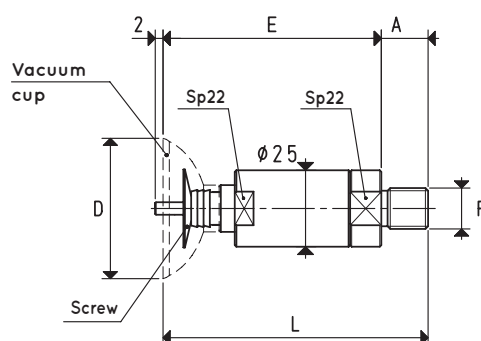
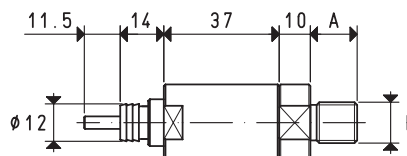
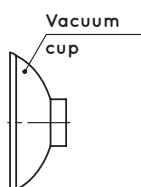
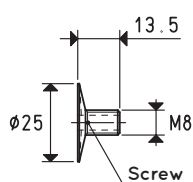
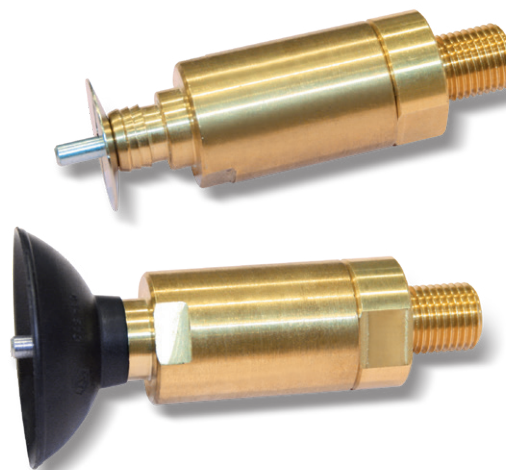


## BASIC VACUUM CUP HOLDERS WITH NO SPRINGING

Their function is the same as the previously described basic vacuum cup holders with plunger valve but, for further bulk reduction, the cushioning spring, the threaded bush with nuts for fixing to the automation and the quick coupler have been removed. This type of cup holder must be assembled onto the vacuum manifold by means of a threaded male shank on its end.



VERSION 03 45 11

Item	Force Kg	A	D Ø	E	F Ø	L	For vacuum cup item	Screw included item	Weight g
03 45 11	3.98	15	45	70	G1/4"	85	01 45 10	00 20 13	174.7

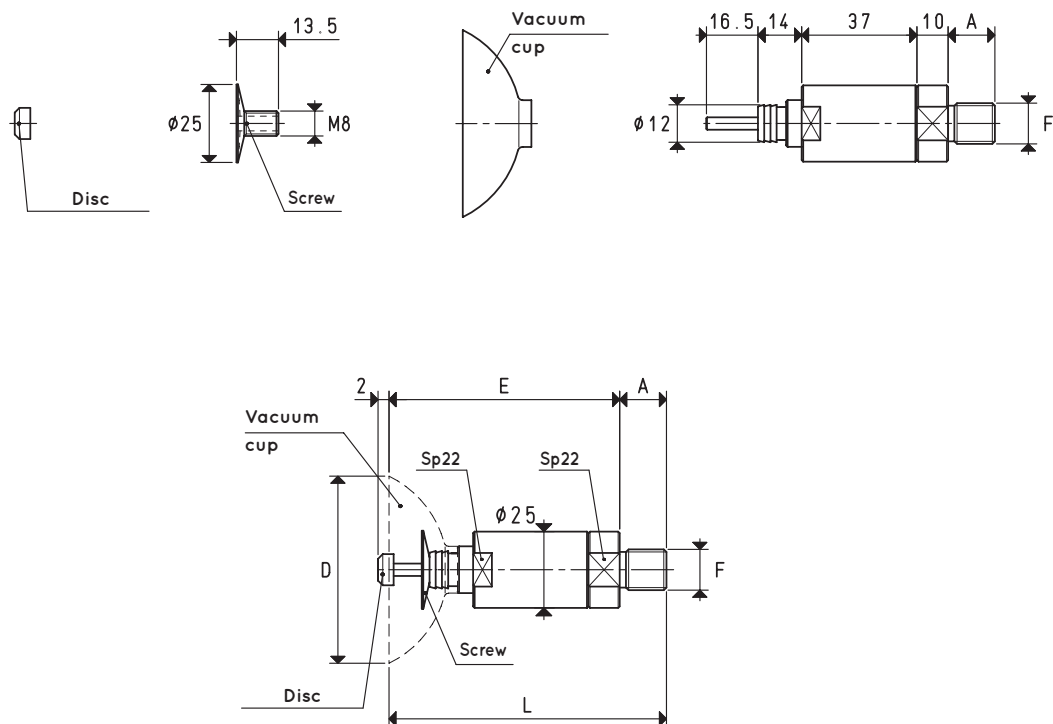
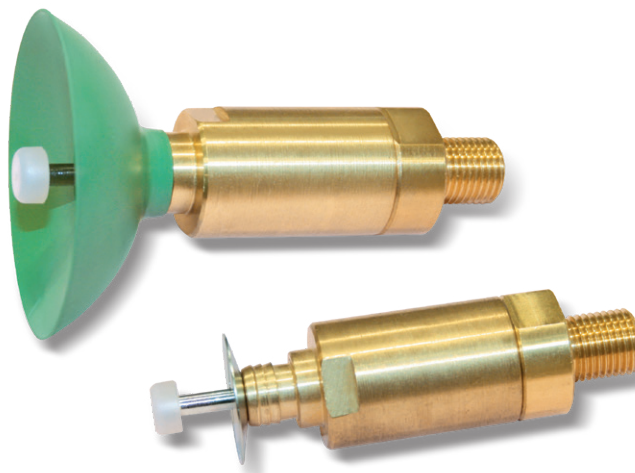
Note: The vacuum cups are not integral parts of the cup holders and, therefore, must be ordered separately.

Note: The force of the vacuum cups indicated in the table represents 1/3 of the value of the theoretical force calculated at a level of vacuum of -75 KPa and a factor of safety 3.

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



## BASIC VACUUM CUP HOLDERS WITH NO SPRINGING



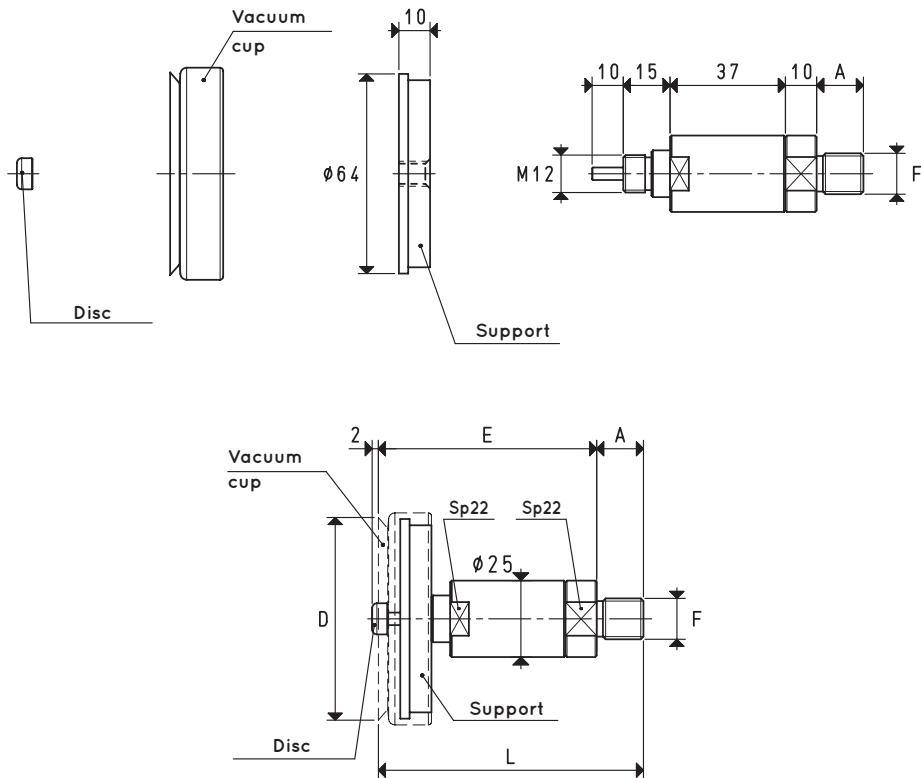
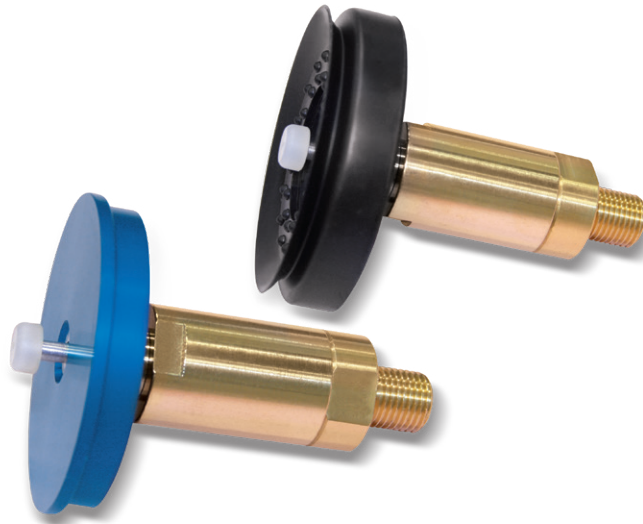
VERSION 03 60 11

Item	Force Kg	A	D Ø	E	F Ø	L	For vacuum cup item	Screw included item	Disc included item	Weight g
03 60 11	7.06	15	60	72	G1/4"	87	01 60 10	00 20 13	00 03 22	191.9

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

Note: The force of the vacuum cups indicated in the table represents 1/3 of the value of the theoretical force calculated at a level of vacuum of -75 KPa and a factor of safety 3.

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



VERSION 03 65 16

Item	Force Kg	A	D Ø	E	F Ø	L	For vacuum cup item	Support included item	Disc included item	Weight g
<b>03 65 16</b>	8.29	15	65	70	G1/4"	85	01 65 15	00 08 32	00 03 22	287.4

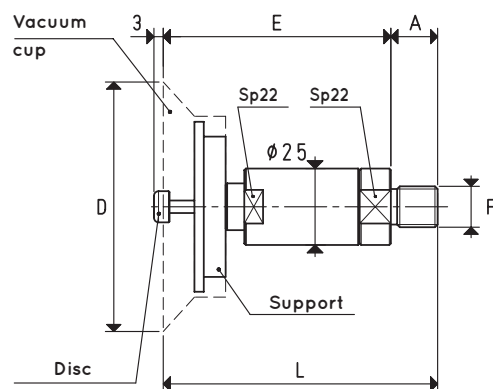
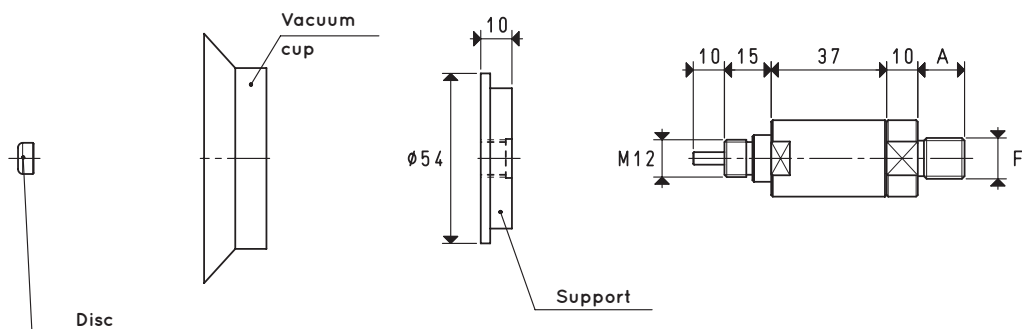
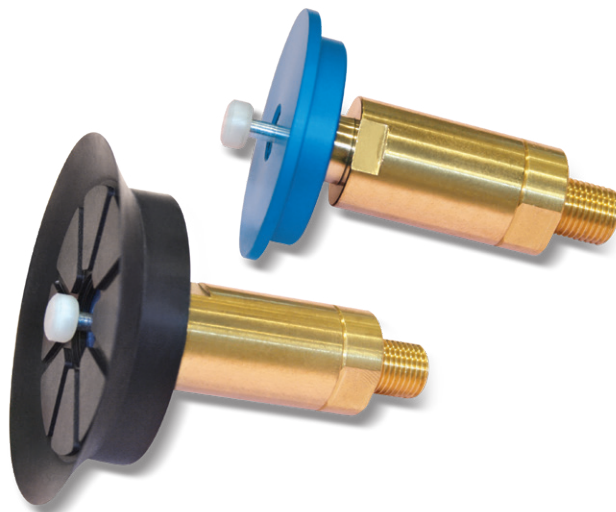
Note: The vacuum cups are not integral parts of the cup holders and, therefore, must be ordered separately.

Note: The force of the vacuum cups indicated in the table represents 1/3 of the value of the theoretical force calculated at a level of vacuum of -75 KPa and a factor of safety 3.

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



## BASIC VACUUM CUP HOLDERS WITH NO SPRINGING



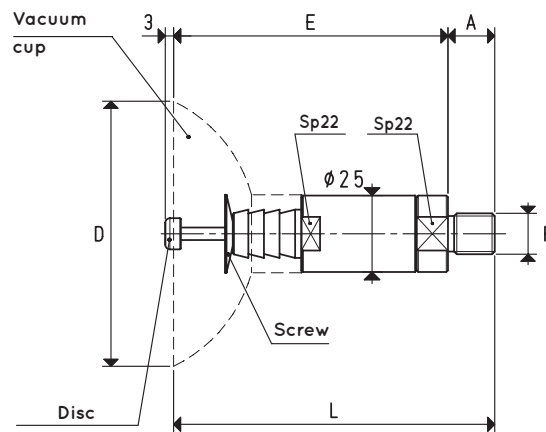
VERSION 03 80 21

Item	Force Kg	A	D Ø	E	F Ø	L	For vacuum cup item	Support included item	Disc included item	Weight g
03 80 21	12.56	15	80	73	G1/4"	88	01 80 20	00 08 126	00 03 22	260.2

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

Note: The force of the vacuum cups indicated in the table represents 1/3 of the value of the theoretical force calculated at a level of vacuum of -75 KPa and a factor of safety 3.

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

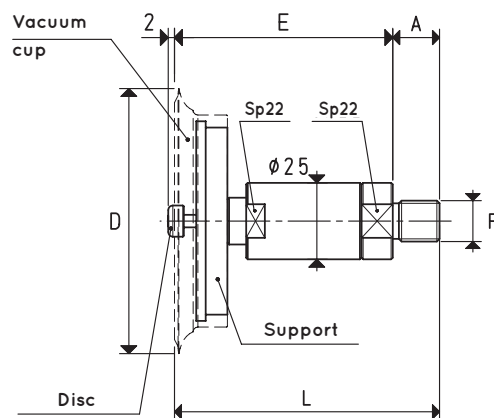
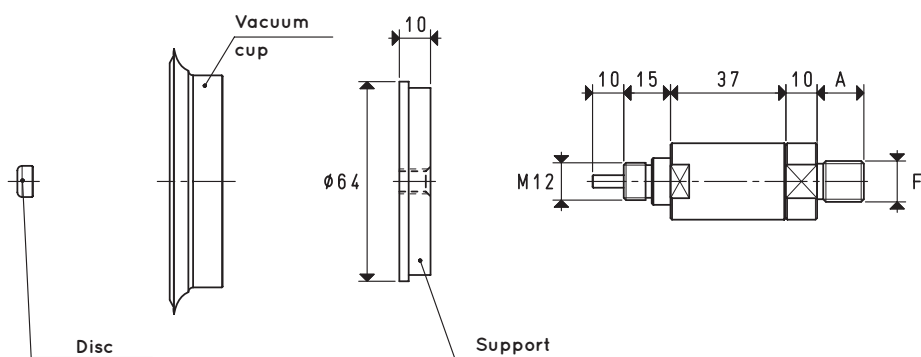
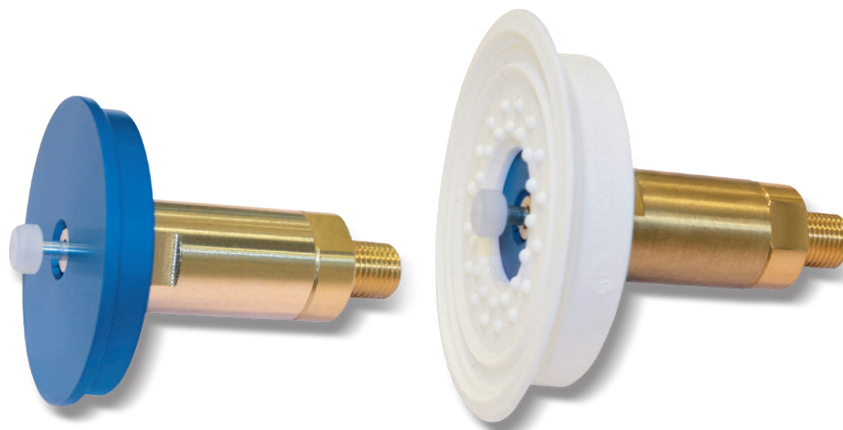


Item	Force Kg	A	D Ø	E	F Ø	L	For vacuum cup item	Screw included item	Disc included item	Weight g
03 85 11	14.18	15	85	92	G1/4"	107	01 85 10	00 20 13	00 03 22	247.9

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



## BASIC VACUUM CUP HOLDERS WITH NO SPRINGING



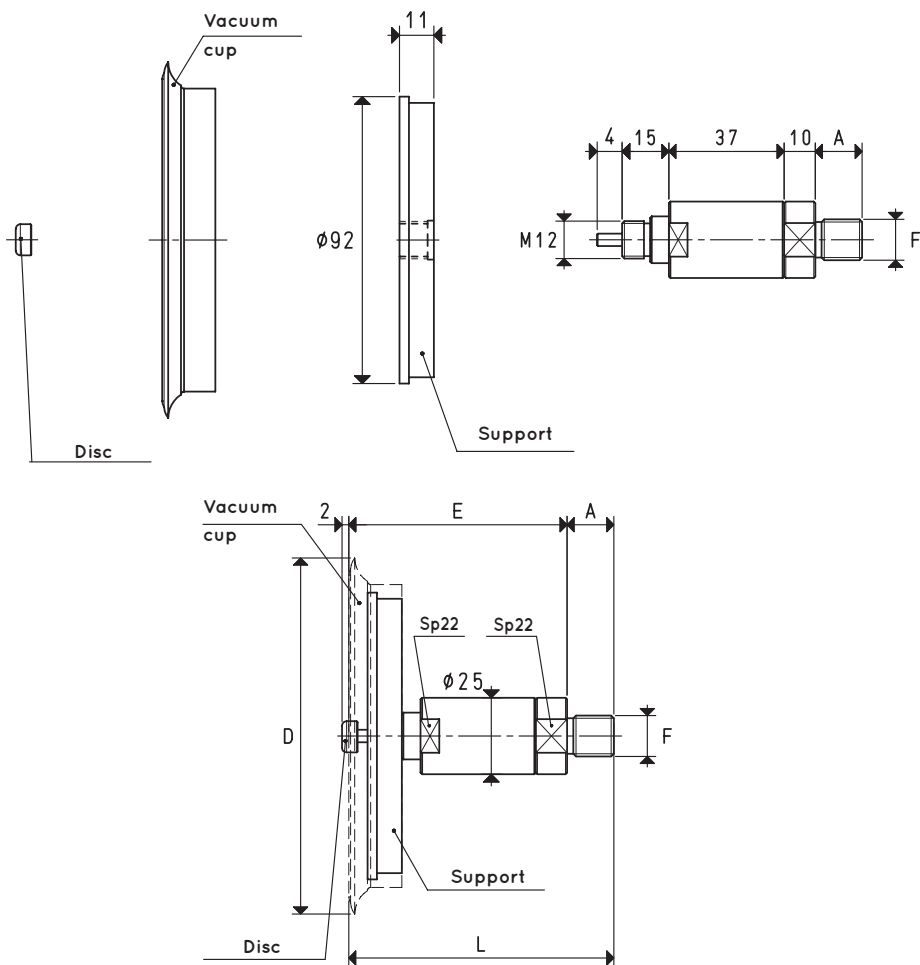
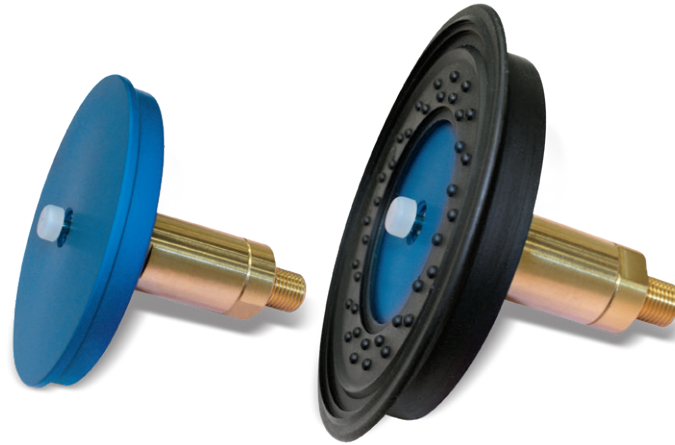
VERSION 03 85 16

Item	Force Kg	A	D Ø	E	F Ø	L	For vacuum cup item	Support included item	Disc included item	Weight g
03 85 16	14.18	15	85	70	G1/4"	85	01 85 15	00 08 32	00 03 22	302.7

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

Note: The force of the vacuum cups indicated in the table represents 1/3 of the value of the theoretical force calculated at a level of vacuum of -75 KPa and a factor of safety 3.

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



VERSION 03 110 11

Item	Force Kg	A	D Ø	E	F Ø	L	For vacuum cup item	Support included item	Disc included item	Weight g
<b>03 110 11</b>	23.74	15	114	70	G1/4"	85	01 110 10	00 08 33	00 03 22	441.3

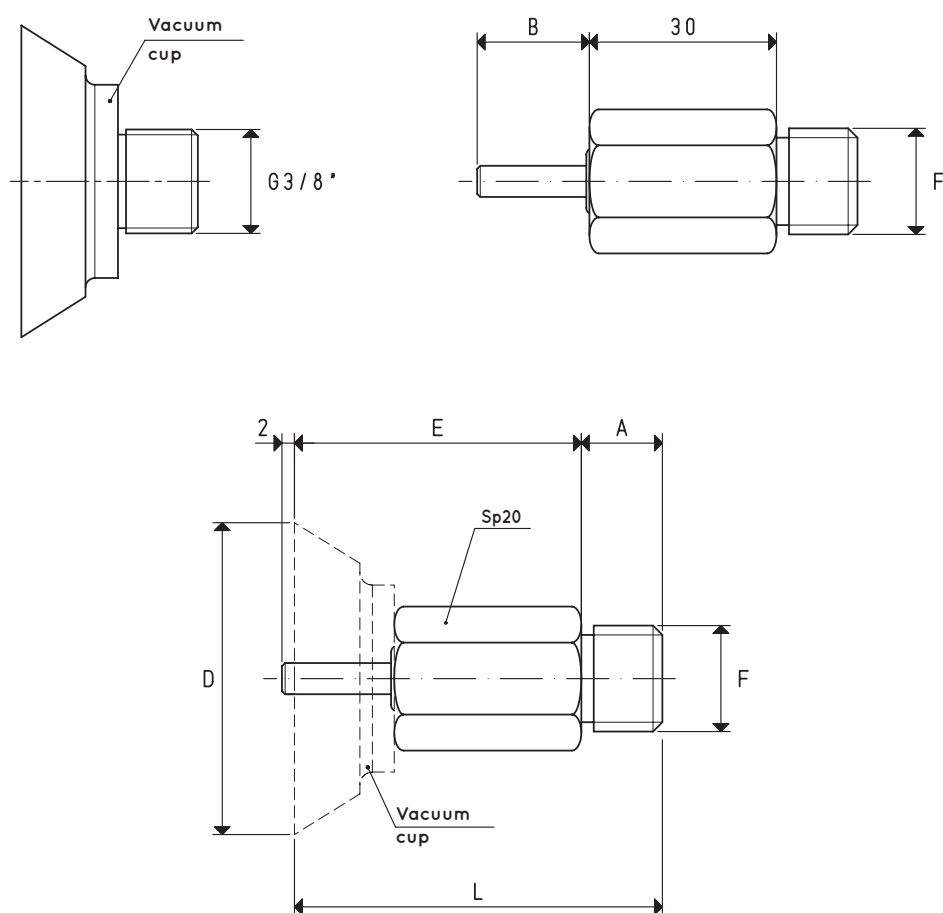
Note: The vacuum cups are not integral parts of the cup holders and, therefore, must be ordered separately.

Note: The force of the vacuum cups indicated in the table represents 1/3 of the value of the theoretical force calculated at a level of vacuum of -75 KPa and a factor of safety 3.

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



## BASIC VACUUM CUP HOLDERS WITH NO SPRINGING



VERSION 03 . . . .

Item	Force Kg	A	B	D Ø	E	F Ø	L	For vacuum cup item	Weight g
<b>03 50 41</b>	4.90	13	18.0	50	46.0	G3/8"	59.0	08 50 40	100.6
<b>03 75 41</b>	11.04	13	27.0	75	55.0	G3/8"	68.0	08 75 40	120.0
<b>03 100 41</b>	19.62	13	28.0	100	56.0	G3/8"	69.0	08 100 40	140.4
<b>03 100 51</b>	19.62	13	32.5	100	60.5	G3/8"	73.5	08 100 50	136.9

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

Note: The force of the vacuum cups indicated in the table represents 1/3 of the value of the theoretical force calculated at a level of vacuum of -75 KPa and a factor of safety 3.

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