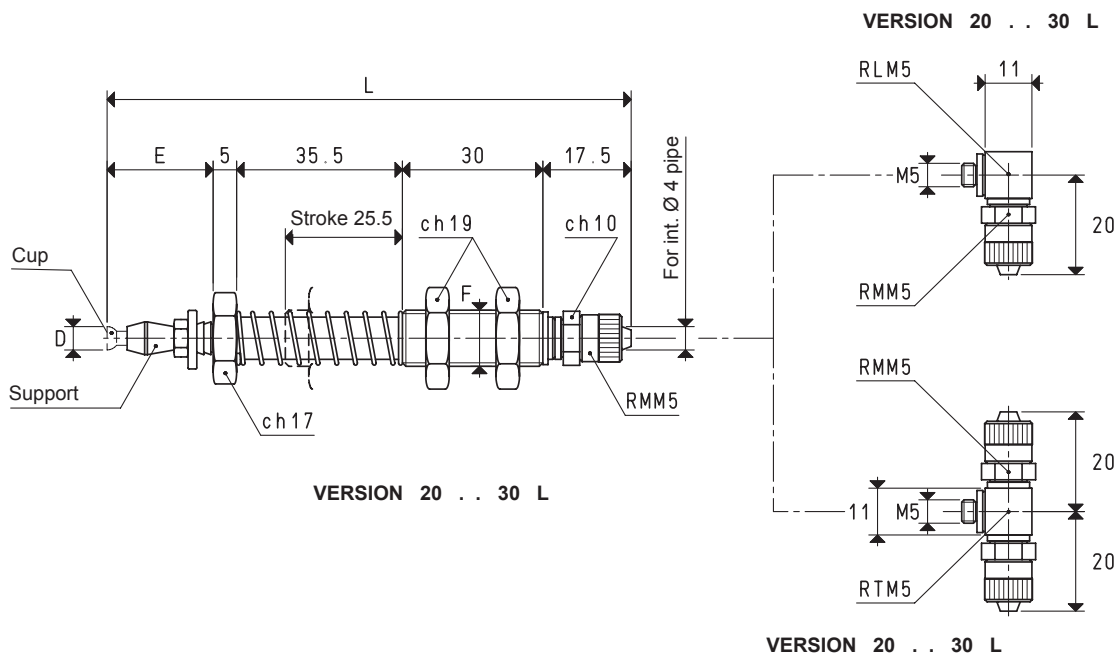
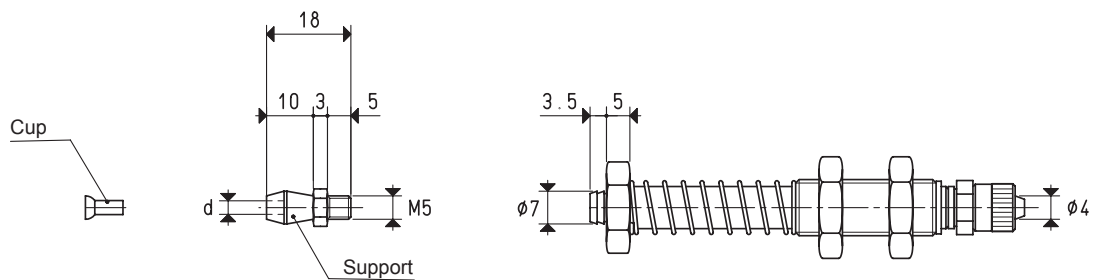
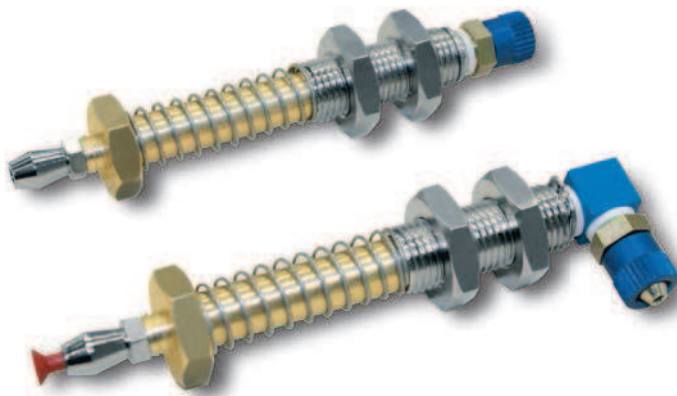


MINI CUP HOLDERS

The main feature of the cup holders described in these pages is their reduced size, which results in a reduced weight and bulk. They allow using even very small cups, guaranteeing, given the same diameter, the same performance as the larger series.

They are composed of:

- A brass stem for fastening the cup;
- A threaded sleeve equipped with nuts, for mounting the cup holder on the machine;
- A spring to cushion the impact of the cup and to keep, at the same time, a constant pressure with the load to be lifted;
- A quick coupling for connection with the suction hose.



CUP HOLDERS WITH STRAIGHT QUICK COUPLER FOR PLASTIC HOSE Ø 4 X 6

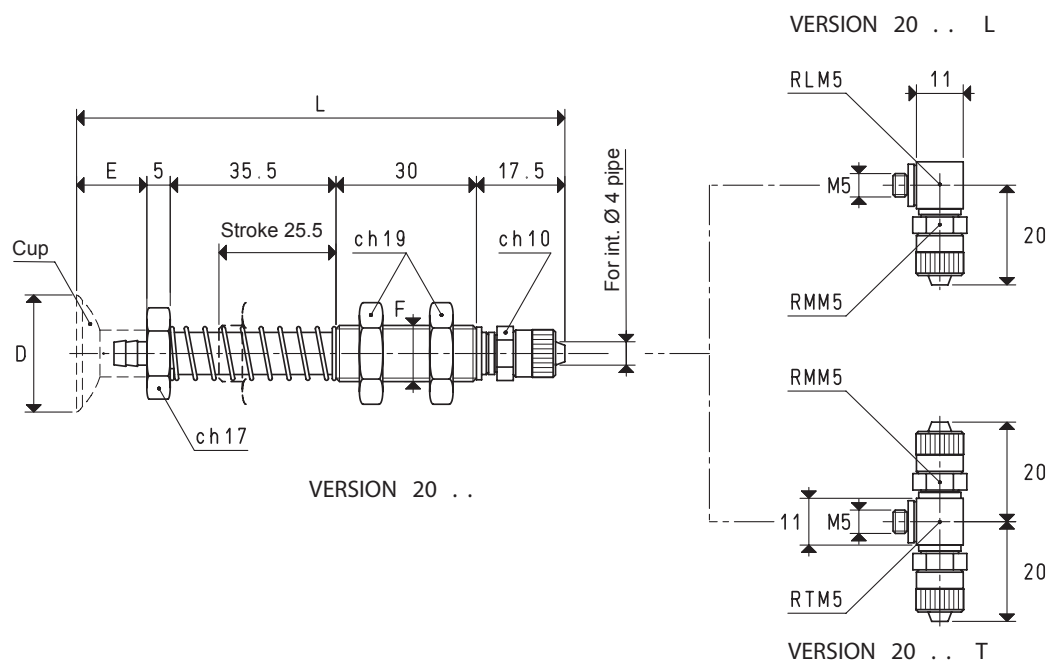
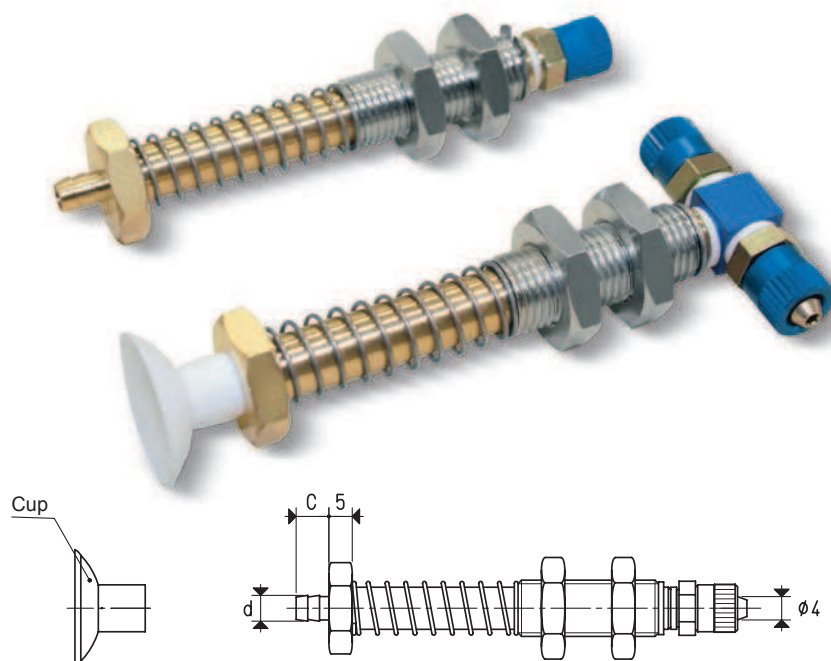
Art.	Force Kg	d Ø	D Ø	E	F Ø	L	Cup art.	Support included art.	Weight g
20 04 30	0.03	2.90	4.0	21.0	M12 x 1.25	109.0	01 04 10	00 08 01	74
20 05 30	0.05	2.90	5.0	21.5	M12 x 1.25	109.5	01 05 10	00 08 01	74
20 06 30	0.07	2.90	6.0	21.5	M12 x 1.25	109.5	01 06 10	00 08 01	74
20 08 30	0.12	4.75	8.0	21.5	M12 x 1.25	109.5	01 08 10	00 08 02	74
20 09 30	0.15	4.75	9.0	20.5	M12 x 1.25	108.5	01 09 07	00 08 02	74

Note: Cups are not an integral part of the cup holders, therefore, they must be ordered separately.

Add the letter L or T to the code to order cup holders with L or T-type fitting.

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

MINI CUP HOLDERS

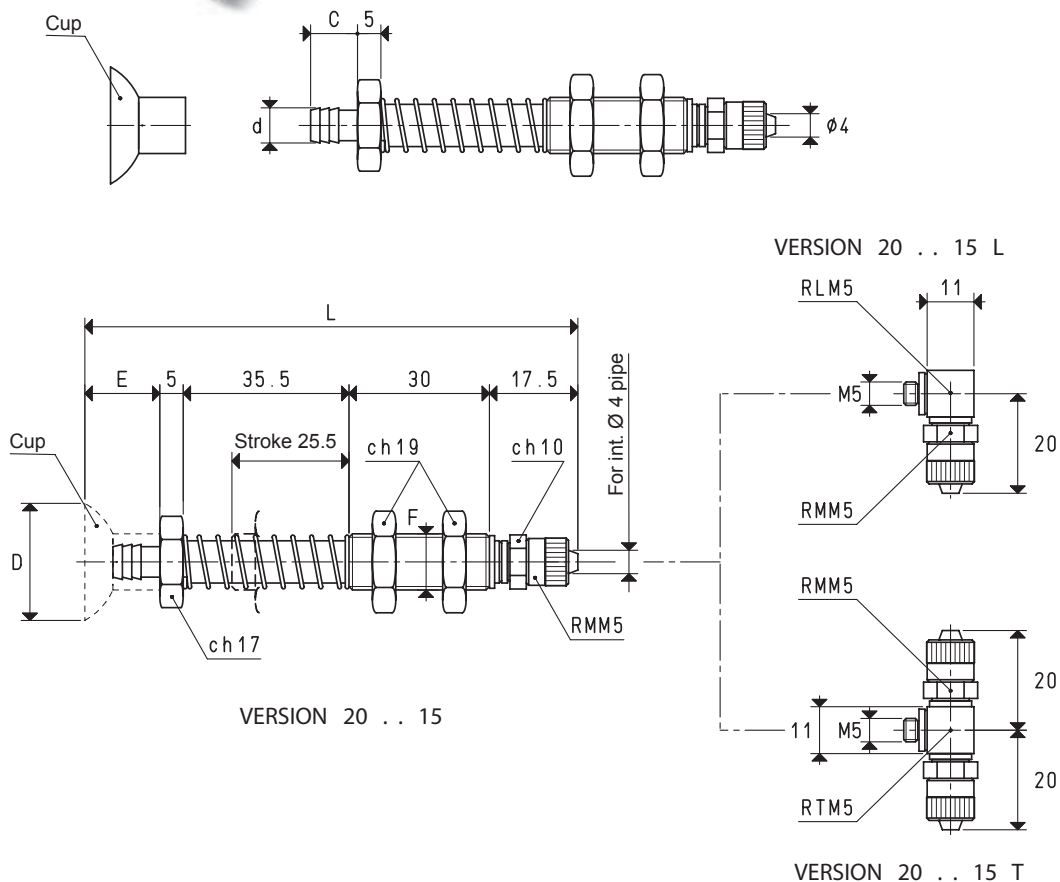
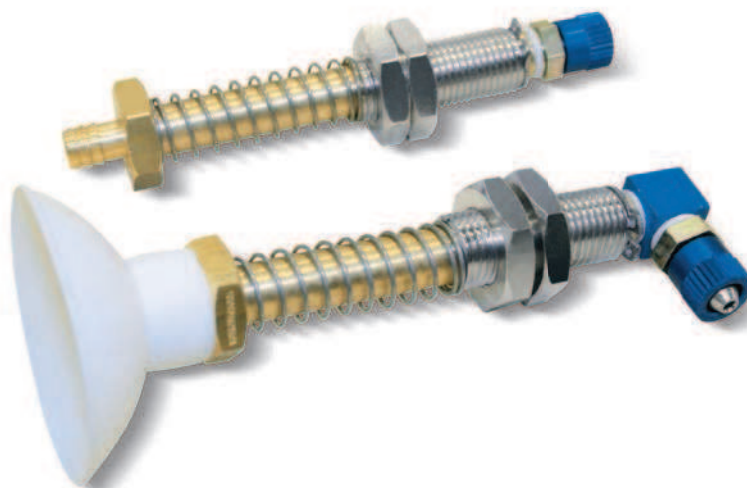


CUP HOLDERS WITH STRAIGHT QUICK COUPLER FOR PLASTIC HOSE Ø 4 X 6

Art.	Force Kg	C	d Ø	D Ø	E	F Ø	L	Cup art.	Weight g
20 10 30	0.19	7.0	5.5	10.0	11.0	M12 x 1.25	99.0	01 10 10	70.0
20 12 30	0.28	7.0	5.5	12.0	11.0	M12 x 1.25	99.0	01 12 10	70.6
20 14 15	0.38	7.5	6.5	14.0	15.0	M12 x 1.25	103.0	01 14 15	70.5
20 14 30	0.38	7.0	5.5	14.0	10.0	M12 x 1.25	98.0	01 14 10	70.4
20 15 30	0.44	7.0	5.5	15.0	12.0	M12 x 1.25	100.0	01 15 10	70.7
20 17 30	0.60	7.0	5.5	17.0	11.0	M12 x 1.25	99.0	01 17 12	70.7
20 18 12	0.63	7.5	6.5	18.0	10.0	M12 x 1.25	98.0	01 18 12	70.8
20 18 30	0.63	7.0	5.5	18.0	12.0	M12 x 1.25	100.0	01 18 10	70.7
20 20 30	0.78	7.0	5.5	20.0	12.0	M12 x 1.25	100.0	01 20 10	70.8
20 22 30	0.95	7.0	5.5	22.0	13.0	M12 x 1.25	101.0	01 22 10	71.2

Note: Cups are not an integral part of the cup holders, therefore, they must be ordered separately.

Add the letter L or T to the code to order cup holders with L or T-type fitting.



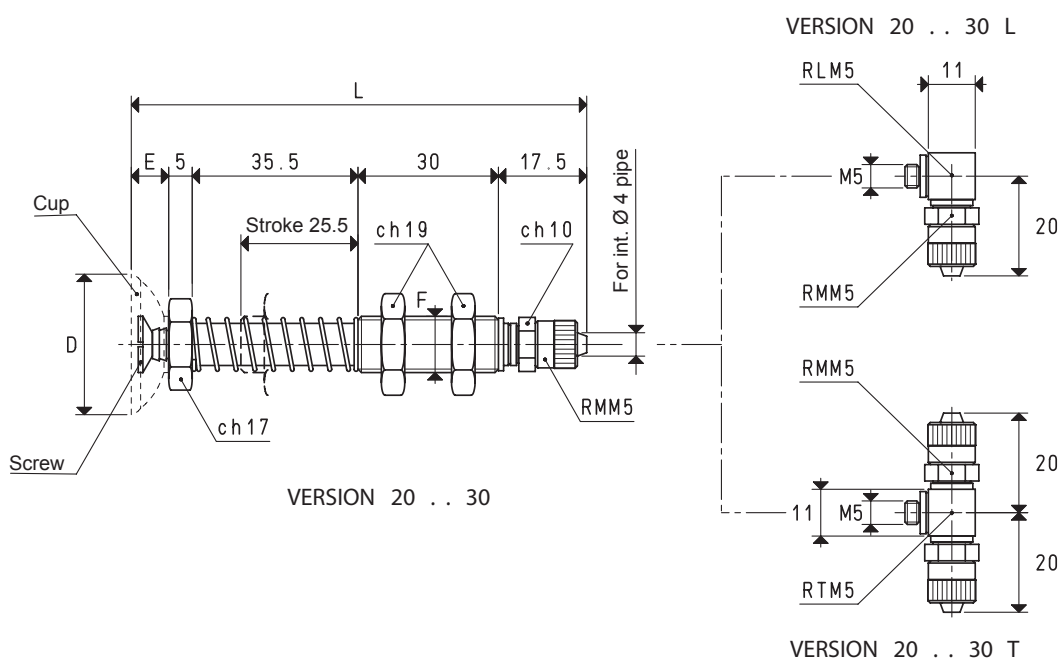
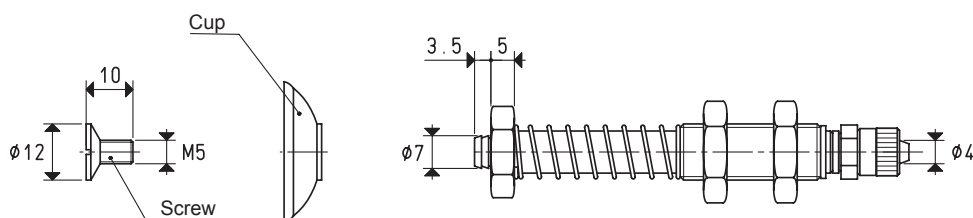
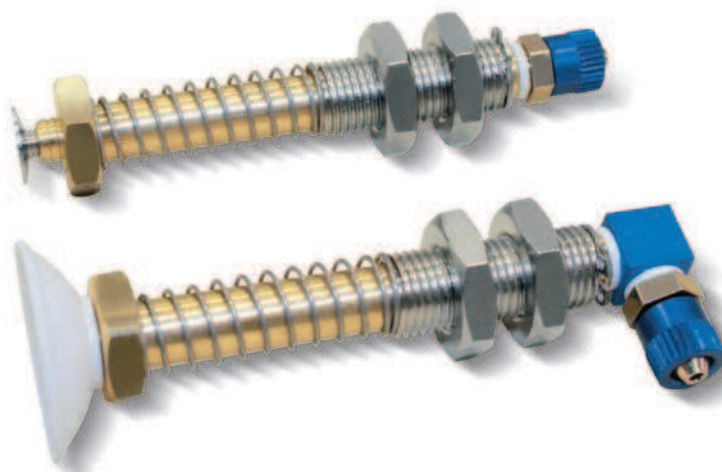
CUP HOLDERS WITH STRAIGHT QUICK COUPLER FOR PLASTIC HOSE Ø 4 X 6

Art.	Force Kg	C	d Ø	D Ø	E	F Ø	L	Cup art.	Weight g
20 25 15	1.23	10	7.5	25	16	M12 x 1.25	104	01 25 15	76.0
20 30 15	1.76	10	7.5	30	17	M12 x 1.25	105	01 30 15	76.7
20 35 15	2.40	10	12.0	35	16	M12 x 1.25	104	01 35 15	76.6
20 40 15	3.14	10	12.0	40	18	M12 x 1.25	106	01 40 15	77.1
20 45 15	3.98	10	12.0	45	23	M12 x 1.25	111	01 45 15	80.6

Note: Cups are not an integral part of the cup holders, therefore, they must be ordered separately.

Add the letter L or T to the code to order cup holders with L or T-type fitting.

MINI CUP HOLDERS

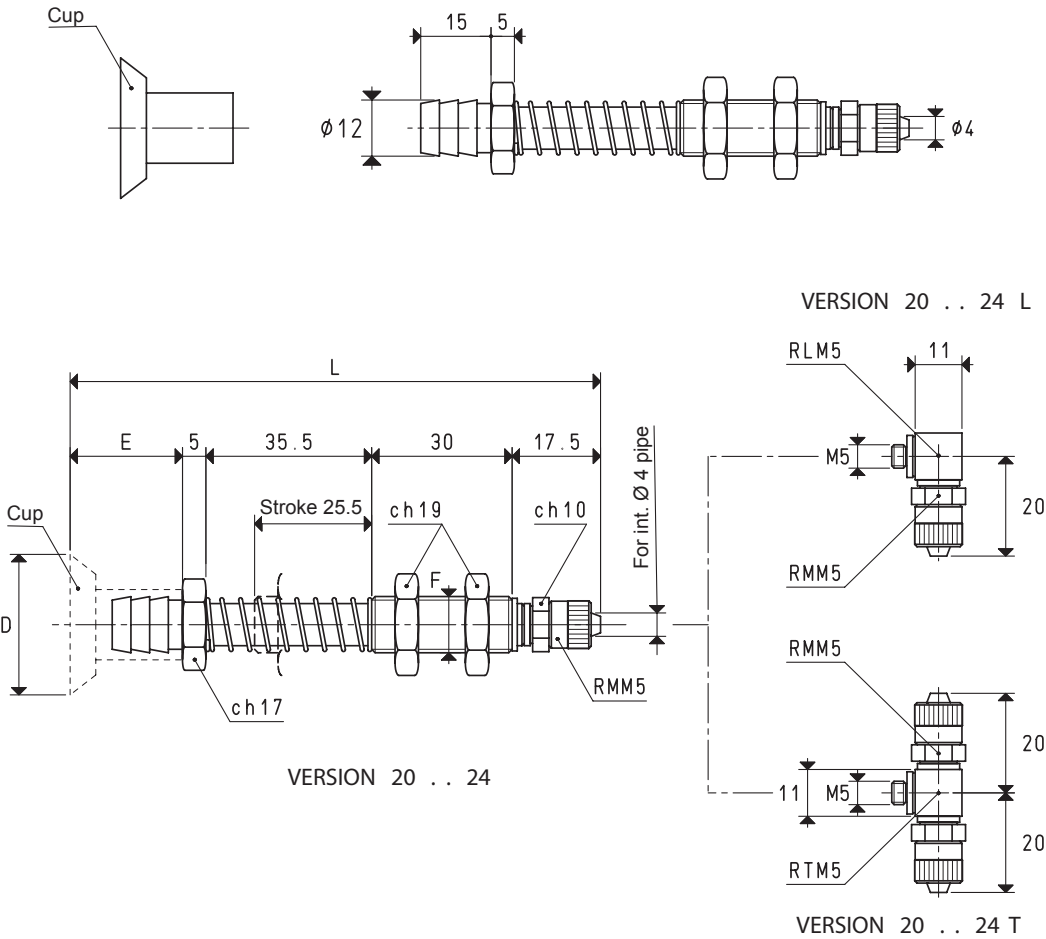
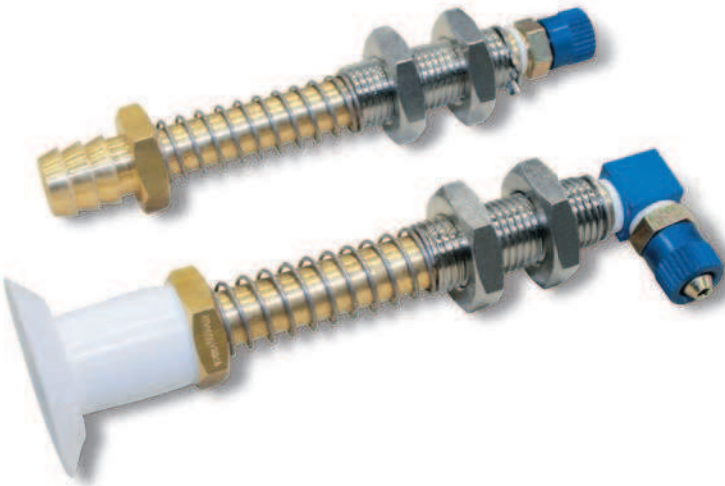


CUP HOLDERS WITH STRAIGHT QUICK COUPLER FOR PLASTIC HOSE Ø 4 X 6

Art.	Force Kg	D Ø	E	F Ø	L	Cup art.	Screw included art.	Weight g
20 25 30	1.23	25.0	8	M12 x 1.25	96	01 25 10	00 20 12	75.2
20 30 30	1.76	30.0	8	M12 x 1.25	96	01 30 10	00 20 12	75.9
20 35 30	2.40	35.0	8	M12 x 1.25	96	01 35 10	00 20 12	76.4

Note: Cups are not an integral part of the cup holders, therefore, they must be ordered separately.

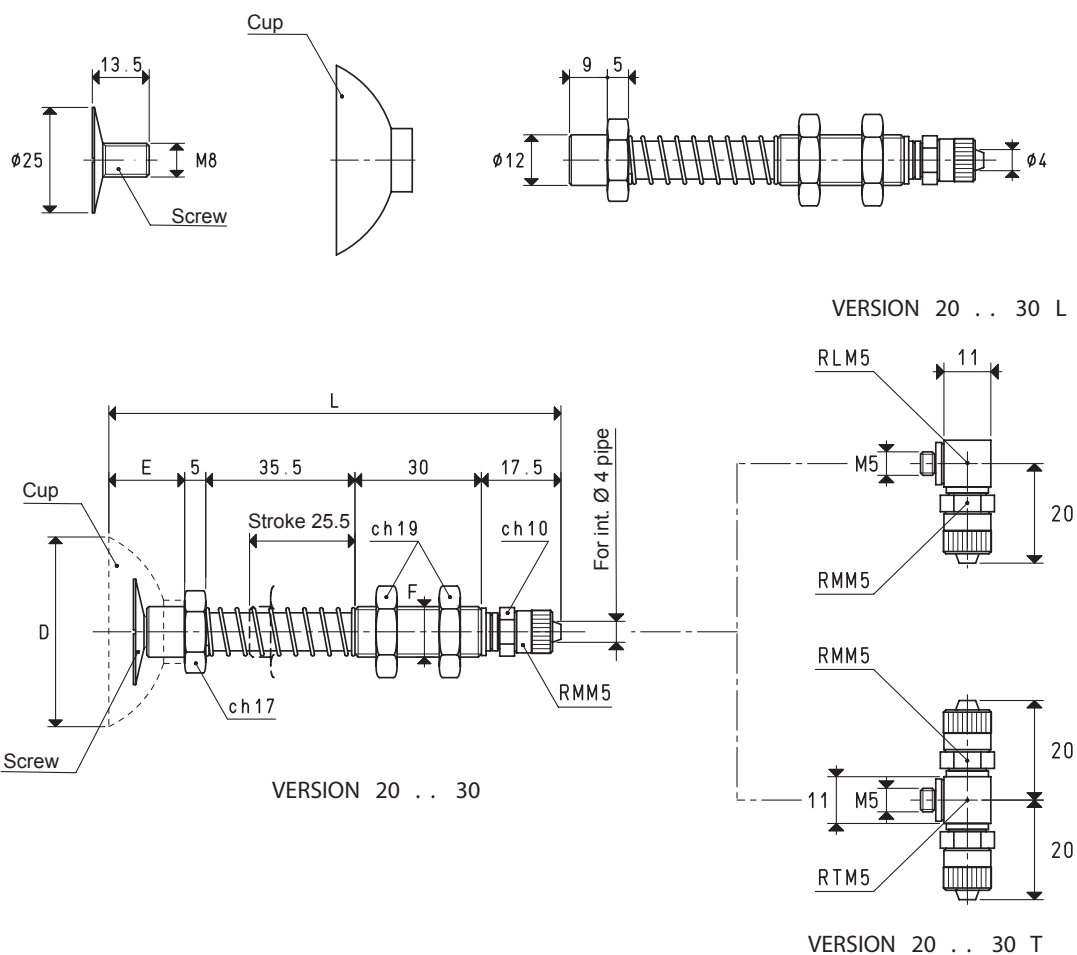
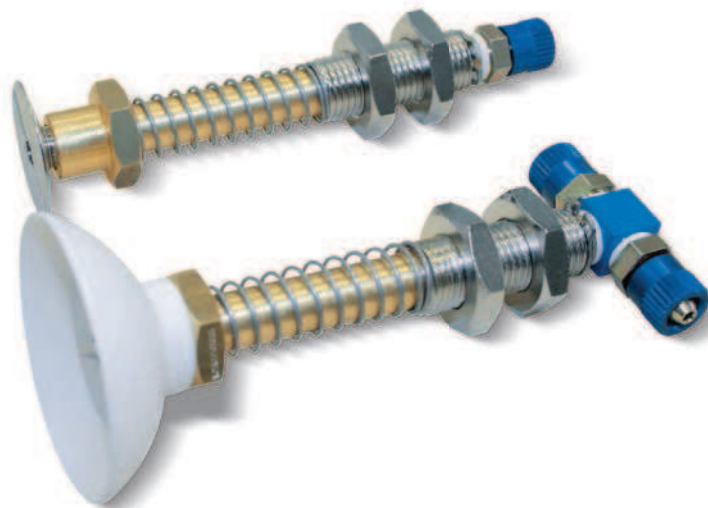
Add the letter L or T to the code to order cup holders with L or T-type fitting.



CUP HOLDERS WITH STRAIGHT QUICK COUPLER FOR PLASTIC HOSE Ø 4 X 6							
Art.	Force Kg	D Ø	E	F Ø	L	Cup art.	Weight g
20 27 24	1.43	27.0	24	M12 x 1.25	112	01 27 24	76.8
20 30 24	1.76	30.0	24	M12 x 1.25	112	01 30 24	76.9

Note: Cups are not an integral part of the cup holders, therefore, they must be ordered separately.
Add the letter L or T to the code to order cup holders with L or T-type fitting.

MINI CUP HOLDERS

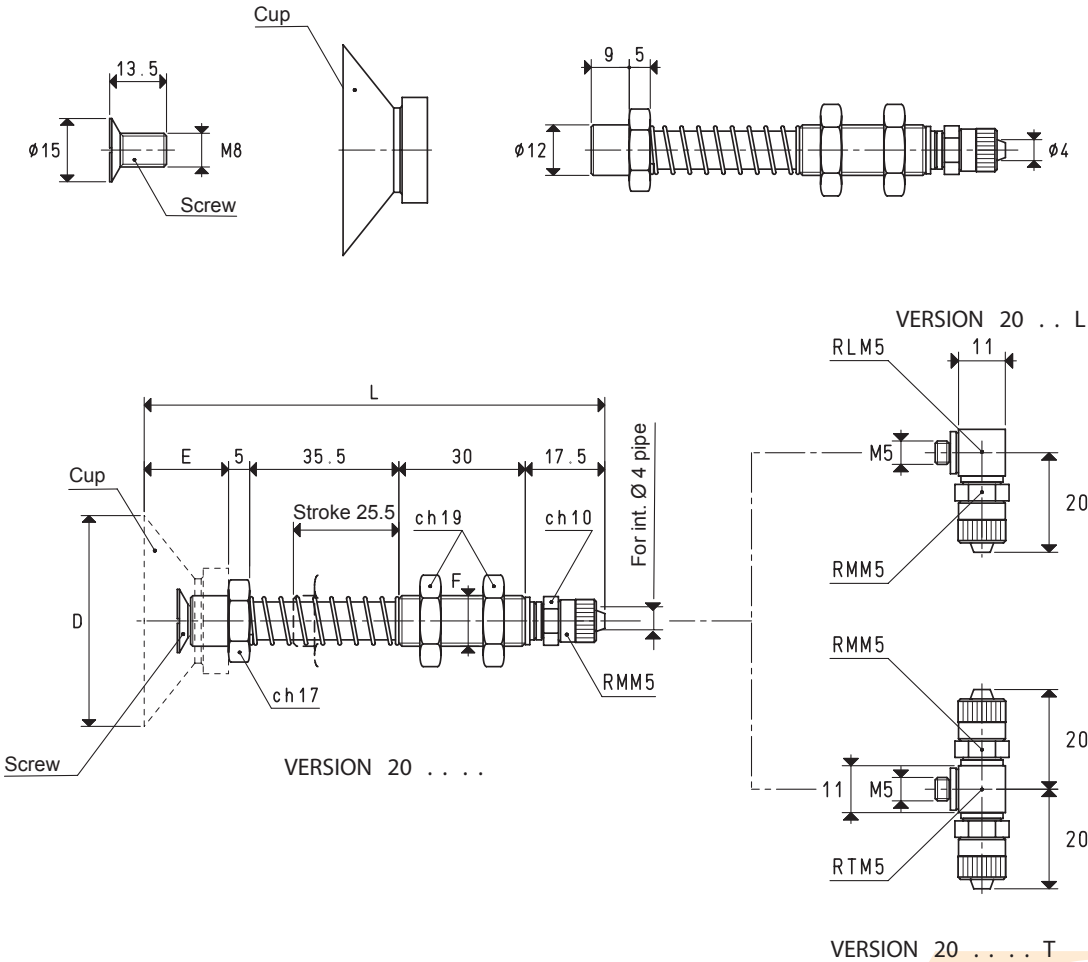
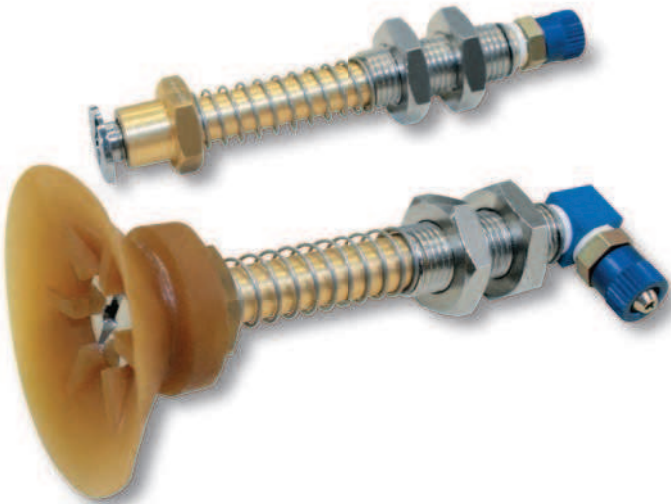


CUP HOLDERS WITH STRAIGHT QUICK COUPLER FOR PLASTIC HOSE Ø 4 X 6

Art.	Force Kg	D Ø	E	F Ø	L	Cup art.	Screw included art.	Weight g
20 45 30	3.98	45	18	M12 x 1.25	106	01 45 10	00 20 13	80.7
20 60 30	7.06	60	22	M12 x 1.25	110	01 60 10	00 20 13	88.9

Note: Cups are not an integral part of the cup holders, therefore, they must be ordered separately.

Add the letter L or T to the code to order cup holders with L or T-type fitting.



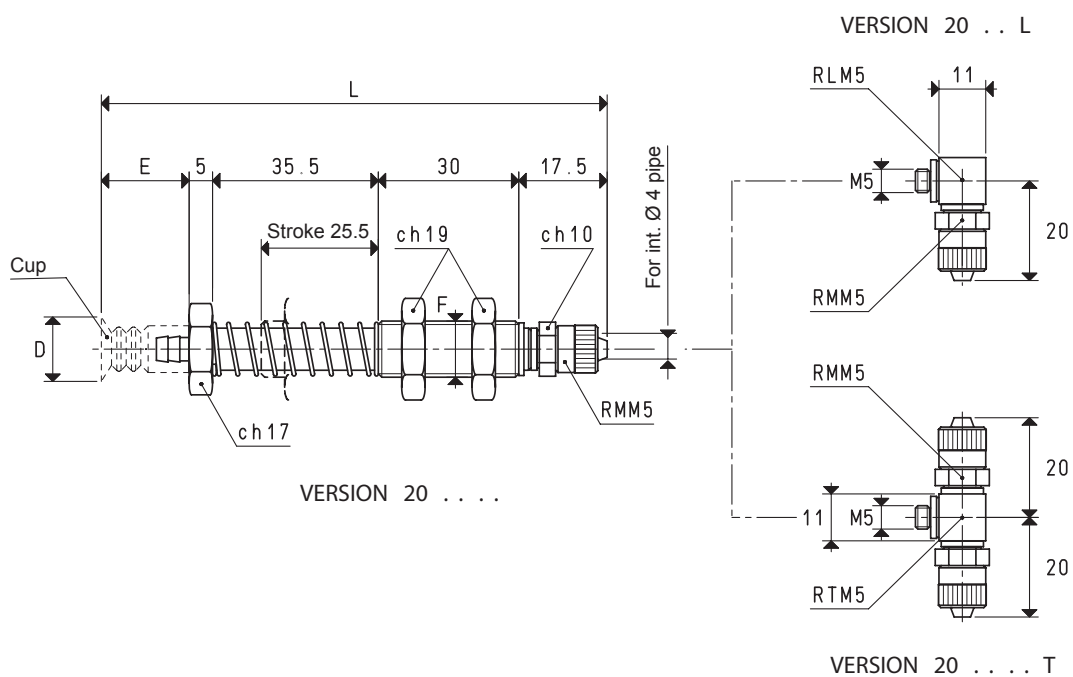
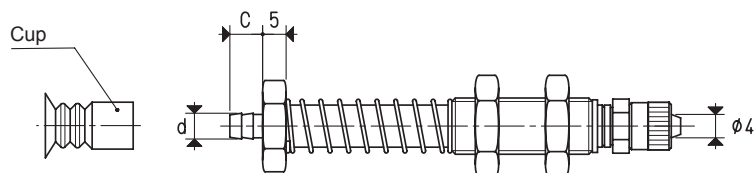
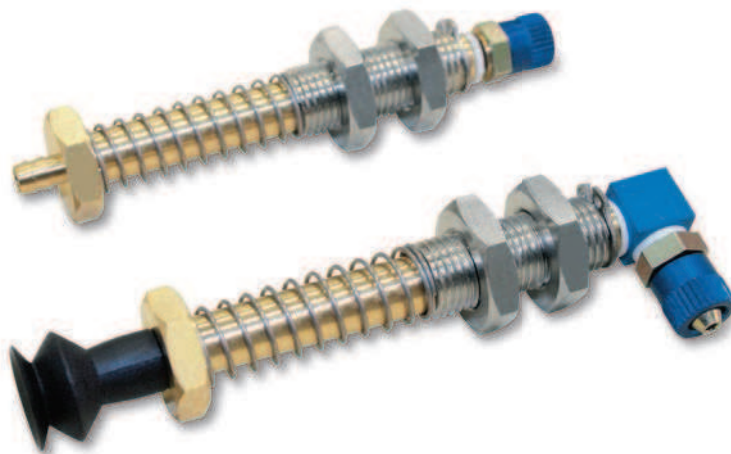
CUP HOLDERS WITH STRAIGHT QUICK COUPLER FOR PLASTIC HOSE Ø 4 X 6

Art.	Force Kg	D Ø	E	F Ø	L	Cup art.	Screw included art.	Weight g
20 50 20	4.90	50	20	M12 x 1.25	108	01 50 20	00 20 14	82.0
20 65 28	8.20	65	28	M12 x 1.25	116	01 65 28	00 20 14	89.7

Note: Cups are not an integral part of the cup holders, therefore, they must be ordered separately.
Add the letter L or T to the code to order cup holders with L or T-type fitting.

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

MINI CUP HOLDERS FOR BELLOW CUPS

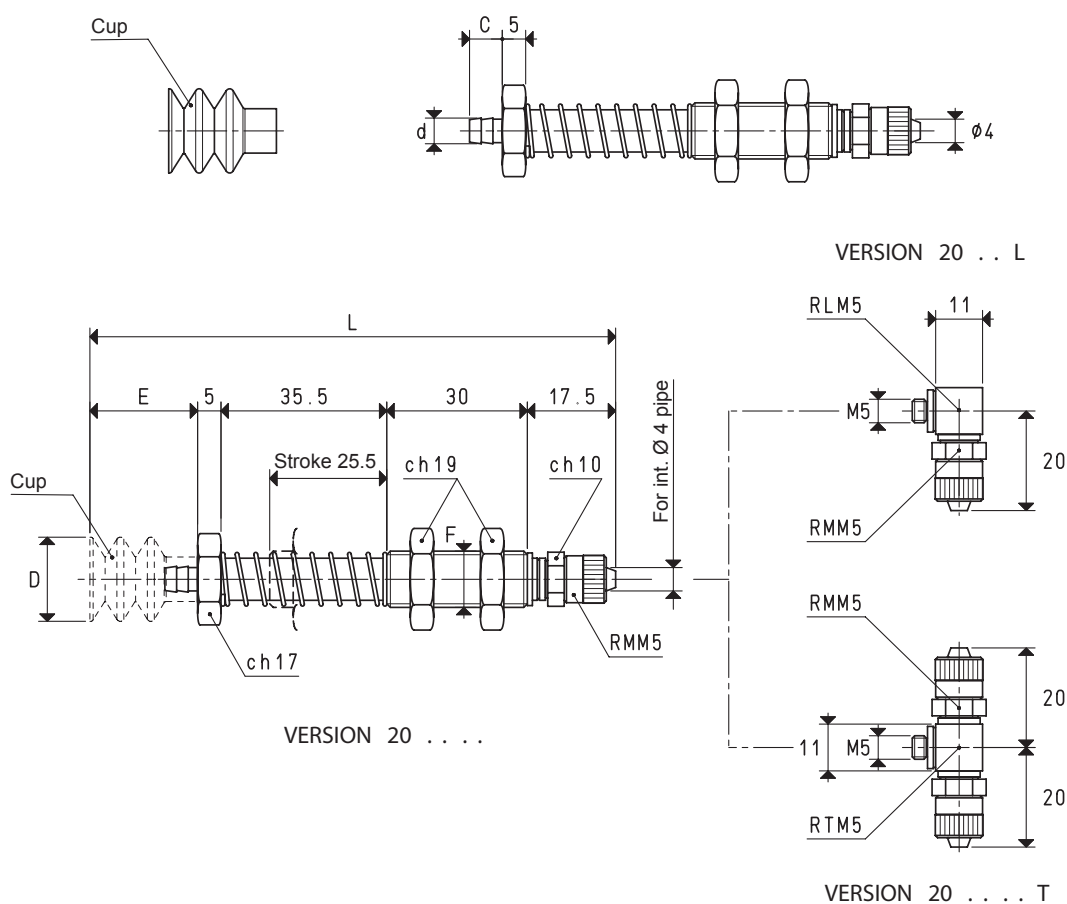
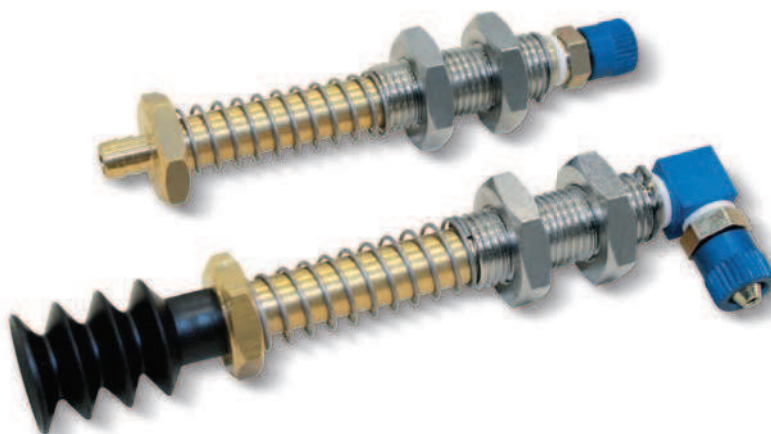


CUP HOLDERS WITH STRAIGHT QUICK COUPLER FOR PLASTIC HOSE Ø 4 X 6

Art.	Force Kg	C	d Ø	D Ø	E	F Ø	L	Cup art.	Weight g
20 06 50	0.07	7	5.5	6	15	M12 x 1.25	103	01 06 50	70.4
20 08 50	0.12	7	5.5	8	15	M12 x 1.25	103	01 08 50	70.5
20 11 16	0.23	7	5.5	11	20	M12 x 1.25	108	01 11 16	70.7
20 11 50	0.23	7	5.5	11	15	M12 x 1.25	103	01 11 50	70.6
20 16 30	0.50	7	5.5	16	20	M12 x 1.25	108	01 16 20	71.0

Note: Cups are not an integral part of the cup holders, therefore, they must be ordered separately.

Add the letter L or T to the code to order cup holders with L or T-type fitting.



CUP HOLDERS WITH STRAIGHT QUICK COUPLER FOR PLASTIC HOSE Ø 4 X 6

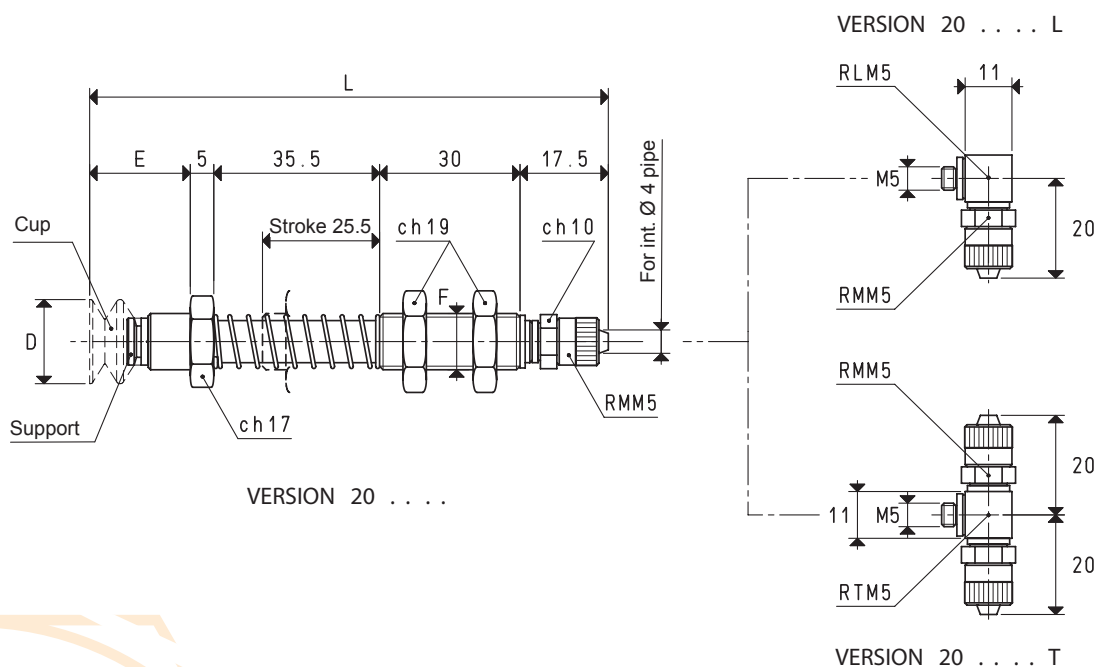
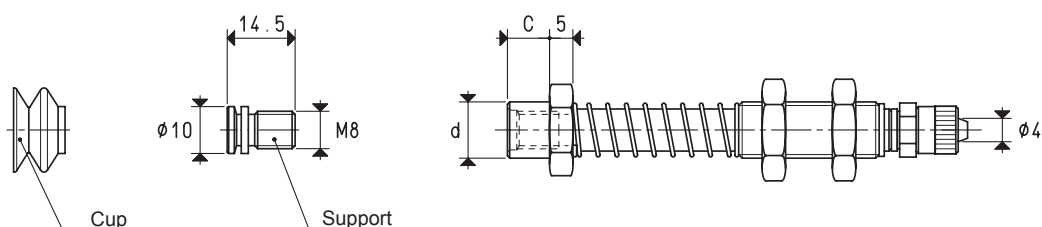
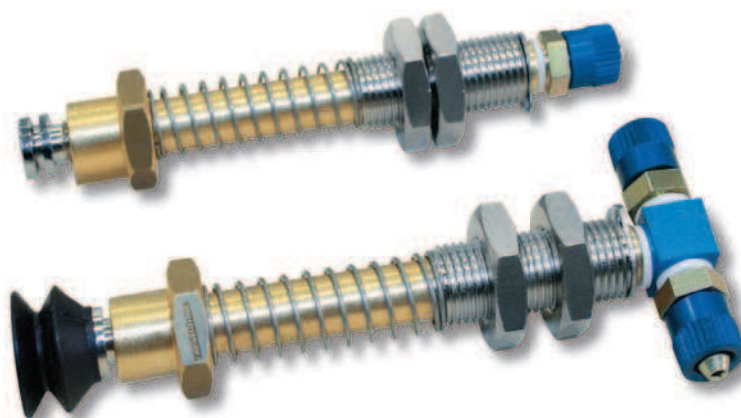
Art.	Force Kg	C	d	D Ø	E	F	L	Cup art.	Weight g
20 15 23	0.44	7.5	6.5	15	23	M12 x 1.25	111	01 15 23	71.3
20 18 23	0.63	7.5	6.5	18	23	M12 x 1.25	111	01 18 23	71.5
20 18 29	0.63	7.5	6.5	18	29	M12 x 1.25	117	01 18 29	71.8
20 18 35	0.63	7.5	6.5	18	35	M12 x 1.25	123	01 18 35	72.3

Note: Cups are not an integral part of the cup holders, therefore, they must be ordered separately.

Add the letter L or T to the code to order cup holders with L or T-type fitting.

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

MINI CUP HOLDERS FOR BELLOW CUPS

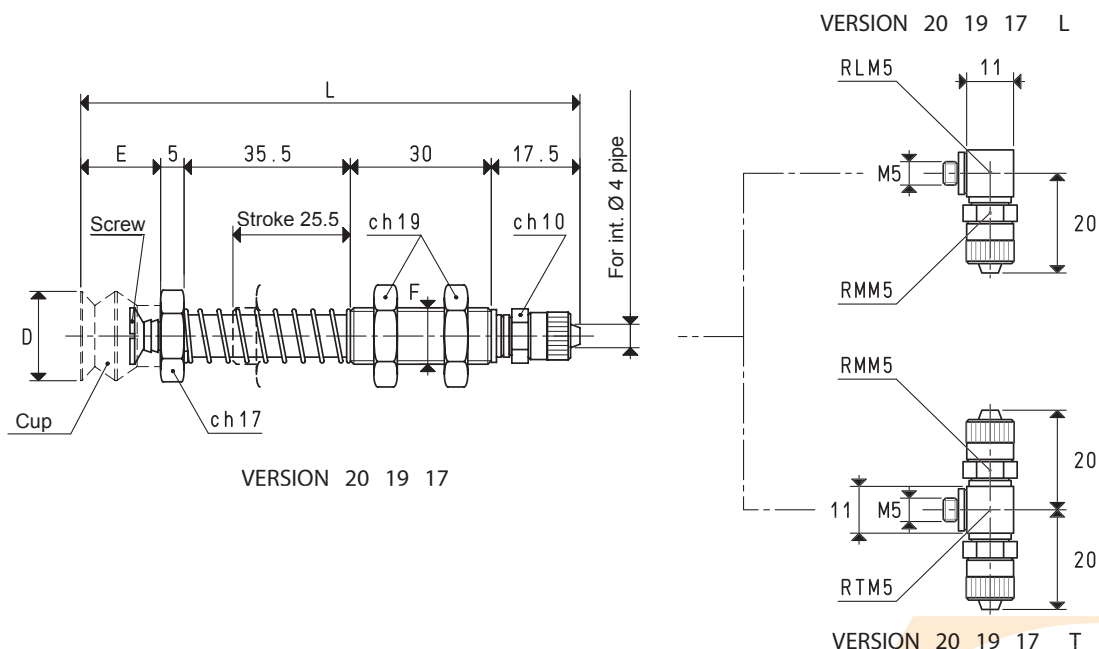
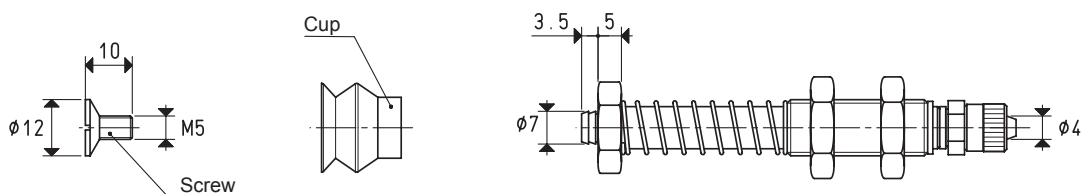
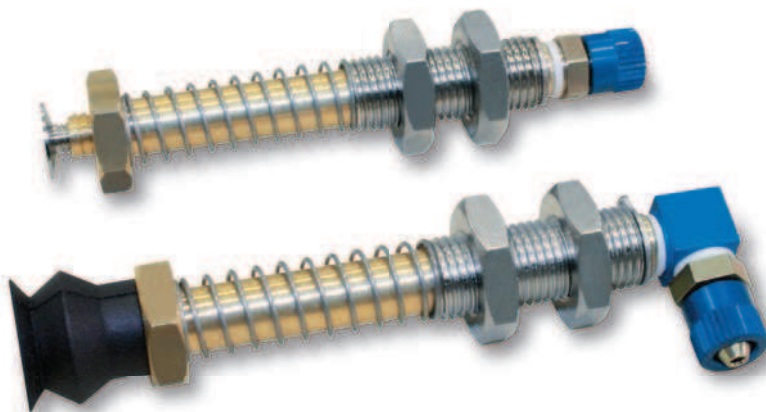


CUP HOLDERS WITH STRAIGHT QUICK COUPLER FOR PLASTIC HOSE Ø 4 X 6

Art.	Force Kg	C	d Ø	D Ø	E	F Ø	L	Cup art.	Support included art.	Weight g
20 18 50	0.63	9	12	18	21.5	M12 x 1.25	109.5	01 18 50	00 08 07	82.7
20 20 62	0.78	9	12	20	56.5	M12 x 1.25	144.5	01 20 60	00 08 07	86.2

Note: Cups are not an integral part of the cup holders, therefore, they must be ordered separately.

Add the letter L or T to the code to order cup holders with L or T-type fitting.



CUP HOLDERS WITH STRAIGHT QUICK COUPLER FOR PLASTIC HOSE Ø 4 X 6

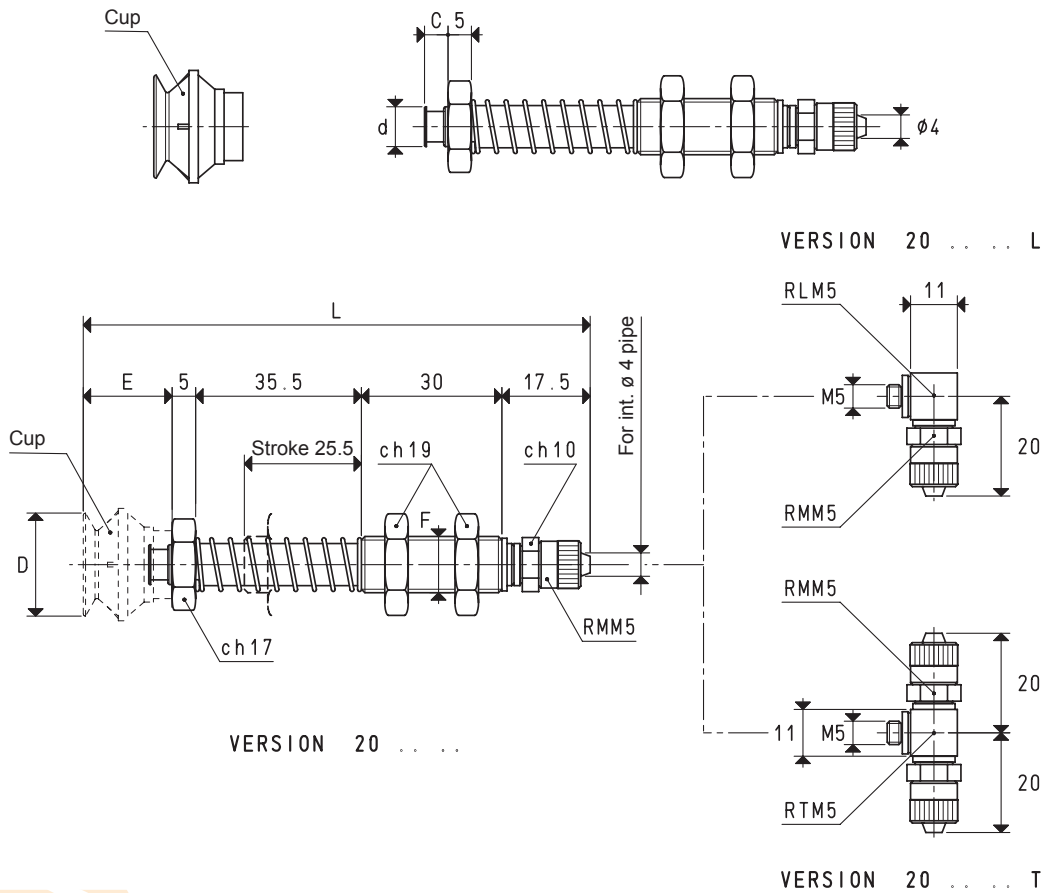
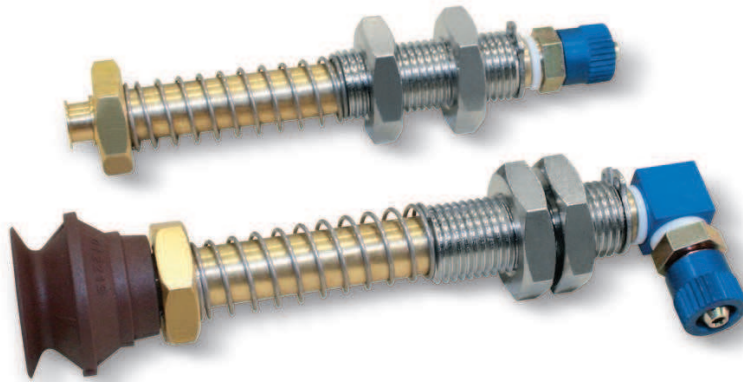
Art.	Force Kg	D Ø	E	F Ø	L	Cup art.	Screw included art.	Weight g
20 19 17	0.70	19	17	M12 x 1.25	105	01 19 17	00 20 12	75.3

Note: Cups are not an integral part of the cup holders, therefore, they must be ordered separately.

Add the letter L or T to the code to order cup holders with L or T-type fitting.

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

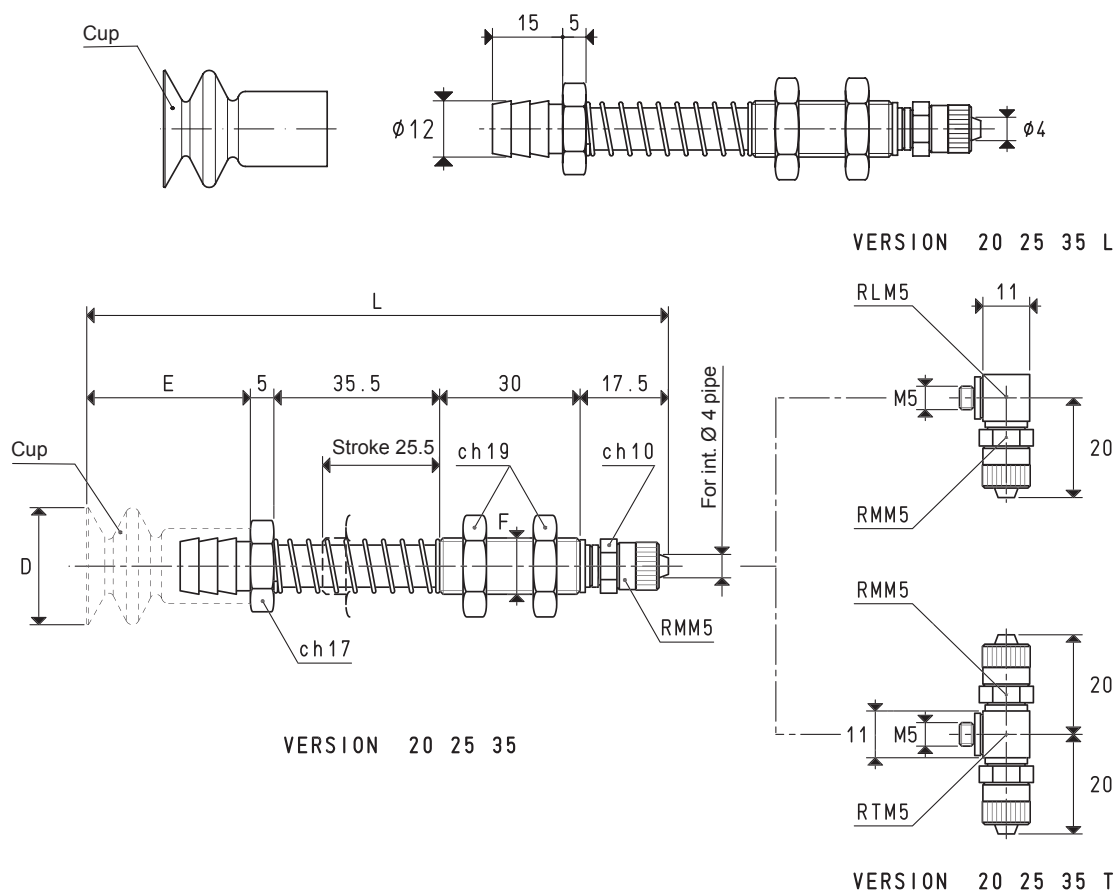
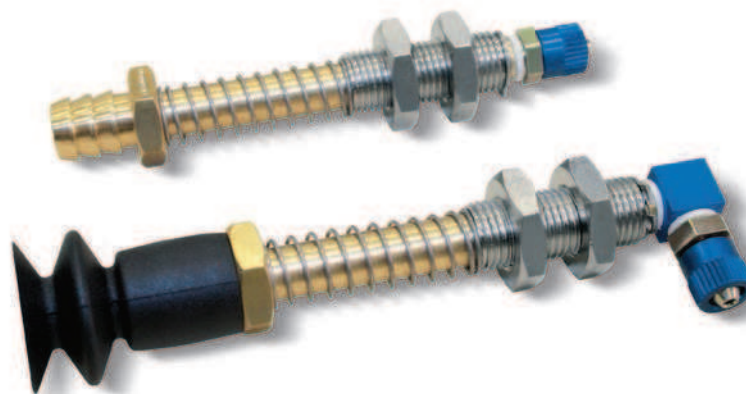
MINI CUP HOLDERS FOR BELLOW CUPS



CUP HOLDERS WITH STRAIGHT QUICK COUPLER FOR PLASTIC HOSE Ø 4 X 6

Art.	Force Kg	C	d Ø	D Ø	E	F Ø	L	Cup art.	Weight g
20 20 23	0.78	5	8.5	20	23	M12 x 1.25	111	01 20 23	73.8
20 22 19	0.95	5	8.5	22	19	M12 x 1.25	107	01 22 19	74.7
20 34 26	2.26	5	8.5	34	26	M12 x 1.25	114	01 34 26	77.7

Note: Cups are not an integral part of the cup holders, therefore, they must be ordered separately.
Add the letter L or T to the code to order cup holders with L or T-type fitting.



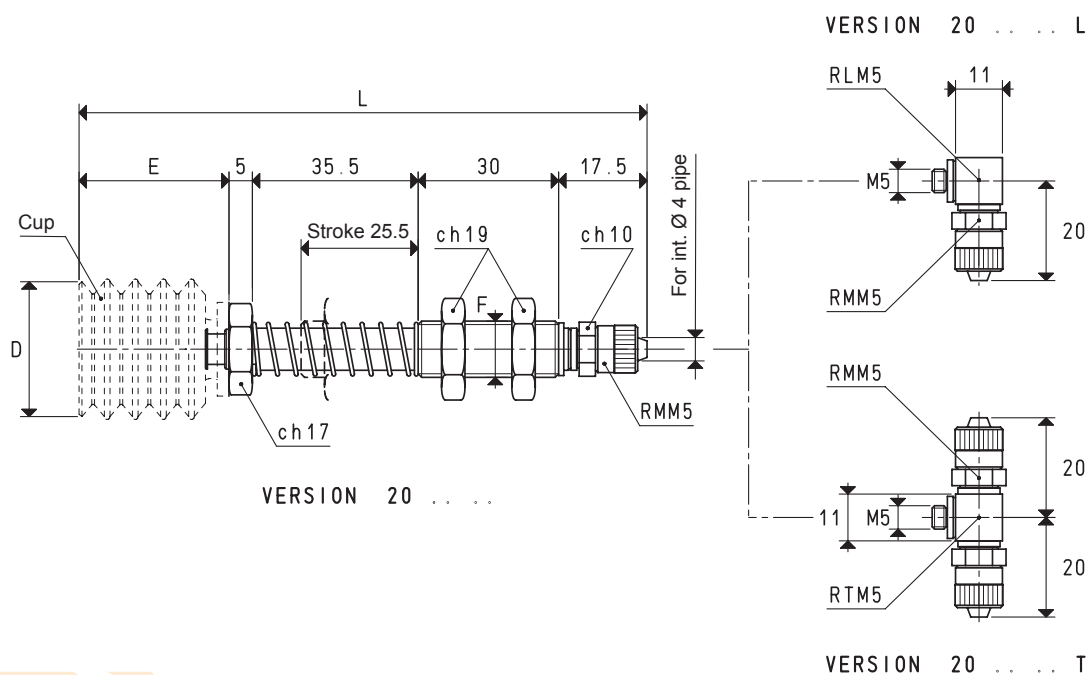
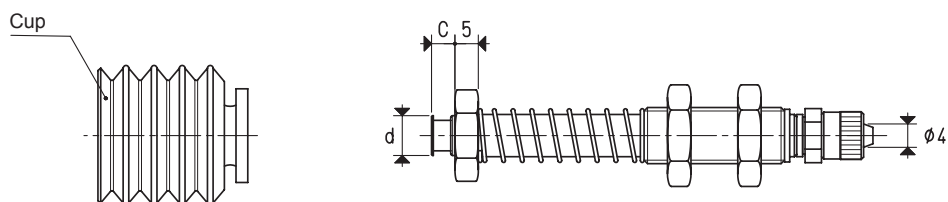
CUP HOLDERS WITH STRAIGHT QUICK COUPLER FOR PLASTIC HOSE Ø 4 X 6

Art.	Force Kg	D	E	F Ø	L	Cup art.	Weight g
20 25 35	1.23	25	24	M12 x 1.25	112	01 25 35	79

Note: Cups are not an integral part of the cup holders, therefore, they must be ordered separately.

Add the letter L or T to the code to order cup holders with L or T-type fitting.

MINI CUP HOLDERS FOR BELLOW CUPS

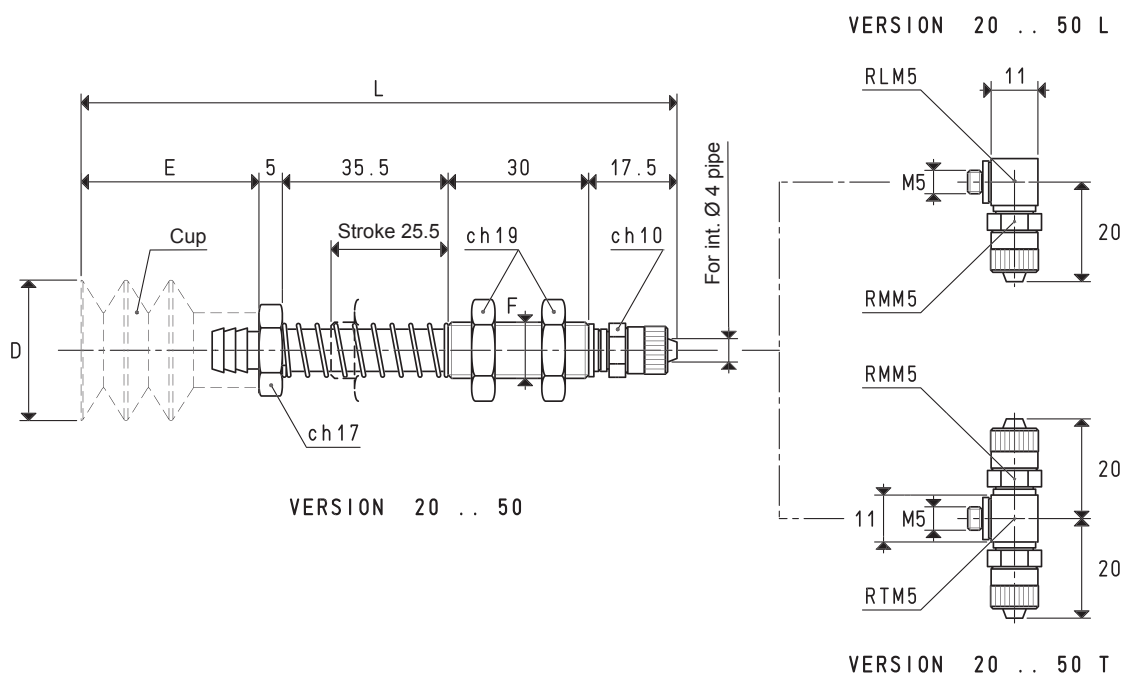
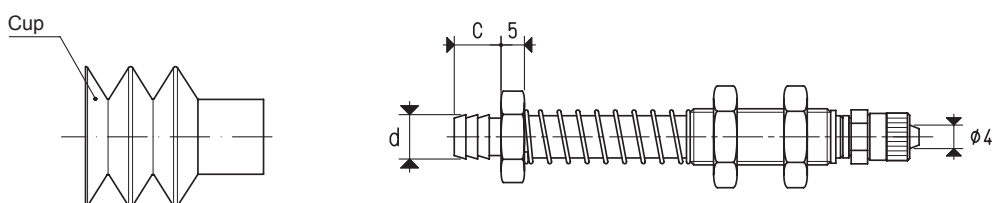
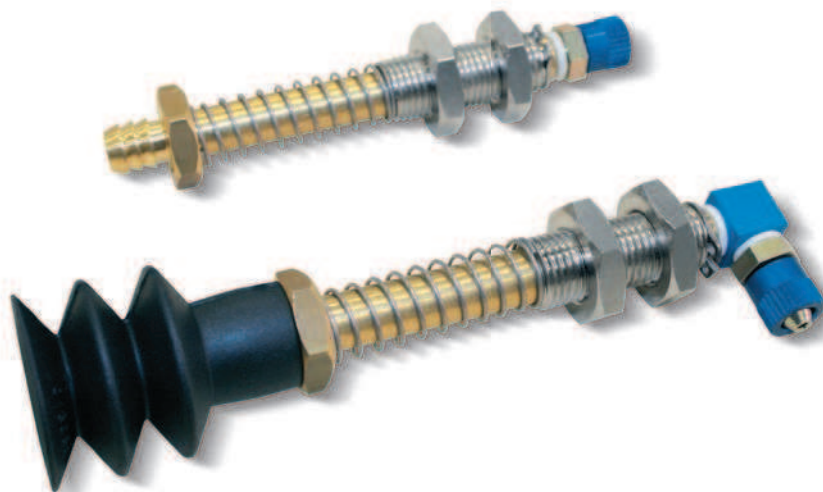


CUP HOLDERS WITH STRAIGHT QUICK COUPLER FOR PLASTIC HOSE Ø 4 X 6

Art.	Force Kg	C	d Ø	D Ø	E	F Ø	L	Cup art.	Weight g
20 30 32	1.76	7.5	10	30	32	M12 x 1.25	120	01 30 32	79.6
20 40 42	3.14	7.5	10	40	42	M12 x 1.25	130	01 40 42	85.6
20 43 28	3.62	7.5	10	43	28	M12 x 1.25	116	01 43 28	83.0

Note: Cups are not an integral part of the cup holders, therefore, they must be ordered separately.

Add the letter L or T to the code to order cup holders with L or T-type fitting.



CUP HOLDERS WITH STRAIGHT QUICK COUPLER FOR PLASTIC HOSE Ø 4 X 6

Art.	Force Kg	C	d Ø	D Ø	E	F Ø	L	Cup art.	Weight g
20 30 50	1.76	10	9.5	30	38	M12 x 1.25	126	01 30 50	81.6
20 40 50	3.14	10	9.5	40	23	M12 x 1.25	111	01 40 50	78.6

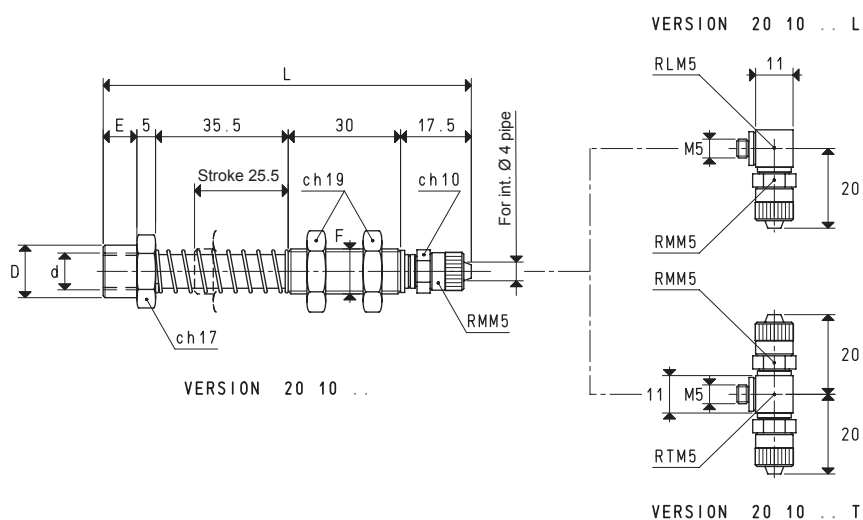
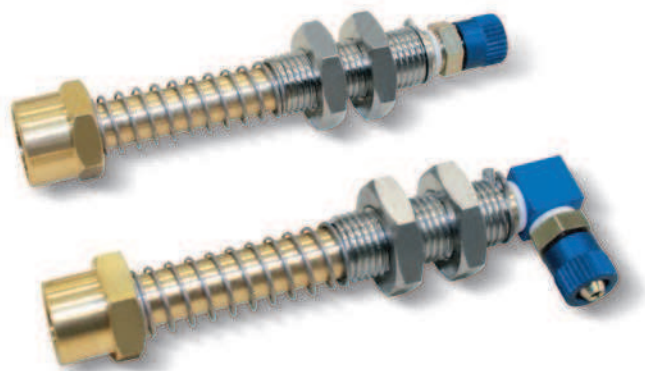
Note: Cups are not an integral part of the cup holders, therefore, they must be ordered separately.

Add the letter L or T to the code to order cup holders with L or T-type fitting.

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

MINI CUP HOLDERS FOR CUPS WITH SUPPORT

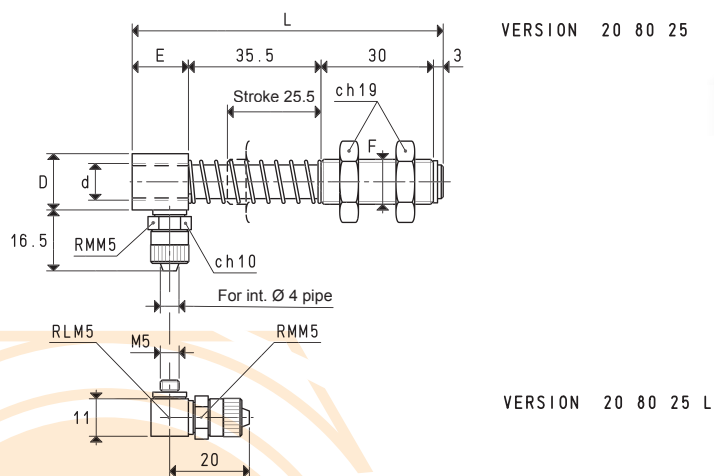
The cup holders described in these pages share the same features as the previously described ones, but differ for their brass stem, which has 1/8" and 1/4" gas threaded female connection, for the exclusive installation of cups with male threaded support and for the vacuum connection, which can either be radial or axial.



CUP HOLDERS WITH STRAIGHT QUICK COUPLER FOR PLASTIC HOSE Ø 4 X 6

Art.	d Ø	D Ø	E	F Ø	L	Weight g
20 10 38	G1/8"	14.0	9	M12 x 1.25	97	78
20 10 48	G1/4"	16.5	9	M12 x 1.25	97	78

Note: Add the letter L or T to the code to order cup holders with L or T-type fitting.



CUP HOLDERS WITH STRAIGHT QUICK COUPLER FOR PLASTIC HOSE Ø 4 X 6

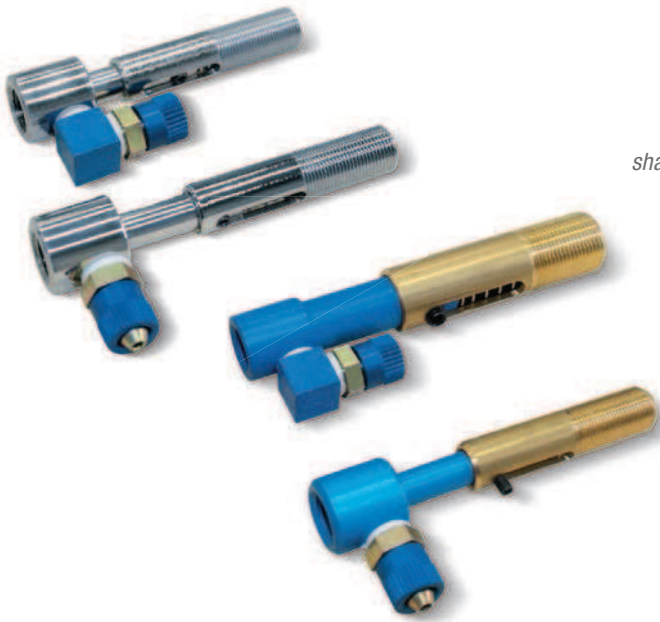
Art.	d Ø	D Ø	E	F Ø	L	Weight g
20 80 25	G1/8"	15	15	M12 x 1.25	83.5	82

Note: Add the letter L to the code to order L-type fittings.

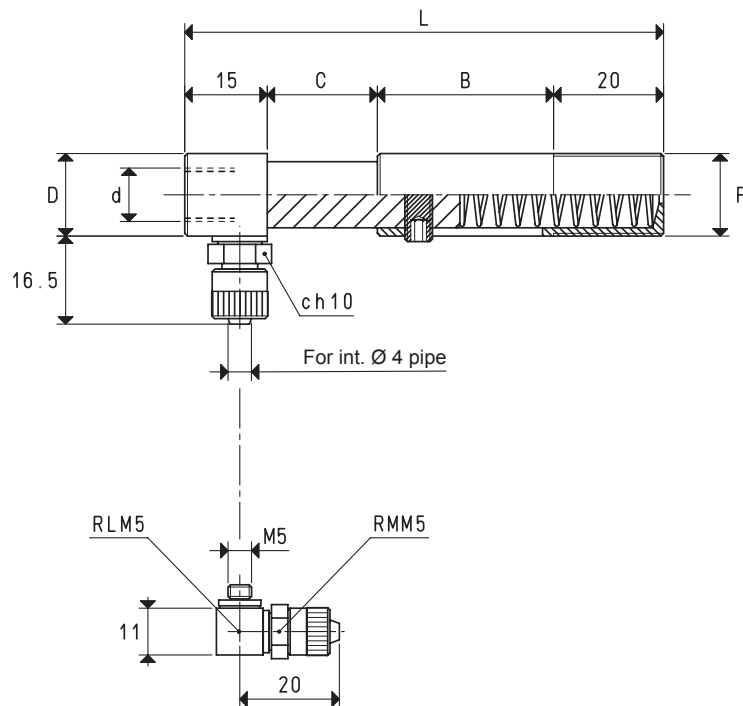
MINI CUP HOLDERS WITH IN-BUILT SPRING

For a further bulk and weight reduction, as well as to meet the requirements of discharge machines for plastic moulding presses manufacturers, these cup holders are made with an in-built spring and an anodised aluminium cup fixing stem. Also these cup holders allow the installation of cups with male threaded support only. The particular shape of the brass drive bush for fastening the cup holder to the machine prevents any rotation of the stem and, therefore, of the cup. The vacuum connection is radial.

2



VERSION 20 80 . .



VERSION 20 80 . . L

CUP HOLDERS WITH STRAIGHT QUICK COUPLER FOR PLASTIC HOSE Ø 4 X 6

Art.	B	C	d	D	F	L	Weight
		stroke	Ø	Ø	Ø		g
20 80 15	22	15	G1/8"	15	M10 x 0.75	72	26
20 80 20	32	20	G1/8"	15	M15 x 1.00	87	42

Note: Add the letters FC to the code to order chromed iron cup holders.

Note: Add the letter L to the code to order cup holders with L-type fittings.

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

They are particularly suited for small cups to be manually assembled with diameters ranging between 10 and 30 mm.

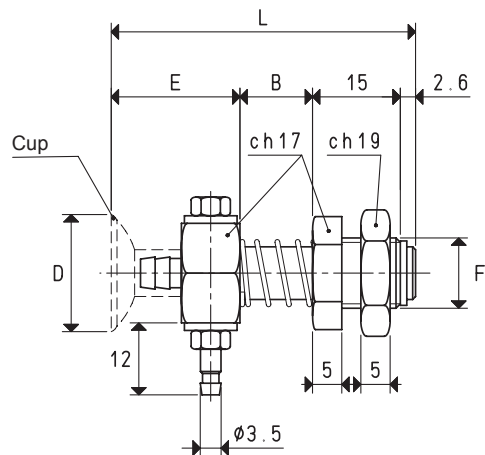
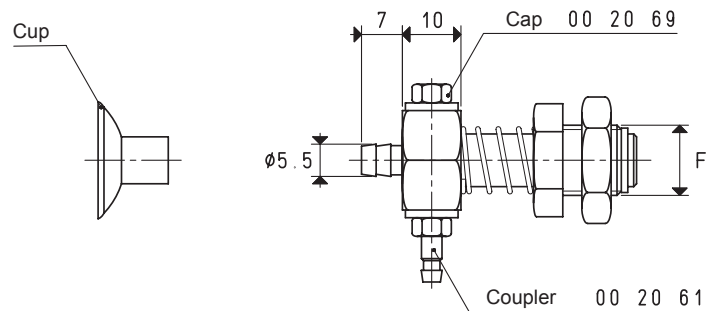


Art.	Force Kg	B stroke	C	E	F Ø	L	Cup art.	Weight g
20 07 13	0.09	12.4	15	23	M12 x 1.25	53	01 07 13	56.6

Note: Cups are not an integral part of the cup holders, therefore, they must be ordered separately.



VERSION 20 .. 10

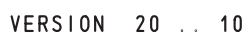


CUP HOLDERS WITH STRAIGHT COUPLER FOR PLASTIC HOSE

Art.	Force Kg	B stroke	D Ø	E	F Ø	L	Cup art.	Weight g
20 10 10	0.19	12.4	10	21	M12 x 1.25	51	01 10 10	56.0
20 12 10	0.28	12.4	12	21	M12 x 1.25	51	01 12 10	56.6
20 15 10	0.44	12.4	15	22	M12 x 1.25	52	01 15 10	56.7
20 18 10	0.63	12.4	18	22	M12 x 1.25	52	01 18 10	56.7
20 20 10	0.78	12.4	20	22	M12 x 1.25	52	01 20 10	56.8
20 22 10	0.95	12.4	22	23	M12 x 1.25	53	01 22 10	57.2

Note: Cups are not an integral part of the cup holders, therefore, they must be ordered separately.

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



Art.	Force Kg	B stroke	D Ø	E	F Ø	L	Cup art.	Weight g
20 25 10	1.23	12.4	25	26	M12 x 1.25	56	01 25 15	58.0
20 30 10	1.76	12.4	30	26	M12 x 1.25	56	01 30 15	58.7

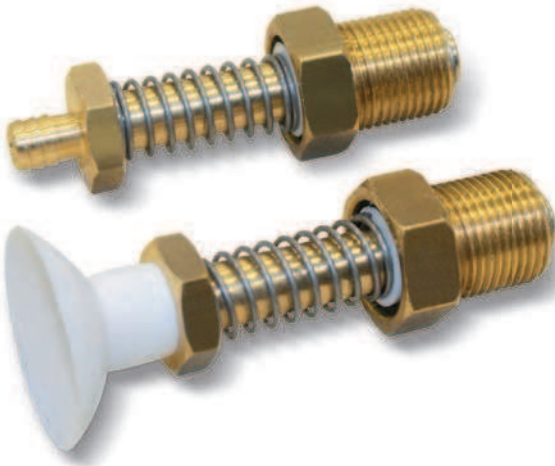
2.20

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

MINI CUP HOLDERS WITH BUILT-IN BUSH

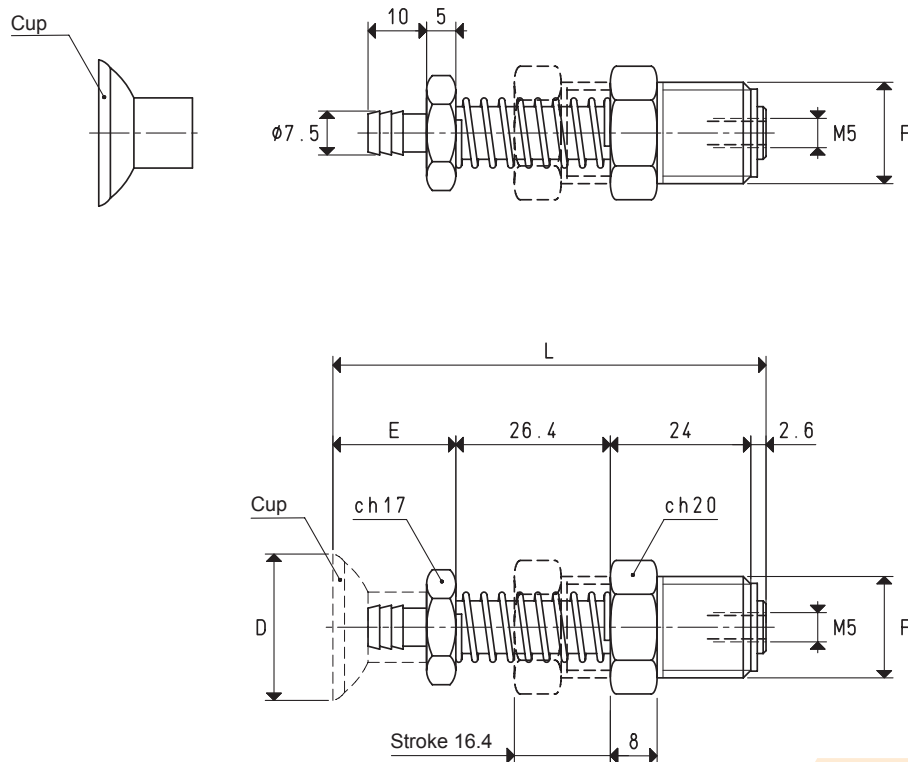
The reduced size and the particular shape of these cup holders allow them to be directly assembled to the vacuum manifold, saving time and eliminating pipes and fittings.

The hexagonal bush, for the cup holder assembly with the vacuum manifold, is equipped with a seal. It's function is to guide and seal the brass cup fixing stem.



2

VERSION 20 .. 11

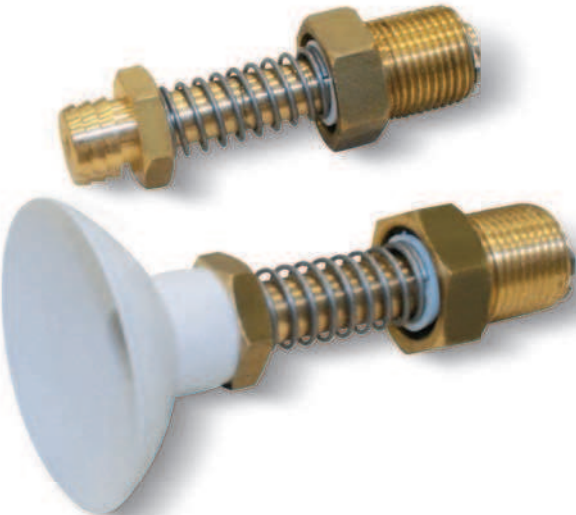


Art.	Force Kg	D Ø	E	F Ø	L	Cup art.	Weight g
20 25 11	1.23	25	21	G3/8"	74	01 25 15	70.0
20 30 11	1.76	30	22	G3/8"	75	01 30 15	70.7

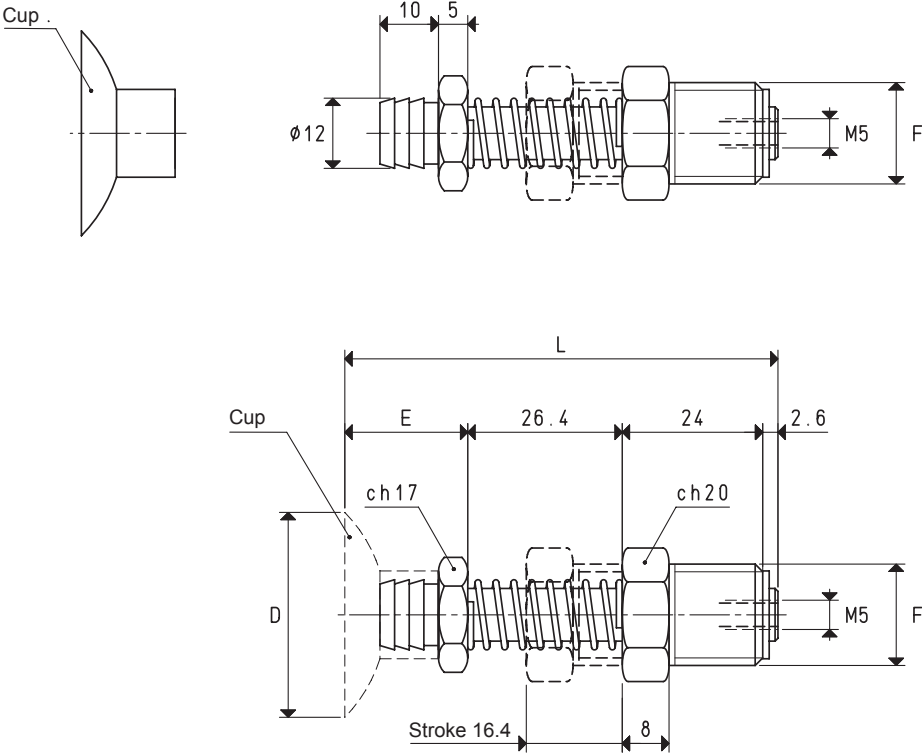
Note: Cups are not an integral part of the cup holders, therefore, they must be ordered separately.

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

MINI CUP HOLDERS WITH BUILT-IN BUSH



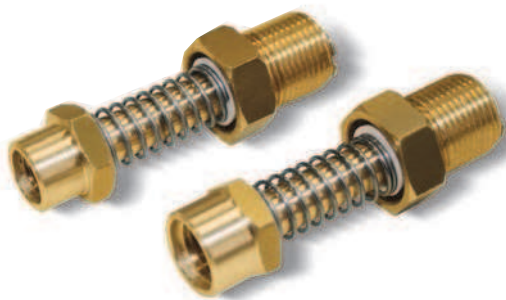
VERSION 20 . . 11



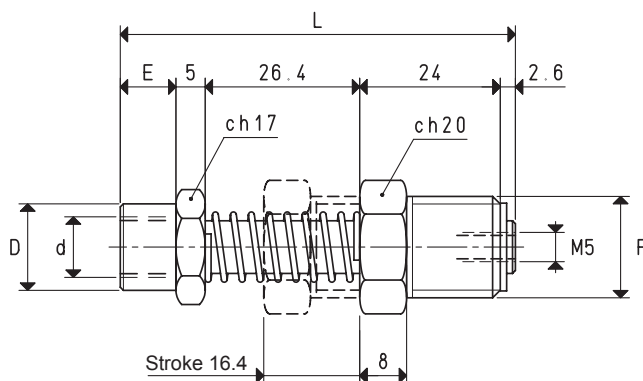
Art.	Force Kg	D Ø	E	F Ø	L	Cup art.	Weight g
20 35 11	2.40	35	21	G3/8"	74	01 35 15	76.6
20 40 11	3.14	40	23	G3/8"	76	01 40 15	77.1
20 45 11	3.98	45	28	G3/8"	81	01 45 15	80.6

Note: Cups are not an integral part of the cup holders, therefore, they must be ordered separately.

MINI CUP HOLDERS WITH BUILT-IN BUSH, WITH FEMALE THREADED CONNECTOR

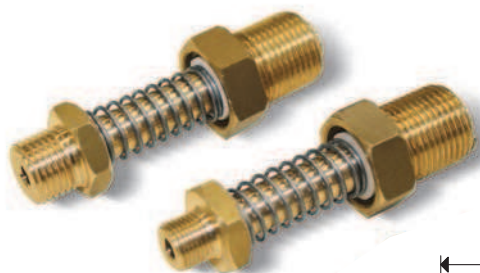


VERSION 20 .. 11

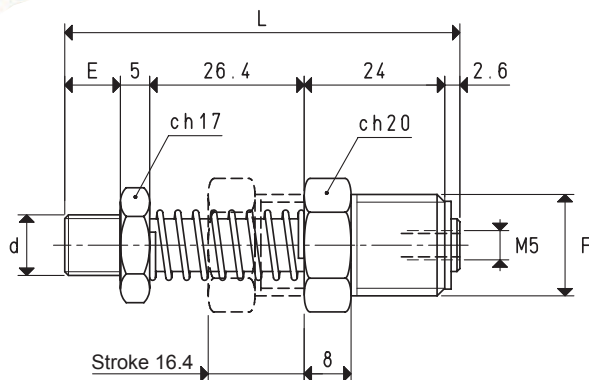


Art.	d Ø	D Ø	E	F Ø	L	Weight g
20 08 11	G1/8"	14.0	9	G3/8"	67	74
20 10 11	G1/4"	16.5	9	G3/8"	67	73

MINI CUP HOLDERS WITH BUILT-IN BUSH, WITH MALE THREADED CONNECTOR



VERSION 20 .. 11 M



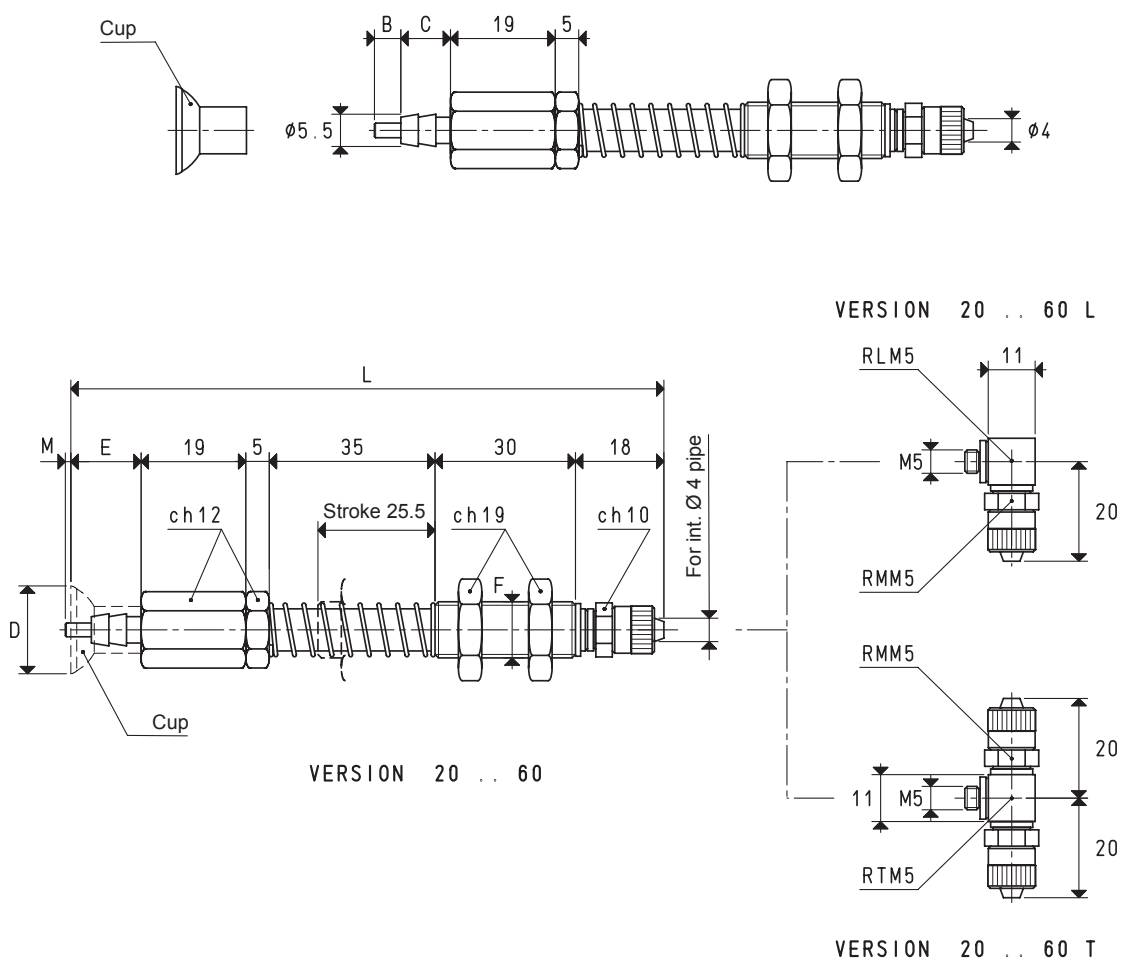
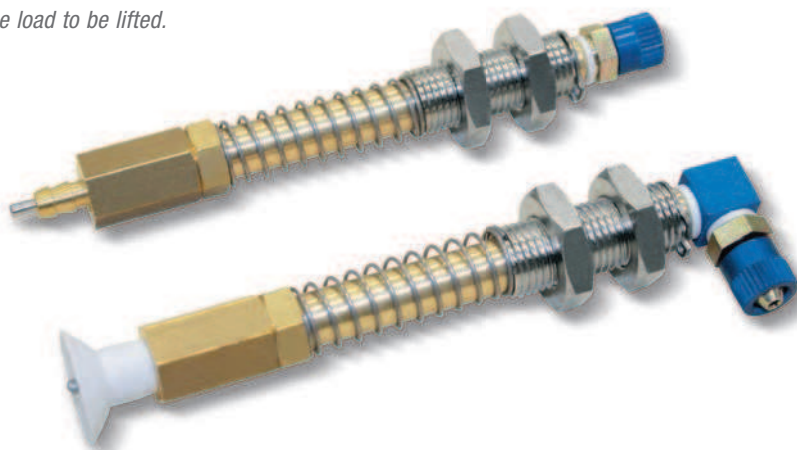
Art.	d Ø	E	F Ø	L	Weight g
20 08 11 M	G1/8"	8	G3/8"	66	75
20 10 11 M	G1/4"	10	G3/8"	68	74

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

GAS-NPT thread adapters available at page 1.117

MINI CUP HOLDERS WITH PLUNGER VALVE

They share the same mechanical features at the other mini cup holders. Their distinctive feature is the plunger valve solidly connected to a conical spear valve, which activates suction, and therefore creates vacuum, only when the cup comes into contact with the load to be lifted.

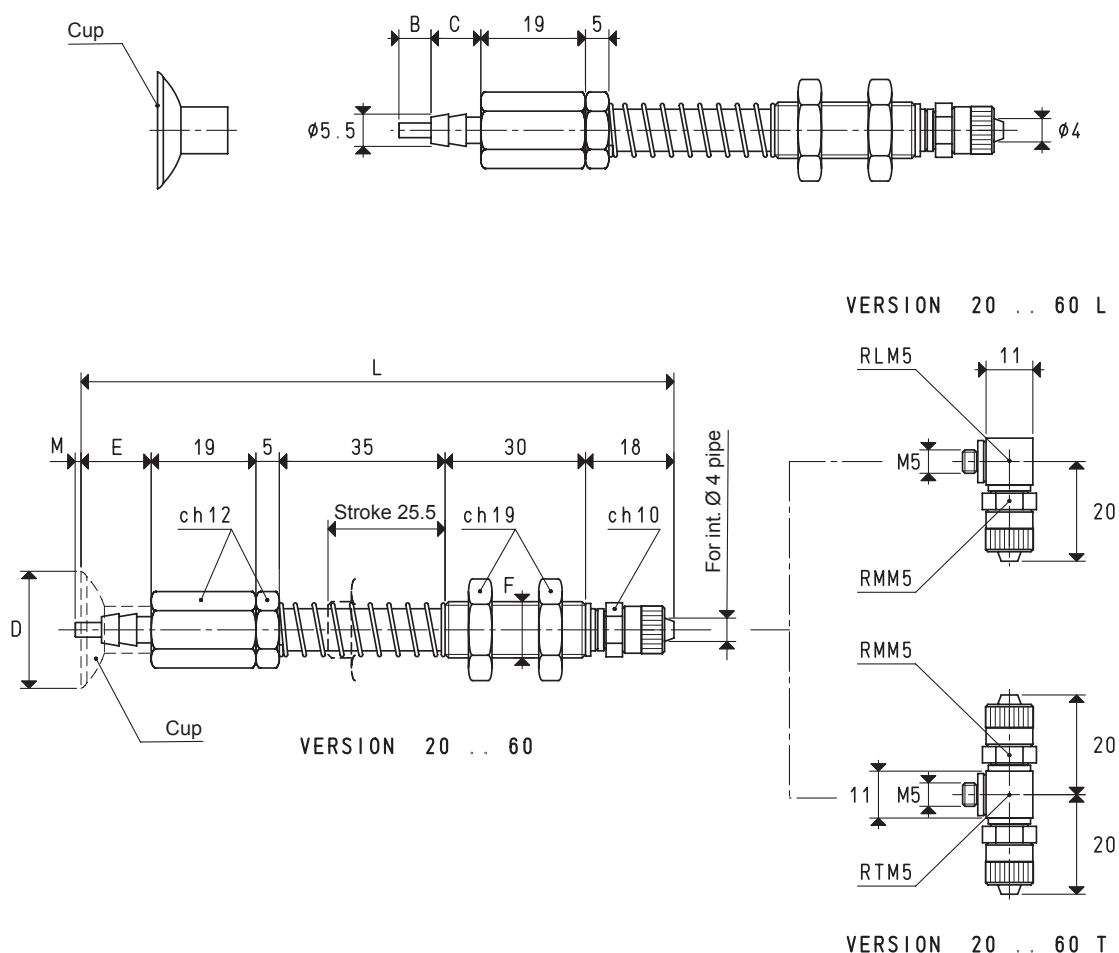
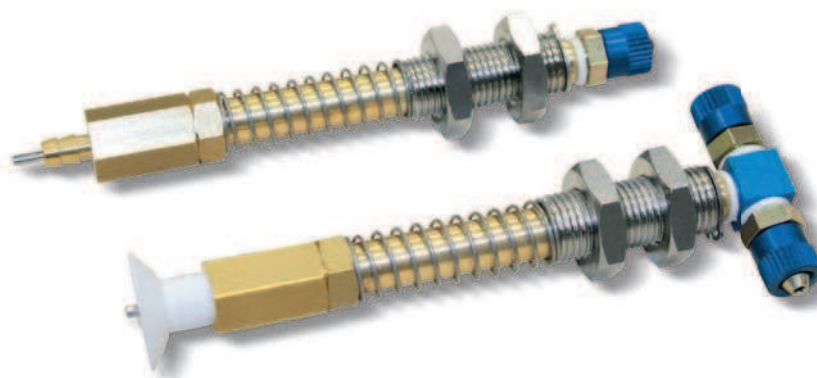


CUP HOLDERS WITH STRAIGHT QUICK COUPLER FOR PLASTIC HOSE Ø 4 X 6

Art.	Force Kg	B	C	D Ø	E	F Ø	L	M	Cup art.	Weight g
20 12 60	0.28	4.5	8.5	12	11	M12 x 1.25	118	2	01 12 10	78.6
20 15 60	0.44	4.5	8.5	15	12	M12 x 1.25	119	1	01 15 10	78.7
20 18 60	0.63	4.5	8.5	18	12	M12 x 1.25	119	1	01 18 10	78.7

Note: Cups are not an integral part of the cup holders, therefore, they must be ordered separately.

Add the letter L or T to the code to order cup holders with L or T-type fitting.



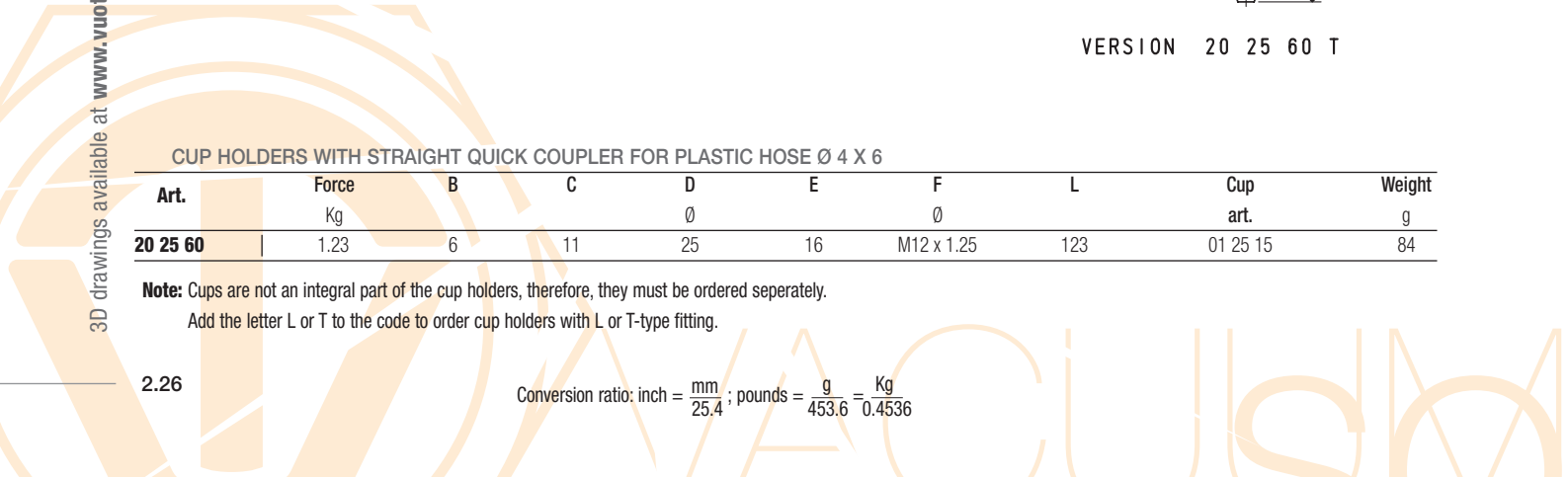
CUP HOLDERS WITH STRAIGHT QUICK COUPLER FOR PLASTIC HOSE Ø 4 X 6

Art.	Force Kg	B	C	D Ø	E	F Ø	L	M	Cup art.	Weight g
20 20 60	0.78	5.5	8.5	20	12	M12 x 1.25	119	2	01 20 10	80.8
20 22 60	0.95	5.5	8.5	22	13	M12 x 1.25	120	1	01 22 10	81.2

Note: Cups are not an integral part of the cup holders, therefore, they must be ordered separately.

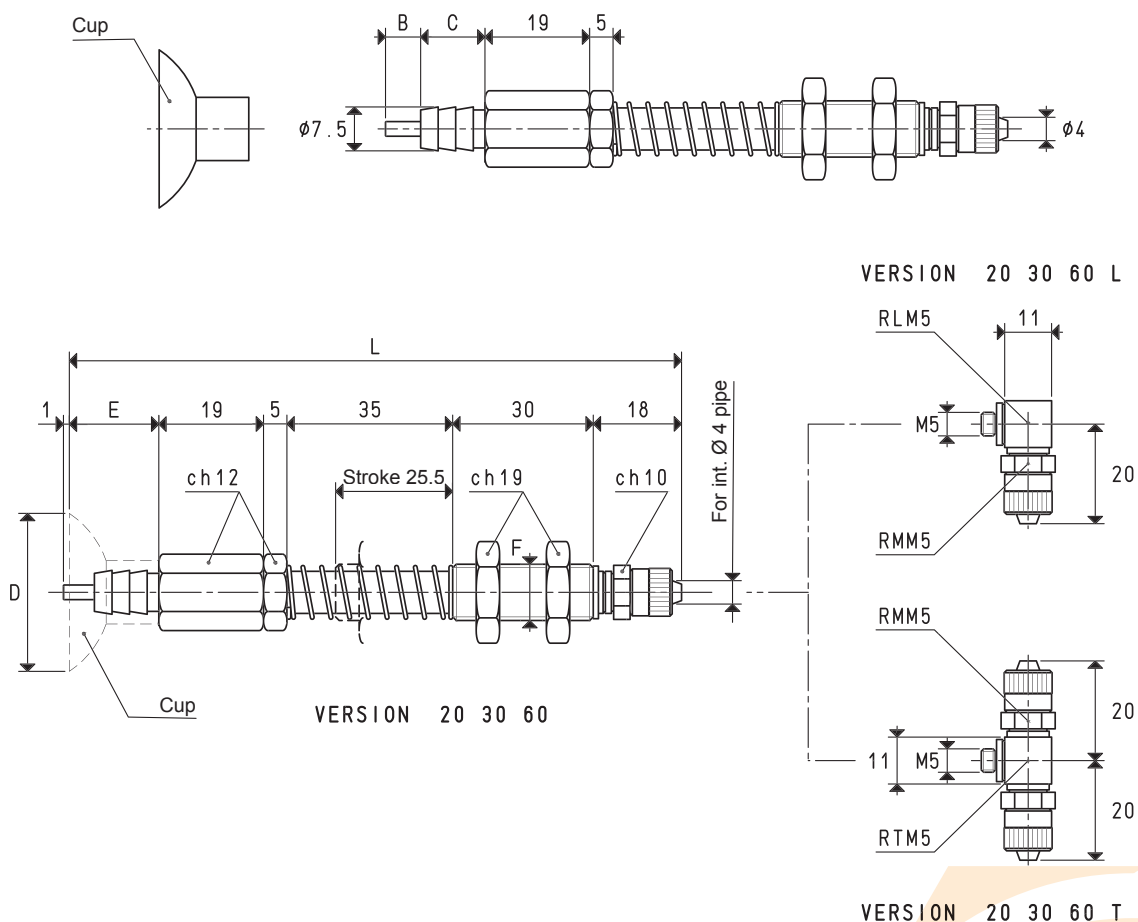
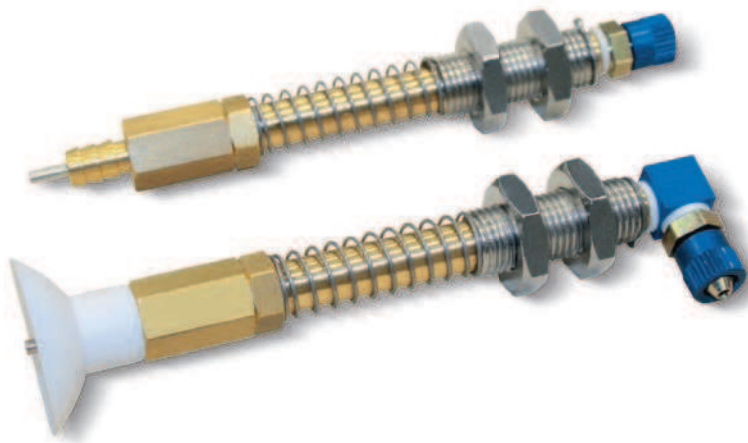
Add the letter L or T to the code to order cup holders with L or T-type fitting.

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



Art.	Force Kg	B	C	D Ø	E	F Ø	L	Cup art.	Weight g
20 25 60	1.23	6	11	25	16	M12 x 1.25	123	01 25 15	84

Add the letter L or T to the code to order cup holders with L or T-type fitting.

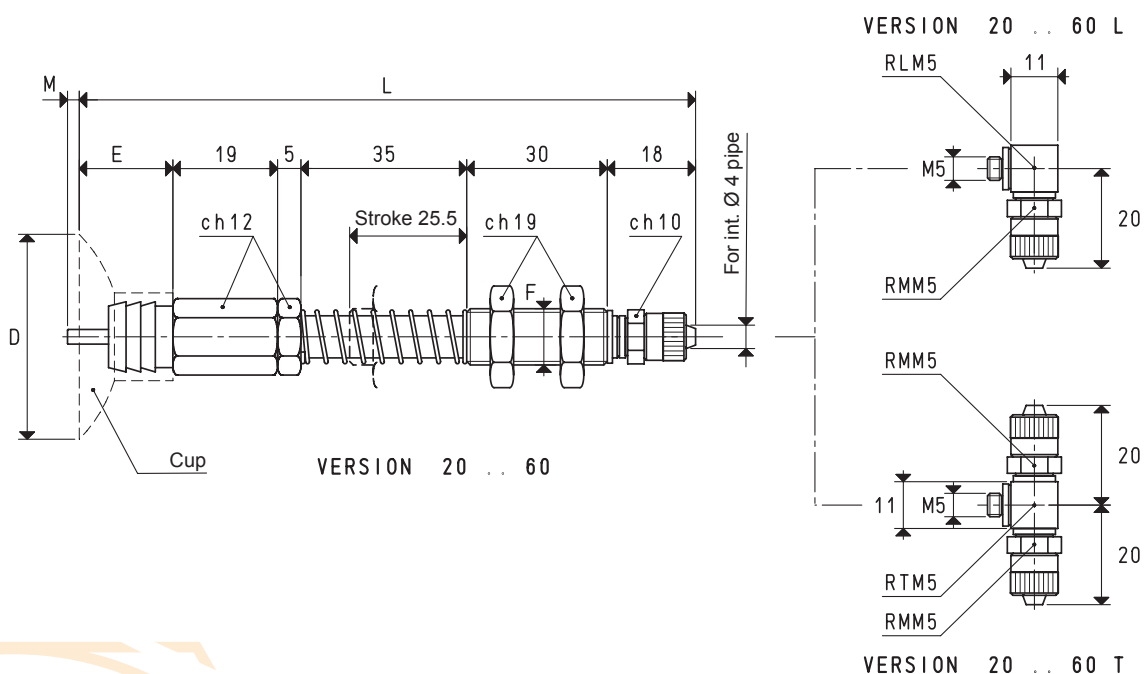
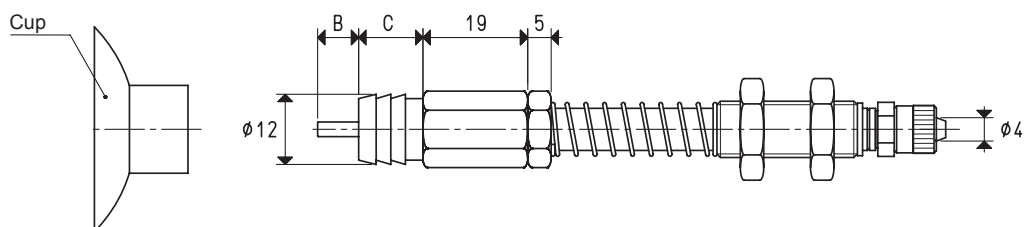


CUP HOLDERS WITH STRAIGHT QUICK COUPLER FOR PLASTIC HOSE Ø 4 X 6								
Art.	Force Kg	B	C	D Ø	E	F Ø	L	Cup art.
20 30 60	1.76	7	11	30	17	M12 x 1.25	124	01 30 15
								Weight g
								86.7

Note: Cups are not an integral part of the cup holders, therefore, they must be ordered separately.
Add the letter L or T to the code to order cup holders with L or T-type fitting.

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

MINI CUP HOLDERS WITH PLUNGER VALVE



CUP HOLDERS WITH STRAIGHT QUICK COUPLER FOR PLASTIC HOSE Ø 4 X 6

Art.	Force Kg	B	C	D Ø	E	F Ø	L	M	Cup art.	Weight g
20 35 60	2.40	7	11	35	16	M12 x 1.25	119	2	01 35 15	90.6
20 40 60	3.14	7	11	40	18	M12 x 1.25	125	0	01 40 15	91.1

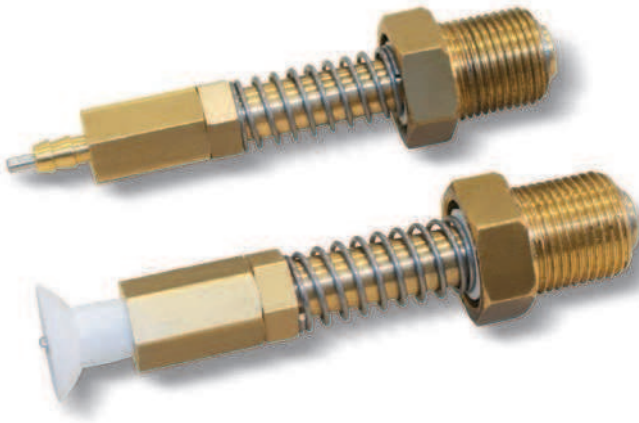
Note: Cups are not an integral part of the cup holders, therefore, they must be ordered separately.

Add the letter L or T to the code to order cup holders with L or T-type fitting.

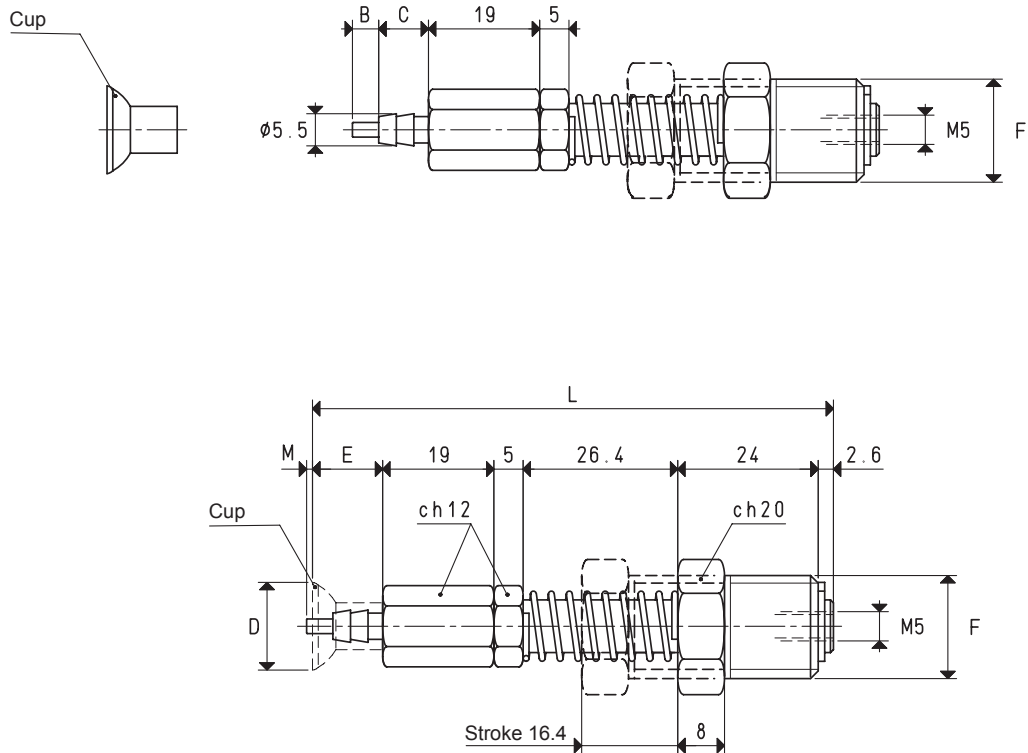
MINI CUP HOLDERS WITH PLUNGER VALVE AND BUILT-IN BUSH

The technical and mechanical features are the same as for the mini cup holders with plunger valve. Their distinctive feature is their threaded hexagonal bush, which allows them to be directly assembled to the vacuum manifold, thus saving time and eliminating pipes and fittings.

2



VERSION 20 ... 65

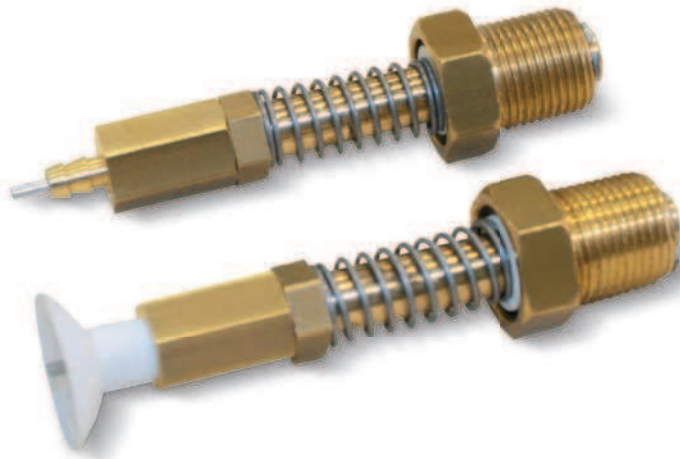


Art.	Force Kg	B	C	D Ø	E	F Ø	L	M	Cup art.	Weight g
20 12 65	0.28	4.5	8.5	12	11	G3/8"	88	2	01 12 10	76.6
20 15 65	0.44	4.5	8.5	15	12	G3/8"	89	1	01 15 10	76.7
20 18 65	0.63	4.5	8.5	18	12	G3/8"	89	1	01 18 10	76.7

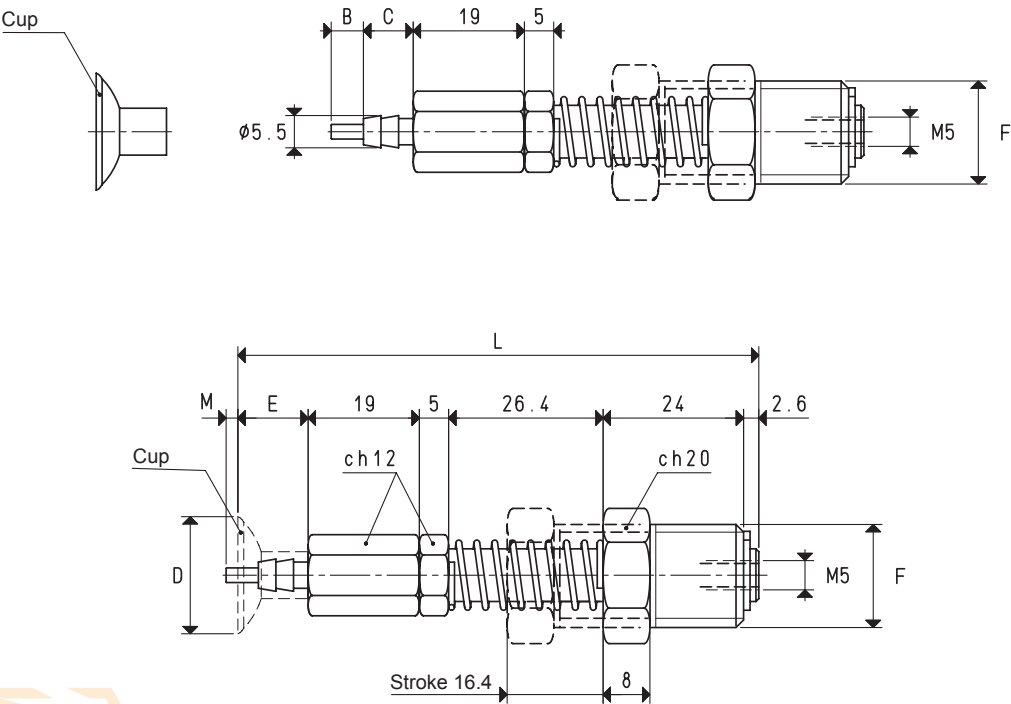
Note: Cups are not an integral part of the cup holders, therefore, they must be ordered separately.

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

MINI CUP HOLDERS WITH PLUNGER VALVE AND BUILT-IN BUSH



VERSION 20 . . . 65

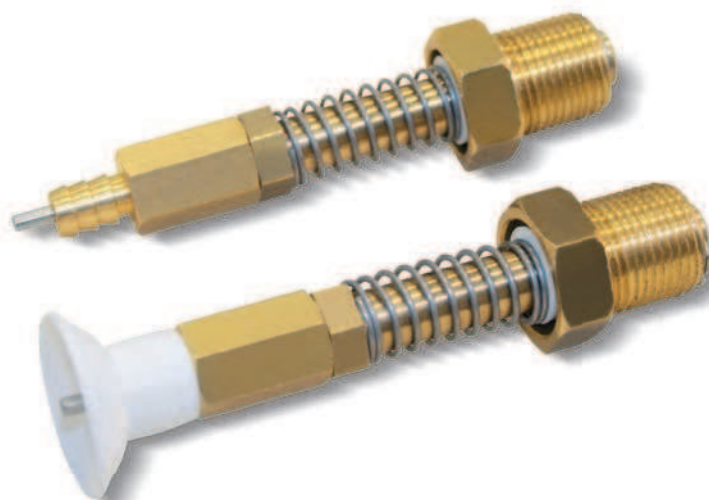


Art.	Force Kg	B	C	D Ø	E	F Ø	L	M	Cup art.	Weight g
20 20 65	0.78	5.5	8.5	20	12	G3/8"	89	2	01 20 10	76.8
20 22 65	0.95	5.5	8.5	22	13	G3/8"	90	1	01 22 10	77.2

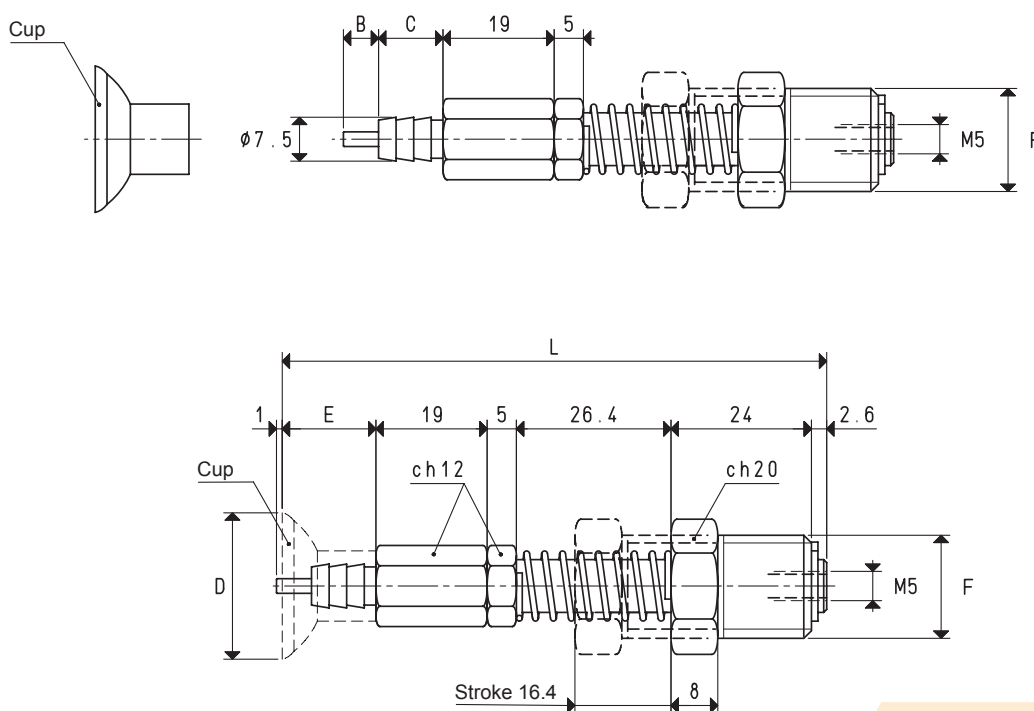
Note: Cups are not an integral part of the cup holders, therefore, they must be ordered separately.

MINI CUP HOLDERS WITH PLUNGER VALVE AND BUILT-IN BUSH

2



VERSION 20 25 65

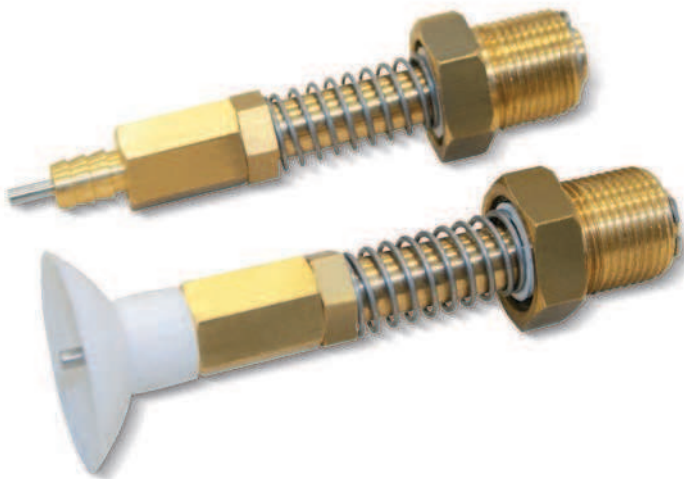


Art.	Force Kg	B	C	D Ø	E	F Ø	L	Cup art.	Weight g
20 25 65	1.23	6	11	25	16	G3/8"	93	01 25 15	80

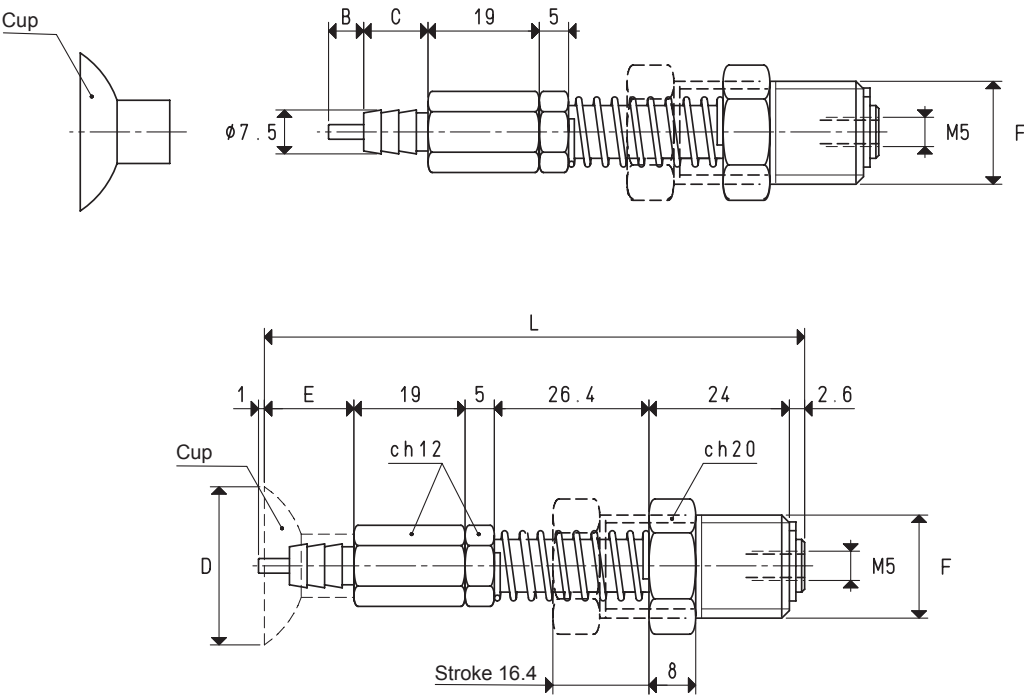
Note: Cups are not an integral part of the cup holders, therefore, they must be ordered separately.

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

MINI CUP HOLDERS WITH PLUNGER VALVE AND BUILT-IN BUSH



VERSION 20 30 65



Art.	Force Kg	B	C	D Ø	E	F Ø	L	Cup art.	Weight g
20 30 65	1.76	7	11	30	17	G3/8"	94	01 30 15	82.7

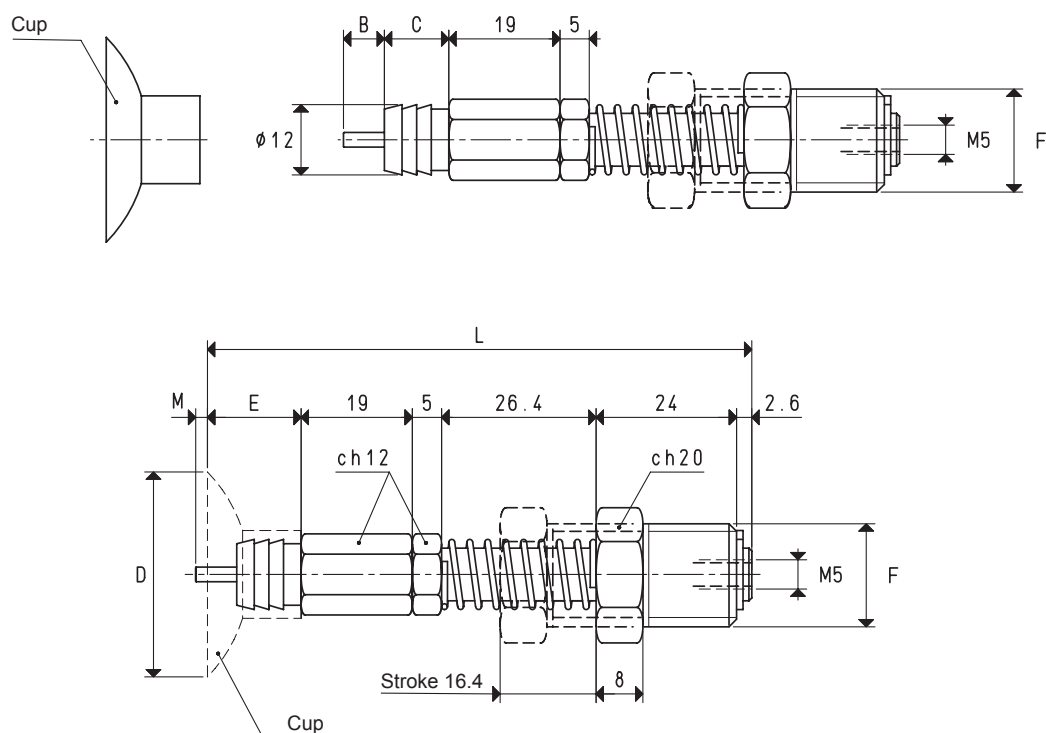
Note: Cups are not an integral part of the cup holders, therefore, they must be ordered separately.

MINI CUP HOLDERS WITH PLUNGER VALVE AND BUILT-IN BUSH

2



VERSION 20 .. 65



Art.	Force Kg	B	C	D Ø	E	F Ø	L	M	Cup art.	Weight g
20 35 65	2.40	7	11	35	16	G3/8"	93	2	01 35 15	82.6
20 40 65	3.14	7	11	40	18	G3/8"	95	0	01 40 15	83.1

Note: Cups are not an integral part of the cup holders, therefore, they must be ordered separately.

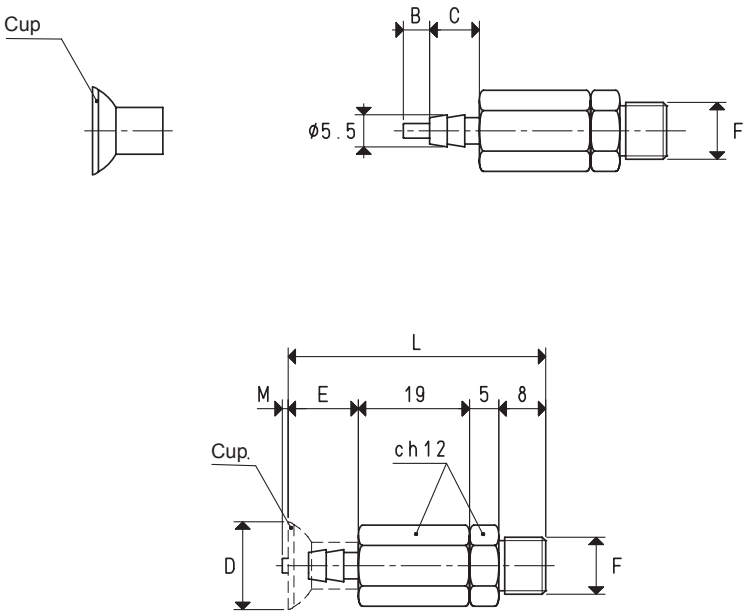
Conversion ratio: inch = $\frac{\text{mm}}{25.4}$; pounds = $\frac{\text{g}}{453.6}$ = $\frac{\text{Kg}}{0.4536}$

MINI CUP HOLDERS WITH PLUNGER VALVE, WITH NO SPRINGING

They have the same function as the mini cup holders with plunger valve but, for further bulk reduction, the cushioning spring, the threaded pipe with nuts for fixing to the machine and the quick coupler have been removed. This type of cup holders is to be directly assembled to the vacuum manifold. To allow a quick assembly, its end is provided with a threaded male shank.



VERSION 20 . . 61



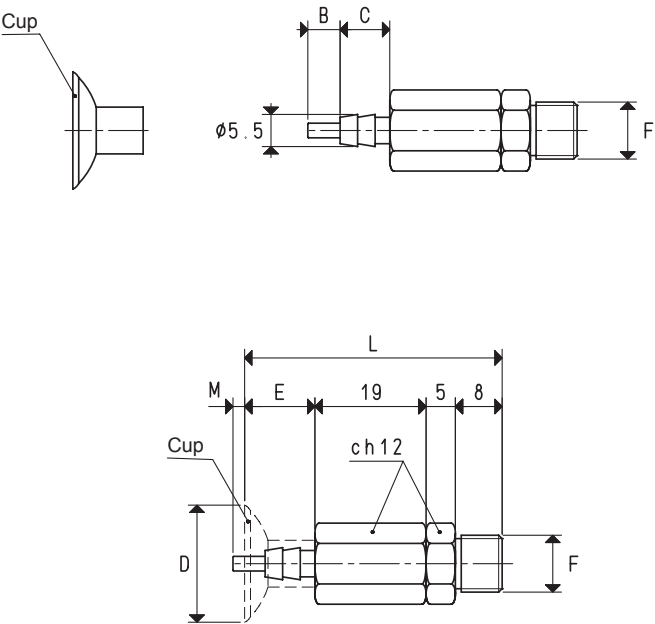
Art.	Force Kg	B	C	D Ø	E	F Ø	L	M	Cup art.	Weight g
20 12 61	0.28	4.5	8.5	12	11	G1/8"	43	2	01 12 10	24.6
20 15 61	0.44	4.5	8.5	15	12	G1/8"	44	1	01 15 10	24.7
20 18 61	0.63	4.5	8.5	18	12	G1/8"	44	1	01 18 10	24.7

Note: Cups are not an integral part of the cup holders, therefore, they must be ordered separately.

MINI CUP HOLDERS WITH PLUNGER VALVE, WITH NO SPRINGING



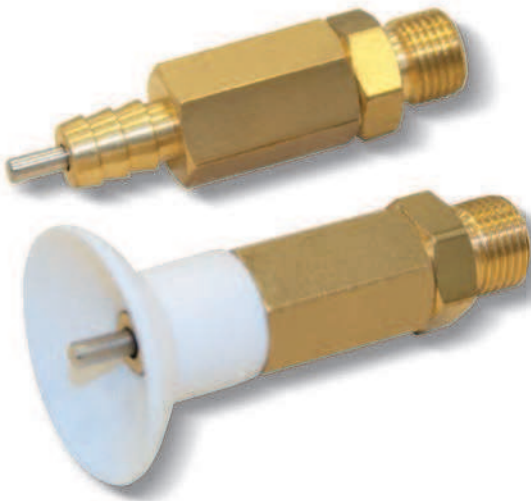
VERSION 20 .. 61



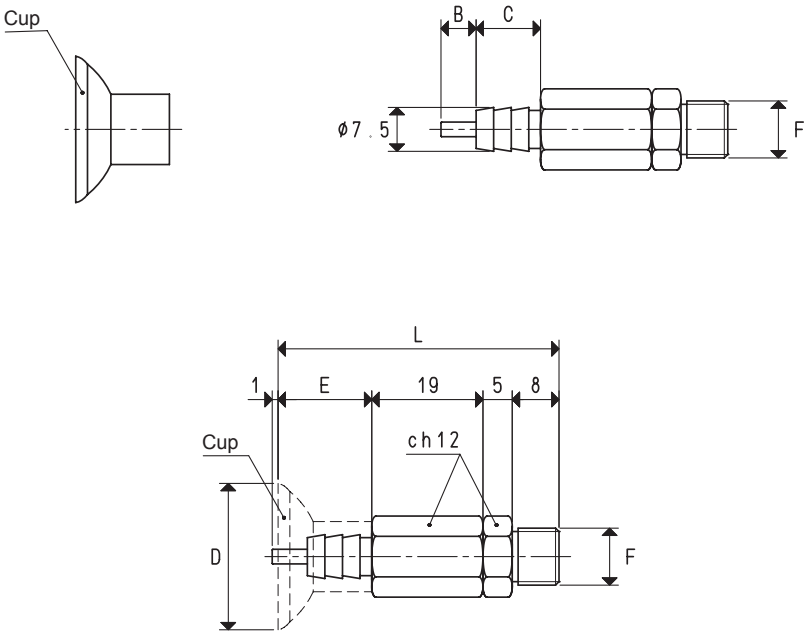
Art.	Force Kg	B	C	D Ø	E	F Ø	L	M	Cup art.	Weight g
20 20 61	0.78	5.5	8.5	20	12	G1/8"	44	2	01 20 10	26.8
20 22 61	0.95	5.5	8.5	22	13	G1/8"	45	1	01 22 10	27.2

Note: Cups are not an integral part of the cup holders, therefore, they must be ordered seperately.

MINI CUP HOLDERS WITH PLUNGER VALVE, WITH NO SPRINGING



VERSION 20 25 61



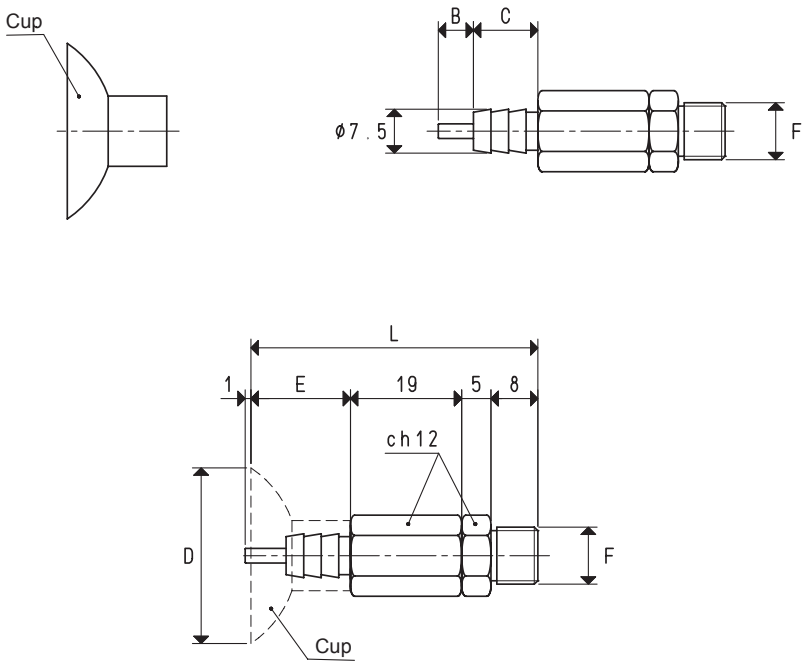
Art.	Force Kg	B	C	D Ø	E	F Ø	L	Cup art.	Weight g
20 25 61	1.23	6	11	25	16	G1/8"	48	01 25 15	26

Note: Cups are not an integral part of the cup holders, therefore, they must be ordered separately.

MINI CUP HOLDERS WITH PLUNGER VALVE, WITH NO SPRINGING



VERSION 20 30 61



Art.	Force Kg	B	C	D Ø	E	F Ø	L	Cup art.	Weight g
20 30 61	1.76	7	11	30	17	G1/8"	49	01 30 15	28.6

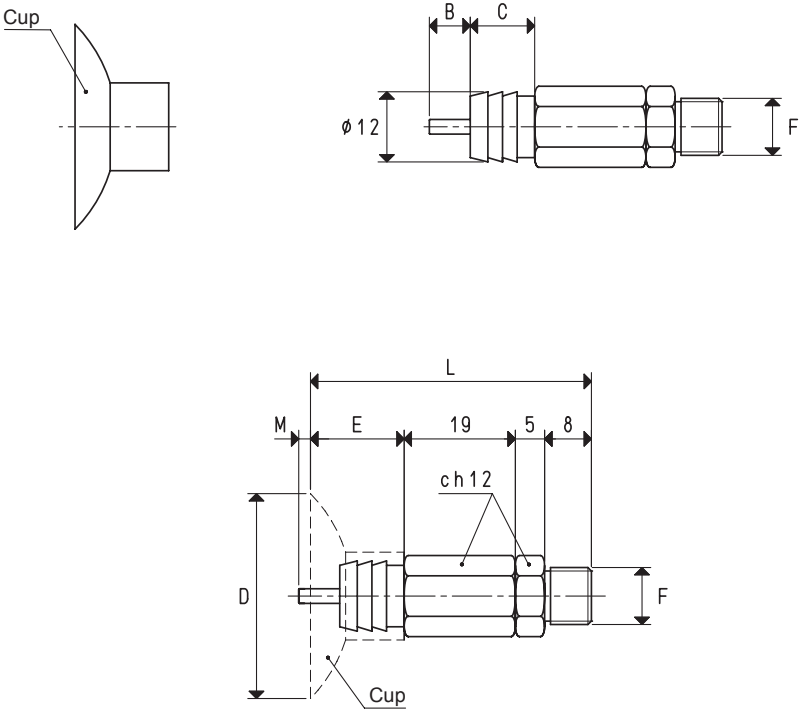
Note: Cups are not an integral part of the cup holders, therefore, they must be ordered seperately.

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

MINI CUP HOLDERS WITH PLUNGER VALVE, WITH NO SPRINGING



VERSION 20 .. 61



Art.	Force Kg	B	C	D Ø	E	F Ø	L	M	Cup art.	Weight g
20 35 61	2.40	7	11	35	16	G1/8"	48	2	01 35 15	34.6
20 40 61	3.14	7	11	40	18	G1/8"	50	0	01 40 15	35.1

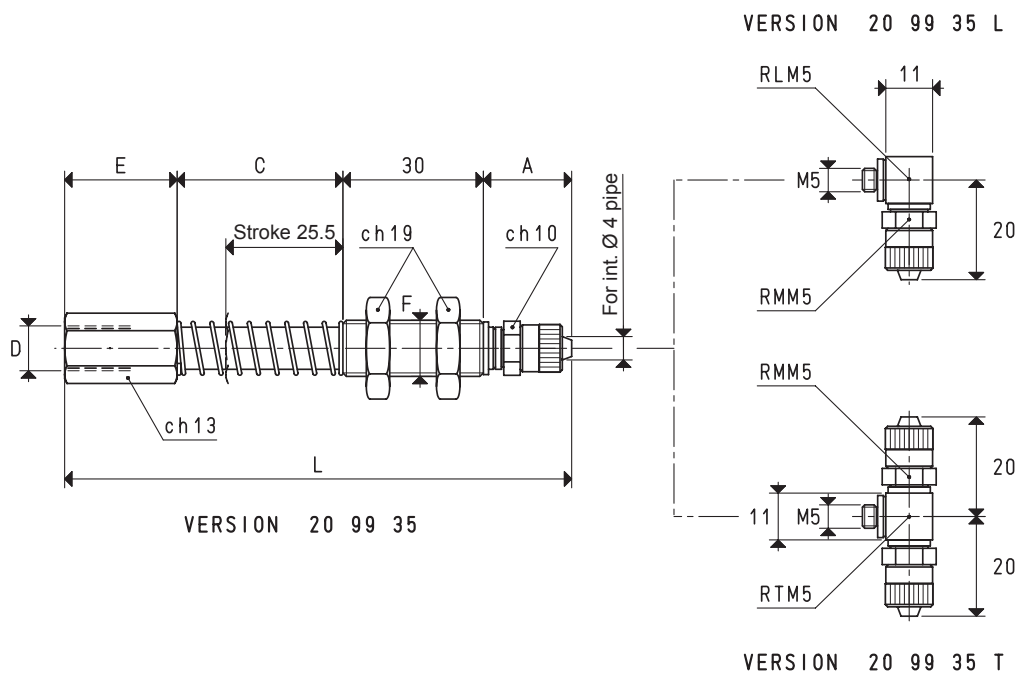
Note: Cups are not an integral part of the cup holders, therefore, they must be ordered separately.

MINI CUP HOLDERS WITH BUILT-IN SHUT-OFF VALVE



The distinctive feature of these cup holders, that share all the technical features of the other mini cup holders, is the built-in shut-off valve. Its function is to deactivate suction when the cup is not on the surface of the load to be lifted, in case of a defective grip or in presence of a considerable transpiration, thus preventing reduction of the vacuum level on the other cups of the plant that are regularly gripping a load. All this results in a great advantage, since, with this system, the placement or the exclusion of the non-gripping cups is no longer binding. Cups with diameters ranging from 10 mm to 50 mm can be assembled onto these cup holders, as long as they are equipped with a 1/8" gas threaded male support.

2



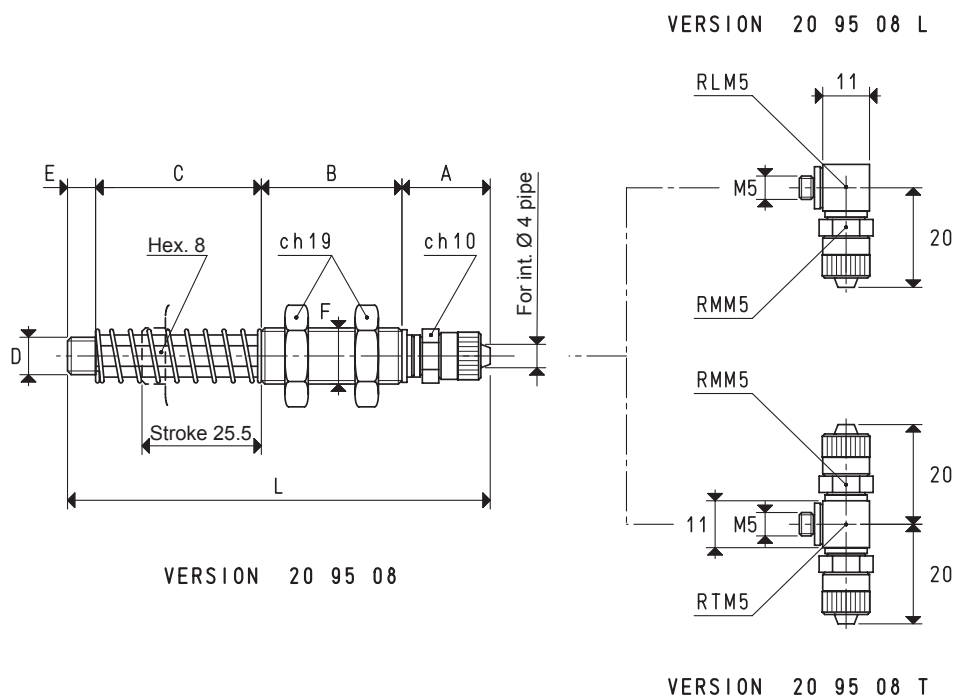
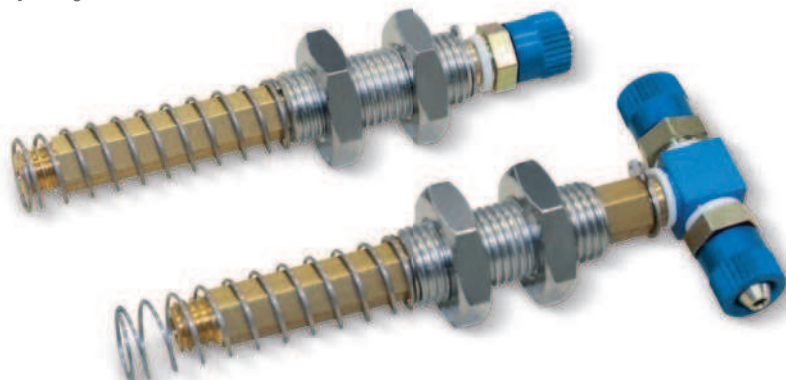
Art.	A	C	D Ø	E	F Ø	L	Weight g
20 99 35	17.5	35.5	G1/8"	24	M12 x 1.25	107	84

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

MINI ANTI-ROTATION CUP HOLDERS

The distinctive features of these cup holders are the brass stem with hexagonal section and the steel drive bush with hexagonal hole. This prevents the stem from rotating on its axis, and, as a consequence, also the cup and its support from rotating.

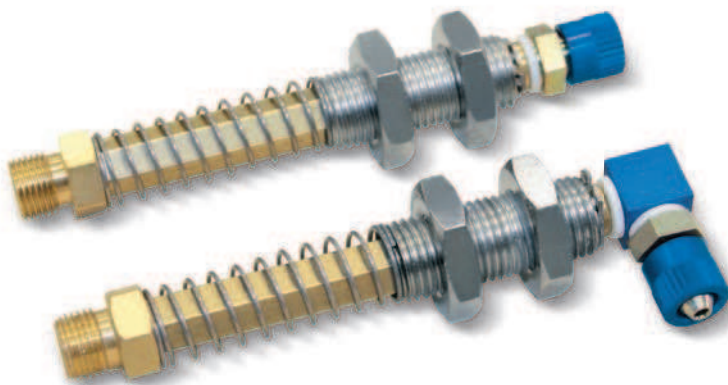
They are suited for cups with male or female support with diameters ranging from 10 mm to 60 mm, but they have been specially designed for the installation of rectangular, concave and oval cups.



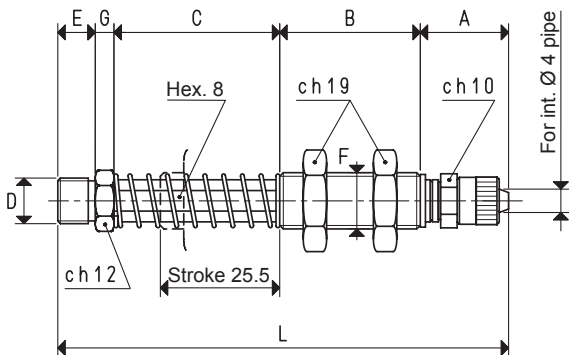
CUP HOLDERS WITH STRAIGHT QUICK COUPLER FOR PLASTIC HOSE Ø 4 X 6

Art.	A	B	C	D Ø	E	F Ø	L	Weight g
20 95 08	17.5	30	35.5	M8	6	M12 x 1.25	89	58

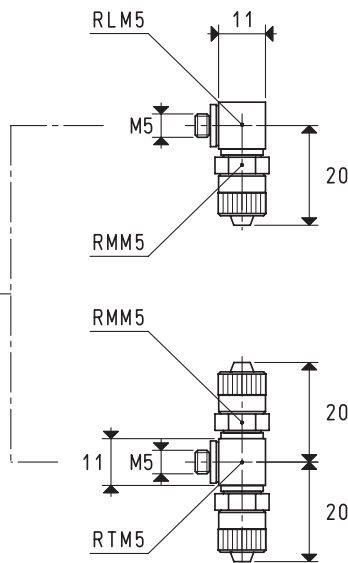
Note: add the letter L or T to order cup holders with L-type or T-type fittings.



VERSION 20 95 28 L



VERSION 20 95 28



VERSION 20 95 28 T

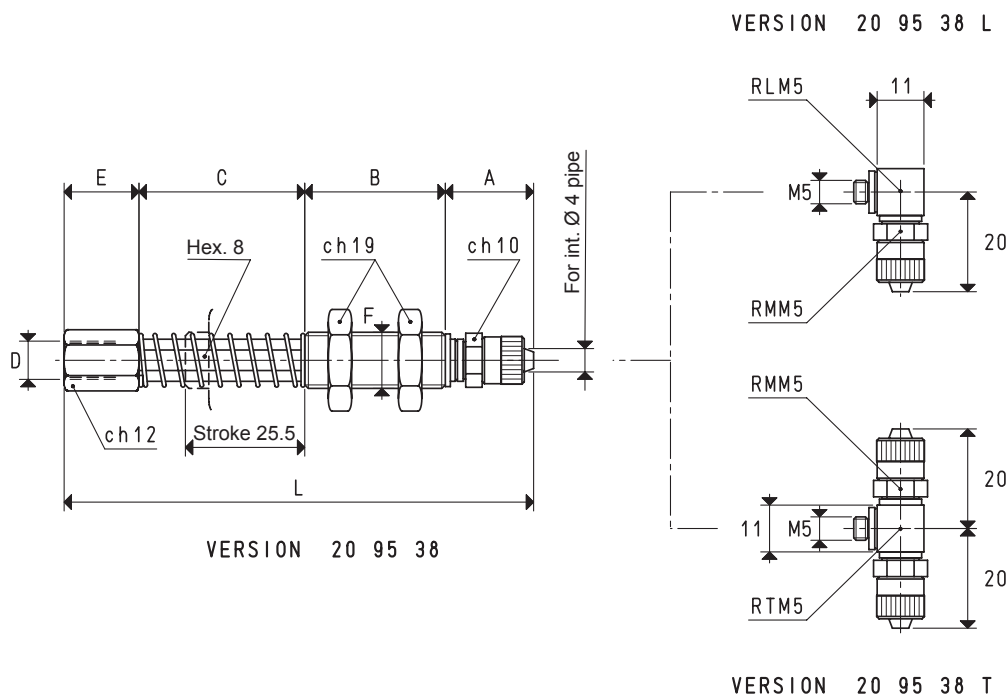
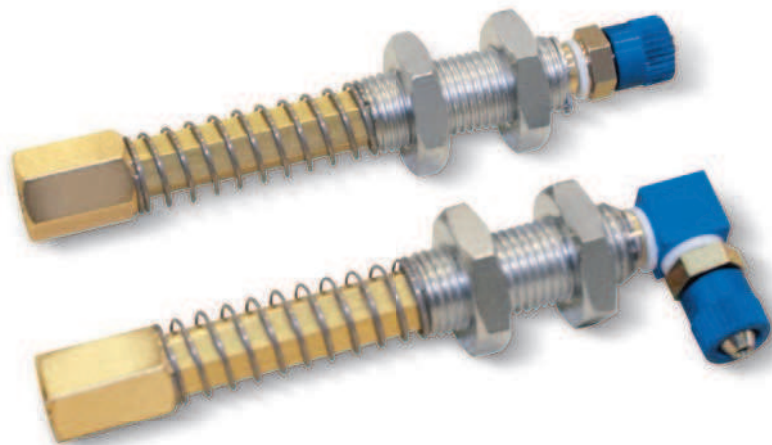
CUP HOLDERS WITH STRAIGHT QUICK COUPLER FOR PLASTIC HOSE Ø 4 X 6

Art.	A	B	C	D	E	F	G	L	Weight
				Ø		Ø			g
20 95 28	17.5	30	35.5	G1/8"	8	M12 x 1.25	5	96	60

Note: add the letter L or T to order cup holders with L-type or T-type fittings.

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

MINI ANTI-ROTATION CUP HOLDERS

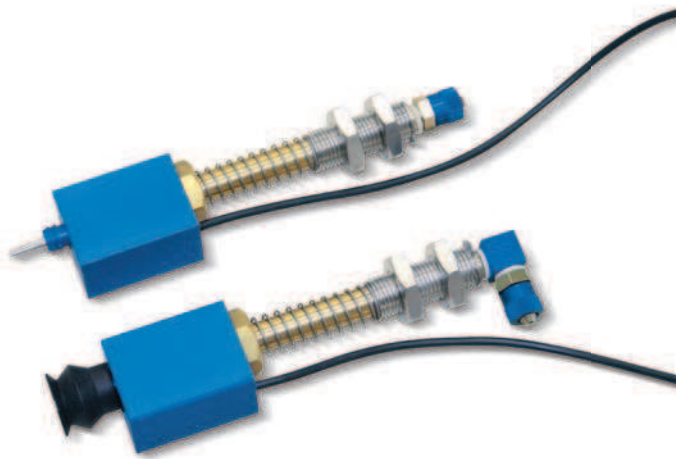


CUP HOLDERS WITH STRAIGHT QUICK COUPLER FOR PLASTIC HOSE Ø 4 X 6

Art.	A	B	C	D Ø	E	F Ø	L	Weight g
20 95 38	17.5	30	35.5	G1/8"	16	M12 x 1.25	99	68

Note: add the letter L or T to order cup holders with L-type or T-type fittings.

MINI CUP HOLDERS WITH MAGNETIC SENSOR

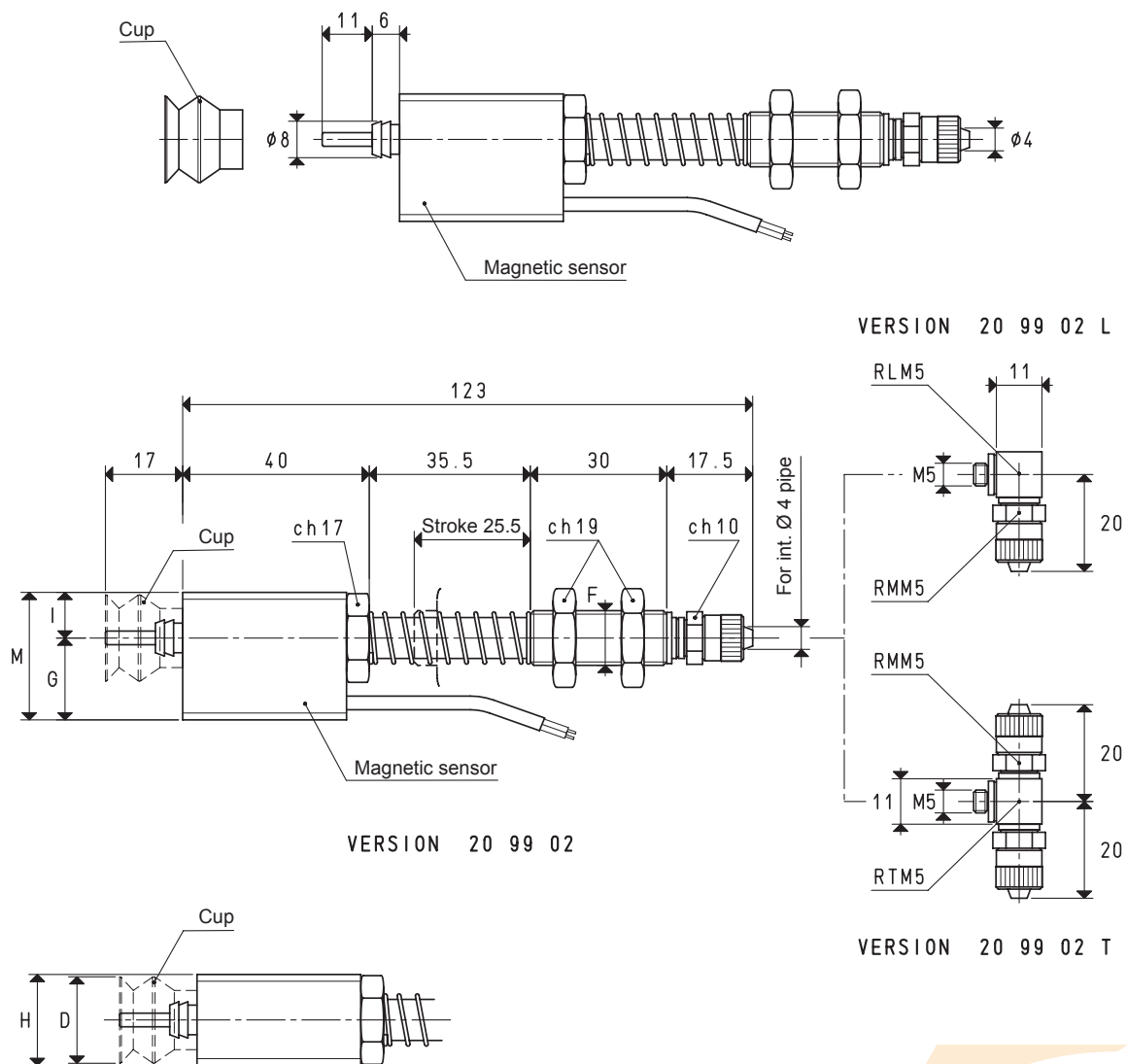


These cup holders share the same technical features of the other mini cup holders. Their distinctive feature is a magnetic sensor which provides an electric signal to the machine every time the vacuum cup grips the load to be handled.

This is the reason why they are recommended to be used on piece counter handlers, boxing machines and in all those cases in which the presence of the gripped object is to be guaranteed.

These cup holders have been designed for gripping chocolate bars, snacks, and similar products and they are currently made in the version represented in this page. However, they can be made with different vacuum cups upon request.

2



CUP HOLDERS WITH STRAIGHT QUICK COUPLER FOR PLASTIC HOSE Ø 4 X 6

Art.	Force Kg	D Ø	F Ø	G	H	I	M	Cup art.	Weight g
20 99 02	0.70	19	M12 x 1.25	18	20	10	28	01 19 17	163.3

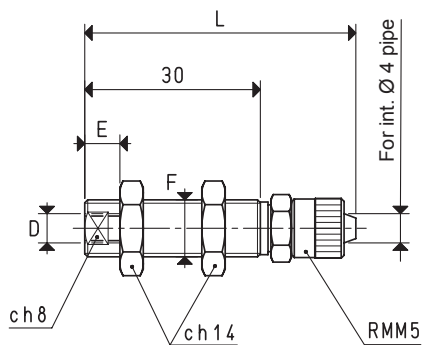
Note: Cups are not an integral part of the cup holders, therefore, they must be ordered separately.

Add the letter L or T to order cup holders with L-type or T-type fittings.

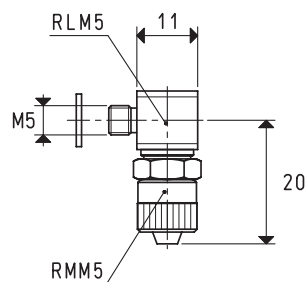
Conversion ratio: inch = $\frac{\text{mm}}{25.4}$; pounds = $\frac{\text{g}}{453.6}$ = $\frac{\text{Kg}}{0.4536}$

MINI CUP HOLDERS FIX

They are simply nickel-plated brass threaded bushes with screwing nuts for height adjustment and with threaded ends, one to assemble the vacuum cup with support and the other for the quick coupling connecting the suction hose.



VERSION 20 70 01

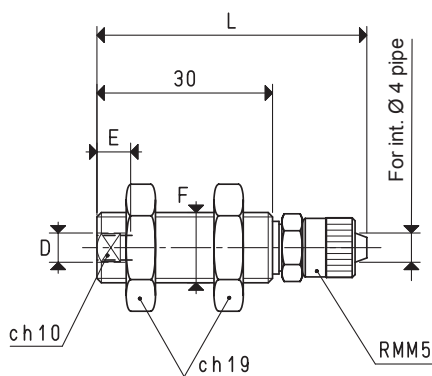


VERSION 20 70 01 L

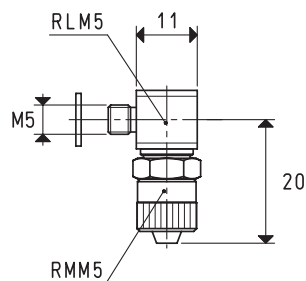
CUP HOLDERS WITH STRAIGHT QUICK COUPLER FOR PLASTIC HOSE Ø 4 X 6

Art.	D Ø	E	F Ø	L	Weight g
20 70 01	M5	6	G1/8"	46	19

Note: Add the letter L to the code to order L-type fittings.



VERSION 20 70 05



VERSION 20 70 05 L

CUP HOLDERS WITH STRAIGHT QUICK COUPLER FOR PLASTIC HOSE Ø 4 X 6

Art.	D Ø	E	F Ø	L	Weight g
20 70 05	M5	6	M12 x 1.25	46	45

Note: Add the letter L to the code to order L-type fittings.