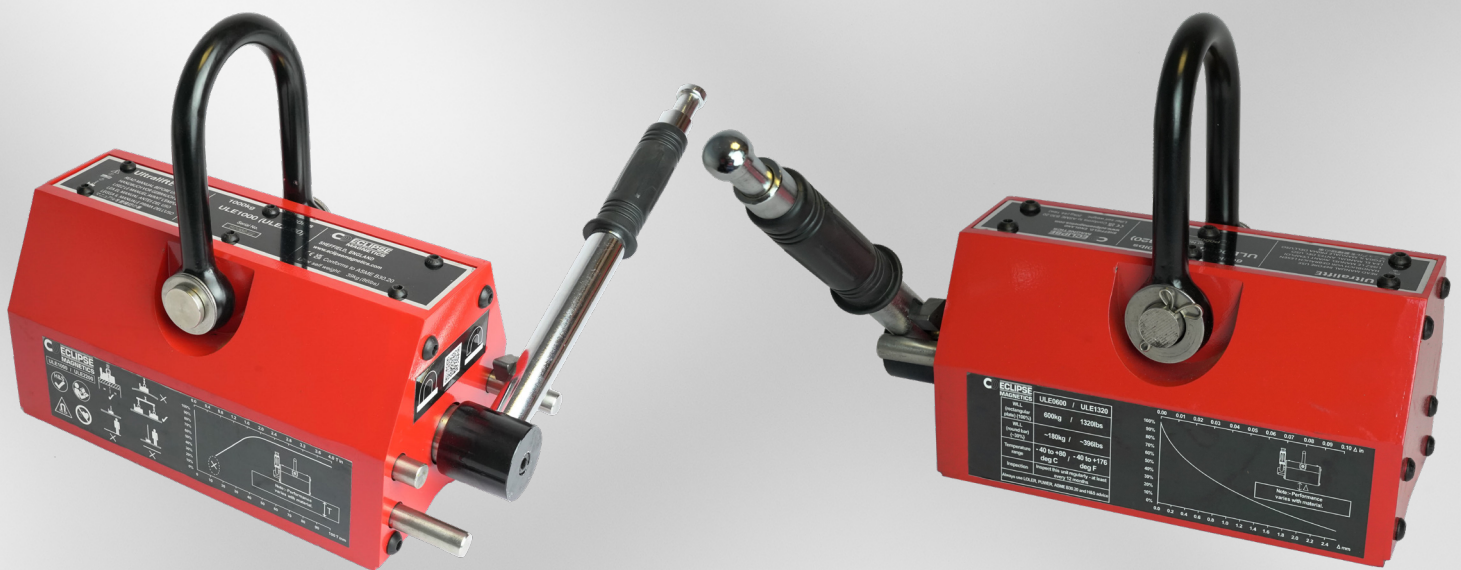


Ultralift E Magnetic Lifter

The New Cost-Effective Choice for High Performance Lifting

Our brand new Ultralift E Magnetic Lifter range utilises the latest in magnetic technology to provide a cost-effective lifting solution. The technology is fail-safe, extremely easy to operate, with no electricity required delivering world class results when handling ferrous loads compared to traditional methods such as slings, chains, hooks and grabs.



Typical Applications

Our Ultralift E Magnetic Lifter range is ideal for applications ranging from light pick and place equipment to heavy steel stock movement.

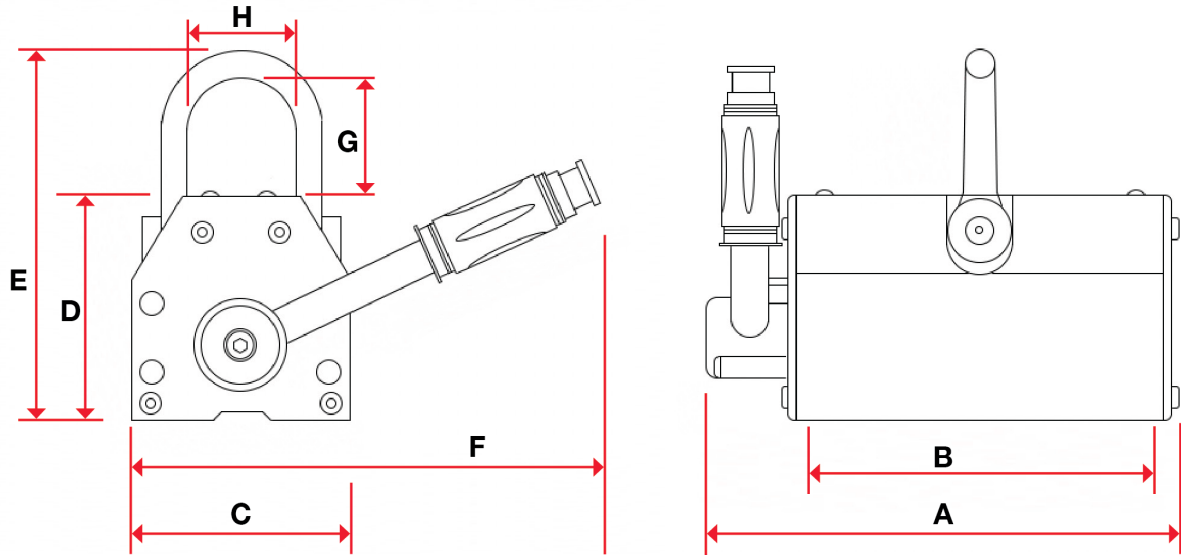
This high performance Magnetic Lifter has been designed with safety uppermost in mind, in addition to utilising permanent magnetic technology to ensure the load cannot be released during lifting. A secondary handle locking device provides further re-assurance that the load cannot be accidentally released when in use.



Benefits

- Simple, safe, single person operation
- Increased lifts per hour – engages with the load instantly
- Optimises storage space - requires only single face access to the load
- Does not damage the load
- The load can be moved with pinpoint accuracy
- Zero running costs – uses permanent magnetic technology
- Ideal for flat surface or round steel section

Technical Applications



Part Number	Dimensions (mm)								Self Weight kg	Flat Section			Round Section		Units Per Pack
	A	B	C	D	E	F	G	H		WLL*	Thickness Min.	Length Max.	WLL*	Diameter Max.	
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

* 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 thick 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. Please note that the diameter of the round bar can affect the amount of lift that can be achieved. 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.

Performance

WLL performance criteria Flat ground mild steel plate of thickness, equal to or greater than the specified minimum thickness.
3:1 safety factor compared to stated WLL

Temperature -10°C (14°F) / 40°C (104°F)

Humidity Tolerance 80%

Materials

Magnet Material Rare earth neodymium iron boron (NdFeB)

End plates Aluminium - painted

Housing Mild steel

Pole feet Mild steel

Conformity

The Supply of Machinery (Safety) Regulations 2008
The Electrical Equipment (Safety) Regulations 2016
The Electromagnetic Compatibility Regulations 2016
LOLER Regulations 1998

Designated standards: EN ISO 12100:2010, EN 13854:2019, EN 13155:2020

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

