

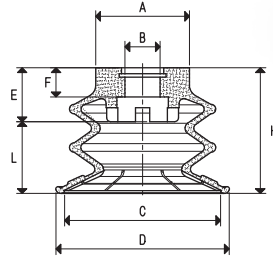


## TWO BELLOW SUCTION CUPS FOR HEAVY-DUTY PACKAGING

Specifically designed suction cups for tripping and handling particularly heavy boxes and cardboard packaging in general. Their thick, sturdy lip absorbs tears and sudden accelerations, typical of robotised movements. The double bellows enables improved adaptability to the gripping surface, even if not perfectly perpendicular to the axis of the suction cup, and can recover evident unevenness of the loads to be lifted.

The supports, all made of anodized aluminium, are equipped with a male or female central threaded pin to allow suctioning and clamping to the automatism. The suction cups can be fitted on them without the aid of adhesives.

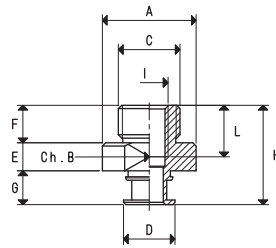
To replace, simply request the single suction cup indicated in the table in the desired compound.



### CUPS

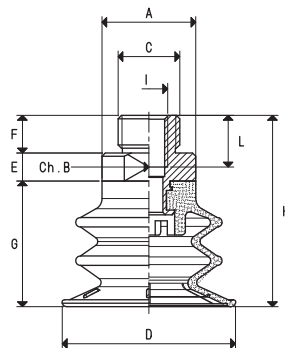
Art.	Force Kg	Volume cm <sup>3</sup>	A Ø	B Ø	C Ø	D Ø	E	F	H	L	Bellow stroke mm
<b>01 35 27 *</b>	2.26	7.3	20	7.5	34	37	11.5	6.2	27	15.5	13
<b>01 52 40 *</b>	5.31	25.2	27	11.5	52	55	16.0	8.2	39	23.0	20

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



### MALE SUPPORTS

Art.	A Ø	B	C Ø	D Ø	E	F	G	H	I	L	Support material	Cup art.	Weight g
<b>00 08 394</b>	20	17	G1/8"	11	6.0	8	7.2	21.2	M5	8	aluminium	01 35 27	6.2
<b>00 08 395</b>	27	20	G1/8"	15	7.5	8	9.2	24.7	M5	8	aluminium	01 52 40	13.2
<b>00 08 366</b>	20	17	G1/4"	11	6.0	8	7.2	21.2	M8	11	aluminium	01 35 27	6.2
<b>00 08 364</b>	27	20	G1/4"	15	7.5	8	9.2	24.7	M8	11	aluminium	01 52 40	13.2



### CUPS WITH MALE SUPPORT

Art.	Force Kg	A Ø	B	C Ø	D Ø	E	F	G	H	I	L	Cup art.	Support art.	Weight g
<b>08 35 27 1/8 *</b>	2.26	20	17	G1/8"	37	6.0	8	27	41.0	M5	8	01 35 27	00 08 394	13.0
<b>08 52 40 1/8 *</b>	5.31	27	20	G1/8"	55	7.5	8	39	54.5	M5	8	01 52 40	00 08 395	34.5
<b>08 35 27 *</b>	2.26	20	17	G1/4"	37	6.0	8	27	41.0	M8	11	01 35 27	00 08 366	12.9
<b>08 52 40 *</b>	5.31	27	20	G1/4"	55	7.5	8	39	54.5	M8	11	01 52 40	00 08 364	34.3

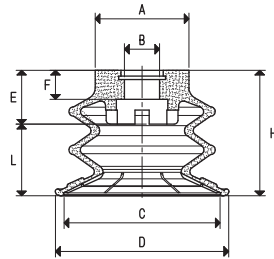
\* Complete the code indicating the compound: A= oil-resistant rubber; N= natural para rubber; S= silicon

Note. The force of the suction cups shown in the table represents 1/3 of the value of the theoretical force calculated at a vacuum degree of -75 kPa and a safety factor 3.

Conversion ratio: N (newton) = Kg x 9.81 (G-force);  $\text{inch} = \frac{\text{mm}}{25.4}$ ;  $\text{pounds} = \frac{\text{g}}{453.6} = \frac{\text{Kg}}{0.4536}$  GAS-NPT thread adapters available at page 1.125



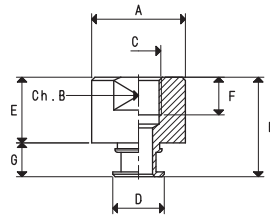
# BELLOW SUCTION CUPS WITH FEMALE SUPPORTS



## CUPS

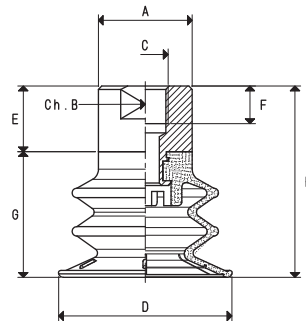
Art.	Force Kg	Volume cm <sup>3</sup>	A Ø	B Ø	C Ø	D Ø	E	F	H	L	Bellow stroke mm
<b>01 35 27 *</b>	2.26	7.3	20	7.5	34	37	11.5	6.2	27	15.5	13
<b>01 52 40 *</b>	5.31	25.2	27	11.5	52	55	16.0	8.2	39	23.0	20

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



## FEMALE SUPPORTS

Art.	A Ø	B	C Ø	D Ø	E	F	G	H	Support material	Cup art.	Weight g
<b>00 08 396</b>	20	17	G1/8"	11	14	8	7.2	21.2	aluminium	01 35 27	9.7
<b>00 08 397</b>	27	20	G1/8"	15	14	8	9.2	23.2	aluminium	01 52 40	20.0
<b>00 08 392</b>	20	17	G1/4"	11	14	10	7.2	21.2	aluminium	01 35 27	7.8
<b>00 08 393</b>	27	20	G1/4"	15	14	10	9.2	23.2	aluminium	01 52 40	18.1



## CUPS WITH FEMALE SUPPORT

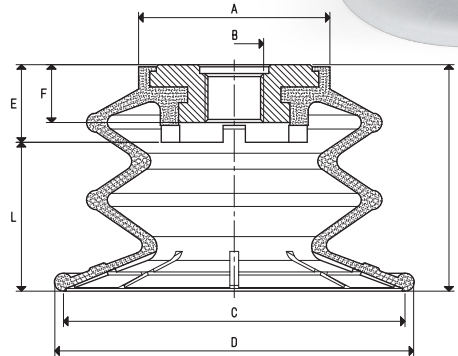
Art.	Force Kg	A Ø	B	C Ø	D Ø	E	F	G	H	Cup art.	Support art.	Weight g
<b>08 35 27 1/8 F *</b>	2.26	20	17	G1/8"	37	14	8	27	41	01 35 27	00 08 396	16.5
<b>08 52 40 1/8 F *</b>	5.31	27	20	G1/8"	55	14	8	39	53	01 52 40	00 08 397	41.3
<b>08 35 27 F *</b>	2.26	20	17	G1/4"	37	14	10	27	41	01 35 27	00 08 392	14.6
<b>08 52 40 F *</b>	5.31	27	20	G1/4"	55	14	10	39	53	01 52 40	00 08 393	39.4

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Note. The force of the suction cups shown in the table represents 1/3 of the value of the theoretical force calculated at a vacuum degree of -75 kPa and a safety factor 3.

Conversion ratio: N (newton) = Kg x 9.81 (G-force); inch =  $\frac{\text{mm}}{25.4}$ ; pounds =  $\frac{\text{Kg}}{453.6} = \frac{\text{g}}{0.4536}$  GAS-NPT thread adapters available at page 1.125

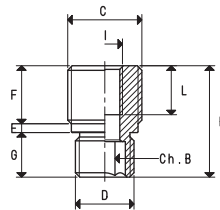
# BELLOW SUCTION CUPS WITH MALE SUPPORTS



## CUPS

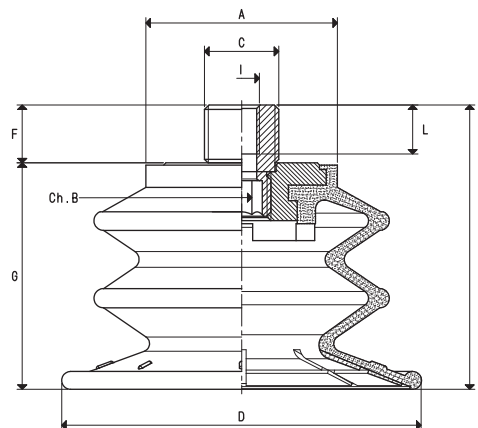
Art.	Force Kg	Volume cm <sup>3</sup>	A Ø	B Ø	C Ø	D Ø	E	F	H	L	Bellow stroke mm
<b>08 75 43 SR *</b>	11.19	74.3	43.0	G1/4"	75.5	80.5	17.5	13.7	50	32.5	28
<b>08 110 73 SR *</b>	24.17	250.6	63.5	G3/8"	113.4	119.0	25.5	19.4	75	49.5	40

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



## MALE SUPPORTS

Art.	B	C Ø	D Ø	E	F	G	H	I	L	Support material	Cup art.	Weight g
<b>00 08 373</b>	8	G1/4"	G1/4"	2	10	10	22	M8	11	aluminium	08 75 43 SR	4.1
<b>00 08 372</b>	8	G3/8"	G1/4"	2	13	10	25	M8	11	aluminium	08 75 43 SR	7.4
<b>00 08 376</b>	8	G3/8"	G3/8"	3	13	15.5	31.5	M8	11	aluminium	08 110 73 SR	14.1
<b>00 08 375</b>	8	G1/2"	G3/8"	3	13	15.5	31.5	M8	11	aluminium	08 110 73 SR	15.5



## CUPS WITH MALE SUPPORT

Art.	Force Kg	A Ø	B	C Ø	D Ø	F	G	H	I	L	Cup art.	Support art.	Weight g
<b>08 75 43 M *</b>	11.19	43.0	8	G1/4"	80.5	10	50	60	M8	11	08 75 43 SR	00 08 373	75.0
<b>08 75 43 3/8 M *</b>	11.19	43.0	8	G3/8"	80.5	10	50	63	M8	11	08 75 43 SR	00 08 372	78.3
<b>08 110 73 M *</b>	24.17	63.5	8	G3/8"	119.0	13	75	88	M8	11	08 110 73 SR	00 08 376	220.3
<b>08 110 73 1/2 M *</b>	24.17	63.5	8	G1/2"	119.0	13	75	88	M8	11	08 110 73 SR	00 08 375	221.7

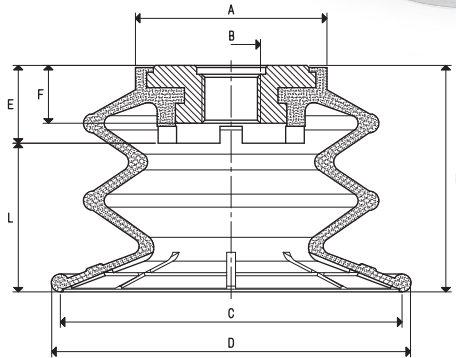
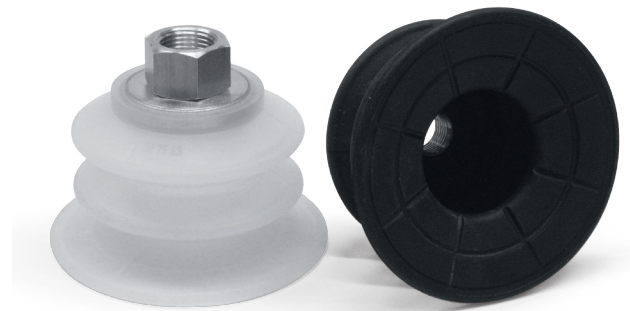
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Conversion ratio: N (newton) = Kg x 9.81 (G-force); inch =  $\frac{\text{mm}}{25.4}$ ; pounds =  $\frac{\text{g}}{453.6} = \frac{\text{Kg}}{0.4536}$  GAS-NPT thread adapters available at page 1.125



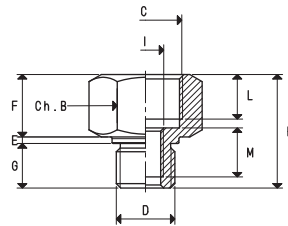
# BELLOW SUCTION CUPS WITH FEMALE SUPPORTS



## CUPS

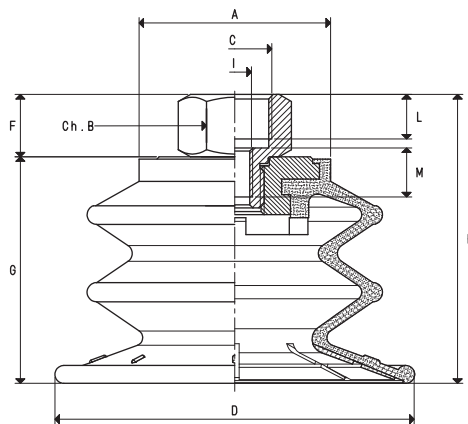
Art.	Force Kg	Volume cm <sup>3</sup>	A Ø	B Ø	C Ø	D Ø	E	F	H	L	Bellow stroke mm
<b>08 75 43 SR *</b>	11.19	74.3	43.0	G1/4"	75.5	80.5	17.5	13.7	50	32.5	28
<b>08 110 73 SR *</b>	24.17	250.6	63.5	G3/8"	113.4	119.0	25.5	19.4	75	49.5	40

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## FEMALE SUPPORTS

Art.	B	C Ø	D Ø	E	F	G	H	I	L	M	Support material	Cup art.	Weight g
<b>00 08 374</b>	22	G3/8"	G1/4"	1.5	14	10.0	25.5	M8	10	11	aluminium	08 75 43 SR	12.0
<b>00 08 377</b>	23	G1/2"	G3/8"	3.0	17	15.5	35.5	M8	13	11	aluminium	08 110 73 SR	17.8



## CUPS WITH FEMALE SUPPORT

Art.	Force Kg	A Ø	B	C Ø	D Ø	F	G	H	I	L	M	Cup art.	Support art.	Weight g
<b>08 75 43 3/8 *</b>	11.19	43.0	22	G3/8"	80.5	14	50	64	M8	10	11	08 75 43 SR	00 08 374	82.9
<b>08 110 73 1/2 *</b>	24.17	63.5	23	G1/2"	119.0	17	75	92	M8	13	11	08 75 43 SR	00 08 377	224.0

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Conversion ratio: N (newton) = Kg x 9.81 (G-force); inch =  $\frac{\text{mm}}{25.4}$ ; pounds =  $\frac{\text{Kg}}{453.6} = \frac{\text{g}}{0.4536}$  GAS-NPT thread adapters available at page 1.125