	M12	G3/8"	230	4	15	70	01 250 20	aluminium	1.65
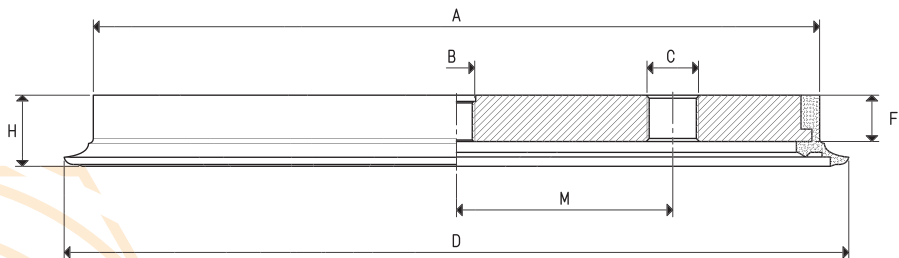
CUPS WITH SUPPORT

Art.	Force	A	B	C	D	F	H	M	Cup Art.	Support Art.	Weight
	Kg	Ø	Ø	Ø	Ø						Kg
08 250 20 *	122.60	237	M12	G3/8"	254	15	23	70	01 250 20	00 08 115	1.78

* 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