

# Ultralift Plus Lifting Magnet

Manually operated lifter with 'Safety Shim'

Datasheet no. 301

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 while providing a safe, reliable lift.

## Safety shim

The Eclipse Magnetics Ultralift Plus is the only permanent magnetic lifting magnet 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.

## Hand brake release

The magnet can easily be released using one hand.

## Suitable for:

- |                            |   |
|----------------------------|---|
| <b>Ferrous sheet/plate</b> | thicknesses greater than 0.8in<br>maximum weight of 4400lbs |
| <b>Ferrous round bar</b>   | up to 24in diameter maximum weight<br>of 1760lbs            |

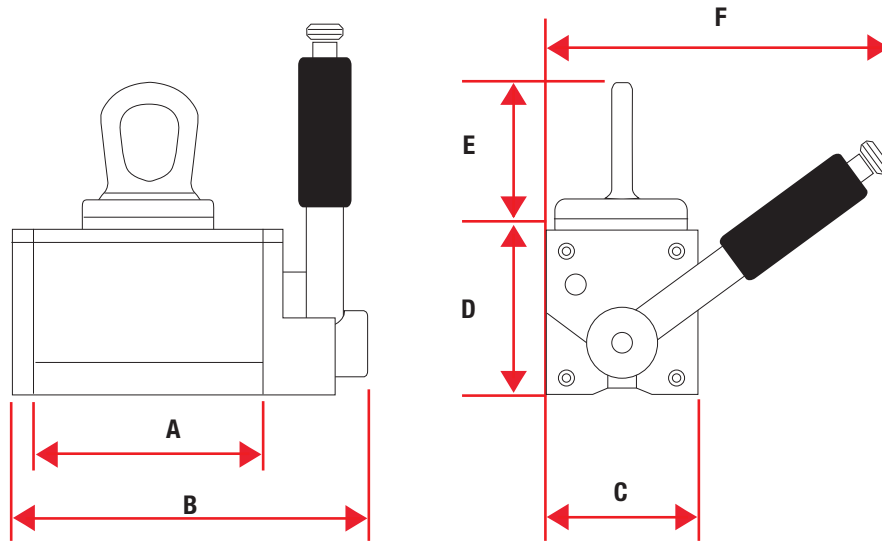
## Suitable locations

Machine shops, fabrication shops, steel stockholders, manufacturers.

## Benefits

- Easy to install
- Simple one man operation
- No power required
- Load surface not marked
- High performance magnet material providing high performance at a lower weight
- Saves space as access is only needed to the top of the load
- 3 safety mechanisms ensure safe lifting





## Product Information

Product	Self Weight (lbs)	Safety Mechanism Activation Load (lbs) (Additional to Lifter Weight)	Dimensions (inches)						Length Max (inches)	Flat Section		Round Section	
			A	B	C	D	E	F		SWL* (lbs)	Thickness Min (inches)	SWL* (lbs)	Diameter Max (inches)
UL0275+	8.8	8.8	4.0	6.1	2.7	2.9	2.5	6.0	60	275	0.8	110	8
UL0550+	24.2	24.2	6.1	8.4	3.6	3.8	3.7	8.6	60	550	1.0	220	12
UL1100+	59.4	Self Weight	8.8	11.8	4.8	5.0	4.8	10.5	80	1100	1.2	440	16
UL2200+	138.6	Self Weight	10.2	14.1	6.9	6.9	5.5	15.4	120	2200	1.8	880	18
UL4400+	345.4	Self Weight	14.5	18.8	9.2	8.9	7.7	19.4	120	4400	2.2	1760	24

\*Safe working load

## Performance

### SWL performance criteria

Flat ground mild steel plate of thickness equal to, or greater than, the specified minimum thickness

### Magnetic material

Rare earth neodymium iron boron

### Temperature

14°F / 176°F

### Maximum humidity

80%

## Materials

### End plates

Aluminium - painted

### Housing

Mild steel

### Pole feet

Mild steel - plated

## Conformity

The Ultralift Plus range conforms to the following:

Machinery Directive 98/37/CE

BS EN ISO12100-1 Basic Engineering Principles

BS EN 13155:2003 Cranes safety: non-fixed load lifting attachments

SS7665601 Swedish standards for magnetic lifting devices

ASME B30.20

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

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