

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

### Hand break release

The magnet can easily be released using one hand.

### Suitable for:

Ferrous sheet/plate	thicknesses greater than 20mm maximum weight of 2000kg
Ferrous round bar	up to 600mm diameter maximum weight of 800kg

### 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



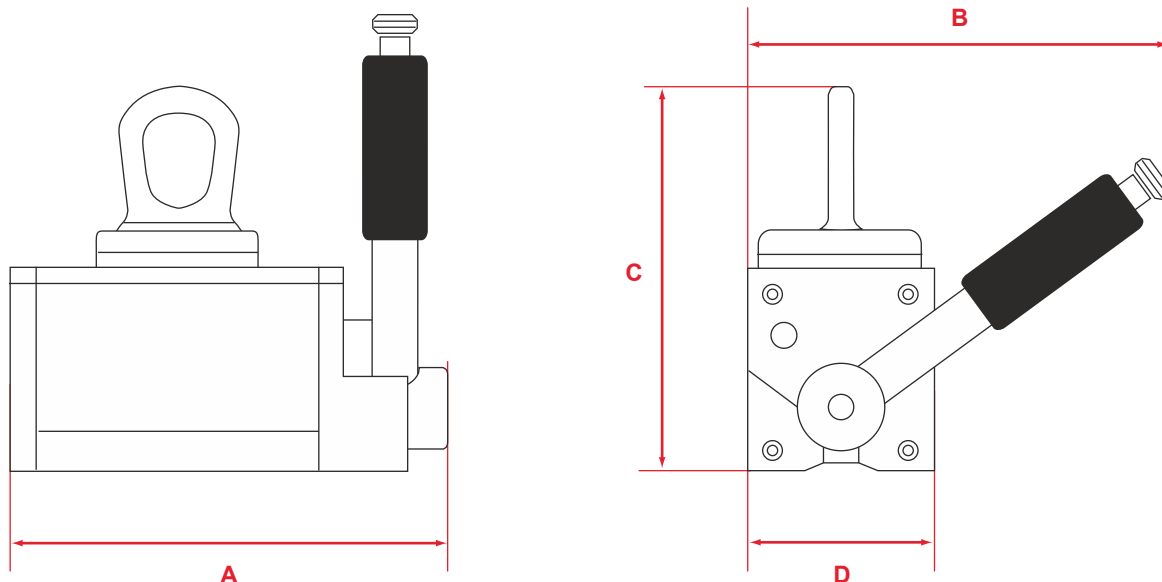
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Part No	Weight	Dimensions				Max Length	Flat Section		Round Section	
		A	B	C	D		SWL *	Min. Thickness	SWL *	Min. Diameter
	kg						kg		kg	
UL0125+	4	155	69	152	138	1500	125	20	50	200
UL0250+	11	214	92	218	190	1500	250	25	100	300
UL0500+	27	300	122	266	251	1500	500	30	200	400
UL1000+	63	359	176	391	323	1500	1000	45	400	450
UL2000+	157	477	233	493	422	2000	2000	70	800	600

\*SWL indicates a 3:1 safety factor

All dimensions in mm

## 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

-10°C (14°F) / +80°C (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

