



## SPECIAL ARTICULATED VACUUM CUP HOLDERS

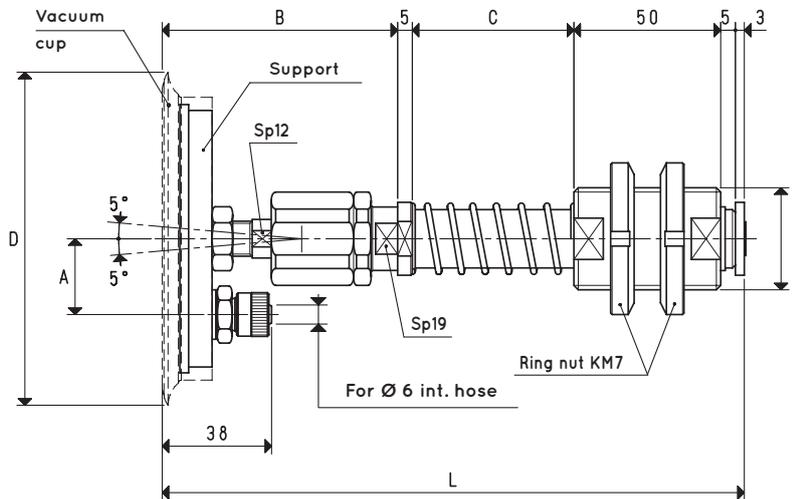
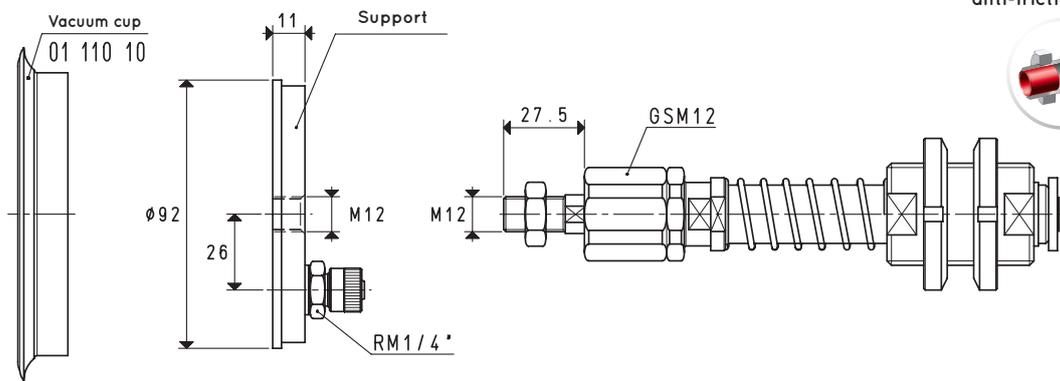
The distinctive feature of these cup holders is their articulated joint in hardened steel, which allows the flat cups installed on these cup holders to adapt themselves to the loads to be lifted even if not completely parallel with the cup plane, as well as to compensate possible verticality errors that can arise between the cup holder and the automation fixing support. Their technical and mechanical features are the same as the other previously described special vacuum cup holders.

They are composed of:

- A nickel-plated steel stem for fastening the vacuum cup;
- A threaded brass bush, equipped with two anti-friction bushes, fitted with two ring nuts for fastening the vacuum cup holder to the automation;
- A spring to cushion the impact of the cup with the load to be lifted;
- A safety washer;
- A quick coupling for connection with the suction hose;
- An articulated joint in galvanised steel.



Equipped with anti-friction bushes



VERSION 06 110 12

### VACUUM CUP HOLDERS WITH STRAIGHT QUICK COUPLER FOR PLASTIC HOSE Ø 6 X 8

Item	*C	Actual spring stroke mm	Spring thrust force N	A	B	D Ø	F Ø	L	For vacuum cup item	Support included item	Weight kg
06 110 12	55	37	70.63	26	77	114	M35 x 1.5	195	01 110 10	00 06 14	1.10
	110	84	35.31	26	77	114	M35 x 1.5	250	01 110 10	00 06 14	1.26

Note: The vacuum cup holder's lifting force depends directly on the vacuum cup model applied to it.

The vacuum cups are not integral parts of the cup holders and, therefore, must be ordered separately.

\* Also available with height C of 110 mm

Transformation ratio: N (newton) = Kg x 9.81 (force of gravity)

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

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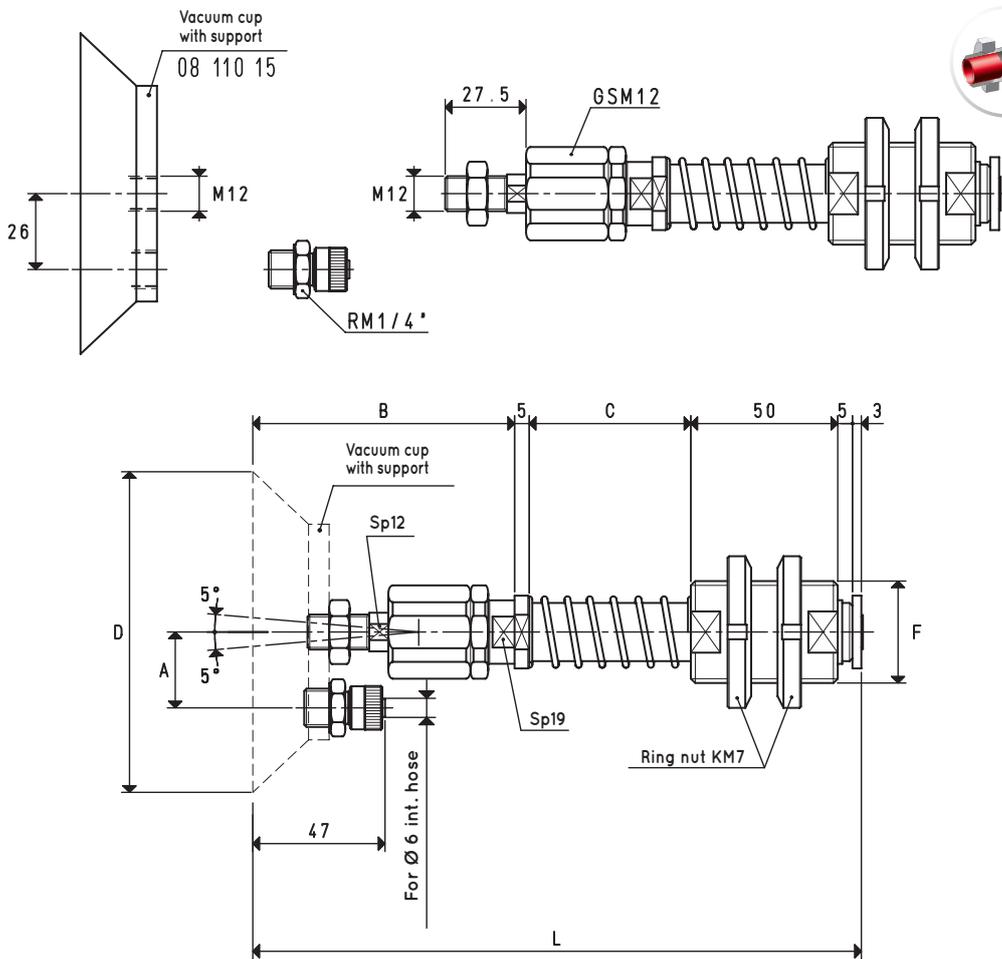
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Equipped with anti-friction bushings



VERSION 06 110 17

## VACUUM CUP HOLDERS WITH STRAIGHT QUICK COUPLER FOR PLASTIC HOSE Ø 6 X 8

Item	*C	Actual spring stroke mm	Spring thrust force N	A	B	D Ø	F Ø	L	For vacuum cup item	Weight kg
06 110 17	55	37	70.63	26	86	110	M35 x 1.5	204	08 110 15	0.890
	110	84	35.31	26	86	114	M35 x 1.5	259	01 110 10	1.010

Note: The vacuum cup holder's lifting force depends directly on the vacuum cup model applied to it.

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\* Also available with height C of 110 mm

Transformation ratio: N (newton) = Kg x 9.81 (force of gravity)

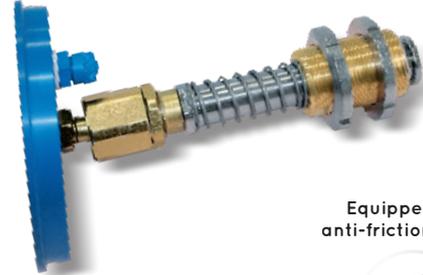
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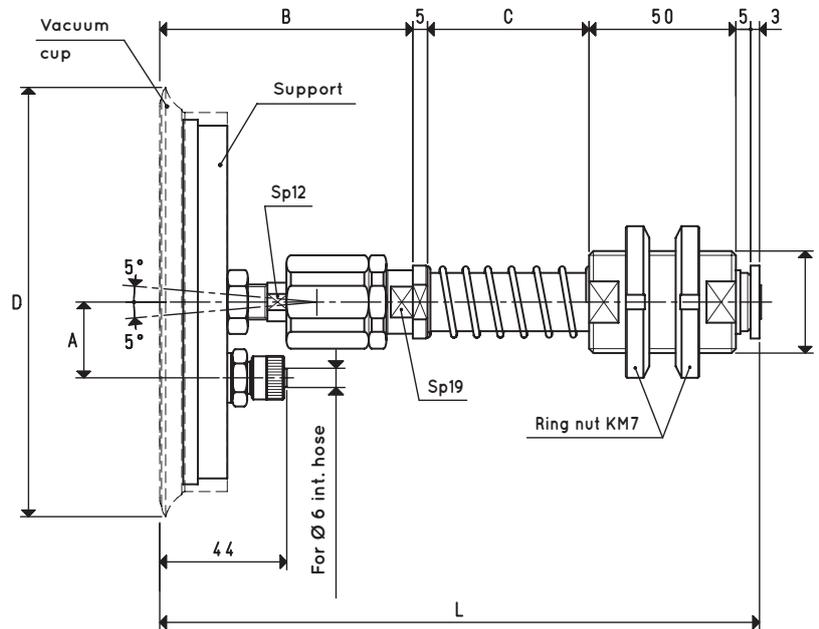
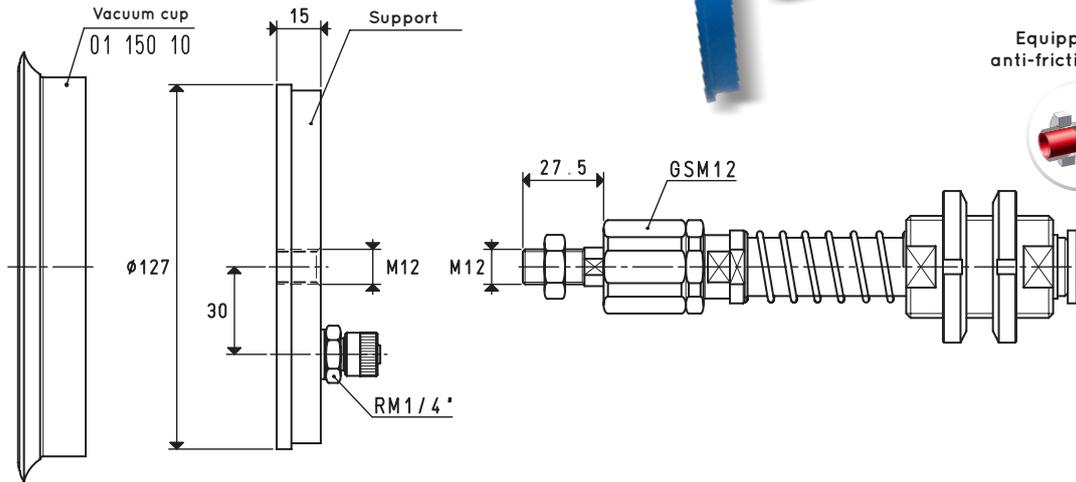
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- A safety washer;
- A quick coupling for connection with the suction hose;
- An articulated joint in galvanised steel.



Equipped with anti-friction bushings



VERSION 06 150 12

### VACUUM CUP HOLDERS WITH STRAIGHT QUICK COUPLER FOR PLASTIC HOSE Ø 6 X 8

Item	*C	Actual spring stroke mm	Spring thrust force N	A	B	D Ø	F Ø	L	For vacuum cup item	Support included item	Weight kg
06 150 12	55	37	70.63	30	83	154	M35 x 1.5	201	01 150 10	00 06 15	1.451
	110	84	35.31	30	83	154	M35 x 1.5	256	01 150 10	00 06 15	1.464

Note: The vacuum cup holder's lifting force depends directly on the vacuum cup model applied to it.

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\* Also available with height C of 110 mm

Transformation ratio: N (newton) = Kg x 9.81 (force of gravity)

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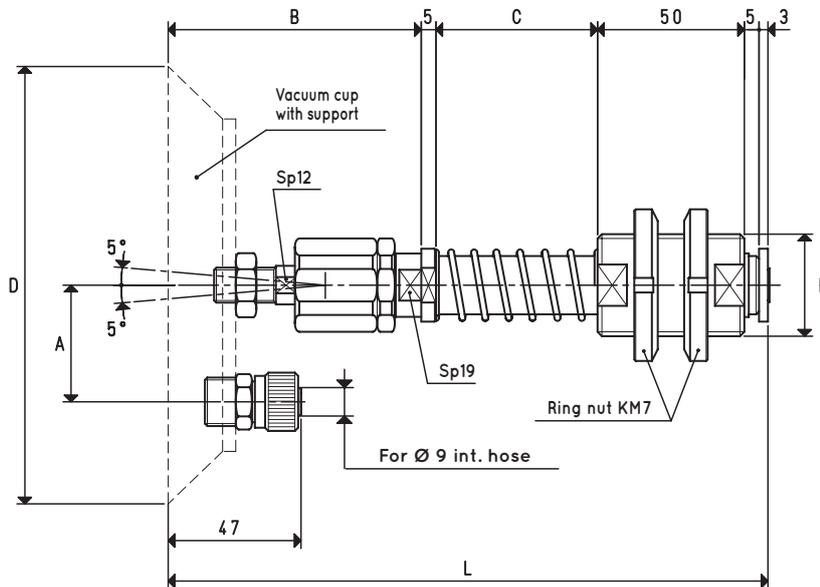
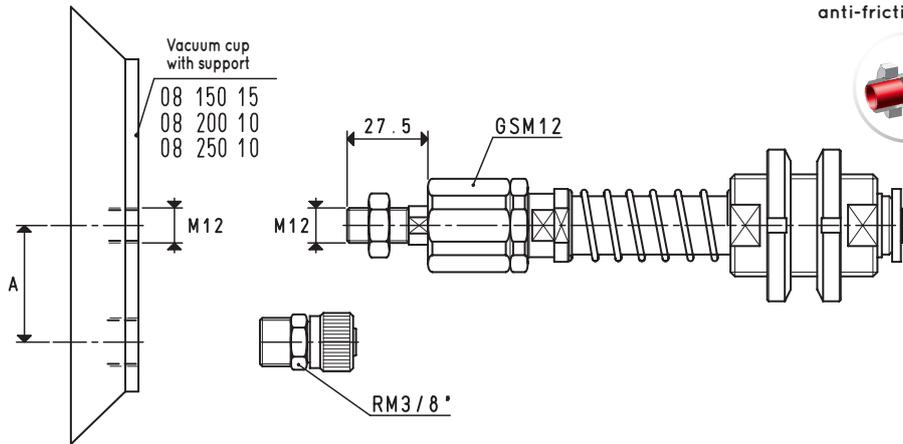
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- A spring to cushion the impact of the cup with the load to be lifted;
- A safety washer;
- A quick coupling for connection with the suction hose;
- An articulated joint in galvanised steel.



Equipped with anti-friction bushings



VERSION 06 . . . .

## VACUUM CUP HOLDERS WITH STRAIGHT QUICK COUPLER FOR PLASTIC HOSE Ø 9 X 12

Item	*C	Actual spring stroke mm	Spring thrust force N	A	B	D Ø	F Ø	L	For vacuum cup item	Weight kg
<b>06 150 17</b>	55	37	70.63	40.0	86	150	M35 x 1.5	204	08 150 15	0.90
	110	84	35.31	40.0	86	150	M35 x 1.5	259	08 150 15	0.91
<b>06 200 12</b>	55	37	70.63	47.5	88	200	M35 x 1.5	206	08 200 10	0.88
	110	84	35.31	47.5	88	200	M35 x 1.5	259	08 200 10	0.89
<b>06 250 12</b>	55	37	70.63	72.5	88	250	M35 x 1.5	206	08 250 10	0.89
	110	84	35.31	72.5	88	250	M35 x 1.5	259	08 250 10	1.00

Note: The vacuum cup holder's lifting force depends directly on the vacuum cup model applied to it.

The vacuum cups are not integral parts of the cup holders and, therefore, must be ordered separately.

\* Also available with height C of 110 mm

Transformation ratio: N (newton) = Kg x 9.81 (force of gravity)

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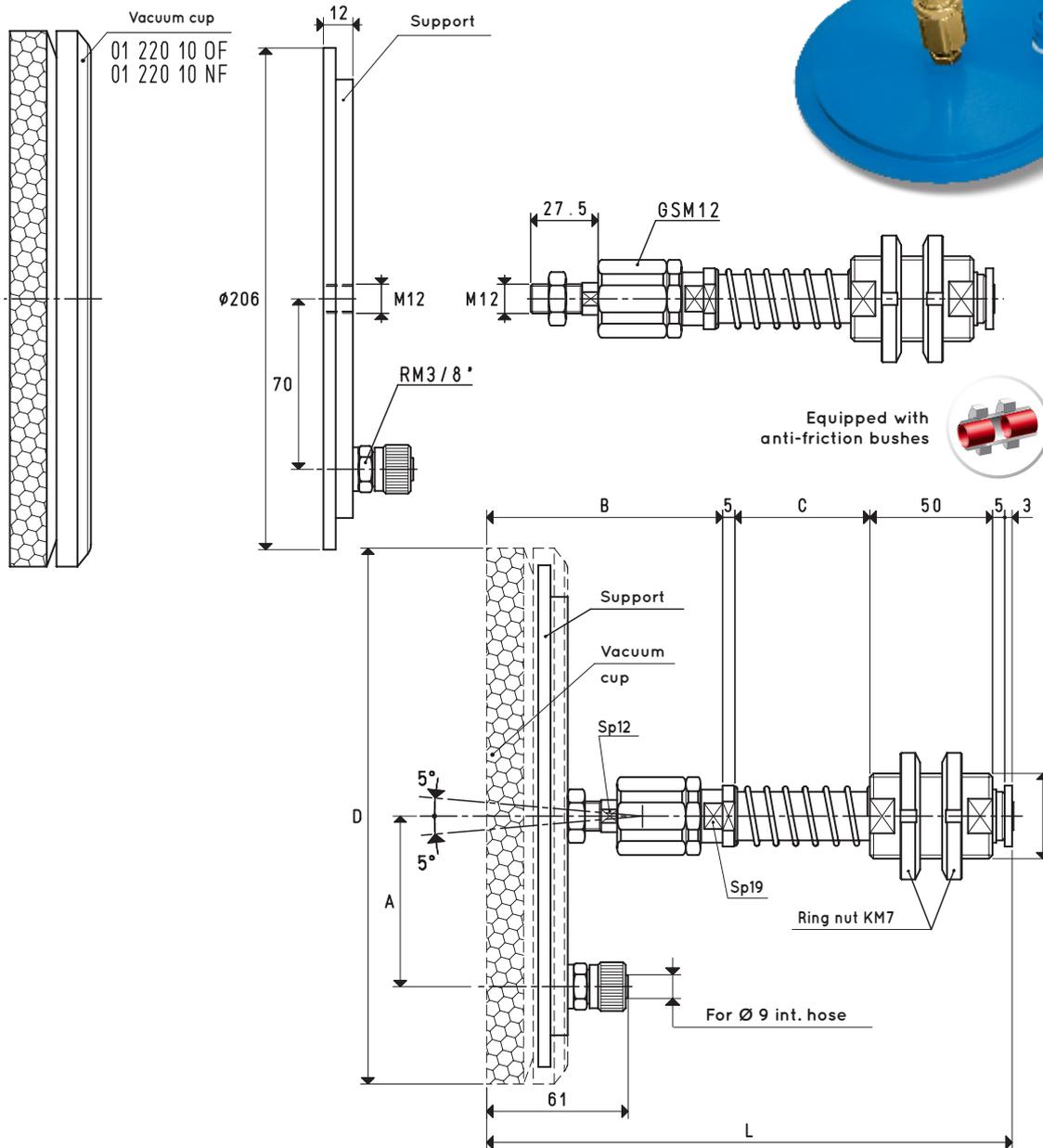
They are composed of:

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- A safety washer;
- A quick coupling for connection with the suction hose;
- An articulated joint in galvanised steel.



3D drawings are available on [vuototecnica.net](http://vuototecnica.net)



VERSION 06 220 12 ..

## VACUUM CUP HOLDERS WITH STRAIGHT QUICK COUPLER FOR PLASTIC HOSE Ø 9 X 12

Item	*C	Actual spring stroke mm	Spring thrust force N	A	B	D Ø	F Ø	L	For vacuum cup item	Support included item	Weight kg
<b>06 220 12 OF</b>	55	37	70.63	70	97	220	M35 x 1.5	215	01 220 10 OF	00 08 37	2.08
	110	84	35.31	70	97	220	M35 x 1.5	270	01 220 10 OF	00 08 37	2.21
<b>06 220 12 NF</b>	55	37	70.63	70	97	220	M35 x 1.5	215	01 220 10 NF	00 08 37	2.07
	110	84	35.31	70	97	220	M35 x 1.5	270	01 220 10 NF	00 08 37	2.20

Note: The vacuum cup holder's lifting force depends directly on the vacuum cup model applied to it.

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\* Also available with height C of 110 mm

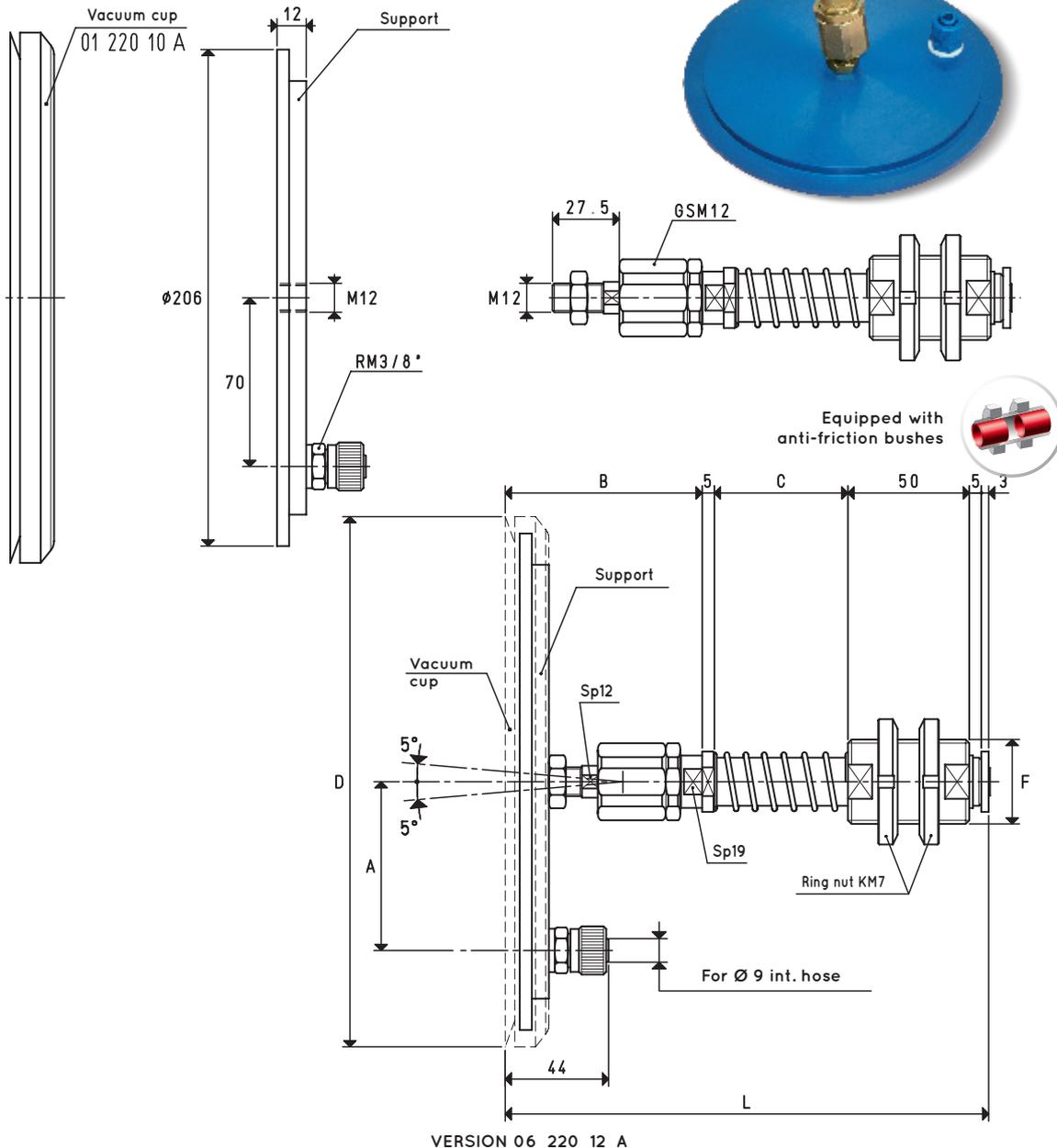
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- A spring to cushion the impact of the cup with the load to be lifted;
- A safety washer;
- A quick coupling for connection with the suction hose;
- An articulated joint in galvanised steel.



### VACUUM CUP HOLDERS WITH STRAIGHT QUICK COUPLER FOR PLASTIC HOSE Ø 9 X 12

Item	*C	Actual spring stroke mm	Spring thrust force N	A	B	D Ø	F Ø	L	For vacuum cup item	Support included item	Weight kg
06 220 12 A	55	37	70.63	70	80	220	M35 x 1.5	198	01 220 10 A	00 08 37	2.02
	110	84	35.31	70	80	220	M35 x 1.5	253	01 220 10 A	00 08 37	2.15

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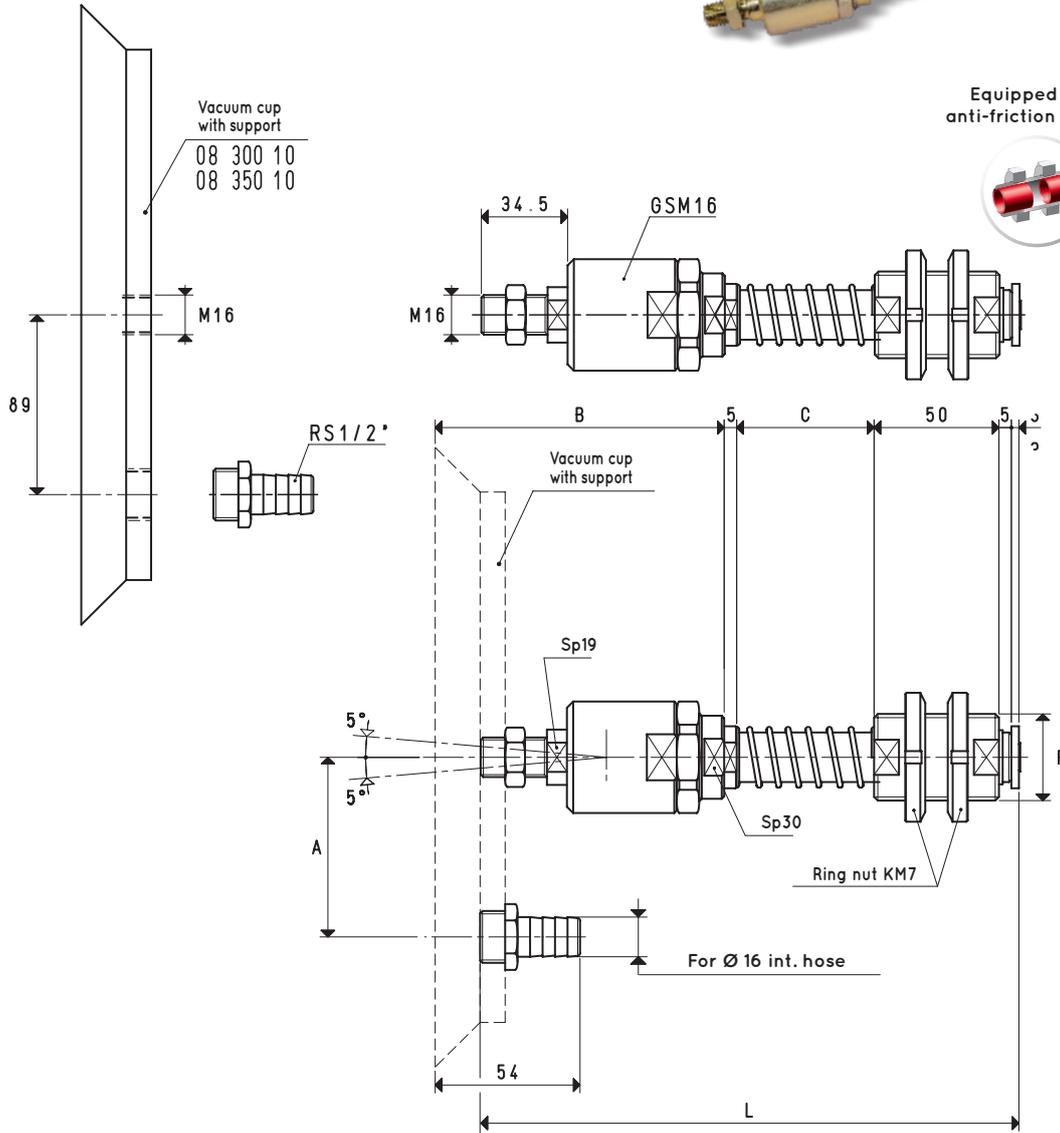
They are composed of:

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- A spring to cushion the impact of the cup with the load to be lifted;
- A safety washer;
- A hose connector, for connection with the suction hose;
- An articulated joint in galvanised steel.



Equipped with anti-friction bushes



VERSION 06 ... 12

## VACUUM CUP HOLDERS WITH HOSE-END FITTING FOR PLASTIC HOSE Ø 16 X 18

Item	*C	Actual spring stroke mm	Spring thrust force N	A	B	F Ø	L	Weight Kg
<b>06 300 12</b>	55	37	70.63	89	115	M35 x 1.5	233	1.39
	110	84	35.31	89	115	M35 x 1.5	288	1.51
<b>06 350 12</b>	55	37	138.32	89	115	M35 x 1.5	233	1.39
	110	84	81.42	89	115	M35 x 1.5	288	1.51
<b>For vacuum cup item</b>								
08 300 10								
08 350 10								

Note: The vacuum cup holder's lifting force depends directly on the vacuum cup model applied to it.

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