



SPECIAL ARTICULATED VACUUM CUP HOLDERS WITH DOUBLE SPRINGING

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.

The cup holder fixing bush is located between two springs: the lower one cushions the impact of the cup with the load to be lifted during the approach phase, while the upper one cushions the impact of the bush with the cup holder end and gradually loads the cup during the lifting phase.

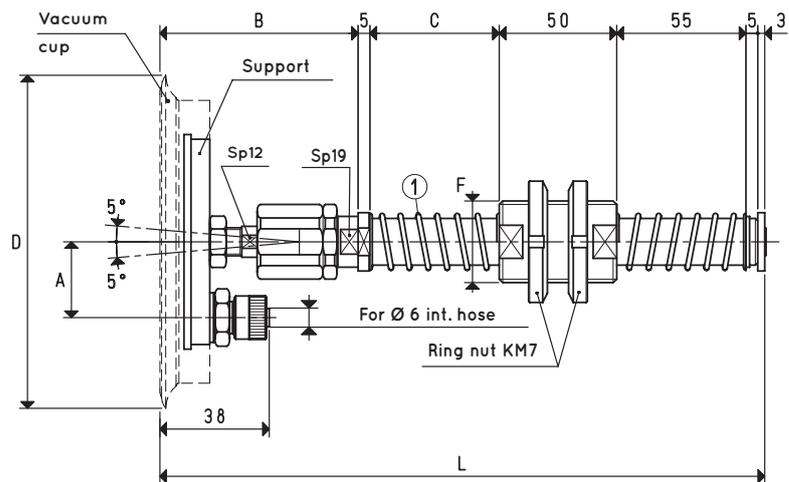
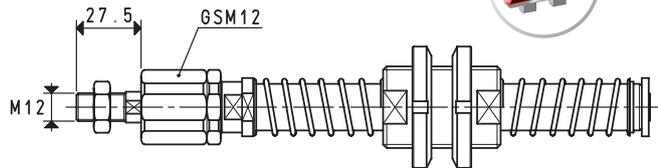
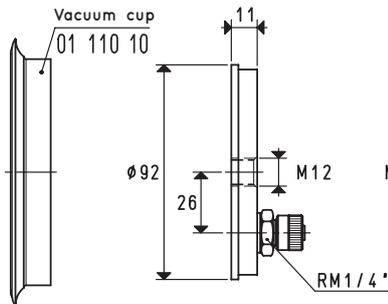
These cup holders are especially recommended when the load to be lifted is very heavy, rough or not perfectly flat.

They are composed of:

- A nickel-plated steel stem for fastening the vacuum cup;
- A threaded brass bush, equipped with two anti-friction bushings, fitted with two ring nuts for fastening the vacuum cup holder to the automation;
- Two springs designed to reduce and distribute impact: one serves to cushion the impact of the vacuum cup with the load to be lifted, the other to cushion the impact of the bush against the end of the vacuum cup holder;
- A safety washer;
- A quick coupling for connection with the suction hose;
- An articulated joint in galvanised steel.



Equipped with anti-friction bushings



VERSION 06 110 14

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

Item	*C	Actual spring stroke mm	Spring thrust force N (1)	A	B	D Ø	F Ø	L	For vacuum cup item	Support included item	Weight kg
06 110 14	55	37	70.63	26	77	114	M35 x 1.5	250	01 110 10	00 06 14	1.24
	110	84	35.31	26	77	114	M35 x 1.5	305	01 110 10	00 06 14	1.34

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 = $\frac{\text{g}}{453.6} = \frac{\text{Kg}}{0.4536}$

SPECIAL ARTICULATED VACUUM CUP HOLDERS WITH DOUBLE SPRINGING



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.

The cup holder fixing bush is located between two springs: the lower one cushions the impact of the cup with the load to be lifted during the approach phase, while the upper one cushions the impact of the bush with the cup holder end and gradually loads the cup during the lifting phase.

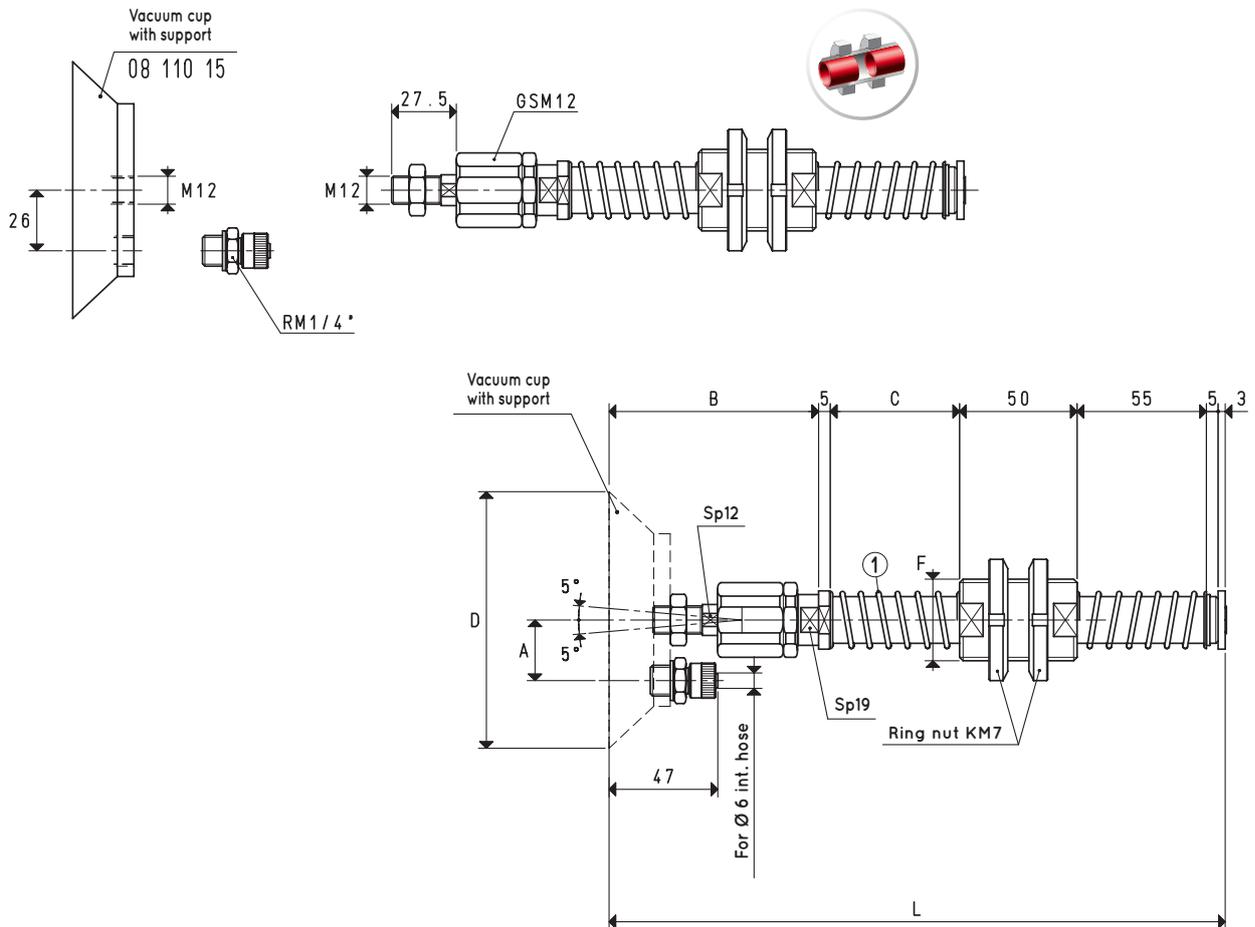
These cup holders are especially recommended when the load to be lifted is very heavy, rough or not perfectly flat.

They are composed of:

- A nickel-plated steel stem for fastening the vacuum cup;
- A threaded brass bush, equipped with two anti-friction bushings, fitted with two ring nuts for fastening the vacuum cup holder to the automation;
- Two springs designed to reduce and distribute impact: one serves to cushion the impact of the vacuum cup with the load to be lifted, the other to cushion the impact of the bush against the end of the vacuum cup holder;
- A safety washer;
- A quick coupling for connection with the suction hose;
- An articulated joint in galvanised steel.



Equipped with anti-friction bushings



VERSION 06 110 18

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

Item	*C	Actual spring stroke mm	Spring thrust force N (1)	A	B	D Ø	F Ø	L	For vacuum cup item	Weight kg
06 110 18	55	37	70.63	26	86	110	M35 x 1.5	259	08 110 15	1.01
	110	84	35.31	26	86	110	M35 x 1.5	314	08 110 15	1.11

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 = $\frac{\text{g}}{453.6} = \frac{\text{Kg}}{0.4536}$



SPECIAL ARTICULATED VACUUM CUP HOLDERS WITH DOUBLE SPRINGING

3D drawings are available on vuototecnica.net

2

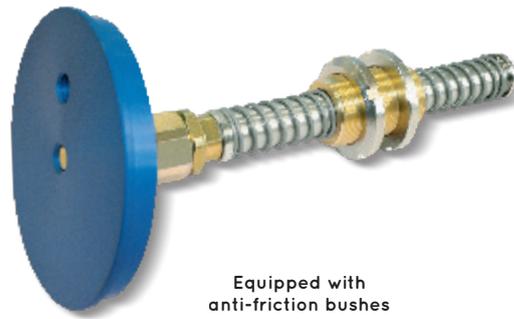
The distinctive feature of these cup holders is their articulated joint in hardened steel, which allows the flat cups installed on these cup holders to adapt themselves to the loads to be lifted even if not completely parallel with the cup plane, as well as to compensate possible verticality errors that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

The cup holder fixing bush is located between two springs: the lower one cushions the impact of the cup with the load to be lifted during the approach phase, while the upper one cushions the impact of the bush with the cup holder end and gradually loads the cup during the lifting phase.

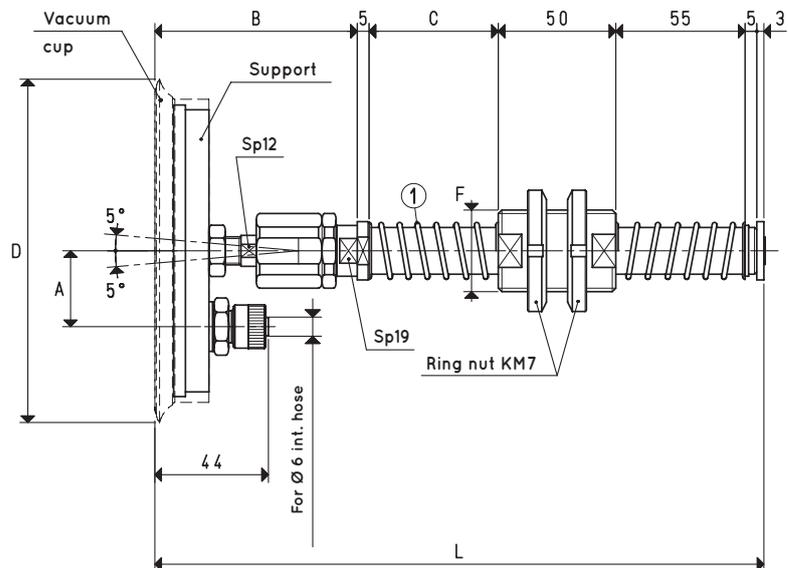
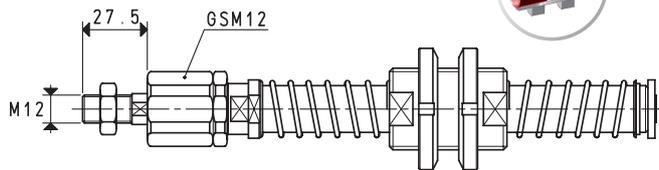
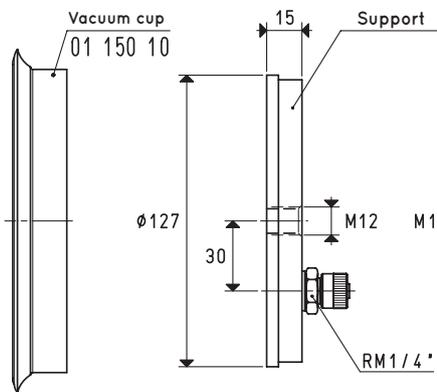
These cup holders are especially recommended when the load to be lifted is very heavy, rough or not perfectly flat.

They are composed of:

- A nickel-plated steel stem for fastening the vacuum cup;
- A threaded brass bush, equipped with two anti-friction bushings, fitted with two ring nuts for fastening the vacuum cup holder to the automation;
- Two springs designed to reduce and distribute impact: one serves to cushion the impact of the vacuum cup with the load to be lifted, the other to cushion the impact of the bush against the end of the vacuum cup holder;
- 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 14

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

Item	*C	Actual spring stroke mm	Spring thrust force N (1)	A	B	D Ø	F Ø	L	For vacuum cup item	Support included item	Weight kg
06 150 14	55	37	70.63	30	83	154	M35 x 1.5	256	01 150 10	00 06 15	1.06
	110	84	35.31	30	83	154	M35 x 1.5	311	01 150 10	00 06 15	1.16

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)

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

SPECIAL ARTICULATED VACUUM CUP HOLDERS WITH DOUBLE SPRINGING



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.

The cup holder fixing bush is located between two springs: the lower one cushions the impact of the cup with the load to be lifted during the approach phase, while the upper one cushions the impact of the bush with the cup holder end and gradually loads the cup during the lifting phase.

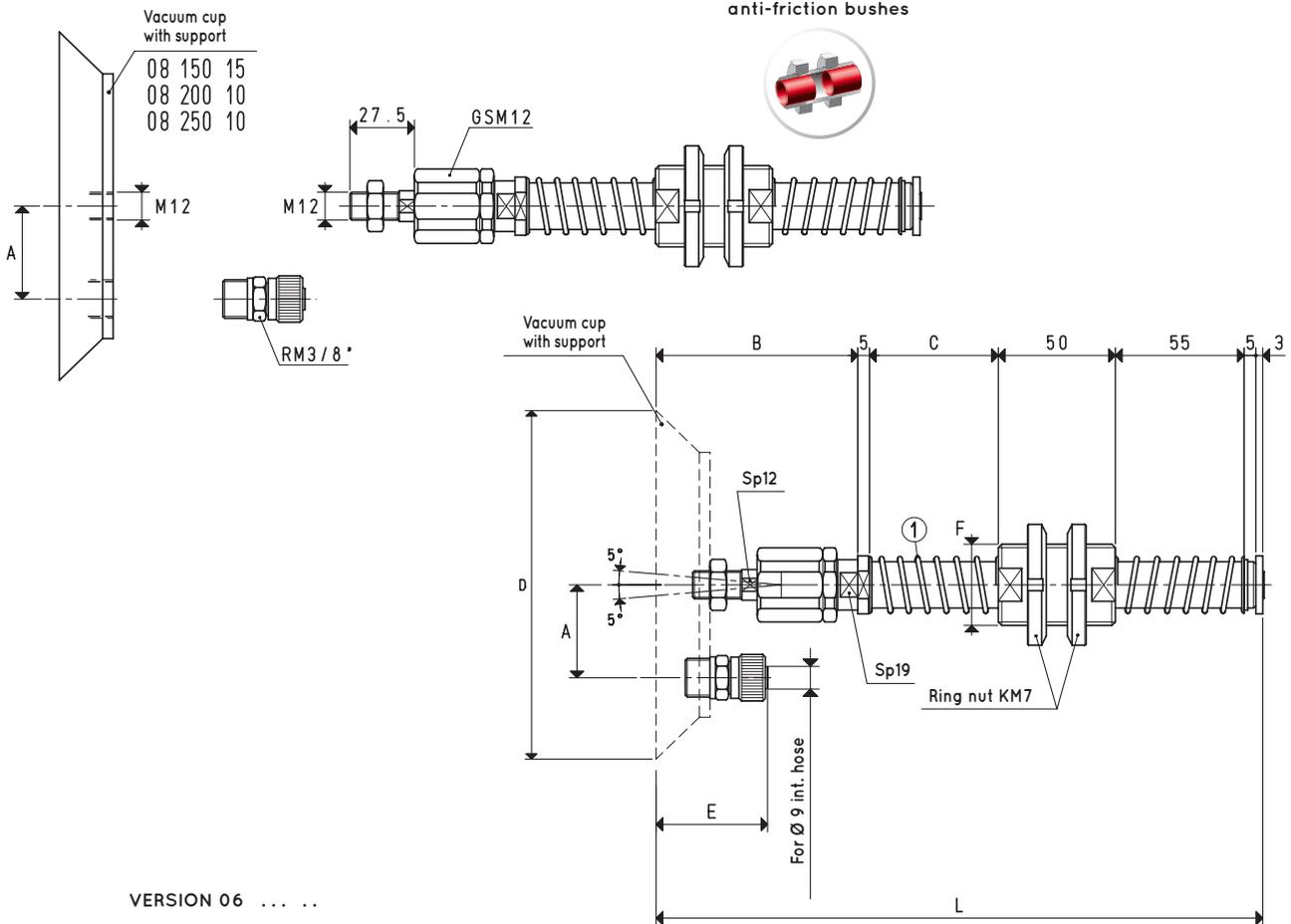
These cup holders are especially recommended when the load to be lifted is very heavy, rough or not perfectly flat.

They are composed of:

- A nickel-plated steel stem for fastening the vacuum cup;
- A threaded brass bush, equipped with two anti-friction bushings, fitted with two ring nuts for fastening the vacuum cup holder to the automation;
- Two springs designed to reduce and distribute impact: one serves to cushion the impact of the vacuum cup with the load to be lifted, the other to cushion the impact of the bush against the end of the vacuum cup holder;
- 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 (1)	A	B	D Ø	E	F Ø	L	For vacuum cup item	Weight kg
06 150 19	55	37	70.63	40.0	86	150	50	M35 x 1.5	259	08 150 15	1.03
	110	84	35.31	40.0	86	150	50	M35 x 1.5	314	08 150 15	1.14
06 200 14	55	37	70.63	47.5	88	200	52	M35 x 1.5	261	08 200 10	1.04
	110	84	35.31	47.5	88	200	52	M35 x 1.5	316	08 200 10	1.14
06 250 14	55	37	70.63	72.5	88	250	52	M35 x 1.5	261	08 250 10	1.03
	110	84	35.31	72.5	88	250	52	M35 x 1.5	316	08 250 10	1.14

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)

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



SPECIAL ARTICULATED VACUUM CUP HOLDERS WITH DOUBLE SPRINGING

3D drawings are available on vuototecnica.net

2

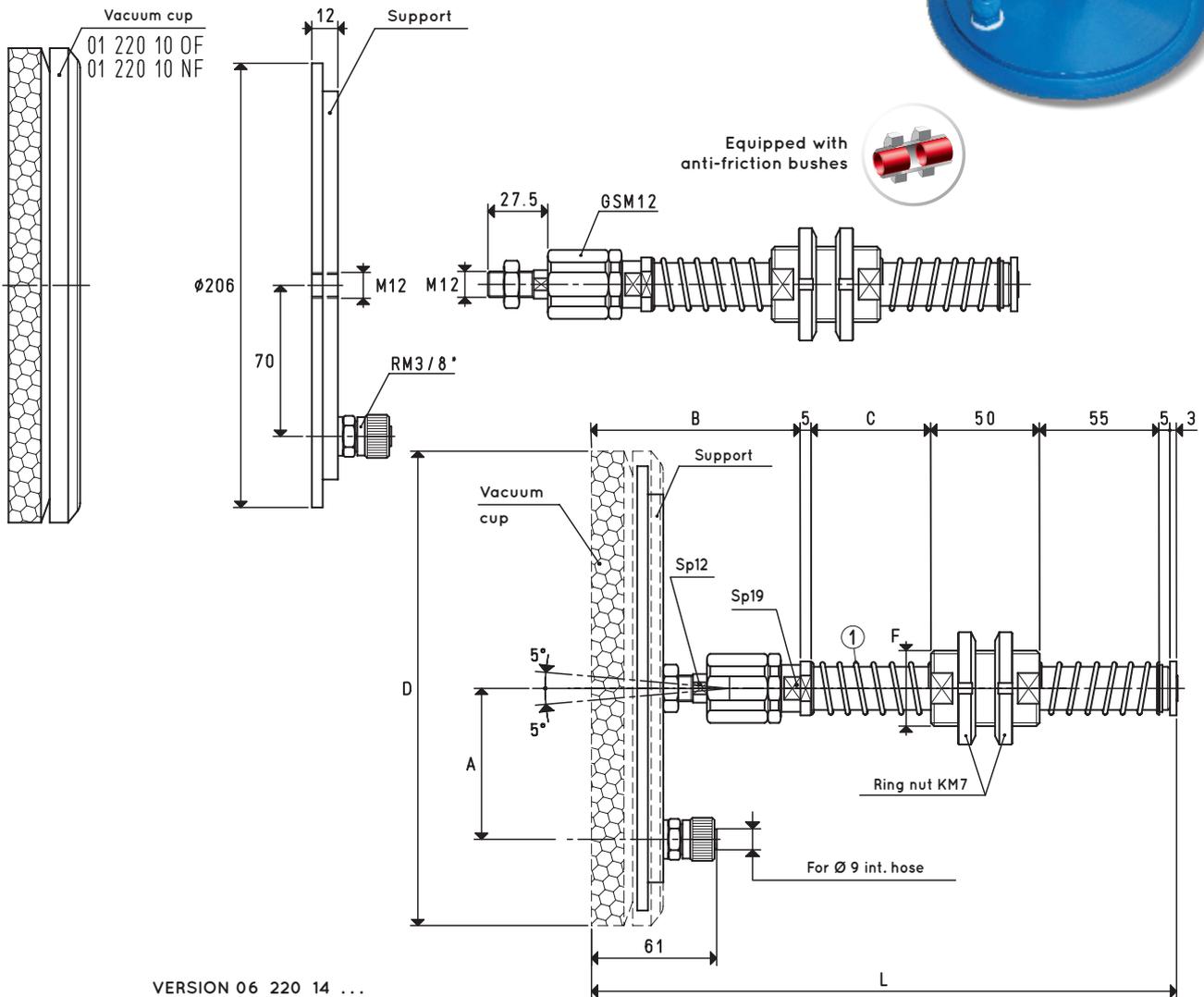
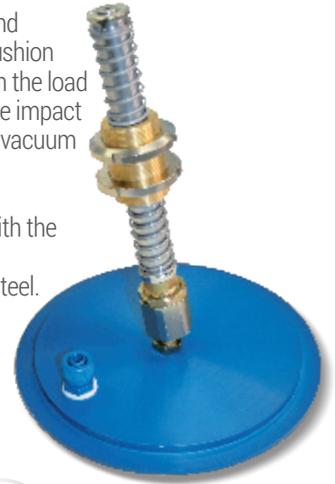
The distinctive feature of these cup holders is their articulated joint in hardened steel, which allows the flat cups installed on these cup holders to adapt themselves to the loads to be lifted even if not completely parallel with the cup plane, as well as to compensate possible verticality errors that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

The cup holder fixing bush is located between two springs: the lower one cushions the impact of the cup with the load to be lifted during the approach phase, while the upper one cushions the impact of the bush with the cup holder end and gradually loads the cup during the lifting phase.

These cup holders are especially recommended when the load to be lifted is very heavy, rough or not perfectly flat.

They are composed of:

- A nickel-plated steel stem for fastening the vacuum cup;
- A threaded brass bush, equipped with two anti-friction bushings, fitted with two ring nuts for fastening the vacuum cup holder to the automation;
- Two springs designed to reduce and distribute impact: one serves to cushion the impact of the vacuum cup with the load to be lifted, the other to cushion the impact of the bush against the end of the vacuum cup holder;
- A safety washer;
- A quick coupling for connection with the suction hose;
- An articulated joint in galvanised steel.



VERSION 06 220 14 ...

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

Item	*C	Actual spring stroke mm	Spring thrust force N (1)	A	B	D Ø	F Ø	L	For vacuum cup item	Support included item	Weight kg
06 220 14 OF	55	37	70.63	70	97	220	M35 x 1.5	270	01 220 10 OF	00 08 37	2.22
	110	84	35.31	70	97	220	M35 x 1.5	325	01 220 10 OF	00 08 37	2.32
06 220 14 NF	55	37	70.63	70	97	220	M35 x 1.5	270	01 220 10 NF	00 08 37	2.21
	110	84	35.31	70	97	220	M35 x 1.5	325	01 220 10 NF	00 08 37	2.31

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 = $\frac{\text{g}}{453.6} = \frac{\text{Kg}}{0.4536}$

SPECIAL ARTICULATED VACUUM CUP HOLDERS WITH DOUBLE SPRINGING



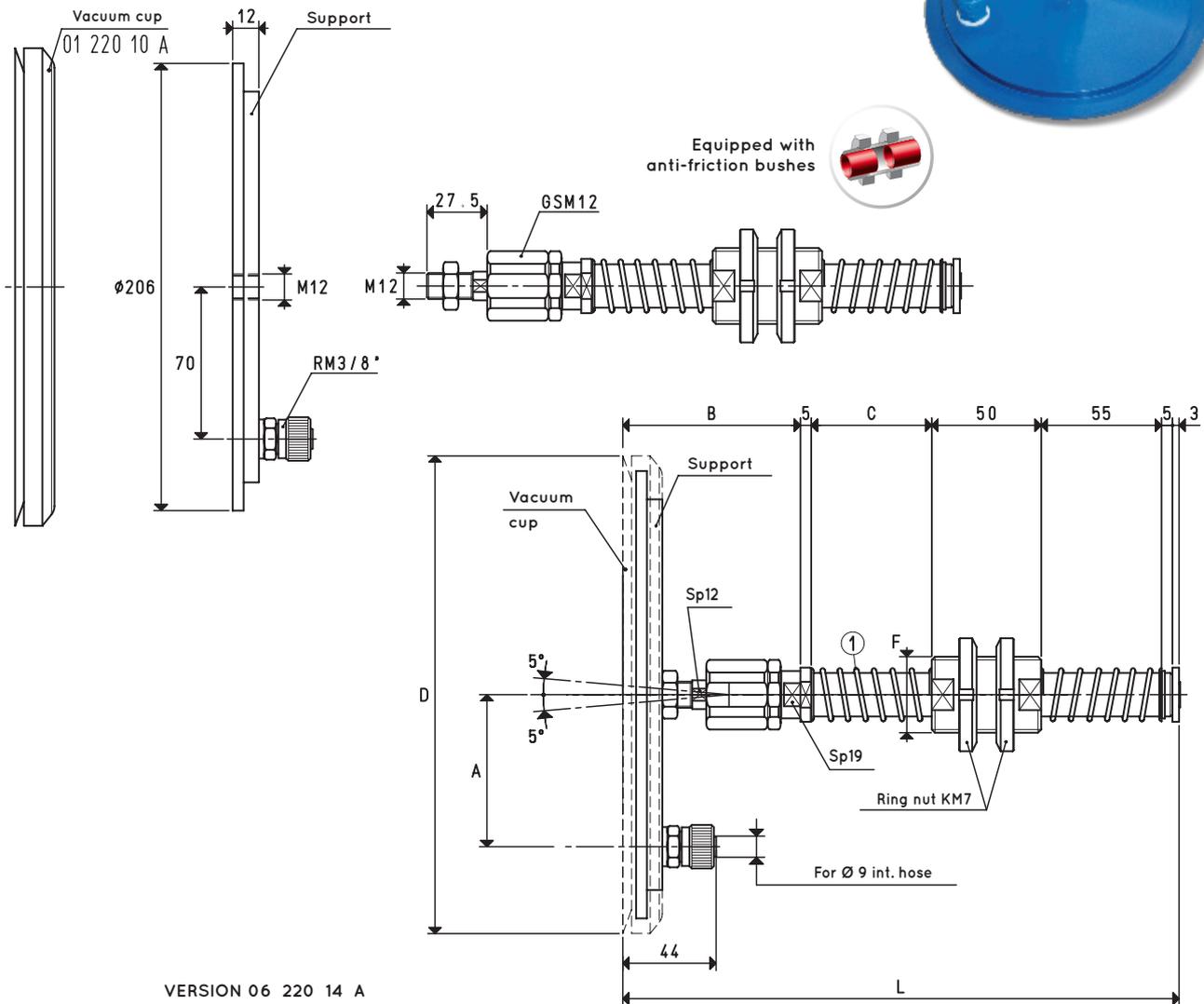
The distinctive feature of these cup holders is their articulated joint in hardened steel, which allows the flat cups installed on these cup holders to adapt themselves to the loads to be lifted even if not completely parallel with the cup plane, as well as to compensate possible verticality errors that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

The cup holder fixing bush is located between two springs: the lower one cushions the impact of the cup with the load to be lifted during the approach phase, while the upper one cushions the impact of the bush with the cup holder end and gradually loads the cup during the lifting phase.

These cup holders are especially recommended when the load to be lifted is very heavy, rough or not perfectly flat.

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;
- Two springs designed to reduce and distribute impact: one serves to cushion the impact of the vacuum cup with the load to be lifted, the other to cushion the impact of the bush against the end of the vacuum cup holder;
- A safety washer;
- A quick coupling for connection with the suction hose;
- An articulated joint in galvanised steel.



VERSION 06 220 14 A

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

Item	*C	Actual spring stroke mm	Spring thrust force N (1)	A	B	D Ø	F Ø	L	For vacuum cup item	Support included item	Weight kg
06 220 14 A	55	37	70.63	70	80	220	M35 x 1.5	253	01 220 10 A	00 08 37	2.14
	110	84	35.31	70	80	220	M35 x 1.5	308	01 220 10 A	00 08 37	2.24

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)

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



SPECIAL ARTICULATED VACUUM CUP HOLDERS WITH DOUBLE SPRINGING

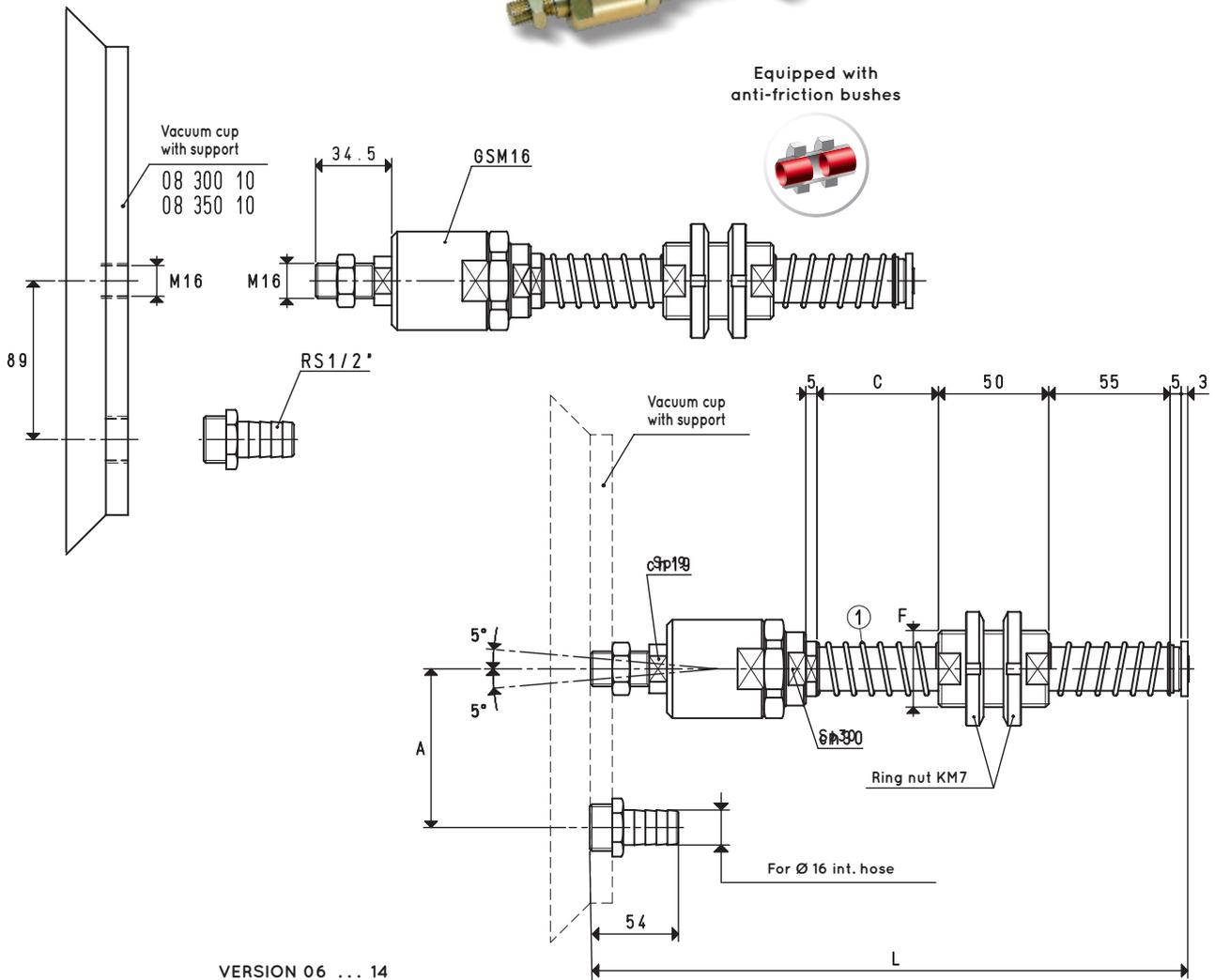
3D drawings are available on vuototecnica.net

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. The cup holder fixing bush is located between two springs: the lower one cushions the impact of the cup with the load to be lifted during the approach phase, while the upper one cushions the impact of the bush with the cup holder end and gradually loads the cup during the lifting phase. These cup holders are especially recommended when the load to be lifted is very heavy, rough or not perfectly flat. They are composed of:

- A nickel-plated steel stem for fastening the vacuum cup;
- A threaded brass bush, equipped with two anti-friction bushings, fitted with two ring nuts for fastening the vacuum cup holder to the automation;
- Two springs designed to reduce and distribute impact: one serves to cushion the impact of the vacuum cup with the load to be lifted, the other to cushion the impact of the bush against the end of the vacuum cup holder;
- A safety washer;
- A hose connector for connection with the suction hose;
- An articulated joint in galvanised steel.



Equipped with anti-friction bushings



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

Item	*C	Actual spring stroke mm	Spring thrust force N (1)	A	F Ø	L	Weight Kg
06 300 14	55	37	70.63	89	M35 x 1.5	257	1.54
	110	84	35.31	89	M35 x 1.5	312	1.93
For vacuum cup item							
							08 300 10
							08 350 10

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 = $\frac{\text{g}}{453.6} = \frac{\text{Kg}}{0.4536}$