



## SPECIAL STAINLESS STEEL ANTI-ROTATION VACUUM CUP HOLDERS

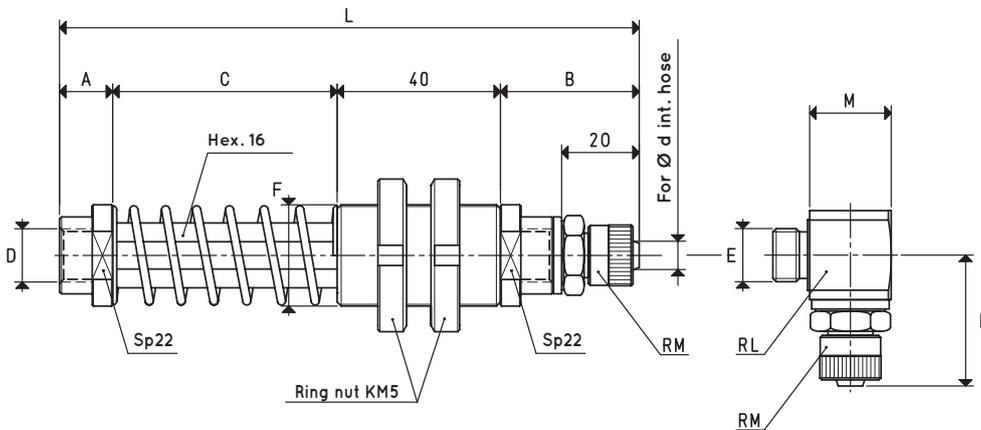
Designed for the robot-automotive sector, these cup holders offer ideal solutions to various handling problems that arise in all industrial sectors. In addition the characteristics of the previously described special vacuum cup holders, their distinctive features are their brass stem with hexagonal cross-section and the steel drive bush, also with hexagonal hole. This structure prevents the stem and, as a result, the cup assembled onto it from rotating on its axis.

The drive bush is equipped with two fine thread ring nuts to guarantee an accurate fastening of the cup holder to the automation. Moreover, the two ends of the stem, also in stainless steel, are threaded male or female and interchangeable. The straight quick coupler for the connection to the suction hose is screwed to one end, while the cup with support is assembled onto the other end.

They are suited for cups with a diameter between 40 mm and 200 mm, although they are especially useful for the assembly of rectangular or elliptical vacuum cups.

They are composed of:

- A stainless steel stem with hexagonal cross-section;
- A threaded brass bush with an internal hexagonal cross-section, fitted with two ring nuts for fastening the vacuum cup holder to the automation;
- A spring to cushion the impact of the cup and to, at the same time, maintain constant pressure with the load to be lifted;
- A quick coupling for connection with the suction hose.



VERSION 06 . . . . .

VERSION 06 . . . . . L

### VACUUM CUP HOLDERS WITH STRAIGHT QUICK COUPLER FOR PLASTIC HOSE

Item	C	Actual spring stroke mm	Spring thrust force N	A	B	D Ø	d Ø	E Ø	F Ø	L	M	N	O	RL	RM	Weight g
06 55 80	55	37	35.31	13	34	G1/4"	6	G1/4"	M25 x 1.5	142	21.0	32.0	18.5	G1/4"	G1/4"	318
06 55 81	55	37	35.31	15	40	G3/8"	9	G3/8"	M25 x 1.5	150	21.5	35.5	22.0	G3/8"	G3/8"	330
06 55 82	55	37	35.31	15	34	G3/8"	6	G1/4"	M25 x 1.5	144	21.0	32.0	18.5	G1/4"	G1/4"	320
06 110 80	110	84	70.63	13	34	G1/4"	6	G1/4"	M25 x 1.5	197	21.0	32.0	18.5	G1/4"	G1/4"	386
06 110 81	110	84	70.63	15	40	G3/8"	9	G3/8"	M25 x 1.5	205	21.5	35.5	22.0	G3/8"	G3/8"	398
06 110 82	110	84	70.63	15	34	G3/8"	6	G1/4"	M25 x 1.5	199	21.0	32.0	18.5	G1/4"	G1/4"	388

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

To order vacuum cup holders with L fittings, add the letter L to the code.

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 ANTI-ROTATION VACUUM CUP HOLDERS WITH MALE THREADED CONNECTOR

Designed for the robot-automotive sector, these cup holders offer ideal solutions to various handling problems that arise in all industrial sectors.

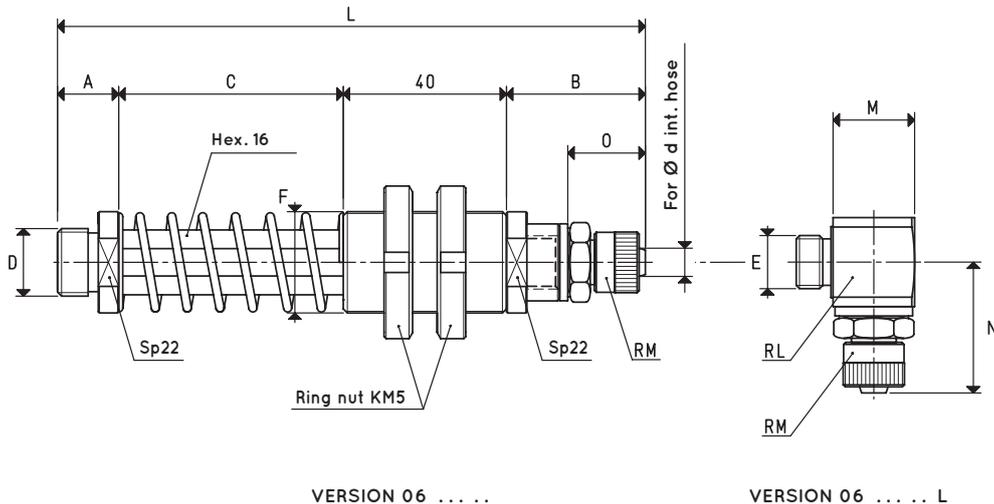
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## VACUUM CUP HOLDERS WITH STRAIGHT QUICK COUPLER FOR PLASTIC HOSE

Item	C	Actual spring stroke mm	Spring thrust force N	A	B	D Ø	d Ø	E Ø	F Ø	L	M	N	O	RL	RM	Weight g
06 55 90	55	37	35.31	15	34	G1/4"	6	G1/4"	M25 x 1.5	144	21.0	32.0	18.5	G1/4"	G1/4"	314
06 55 91	55	37	35.31	15	34	G3/8"	6	G1/4"	M25 x 1.5	144	21.0	32.0	18.5	G1/4"	G1/4"	320
06 55 92	55	37	35.31	15	40	G3/8"	9	G3/8"	M25 x 1.5	150	21.5	35.5	22.0	G3/8"	G3/8"	330
06 55 93	55	37	35.31	15	40	G1/2"	9	G3/8"	M25 x 1.5	150	21.5	35.5	22.0	G3/8"	G3/8"	332
06 55 94	55	37	35.31	15	34	M12	6	G1/4"	M25 x 1.5	144	21.0	32.0	18.5	G1/4"	G1/4"	318
06 55 95	55	37	35.31	15	40	M12	9	G3/8"	M25 x 1.5	150	21.5	35.5	22.0	G3/8"	G3/8"	328
06 55 96	55	37	35.31	15	40	M16	9	G3/8"	M25 x 1.5	150	21.5	35.5	22.0	G3/8"	G3/8"	330
06 110 90	110	84	70.63	15	34	G1/4"	6	G1/4"	M25 x 1.5	199	21.0	32.0	18.5	G1/4"	G1/4"	374
06 110 91	110	84	70.63	15	34	G3/8"	6	G1/4"	M25 x 1.5	199	21.0	32.0	18.5	G1/4"	G1/4"	380
06 110 92	110	84	70.63	15	40	G3/8"	9	G3/8"	M25 x 1.5	205	21.5	35.5	22.0	G3/8"	G3/8"	390
06 110 93	110	84	70.63	15	40	G1/2"	9	G3/8"	M25 x 1.5	205	21.5	35.5	22.0	G3/8"	G3/8"	392
06 110 94	110	84	70.63	15	34	M12	6	G1/4"	M25 x 1.5	199	21.0	32.0	18.5	G1/4"	G1/4"	378
06 110 95	110	84	70.63	15	40	M12	9	G3/8"	M25 x 1.5	205	21.5	35.5	22.0	G3/8"	G3/8"	388
06 110 96	110	84	70.63	15	40	M16	6	G3/8"	M25 x 1.5	205	21.5	35.5	22.0	G3/8"	G3/8"	390

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

To order vacuum cup holders with L fittings, add the letter L to the code.

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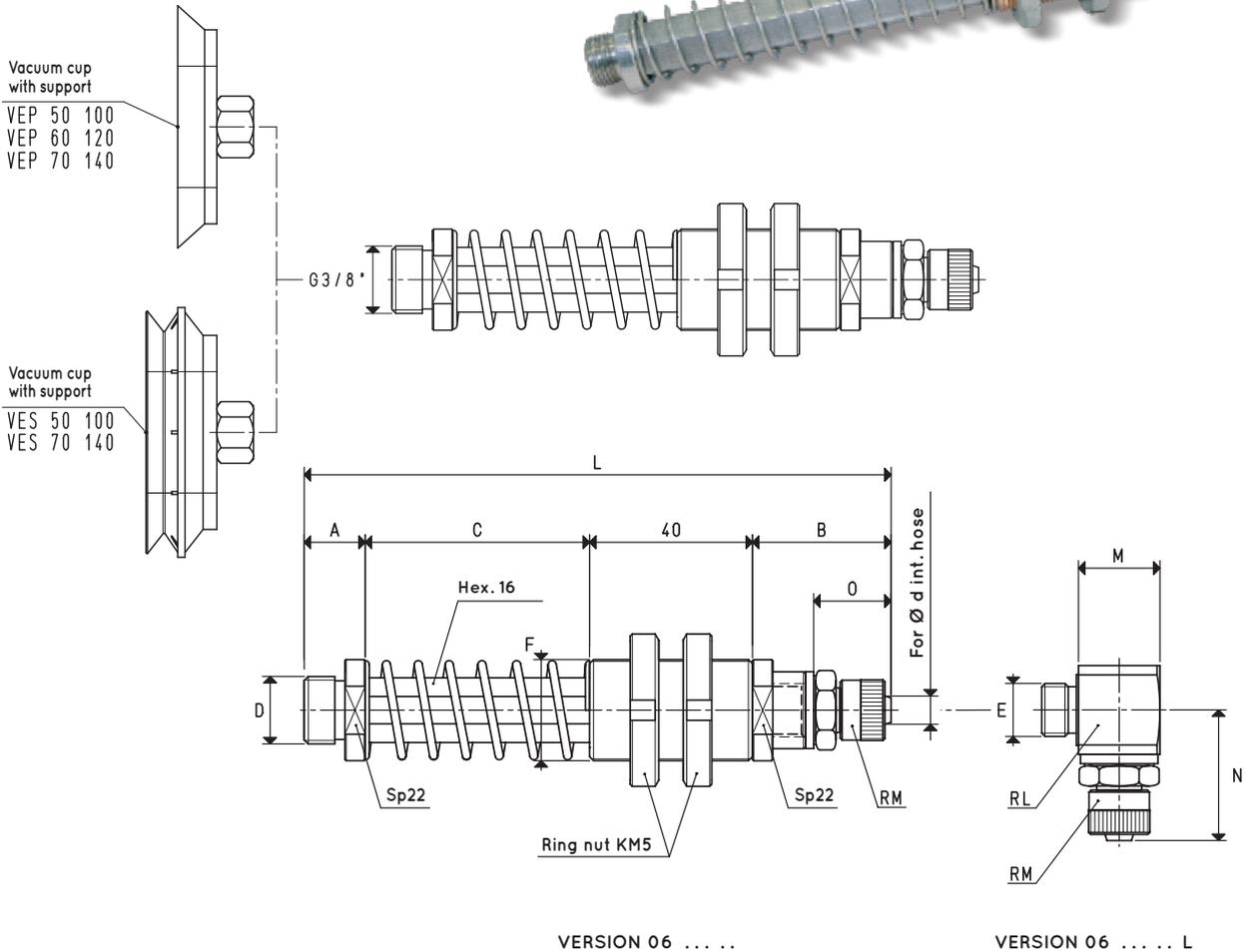
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<b>For vacuum cup item</b>																
VEP 50 100 - VEP 60 120 - VEP 70 140 - VES 50 100 - VES 70 140																

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