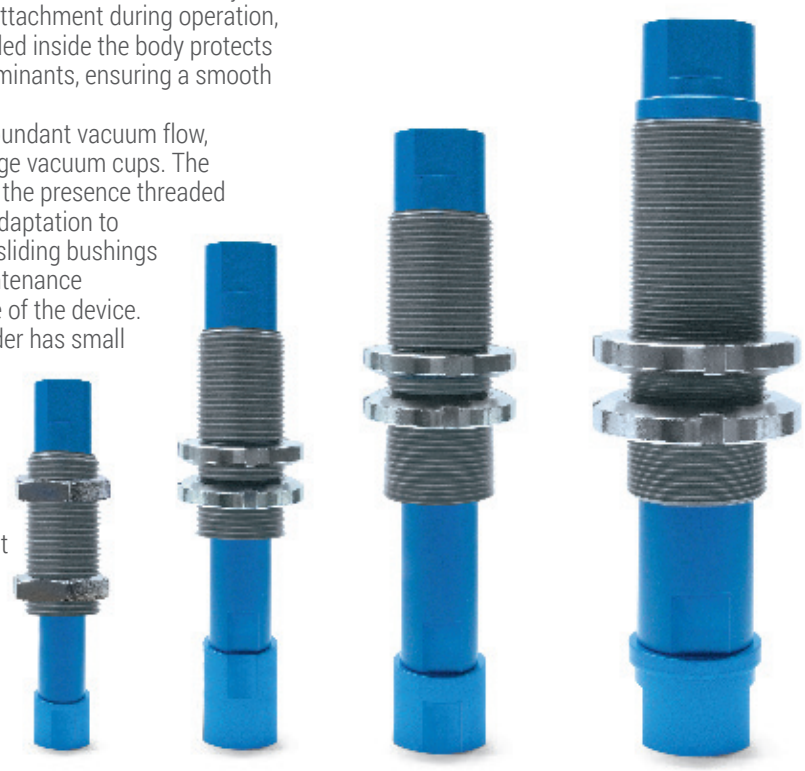
ANTI-ROTATION VACUUM CUP HOLDERS WITH BUILT-IN SPRING AND FEMALE CONNECTOR

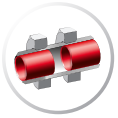
Anti-rotation vacuum cup holders with built-in spring are aluminium components designed to ensure high performance in gripping and handling systems. The aluminium structure offers lightness and strength, while the anti-rotation system prevents unwanted rotation of the vacuum cup or attachment during operation, ensuring precision and stability. The spring embedded inside the body protects the elastic mechanism from impact, dirt and contaminants, ensuring a smooth and consistent response.

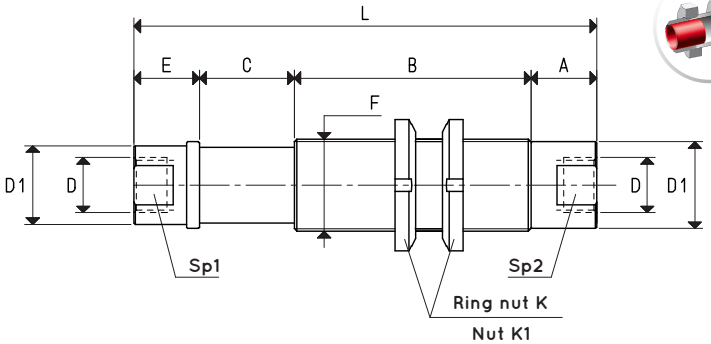
The large inner passage cross-section allows for abundant vacuum flow, promoting rapid grip and release cycles even on large vacuum cups. The mounting adjustment is particularly wide thanks to the presence threaded bushing, which allows for precise positioning and adaptation to different distances and configurations. The plastic sliding bushings ensure smooth, quiet movement with reduced maintenance requirements, contributing to the long operating life of the device. Despite its advanced features, the vacuum cup holder has small overall dimensions, making it easy to integrate even in confined spaces or in applications where compact components are required. The system is equipped with two lock nuts, which ensure secure and stable fastening during mounting. The male and female threaded connections allow for quick, easy connection to the system, adapting to different mechanical configurations.

All these features make the vacuum cup holder ideal for use in robotics, Pick & Place systems, industrial automation and all applications where precision, reliability and ease of adjustment are required.



Equipped with anti-friction bushes





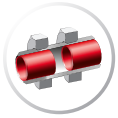
Art.	A	B	(C) Actual spring stroke mm	Spring thrust force N (1)	Sp1	Sp2	D Ø	D1 Ø	E	F Ø	K	K1	L	Through hole Ø	Weight g
VCH 18 F 20	18	38.5	20	9.0	12	12	G1/8"	14	12	M16x1	---	19	88.5	5	36
VCH 18 F 35	18	58.5	35	9.5	12	12	G1/8"	14	12	M16x1	---	19	123.5	5	46
VCH 14 F 25	22	50	25	11.0	16	16	G1/4"	18	25	M20x1	KM4	---	122	7	70
VCH 14 F 50	22	82.5	50	11.4	16	16	G1/4"	18	25	M20x1	KM4	---	179.5	7	100
VCH 38 F 40	19	71	40	16.5	21	21	G3/8"	23	19	M25x1.5	KM5	---	149	10	174
VCH 38 F 80	19	121	80	17.0	21	21	G3/8"	23	19	M25x1.5	KM5	---	240	10	250
VCH 12 F 36	25	90	36	20.7	26	26	G1/2"	30	19	M35x1.5	KM7	---	176	15	372

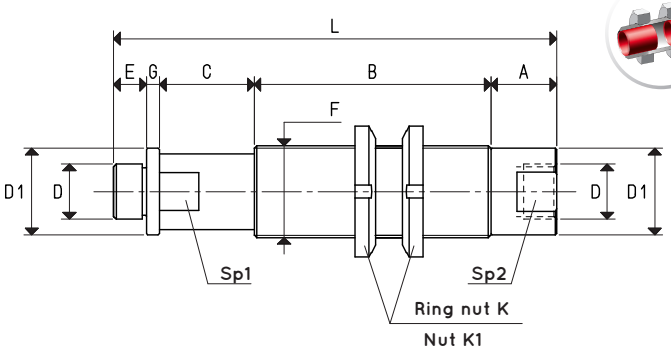
Note: The vacuum cup holder's lifting force depends directly on the vacuum cup model applied to it.
The vacuum cups are not integral parts of the cup holders and, therefore, must be ordered separately.

Transformation ratio: N (newton) = Kg x 9.81 (force of gravity) inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

ANTI-ROTATION VACUUM CUP HOLDERS WITH BUILT-IN SPRING AND MALE CONNECTOR

Equipped with anti-friction bushes





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VCH 18 M 20	18	38.5	20	9.0	12	12	G1/8"	14	12	M16x1	2	---	19	88.5	5	36
VCH 18 M 35	18	58.5	35	9.5	12	12	G1/8"	14	12	M16x1	2	---	19	123.5	5	46
VCH 14 M 25	22	50	25	11.0	16	16	G1/4"	18	25	M20x1	16	KM4	---	127	7	70
VCH 14 M 50	22	82.5	50	11.4	16	16	G1/4"	18	25	M20x1	16	KM4	---	184.5	7	100
VCH 38 M 40	19	71	40	16.5	21	21	G3/8"	23	19	M25x1.5	5	KM5	---	150	10	174
VCH 38 M 80	19	121	80	17.0	21	21	G3/8"	23	19	M25x1.5	5	KM5	---	240	10	250
VCH 12 M 36	25	90	36	20.7	26	26	G1/2"	33	19	M35x1.5	5	KM7	---	176	15	369

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