

# MAGNETIC LIFTERS

# Ultimate Speed & Efficiency Combined With Total Safety

Eclipse Magnetics' lifters are based on fail-safe magnetic technology. Ideally used for precision lifting and moving heavy steel stock. Magnetic lifting technology delivers world class results when handling ferrous loads compared to traditional methods such as slings, chains, hooks and grabs.

## Benefits of Magnetic Lifters:

### Easy to use

Simple, safe operation, ready to use in seconds



### Increased number of lifts per hour

Simple on-off operation



### Total safety

Incorporates numerous fail-safe mechanisms



### Precision lifting

Magnetic lifting systems provide greater lift control



### Single person or automated use

Complete safety, minimal training, labour efficient



### Zero running costs

Permanent magnetic technology does not require a power source



### Optimize storage space

Floor space optimized as access only required to one lifting face



### No load damage

Protects the product finish, ideal for painted or coated surfaces





## Total Safety - The Safest Way to Lift Ferrous Loads

Operation safety is the foremost consideration in the design of all our magnetic lifters.

Permanent magnetic technology, with built in fail-safe mechanisms and a 3:1 Working Load Limit (WLL), ensures complete safety for all operations.

All our lifters comply with:

- The Supply of Machinery (Safety) Regulations 2008
- The Electrical Equipment (Safety) Regulations 2016
- The Electromagnetic Compatibility Regulations 2016
- Lifting Equipment Regulations 1998 (LOLER)
- Provision and Use of Work Equipment Regulations 1998 (PUWER)
- ASME BS30.20-2010.

# Magnetic Lifters



Our Premier range of magnetic lifters for ultimate lifting performance

- The premier manually switchable magnetic lifter
- Provides fast and efficient lifting
- A range of built in safety features
- Guaranteed 3:1 Working Load Limit (WLL)

## Secondary Safety

**Safety Button** - A safety catch locks the handle in the "on" position. This prevents any accidental release of the load once engaged.

**Handle** - After releasing the safety mechanisms, the magnet can be released easily, by using one hand.

**Space Saving** - Access only required to the load's top face allowing more efficient use of storage and handling areas.

## Primary Safety

**Lifting Eye** – once the lifting eye is under tension with the load, a patented mechanism locks the handle ensuring that the raised load cannot be released either deliberately or accidentally.

**No Running Costs** - No power required.



## Primary Safety

**Safety Shim** – Ultralift Plus is the only lifter to be supplied with a "Safety Shim". This allows pre-testing of the load, irrespective of weight, material type/thickness and surface condition.



# Ultralift<sup>PLUS</sup>

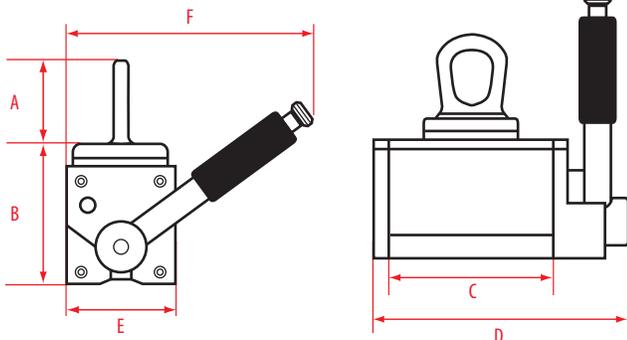
## 3 Patented Safety Features

- Locking switch handle mechanism
- Unique 'Safety Shim' - Pre-test any load to ensure a 3:1 safety factor
- Locking eye mechanism - Magnet cannot be switched off while holding a load



**Magnetic lifters are quicker, easier and safer to use than slings, chains, hooks and grabs, and do not mark the load.**

Onboard switching and permanent magnet technology mean installation and operation could not be easier and running costs are non-existent. Access is only required to the load's top face, allowing for more efficient storage and handling.



## 3:1 Safety Factor

The patented 'safety shim' allows pre-testing of the load to be lifted irrespective of weight, material, thickness and surface condition.

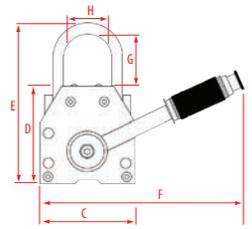


| Product # | Product # UK | Self Weight | Dimensions |     |      |      |     |      | Material Length Max. | Flat Section |                | Round Section |              |
|-----------|--------------|-------------|------------|-----|------|------|-----|------|----------------------|--------------|----------------|---------------|--------------|
|           |              |             | A          | B   | C    | D    | E   | F    |                      | WLL          | Thickness Min. | WLL           | Diameter Max |
|           |              | lbs         | in         | in  | in   | in   | in  | in   | in                   | lbs          | in             | lbs           | in           |
| UL0275+   | UL0125+      | 8.8         | 2.5        | 2.9 | 4.0  | 6.1  | 2.7 | 6.0  | 60                   | 275          | 0.8            | 110           | 8            |
| UL0550+   | UL0250+      | 24.2        | 3.7        | 3.8 | 6.1  | 8.4  | 3.6 | 8.6  | 60                   | 550          | 1.0            | 220           | 12           |
| UL1100+   | UL0500+      | 59.4        | 4.8        | 5.0 | 8.8  | 11.8 | 4.8 | 10.5 | 80                   | 1100         | 1.2            | 440           | 16           |
| UL2200+   | UL1000+      | 138.6       | 5.5        | 6.9 | 10.2 | 14.1 | 6.9 | 15.4 | 120                  | 2200         | 1.8            | 880           | 18           |
| UL4400+   | UL2000+      | 345.4       | 7.7        | 8.9 | 14.5 | 18.8 | 9.2 | 19.4 | 120                  | 4400         | 2.8            | 1760          | 24           |

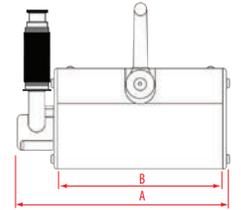
# Ultralift E

## High Performance Lifter

- Lifts up to 4400 lbs (flat) 1980 lbs (round)
- Locking switch handle safety mechanism



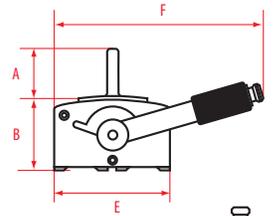
| Product # | Product # UK | Self Weight | Dimensions |      |     |     |      |      |     |     | Material Length Max | Flat Section |                | Round Section |              |
|-----------|--------------|-------------|------------|------|-----|-----|------|------|-----|-----|---------------------|--------------|----------------|---------------|--------------|
|           |              |             | A          | B    | C   | D   | E    | F    | G   | H   |                     | WLL          | Thickness Min. | WLL           | Diameter Max |
|           |              | lbs         | in         | in   | in  | in  | in   | in   | in  | in  | in                  | lbs          | in             | lbs           | in           |
| ULE0220   | ULE0100      | 6.7         | 5.2        | 3.6  | 2.6 | 3.0 | 4.9  | 7.3  | 1.8 | 1.3 | 39                  | 220          | 0.6            | 110           | 3.1          |
| ULE0660   | ULE0300      | 22.1        | 8.0        | 6.2  | 3.7 | 3.7 | 6.7  | 10.0 | 2.5 | 1.8 | 59                  | 660          | 0.8            | 330           | 3.9          |
| ULE1320   | ULE0600      | 50.7        | 11.1       | 9.8  | 4.7 | 4.6 | 8.7  | 11.0 | 3.5 | 2.4 | 79                  | 1320         | 1.2            | 660           | 5.5          |
| ULE2200   | ULE1000      | 86.0        | 13.8       | 12.1 | 5.4 | 5.5 | 10.6 | 12.2 | 4.3 | 3.1 | 98                  | 2200         | 1.6            | 1100          | 7.0          |
| ULE4400   | ULE2000      | 163.1       | 17.4       | 14.9 | 6.4 | 6.7 | 12.2 | 16.1 | 4.7 | 3.6 | 118                 | 4400         | 2.0            | 1980          | 11.8         |



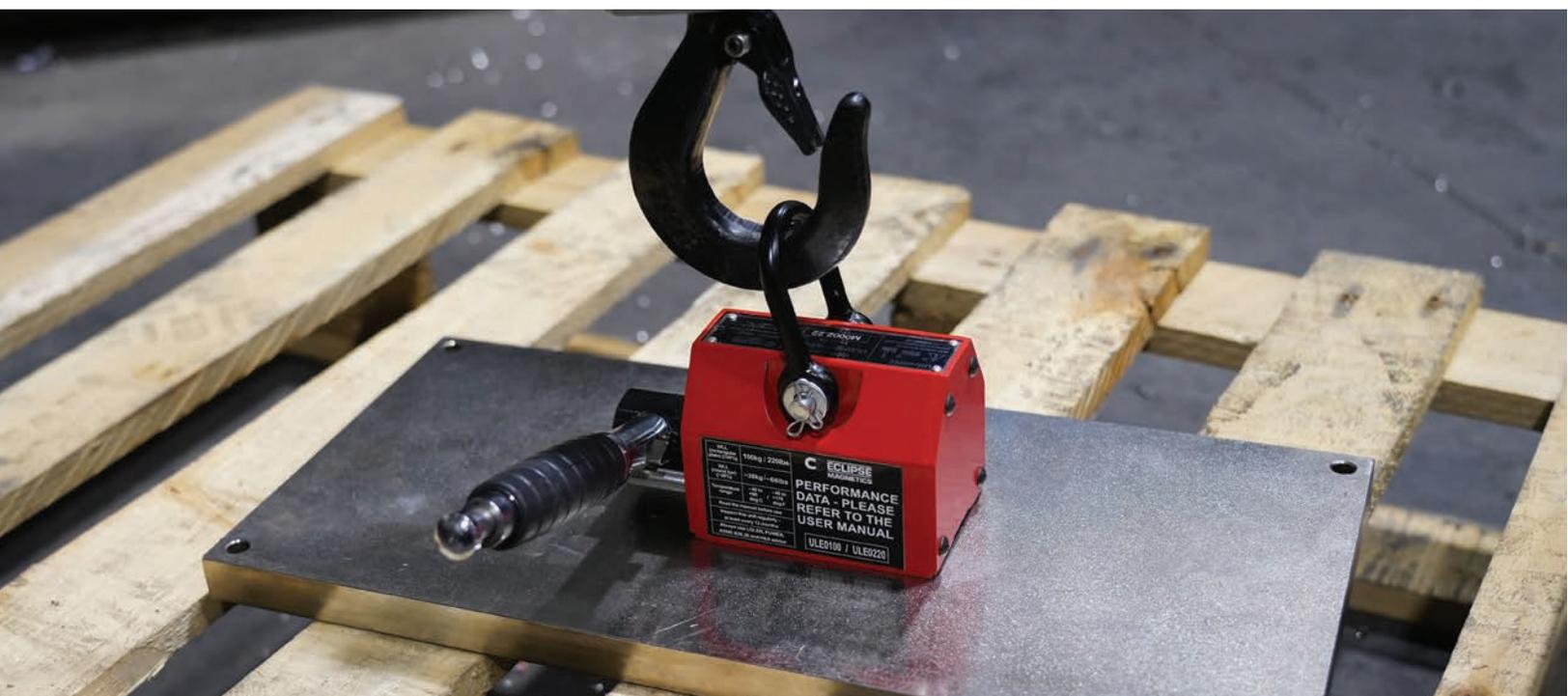
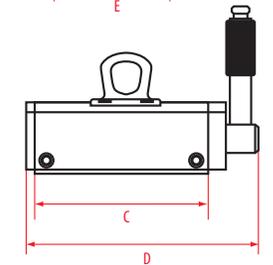
# Ultralift TP

## Thin Plate Lifter

- Lifts up to 880 lbs (flat)
- Specifically designed for the safe lifting of thin plate and pressings
- Can lift single sheets from the tops of stacks
- Locking switch handle safety mechanism



| Product # | Product # UK | Self Weight | Dimensions |    |    |    |    |    |         | Material Thickness |         |     |         |     |         |     |        |
|-----------|--------------|-------------|------------|----|----|----|----|----|---------|--------------------|---------|-----|---------|-----|---------|-----|--------|
|           |              |             | A          | B  | C  | D  | E  | F  | 0.20 in |                    | 0.25 in |     | 0.30 in |     | 0.40 in |     |        |
|           |              | lbs         | in         | in | in | in | in | in | in      | lbs                | Length  | lbs | Length  | lbs | Length  | lbs | Length |
| TP330     | TP150        | 18          | 3          | 3  | 6  | 8  | 4  | 7  | 165     | 60                 | 220     | 60  | 330     | 60  | 440     | 60  |        |
| TP660     | TP300        | 33          | 3          | 3  | 12 | 14 | 4  | 7  | 330     | 80                 | 440     | 80  | 660     | 80  | 880     | 80  |        |



# SERVICE & MAINTENANCE

## Inspection and Certification

All lifting systems should be serviced every 12 months by a competent person. Please refer to manual guidelines for inspection requirements.

| Operation                                   | Frequency |        |         |          |
|---------------------------------------------|-----------|--------|---------|----------|
|                                             | Daily     | Weekly | Monthly | Annually |
| Inspect pole feet for damage                | ✓         |        |         |          |
| Inspect lifting eye for damage and security |           | ✓      |         |          |
| Safety mechanism operation (if applicable)  |           | ✓      |         |          |
| Inspect data plates for damage              |           |        | ✓       |          |
| Proof test WLL / SWL                        |           |        |         | ✓        |



The recommended Annual Lifter Test should include the following:

- ✓ Visual Inspection
- ✓ Estimated & Actual lbs Pull Force Test (WLL / SWL proof test check)
- ✓ Appraisal of Installations & Applications
- ✓ Issue of Test Certification (where applicable)

With an annual service, you can be rest assured that your Magnetic Lifter is in full working order.



In addition to the products in this catalogue, Eclipse Magnetics are innovators in other fields:

### Sub-Micron Magnetic Filtration for Industrial Fluids



### Workholding Systems



### Magnetic Workshop Aids



### Magnetic Materials & Assemblies



### Magnetic Separation



### Heating System Filters



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

