Ultralift E Lifting Magnet

At A Glance

- 3:1 WLL - safely lift ferrous materials
- Lifts up to 2000kg (4400lb) Flat Plate
- Lifts up to 900kg (1980lb) Round Bar
- Lever to manually Switch 'On' and 'Off'

Our UltraLift E lifter range is a performance lifter for safely lifting ferrous plate and round bar, with a 3:1 WLL design.

Depending on the version, the UltraLift E can be used on minimum ferrous plate thickness from 15mm thick. The WLL varies for lifting ferrous flat plate, starting at a maximum of 100kg (220lb) for the ULE0100 rising up to 2000kg (4400lb) for the ULE2000. Similalry, the WLL for lifting ferrous round bar varies from up to 50kg (110lb) for the ULE0100 (80mm maximum diameter) rising up to 900kg (1980lb) for the ULE2000 (diameter limits apply for each version). Please note that the WLL varies with material type, thickness/ diameter, air gap and contact area, e.g. the thinner the plate the less the holding force achieved will be.

Benefits

- No Power Supply required
- 3:1 Safety Factor for lifting
- Lifts Ferrous Plate up to 2000kg (4400lb) WLL
- Lifts Ferrous Round Bar up to 900kg (1980lb) WLL
- Easy to use
- Simple one person operation.

Performance

Magnetic Performance	From 100kg (220lb) up to 2000kg (4400lb) WLL (flat plate) (value varies with thickness and/or diameter) - see next page
Magnet Type	Permanent Magnet Lifter
Temperature Range	-10°C to +40°C (14°F to +104°F)

Suitability

Suitable Products	Ferrous materials (e.g. mild steel)
Suitable Location	Example - factory shopfloor / production line

Materials

Magnetic Material	Neodymium Iron Boron
Other Parts	Various, including Mild Steel, Aluminium, Plastic

Maintenance

- As part of LOLER, PUWER, ASME B30.20 and H&S advice, you need to regularly inspect Lifters to ensure they are not damaged and are suitable for lifting the parts
- Annual inspection is a minimum requirement
- We can carry out on site lifter testing
- We can inspect and service / repair our Lifters for you

Alternatives

- UltraLift Plus (maximum safety lifting) for thicker ferrous plate and round bar
- UltraLift TP for thinner ferrous plate
- Optimag E (ESPM)
- Optimag P (PSPM)

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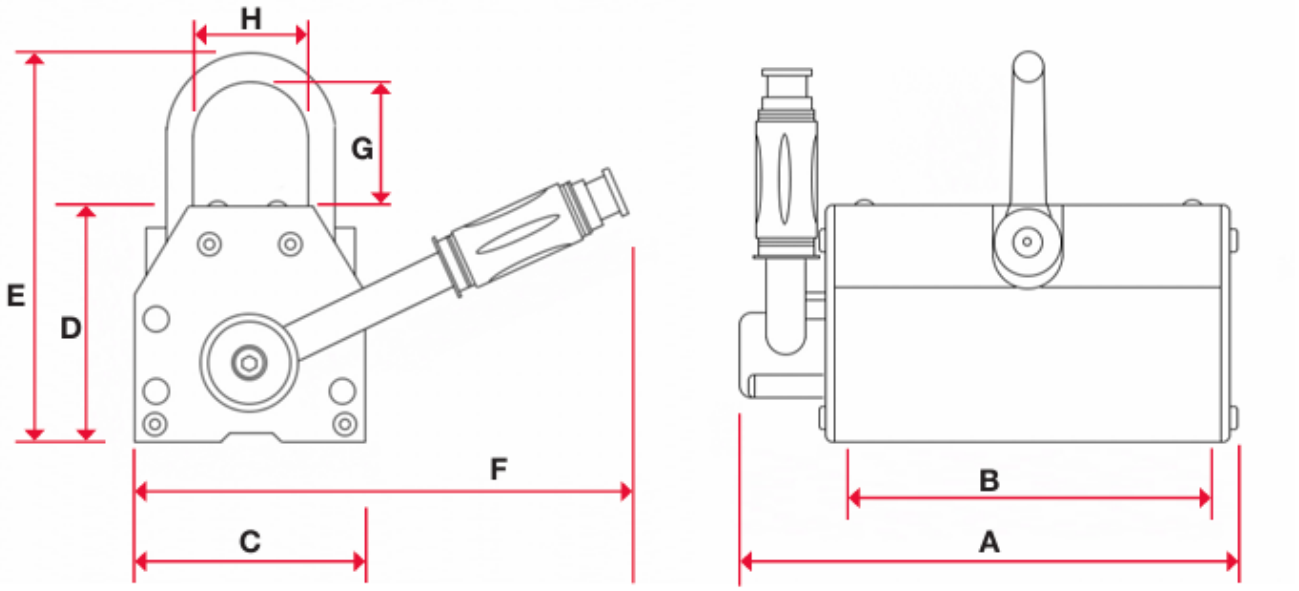

Product Number	Dimensions (mm) A	B	C	D	E	F	G	H	Self Weight (kg)	Flat Plate/ Section WLL* (Kg)	Flat Plate/Section Minimum Thick-ness (mm)	Maximum Material Length (mm)	Round Bar WLL* (Kg)	Round Bar Maximum Diameter (mm)	Units per Pack
ULE0100	131	91	65	75	124	185	45	32	3	100	15	1000	50	80	1
ULE0300	202	157	95	95	169	253	63	46	10	300	20	1500	150	100	1
ULE0600	283	248	120	118	220	280	90	61	23	600	30	2000	300	140	1
ULE1000	350	308	136	140	269	310	110	79	39	1000	40	2500	500	180	1
ULE2000	442	378	162	170	310	410	120	91.5	74	2000	50	3000	900	300	1

*Please note that the Working Load Limit (WLL) is now used instead of Safe Working Load (SWL). The Lifting force values shown include the 3:1 safety factor and have been based on using the stated thin plate thickness's of high magnetic permeability steel with no air gaps. Air gaps, thinner materials and materials with lower magnetic permeability can all reduce the pull force a lifter can actually achieve. Please note that the achievable pull force is reduced when lifting thinner mild steel plate. You must follow LOLER, PUWER, ASME B30.20 and H&S advice. You should always check for a downrate, factor in any downrate to then perform a safety lift, then perform a full lift only after a successful safety lift.

Other products available

Ultralift Plus

Ultralift TP

Optimag E

Optimag P