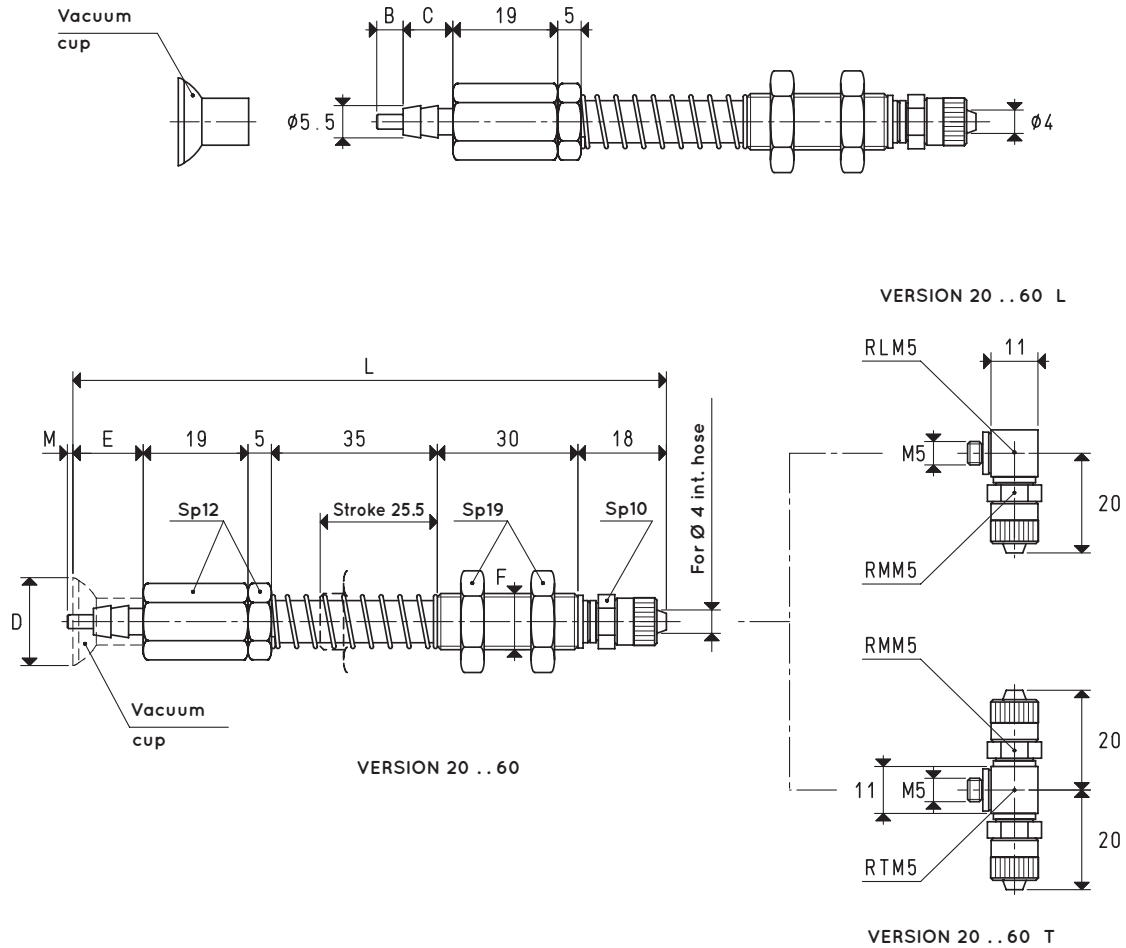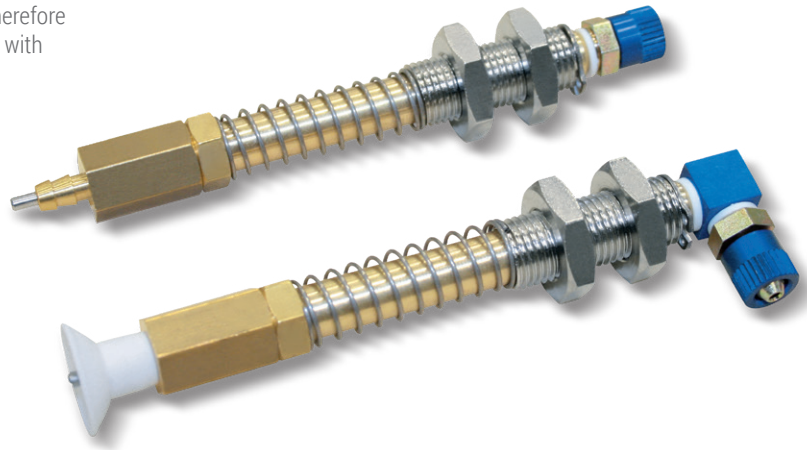# MINI VACUUM CUP HOLDERS WITH PLUNGER VALVE

They share the same mechanical features at the other mini vacuum 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.

Vacuum cup

$\varnothing 5.5$

B | C | 19 | 5

$\varnothing 4$

VERSION 20 . . 60 L

RLM5

11

M5

20

RMM5

L

M | E | 19 | 5 | 35 | 30 | 18

For $\varnothing$ 4 int. hose

Sp12

Stroke 25.5

Sp19

Sp10

D

F

Vacuum cup

VERSION 20 . . 60

RMM5

20

11 | M5

20

RTM5

VERSION 20 . . 60 T

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

Item	Force Kg	B	C	D Ø	E	F Ø	L	M	For vacuum cup item	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	12	12	M12 x 1.25	119	1	01 15 10	78.7
20 18 60	0.63	4.5	8.5	12	12	M12 x 1.25	119	1	01 18 10	78.7

Note: The vacuum cups are not integral parts of the cup holders and, therefore, must be ordered separately.
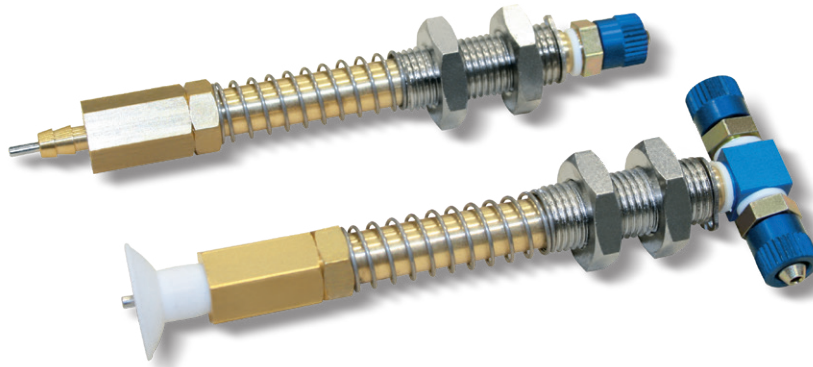   To order vacuum cup holders with L or T fittings, add the letter L or T to the code.

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 = $\dfrac{mm}{25.4}$; pounds = $\dfrac{g}{453.6}$ = $\dfrac{Kg}{0.4536}$

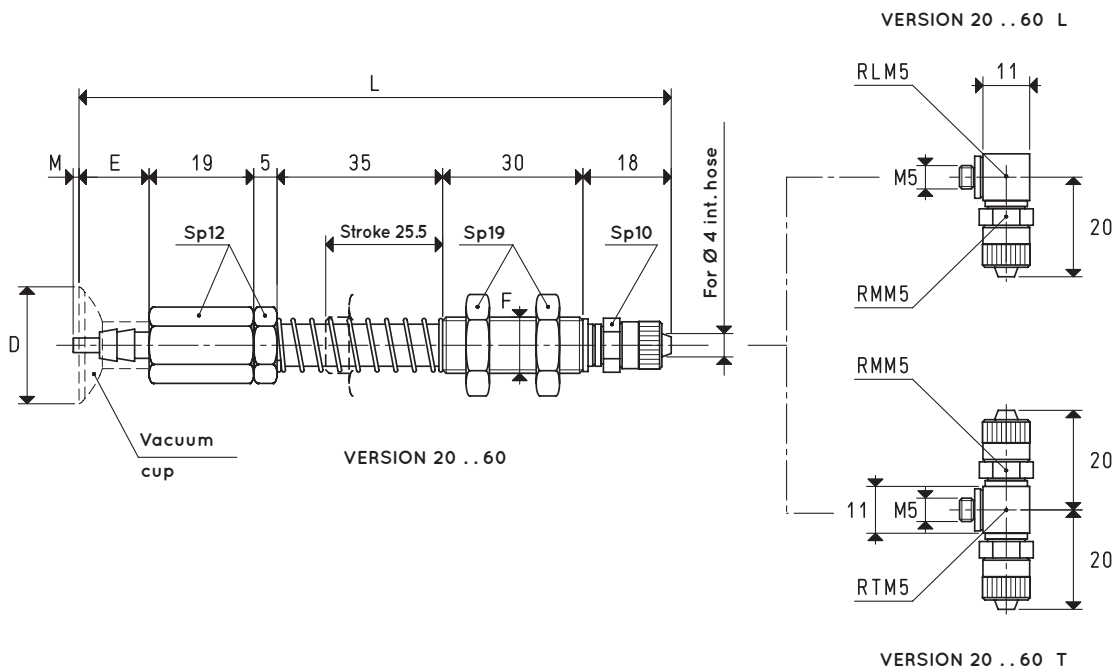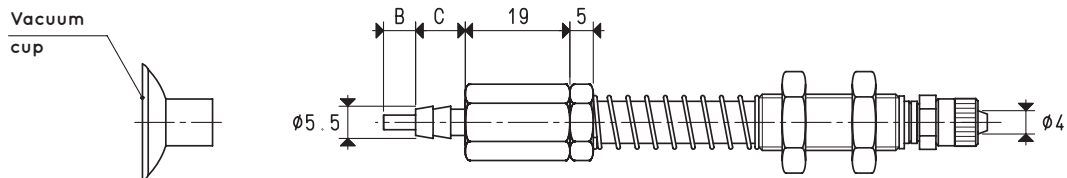# MINI VACUUM CUP HOLDERS WITH PLUNGER VALVE

Vacuum cup

Ø5.5

B C 19 5

Ø4

VERSION 20 . . 60 L

Vacuum cup

L

M E 19 5 35 30 18

Sp12

Stroke 25.5

Sp19

Sp10

F

D

For Ø 4 int. hose

Vacuum cup

VERSION 20 . . 60

RLM5 11

M5

RMM5

20

RMM5

11 M5

RTM5

20

20

VERSION 20 . . 60 T

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

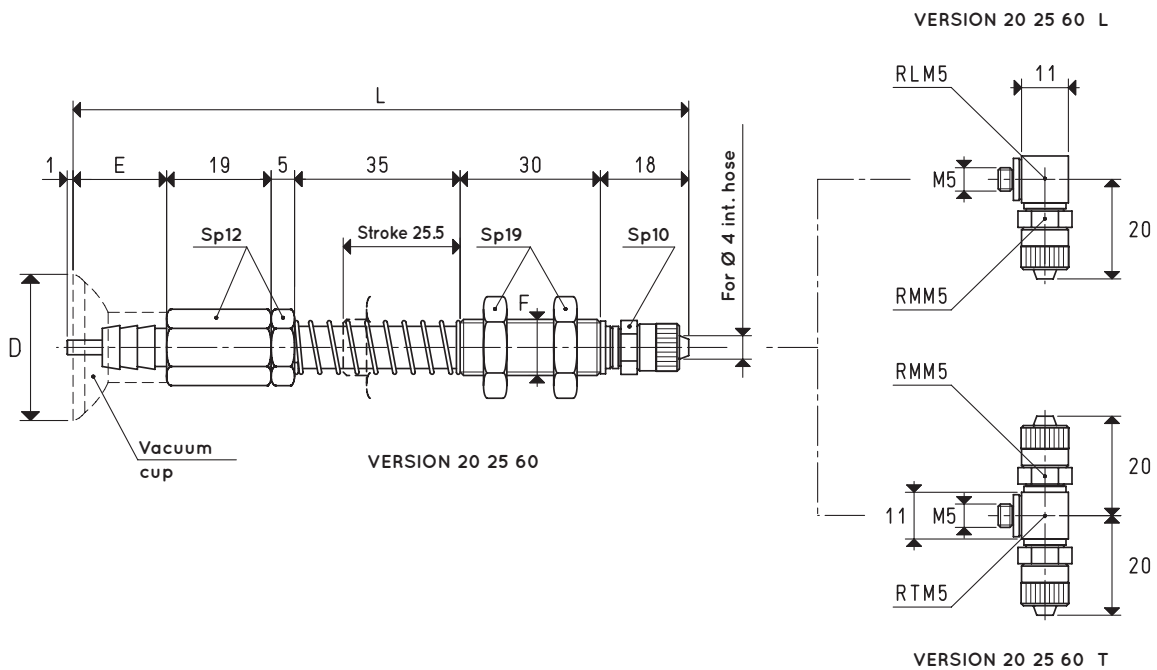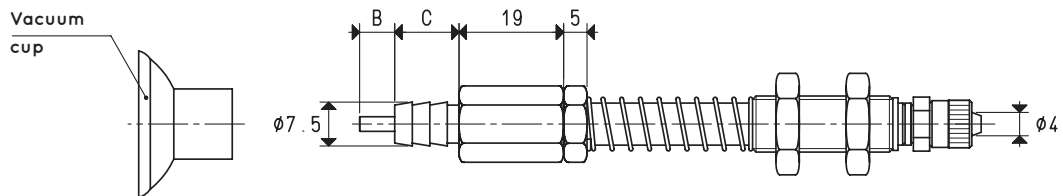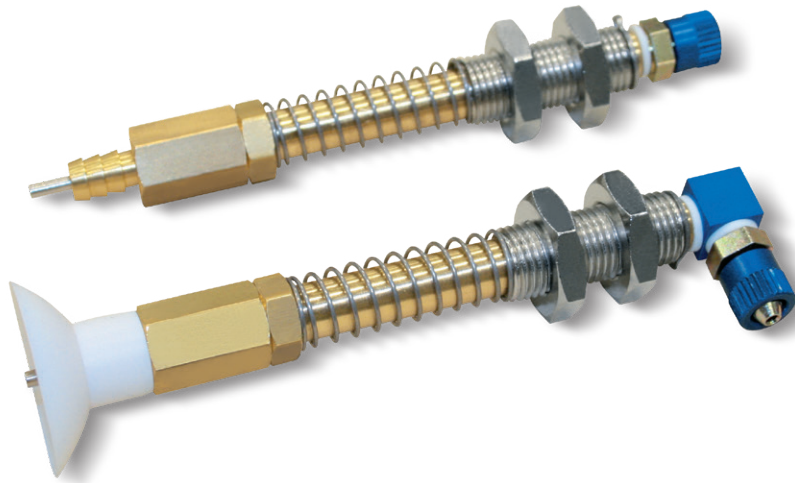| Item	Force Kg	B	C	D Ø	E	F Ø	L	M	For vacuum cup item	Weight g
20 20 60	0.78	5.5	8.5	20	12	M12 x 1.25	119	2	01 20 10	80.8
20 22 60	0.95	5.5	8.5	22	13	M12 x 1.25	120	1	01 22 10	81.2

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

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

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 = $\dfrac{mm}{25.4}$; pounds = $\dfrac{g}{453.6}$ = $\dfrac{Kg}{0.4536}$

MINI VACUUM CUP HOLDERS WITH PLUNGER VALVE

Vacuum cup

Ø 7.5

B C 19 5

Ø 4

VERSION 20 25 60 L

RLM5

11

M5

20

RMM5

L

1 E 19 5 35 30 18

For Ø 4 int. hose

Sp12

Stroke 25.5

Sp19

Sp10

F

D

Vacuum cup

VERSION 20 25 60

RMM5

20

11 M5

20

RTM5

VERSION 20 25 60 T

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

Item	Force Kg	B	C	D Ø	E	F Ø	L	For vacuum cup item	Weight g
20 25 60	1.23	6	11	25	16	M12 x 1.25	123	01 25 15	84

Note: The vacuum cups are not integral parts of the cup holders and, therefore, must be ordered separately.
To order vacuum cup holders with L or T fittings, add the letter L or T to the code.
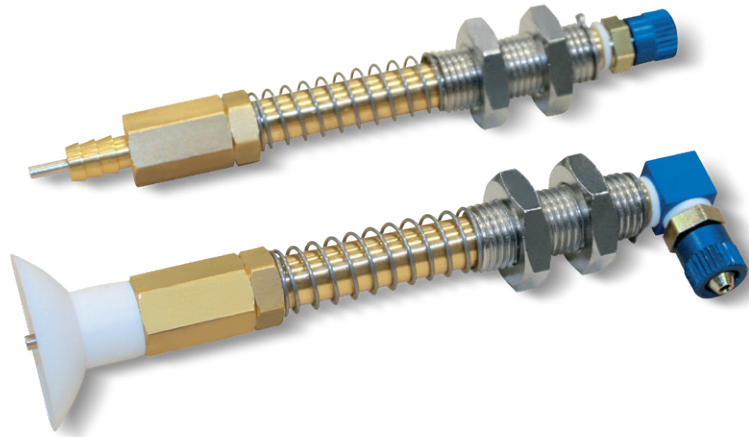
Note: The force of the vacuum cups indicated in the table represents 1/3 of the value of the theoretical force calculated at a level of vacuum of -75 KPa and a factor of safety 3.

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

MINI VACUUM CUP HOLDERS WITH PLUNGER VALVE

Vacuum cup

B C 19 5

Ø7.5

Ø4

VERSION 20 30 60 L

L

1 E 19 5 35 30 18

For Ø 4 int. hose

Sp12

Stroke 25.5 Sp19 Sp10

F

D

Vacuum cup

VERSION 20 30 60

RLM5 11

M5

20

RMM5

RMM5

20

11 M5

20

20

RTM5

VERSION 20 30 60 T

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

Item	Force Kg	B	C	D Ø	E	F Ø	L	For vacuum cup item	Weight g
20 30 60	1.76	7	11	30	17	M12 x 1.25	124	01 30 15	86.7

Note: The vacuum cups are not integral parts of the cup holders and, therefore, must be ordered separately.
To order vacuum cup holders with L or T fittings, add the letter L or T to the code.

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 = $\dfrac{mm}{25.4}$; pounds = $\dfrac{g}{453.6} = \dfrac{Kg}{0.4536}$
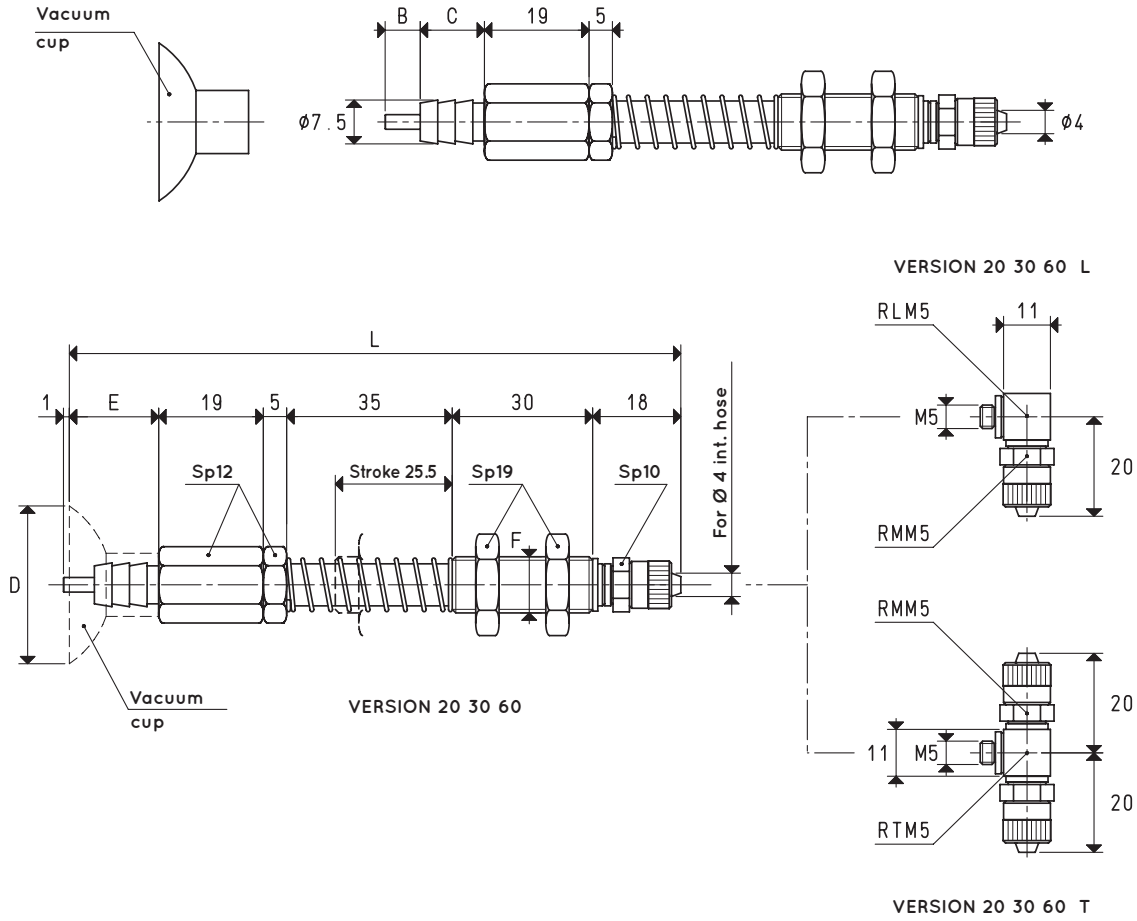
MINI VACUUM CUP HOLDERS WITH PLUNGER VALVE

Vacuum cup

Ø12

B | C | 19 | 5

Ø4

VERSION 20 .. 60 L

M
L
E | 19 | 5 | 35 | 30 | 18

Sp12
Stroke 25.5
Sp19
Sp10
F

D

For Ø 4 int. hose

RLM5
11
M5
20
RMM5

Vacuum cup

VERSION 20 .. 60

RMM5
20
11 | M5
20
RTM5
RMM5

VERSION 20 .. 60 T

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

Item	Force Kg	B	C	D Ø	E	F Ø	L	M	For vacuum cup item	Weight g
20 35 60	2.40	7	11	35	16	M12 x 1.25	123	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: The vacuum cups are not integral parts of the cup holders and, therefore, must be ordered separately.
To order vacuum cup holders with L or T fittings, add the letter L or T to the code.

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