

MLX *Lifting magnets*

For lifting flats / rounds and horizontal loading



WENmagnetics
MLX-1000

Capacity	Weight	Length	Width
1000 kg	120 kg	1000 mm	100 mm
500 kg	60 kg	500 mm	50 mm
250 kg	30 kg	250 mm	25 mm



- *Powerful*
- *Safe*
- *Ergonomic*
- *Efficient*
- *Flexible*



WENmagnetics

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MLX Series magnetic lifters

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Combining the latest developments in neodymium rare-earth permanent magnets with careful design provides the optimum combination of exceptional lifting capacity in compact, easily handled lifters.

The series comprises four models for vertical lifting of flats and bars plus two additional configurations for horizontal loading.

MLX lifters are manually actuated using a hand operated lever – in the **off** state they are de-energized and non-magnetic, while in the **on** state the magnetic energy is absorbed by the load. This design is safe – no stray magnetism – and flexible – no power required, complete flexibility of use.

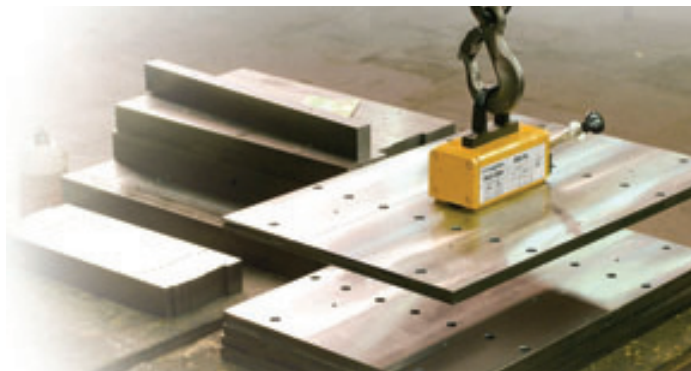


The MLX lifters improve productivity and safety

- Magnetically grip from top of load,
- Eliminate need for side access – can lift from tightly spaced stacks,
- Eliminate need for spacers between layers,
- Do not squeeze or deform material being lifted,
- Eliminate slings, chains and searching for eye-bolts,
- Flexible – no power, no batteries, no cables.

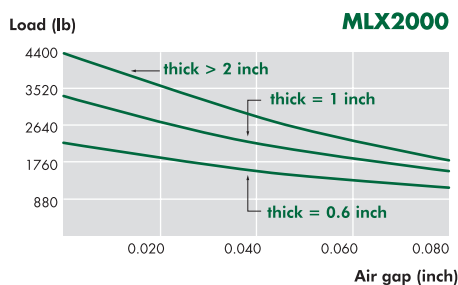
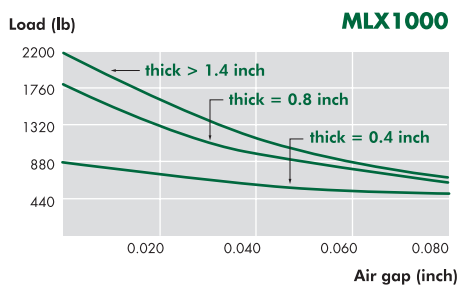
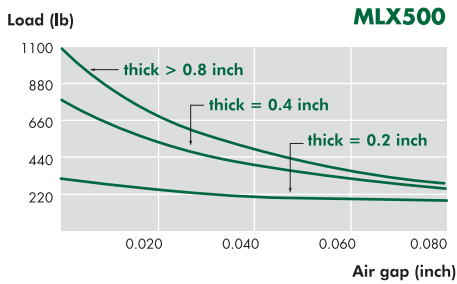
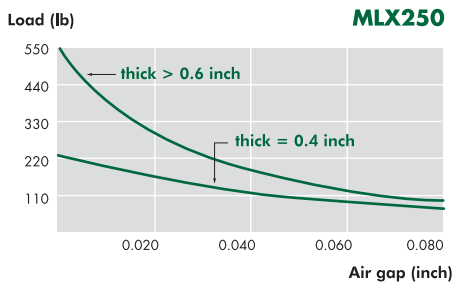
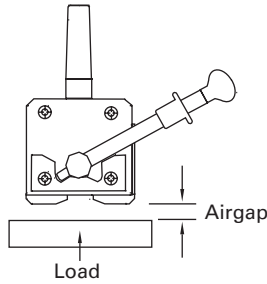
Advantages of the MLX design

- Bi-Polar contacts for lifting of flats and bars,
- Single handed operation,
- Best-in-class performance for thin loads,
- Exceptional magnetic performance on rough contact surfaces,
- Smooth, gentle lever action with safety latch,
- Non-magnetic and safe to handle when **off**,
- Low maintenance,
- 3x safety rating.



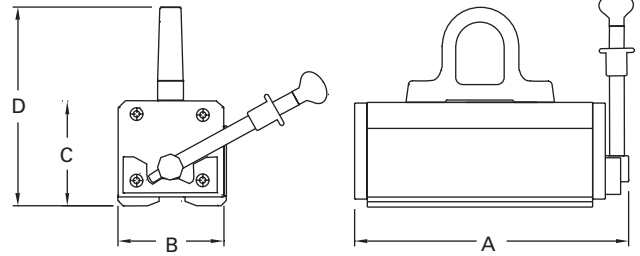
Performance Curves

Safe Working Load curves at various load thicknesses and air-gaps for A36 Steel. Safety coefficient = 3. Detachment 3 times higher than max. load.



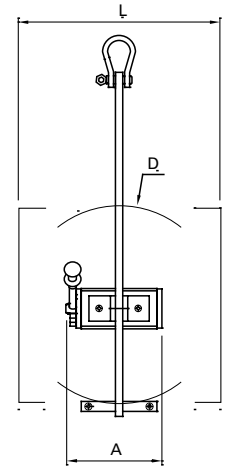
Vertical Lifting

Model		MLX-250	MLX-500	MLX-1000	MLX-2000
Load Rating - Flats (lb)		550	1,100	2,200	4,400
at min. load thickness	(inch)	0.6	0.8	1.4	2.0
Load Rating - Shafts (lb)		220	550	1,100	2,200
Shaft Diameter - Min/Max	(inch)	1.6 / 13.7	2.4 / 15.7	4.2 / 15.7	6.0 / 20.0
Break-away force*	(lb)	1,790	3,585	6,975	14,300
Dimensions: A	(inch)	7.4	10.3	14.2	19.1
B	(inch)	3.1	3.9	5.5	7.1
C	(inch)	3	3.7	5.3	6.7
D	(inch)	6	7.3	9.3	11.4
Weight	(lb)	15	35	88	198

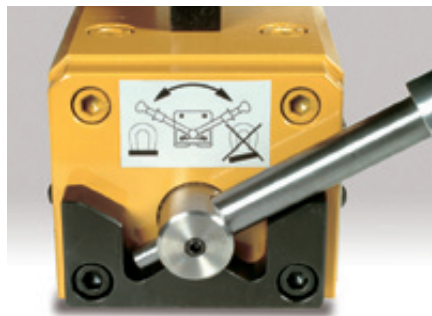


Horizontal Loading

Model		MLX-250-SV	MLX-500-SV
Load Rating - Flats (lb)		385	770
at min. load thickness	(inch)	0.6	0.8
Break-away force*	(lb)	847	2310
Dimensions: A	(inch)	7.4	10.3
B	(inch)	7.6	10.3
C	(inch)	30.7	38.2
D	(inch)	8 / 19	8 / 27
E	(inch)	0.5 / 4	0.6 / 4.7
H	(inch)	8 / 19	10 / 27
L	(inch)	8 / 39	12 / 39
Weight	(lb)	29	55



* Break-away force under ideal conditions - flat, low carbon steel load, minimum 2.5" thick with fine ground surface.



Manual actuation handle – single-handed operation and spring-loaded safety lock in both on and off positions.

