

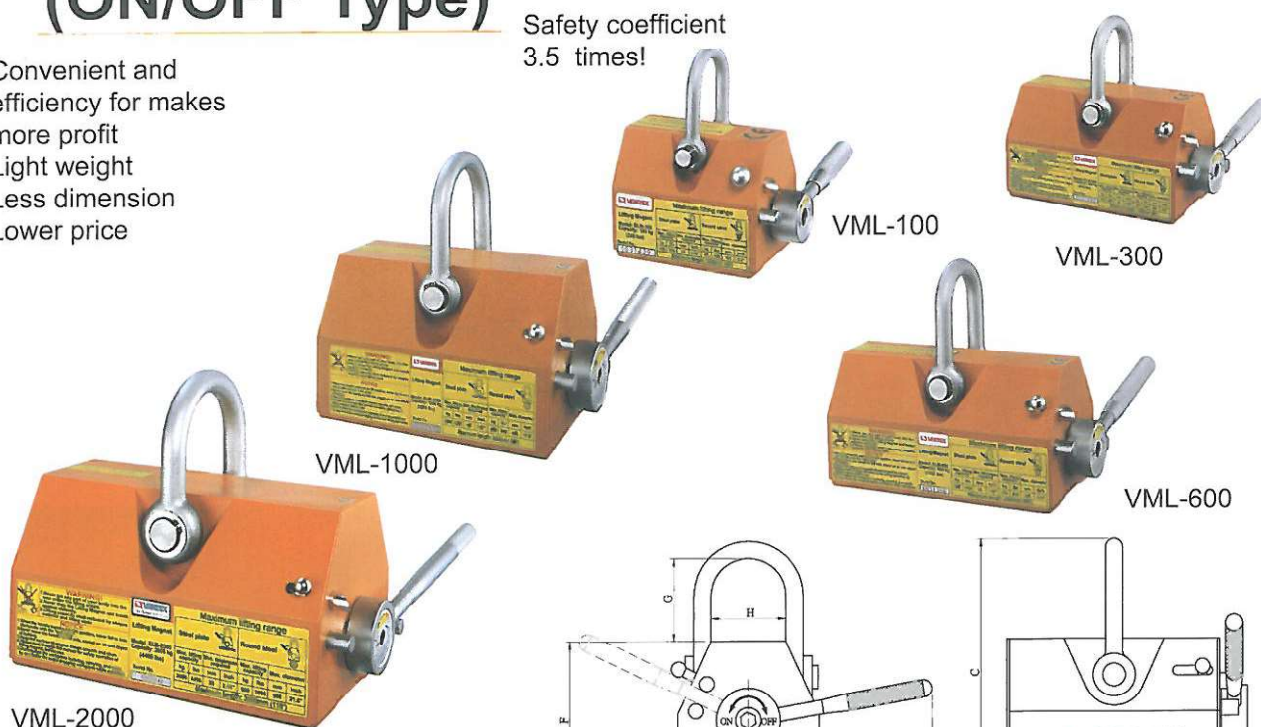


# Permanent Magnetic Lifter (ON/OFF Type)

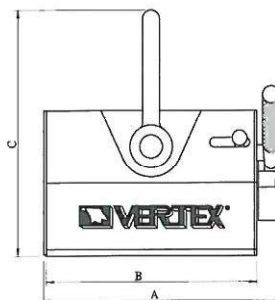
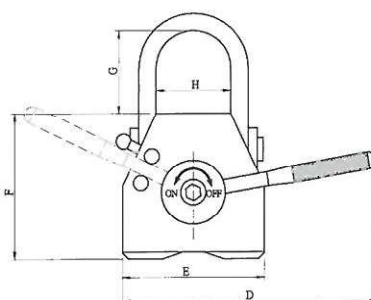


Convenient and  
efficiency for makes  
more profit  
Light weight  
Less dimension  
Lower price

Safety coefficient  
3.5 times!



VML-2000



## FEATURES OPERATION Notice:

- Each size suit for plate type & round type steel using.
- All new models with "light weight" less dimension" and "lower price".
- Made by permanent magnet, require no power supply, thus eliminating hazards due to failure wiring system as electric type.
- It features powerful magnetic force, with 3.5 times safety coefficient makes more safety in use.

## OPERATION

With ON/OFF switch, it is very easy and convenient to operate.

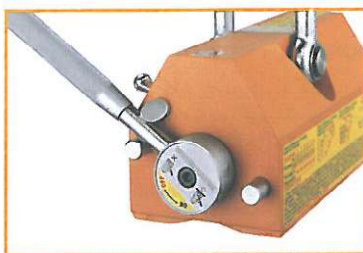
See as the example pictures as below

## Notice:

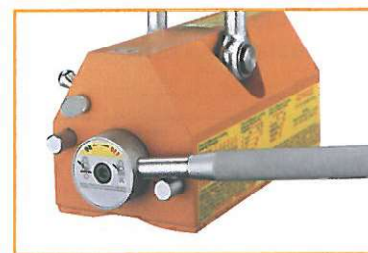
Never moves the handle to "ON" side, except on an iron object of holding.

- Never operate over human's head.

**ON**



**OFF**



## DIMENSIONS

ORDER NO.	Capacity	A	B	C	D	E	F	G	H	Weight	SAFETY COEFFICIENT	CODE NO.
	kg lbs	mm inch	mm inch	mm inch	mm inch	mm inch	mm inch	mm inch	mm inch	kg lbs		
VML-100	100 220	107 4.2	84 3.3	120 4.7	125 4.9	60 2.4	71 2.8	41 1.6	30 1.2	2.7 5.5	x3.5 times	2018-060
VML-300	300 660	180 7.1	155 6.1	156 6.1	185 7.3	90 3.6	93 3.7	51 2.0	41 1.6	9.1 18.9		2018-061
VML-600	600 1320	255 10	224 8.8	212 8.3	260 10.2	115 4.5	120 4.7	77 3.0	52 2.0	21.5 46		2018-062
VML-1000	1000 2200	280 11	245 9.6	286 11.3	371 14.6	165 6.5	169 6.7	97 3.8	87 3.4	53.4 101		2018-063
VML-2000	2000 4400	422 16.6	380 15	348 13.7	512 20.2	216 8.5	215 8.5	105 4.1	121 4.8	127.8 259		2018-064



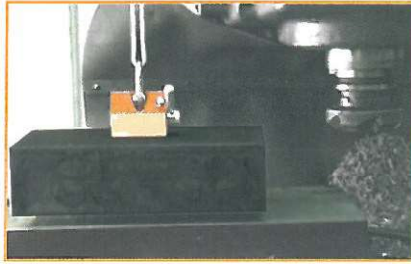
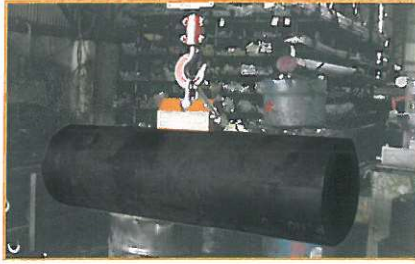


# Permanent Magnetic Lifter (ON/OFF Type)



## APPLICATIONS

- Suitable for move plate steel, block steel and round steel, such as machine parts, press molds, plastic molds and iron material .....etc.



## LOAD OF HOLDING POWER

- The load of holding power will changes depending on the thickness, attractive face roughness and quality of material and clearance between the workpiece with magnet.

	Thickness		Percentage of lifting capacity					
	mm	inch	VML-3000	VML-2000	VML-1000	VML-600	VML-300	VML-100
T1	up 60	up 2.36"	100%	100%	100%	100%	100%	100%
T2	55	2.16"	95%	95%	100%	100%	100%	100%
T3	50	1.97"	90%	95%	100%	100%	100%	100%
T4	45	1.77"	85%	90%	100%	100%	100%	100%
T5	40	1.57"	80%	85%	100%	100%	100%	100%
T6	35	1.38"	70%	75%	90%	100%	100%	100%
T7	30	1.18"	60%	65%	80%	100%	100%	100%
T8	25	0.98"	50%	55%	70%	90%	100%	100%
T9	20	0.79"	40%	45%	60%	75%	90%	100%
T10	15	0.59"	30%	35%	50%	60%	70%	100%
T11	10	0.39"	20%	25%	35%	45%	50%	70%
T12	5	0.20"	10%	15%	20%	25%	30%	40%

Table of difference in holding power by attractive face roughness For all models

	0	50%	100%	125%
F1	▽▽▽			125%
F2	▽▽		100%	
F3	▽		90%	
F4	~	65%		

Table of difference in holding power by material quality For all models

	0	50%	100%
M1	Low carbon		100%
M2	Moderate carbon		85%
M3	High carbon		75%
M4	Cast iron		70%

Calculating Formula for "Range of Lifting Capacity" → (TxFxMxCapacity of Lifter)

Example:

Terms of workpiece: T8, F1 and M2



90% x 125% x 85% x 600kgs (VML-600)=573kgs

## SAFETY COEFFICIENT x 3.5 times

The capacity of magnet indicated as 1/3.5 of holding power, it means the real holding power is 3.3 times of capacity. For example the capacity of VML-600 is 600kgs (1320lbs) but the real holding power is 1980kgs (4350lbs).

The large safety coefficient is consideration for ensuring the use in safety.

## MAXIMUM LIFTING RANGE

FORM OF MATERIAL	STEEL PLATE 		ROUND STEEL 			
	Max.lifting capacity	Min.thickness required	Max.lifting capacity	Min Dia	Max.diameter	
ORDER NO.	kg lbs	mm inch	kg lbs	mm inch	mm inch	mm inch
VML-100	100 220	15 0.59"	45 99	80	150 5.9"	1000 40"
VML-300	300 660	25 0.98"	135 300	100	250 9.8"	1500 60"
VML-600	600 1320	30 1.18"	270 600	180	350 13.8"	2000 80"
VML-1000	1000 2200	40 1.57"	450 990	230	450 17.8"	2500 98"
VML-2000	2000 4400	55 2.16"	900 1980	260	550 21.6"	3000 118"
VML-3000	3000 6600	60 2.36"	1350 2970	300	650 25.6"	3500 138"





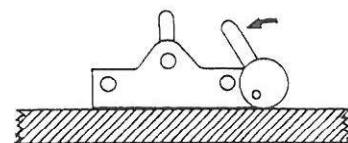
## CAM TYPE

### FEATURES

- Normal operation is not influenced on power off or system breakdown, as there is permanent magnet.
- Cam mechanism, easy operation.
- Ground surface of workpiece may be attracted to be scrap occasionally, please be careful.

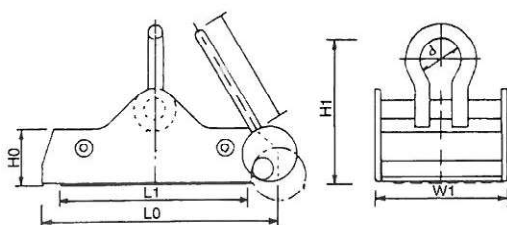
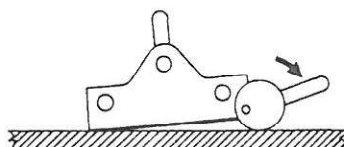
### LOADING

- Take the magnetic table on the workpiece, and move it at the vertical position.



### UNLOADING

- Move the level at the horizontal position, the workpiece will be separated.



- Never operate over human's head.

ORDER NO.	CAPACITY	W1	L1	L0	H0	H1	d	l	NET WEIGHT (KGS)	CODE NO.
VGP-100	1000kg	204	298	366	65	125	50	135	25.8	2018-040
VGP-200	2000kg	330	380	445		130			46.8	2018-041



# Magnetic Holder

## HANDLE TYPE

### FEATURES

- Work is held and released very smoothly.
- Most suitable to move materials or semi-finished products such as black steel plate, flat iron and other materials etc.

### HOLDING POWER

It depends on the attractive face, quality and thickness of material and clearance between the material and magnet.

### MAXIMUM HOLDING POWER

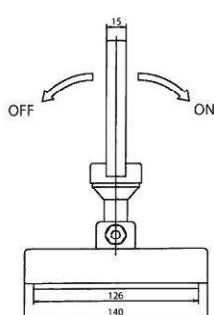
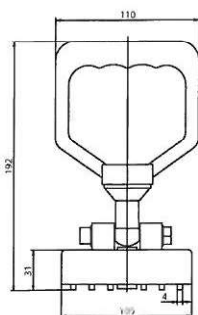
Workpiece must be thick enough and the surface must be free of dust. magnetic attraction is best and with low carbon-soft steels.



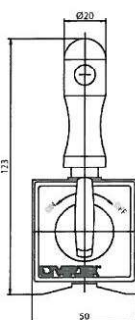
VML-80



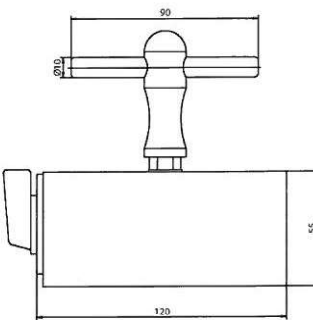
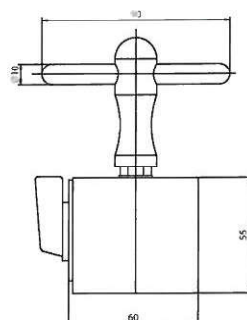
VML-140



VML-150

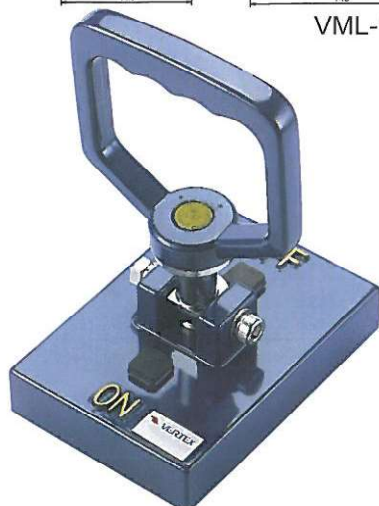


VML-80



VML-140

Unit:mm



VML-150

ORDER NO.	CAPACITY	L	W	H	N.W (KGS)	CODE NO.
VML-80	80kgf	60	50	55	1.23	2018-054
VML-140	140kgf	120	50	55	2.2	2018-055
VML-130	130kgf	120	50	55	1.9	2018-053
VML-150	150kgf	140	100	192	2.5	2018-056

