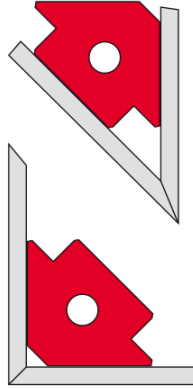




### At A Glance

- Weld at fixed angle positions
- Weld at 45° or 90° angles
- Quick clamping of ferrous parts
- Central hole for easier handling
- Up to 15kg (33lb) Pull Force capability



### Magnetic Welding Aids Range



The Heavy Duty Welding Clamps are great for holding ferrous workpieces at 45 and 90 degree angles for Welding, Brazing and Soldering. To make positioning and separating easier, they have a central hole to allow the user to grab the clamp easily.

The Heavy Duty Welding Clamps exists in two sizes. Both are ideal for use in a range of workshop welding applications.

The smaller Heavy Duty Welding Clamps unit is 120mm long and 82mm high with a 14mm width and has a holding force capability of up to 10kg (22lb) pull force rating. The larger Heavy Duty Welding Clamps unit is 160mm long and 102mm high with a 18mm width and has a holding force capability of up to 15kg (33lb) pull force rating. The actual pull force achieved depends on the ferrous material being held (thickness, material type, etc) - the actual pull force achieved is application specific.

Either version of the Heavy Duty Welding Clamps can hold multiple types of ferrous material for welding purposes, from Round or Square tubing through to Angle and Flat stock. The shape of each unit allows for welding angle connections in 45 degree or 90 degree positions. There is a central hole in each version as well, allowing the user to grab the welding clamp more easily to allow it to be positioned, removed and repositioned quickly and safely.

### Benefits

- Fixed angle welding
- Connect ferrous parts at 45° or 90° angles for welding
- Central hole for quick and easy handling
- Up to 15kg (33lb) holding force

### Materials

Magnetic Material	Proprietary magnet grade material
Other Parts	Various, including Mild Steel

### Performance

Magnetic Performance	Up to 15kg (33lb) pull force - see next page
Magnet Type	Permanent Magnet Assembly
Temperature Range	-40°C to +120°C (-40°F to +248°F)

### Maintenance

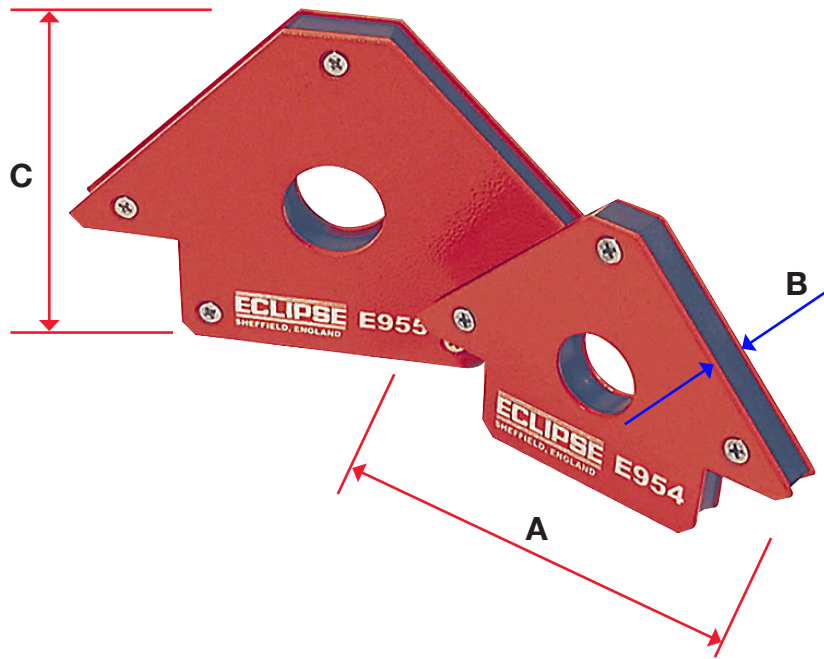
- There is no specific requirement to regularly inspect this item
- Easy cleaning of surfaces can be achieved using a cloth

### Suitability

Suitable Products	Ferrous tube, bar, plate, angle, etc
Suitable Location	Example - workshop, fabrication bay, welding bay, garage

### Alternatives

- Adjustable Clamping Links
- Adjustable Links
- Quick Holding Clamp
- Heavy Duty Variable Welding Clamp
- Positioner
- Quick Holding Clamp Pack Set



Product Number	Dimensions (mm)			Welding Angles	Weight (kg)	Pull Force* (kg)	Units per Pack
	Length A	Width B	Height C				
E954	120	14	82	45°, 90°	0.3	10	1
E955	160	18	102	45°, 90°	0.7	15	1

\* The Pull Force is rated using 10mm thick mild steel plate against the longest side. The actual performance is application specific - thinner material, less magnetic material, air gaps, and elevated temperatures, etc can all reduce the magnetic performance.

For further assistance, please contact [sales@eclipsemagnetics.com](mailto:sales@eclipsemagnetics.com)

Although we have made every attempt to provide accurate information, we do reserve the right to change any of the information in this document without notice.

We cannot accept any responsibility or liability for any errors or problems caused by using any of the information provided.

**Conversions Guide:-**

1kg ≈ 2.204lb ≈ 9.806N

1lb ≈ 0.453kg ≈ 4.448N

1N ≈ 0.101kg ≈ 0.224lb

10mm ≈ 0.393in (≈ 25/64in)

1in ≈ 25.4mm

(the above conversion values are rounded down)



FM 31278 EMS 616377