

Ultralift LM Lifting Magnet

Manually operated general purpose lifter

Datasheet no. 302

Excellent performance to weight ratio achieved by using high-energy neodymium magnets arranged in an efficient magnetic circuit Superb holding force for a safe, reliable lift.

Locking switch on clamping mechanism prevents accidental switching.

Suitable for

Ferrous sheet/plate thicknesses greater than 20mm
maximum weight of 2000kg

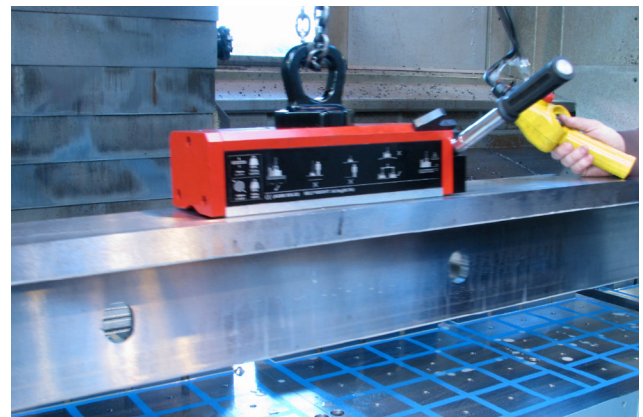
Ferrous round bar up to 600mm diameter maximum weight of 800kg

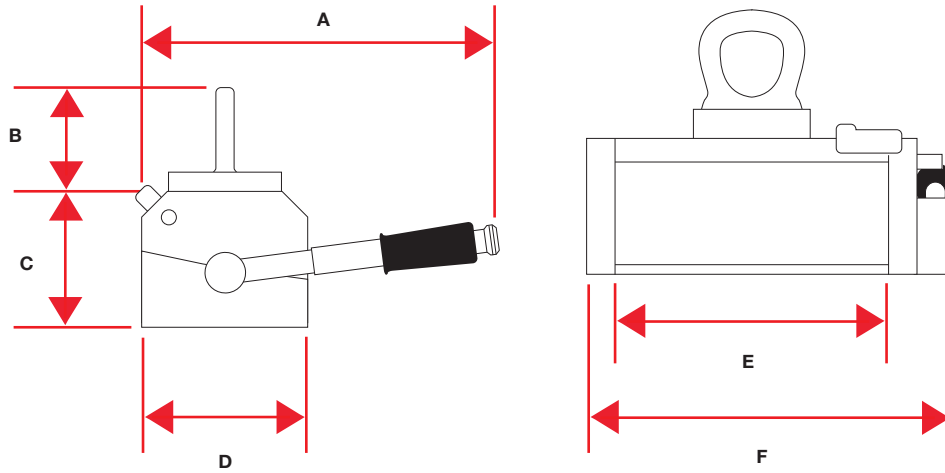
Suitable locations

Machine shops, fabrication shops, steel stockholders, manufacturers

Benefits

- Easy to install
- Simple one man operation
- No power required
- Load surface not marked
- High performance magnet material providing high performance at a lower weight
- Save space as access is only needed to the top of the load
- Handle locking mechanism ensures safe lifting





Product	Unit Weight kg	Max. Length of load mm	Flat Section		Round Section		Dimensions mm					
			SWL* kg	Thickness Min. mm	SWL* kg	Diameter Max. mm	A	B	C	D	E	F
LM0125	4.5	1500	125	20	50	250	150	54	62	76	110	150
LM0250	8.5	1500	250	25	100	300	210	76	72	90	165	200
LM0500	17.5	2000	500	30	200	400	281	103	88	106	225	243
LM1000	36.5	3000	1000	45	400	450	391	113	103	136	325	365
LM2000	79	3000	2000	55	800	600	483	170	132	186	400	526

*Safe working load

Performance

SWL performance criteria

Flat ground mild steel plate of thickness, equal to or greater than the specified minimum thickness

Magnetic material

Rare earth neodymium iron boron

Temperature

-10°C (14°F) / +80°C (176°F)

Maximum humidity

80%

Materials

End plates

Aluminium - painted

Housing

Mild steel

Pole feet

Mild steel - plated

Conformity

The Ultralift Plus range conforms to the following:

Machinery Directive 98/37/CE

BS EN ISO12100-1 Basic Engineering Principles

BS EN 13155:2003 Cranes safety: non-fixed load lifting attachments

SS7665601 Swedish standards for magnetic lifting devices

ASME B30.20

If you have any more questions, require technical assistance and would like a quotation, contact us.

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While every effort has been made to ensure the accuracy of the information in this publication please note that specifications may change without notice.



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