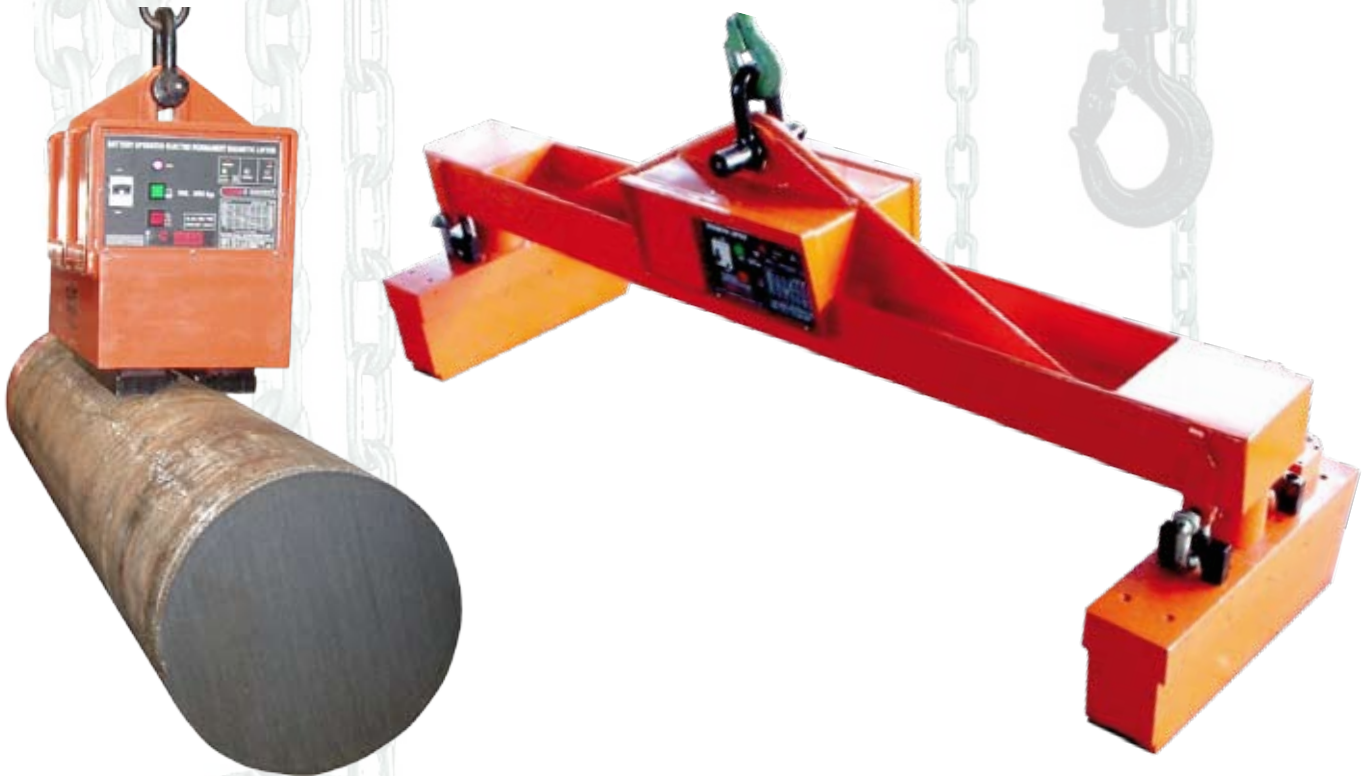


# Permanent Electro Battery Lifting Range

from **Eclipse Magnetics**

The ergonomics of an electro-magnet – the lifting safety of a permanent magnet.



## ROUND BAR LIFTING

## PLATE LIFTING

## BLOCK LIFTING

## LONG BAR LIFTING



## TECHNICAL DATA

| Type      | SWL<br>Flat / Round | Unit Size<br>(mm)      | Material Type | Minimum<br>Material<br>Thickness (mm) | Maximum Part Size<br>(mm) | Battery Type         | On / Off Switches<br>per Charge |
|-----------|---------------------|------------------------|---------------|---------------------------------------|---------------------------|----------------------|---------------------------------|
| EMP150-T  | 1500 / 750          | 162 × 490 × 435 / 710* | Flat          | 15                                    | 2500 × 2500               | 2 × 12 volt DC, 12AH | 300                             |
| EMP300-S  | 3000 / 1500         | 460 × 230 × 600        | Flat / Round  | 20 / 70                               | 3000 × 3000               | 2 × 12 volt DC, 12AH | 250                             |
| EMP500-T  | 5000 / 2300         | 500 × 500 × 600        | Flat          | 30                                    | 3000 × 6000               | 2 × 12 volt DC, 46AH | 150                             |
| EMP500-S  | 5000                | 550 × 550 × 600        | Flat / Round  | 30 / 70                               | 2000 × 3000               | 2 × 12 volt DC, 46AH | 150                             |
| EMP1000-T | 10000               | TBA                    | Flat          | 30                                    | 4000 × 4000               | 4 × 12 volt DC, 46AH | 150                             |

\*magnet packs can rotate 90° to make unit wider



[www.eclipse-magnetics.co.uk](http://www.eclipse-magnetics.co.uk)

## SIMPLE OPERATION

### To switch the magnet ON

Press the green square button "ON" for 2 seconds. This initiates the magnetisation of the unit. The green "On" light should now be on.

### To switch the magnet OFF

Press the red square button "OFF" for 2 seconds.

## AUTOMATIC OPERATION

Press the "AUTO" button once.

Once the round "AUTO" button has been pressed all further "ON" – "OFF" switches are done automatically. If the crane hook is completely lowered and the shackle touches the block the magnet will change its state from magnetised to demagnetised and visa versa as the load on the shackle is released.

(There is a small time delay on these operations to prevent accidental operation.)



SHACKLE

SENSOR

## FAIL SAFE

The Eclipse Magnetics battery lifter is a Permanent Magnet device that requires power only for the switching cycle. No power is drawn during either the ON or OFF operation of the magnet. This vastly improves:

- Battery life
- Useful operational working time
- Reliability

Use is limited to the number of operations not the operational time.

## BUILD

The units are manufactured to meet with the demands of the application, providing a solid robust structure, however all battery elements used are standard 'off the shelf' types that should be available locally to you, should you require a replacement in the future.

## PERFORMANCE

The lifters are available in a full range that will cater from 1.5 tonnes through to 10 tonnes.

### Eclipse Magnetics Limited

Atlas Way  
Atlas North  
Sheffield S4 7QQ  
England

T: +44 (0) 114 225 0538  
F: +44 (0) 114 225 0525  
E: sales@eclipse-magnetics.co.uk



[www.eclipse-magnetics.co.uk](http://www.eclipse-magnetics.co.uk)