

Ultralift Plus Lifting Magnet

At A Glance

- ✓ 3:1 WLL - supplied with safety shim to pretest lift
- ✓ Lifts up to 1000kg (2200lb) Flat Plate
- ✓ Lifts up to 400kg (880lb) Round Bar
- ✓ On/off lever cannot be released whilst under load

The Ultralift Plus range of manual lifters provides the safest magnetic lifting available. This range of lifters offers an excellent performance to weight ratio. This is achieved using high-energy neodymium magnets, arranged in an efficient magnetic circuit, to give a superb holding force, providing a safe, reliable lift.

Safety shim

The Eclipse Magnetics Ultralift Plus is the only permanently magnetic lifting magnet to be supplied with a 'Safety Shim'. The 'Safety Shim' allows the user to undertake a safety test prior to the lift. This is fast, effective and guarantees a safe lift factor of 3:1.

Safety interlock

Prevents accidentally switching the magnet off: once under load, the interlock mechanism prevents the operating handle being moved to the off position.



Benefits

- Easy to use
- Simple one person operation
- No power required
- Safety interlock prevents turning handle off when holding load
- Includes Safety Shim to pre-test lift to ensure 3:1 safety is met before making full lift
- High performance magnet material providing high performance at a lower weight

Performance

Magnetic Performance From 125kg (276 lb) up to 1000kg (2200lb) 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

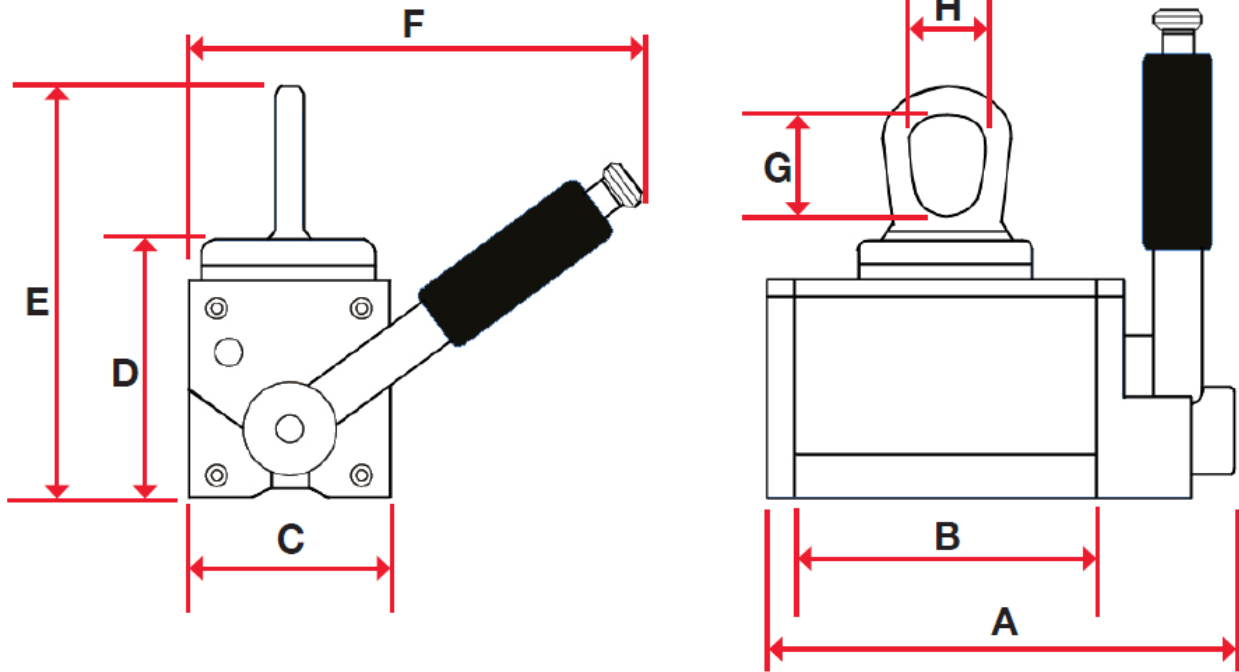
Maintenance

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

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Product Number	Dimensions (mm)								Self Weight (kg)	Flat Plate/Section WLL* (Kg)	Flat Plate/Section Minimum Thickness (mm)	Maximum Material Length (mm)	Round Bar WLL* (Kg)	Round Bar Maximum Diameter (mm)	Units per Pack
	A	B	C	D	E	F	G	H							
UL0125+	155	101	69	74	138	152	34	27	4	125	20	1500	50	200	1
UL0250+	214	155	92	96	192	218	51	40	11	250	25	1500	100	300	1
UL0500+	300	224	122	128	251	266	63	49	27	500	30	2000	200	400	1
UL1000+	359	260	176	174	314	382	71	55	63	1000	45	3000	400	450	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 E



Ultralift TP



Optimag P



Optimag E