

# Datasheet

## 90 Degree Fixed Welding Clamp



**ECLIPSE**  
MAGNETICS



**WELDING**

### At A Glance

- ✓ Two Magnetic Clamping Faces
- ✓ Rigid 90° angle positions
- ✓ For jiggling on sheets, pipe, tubes, etc
- ✓ Larger unit with release levers
- ✓ Up to 200kg (440lb) Clamping Force

The 90 Degree Fixed Welding Clamp provides a rigid dependable fixed angle welding and jiggling tool for use on sheets, pipes and tube. The two 90 degree faces are both magnetic with high clamping forces of up to 200kg (440lb).

The largest 90° Fixed Welding Clamp (E973) also has a lever on each side to aid its removal after it has been used.

The 90 Degree Fixed Welding Clamp can be used to hold all types of ferrous material for welding purposes, from Round or Square tubing and pipes through to Angle and Flat stock. The triangular frame design gives the 90 Degree Fixed Welding Clamp great rigidity to allow for a dependable 90° angle every time. Components can be quickly put in position in preparation to make the welding part of your fabrication faster and more cost effective.

Powerful magnets inside each unit gives the 90 Degree Fixed Welding Clamp very high holding force capability with up to 200kg (440lb) pull force rating (depending on product version selected and the ferrous material being held - the actual pull force achieved is application specific).

The largest 90 Degree Fixed Welding Clamp (E973) has a lever on each clamping face - simply pull each lever to prise the magnetic face away from the ferrous part to allow the part to be released from the strong magnetic face .



### Magnetic Switchable Welding Aids Range



### Benefits

- Hold workpieces at rigid 90° angle
- Holds ferrous tube, pipe, plate in place
- Quick positioning
- Release lever on the most powerful version (E973)
- Up to 200kg (440lb) holding force

### Materials

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

### Performance

Magnetic Performance	Up to 200kg (440lb) pull force - see next page
Magnet Type	Permanent Magnet Assembly
Temperature Range	-40°C to +180°C (-40°F to +356°F)

### Maintenance

- There is no specific requirement to regularly inspect this item
- Do not exceed 180°C (356°F) - product will be permanently damaged
- Easy cleaning of surfaces can be achieved using a cloth

### Suitability

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

### Alternatives

- Quick Holding Clamp Switchable
- 90° Fixed Welding Clamps Switchable
- Heavy Duty Welding Clamps
- Quick Holding Clamp
- Inside and Outside Welding Clamps

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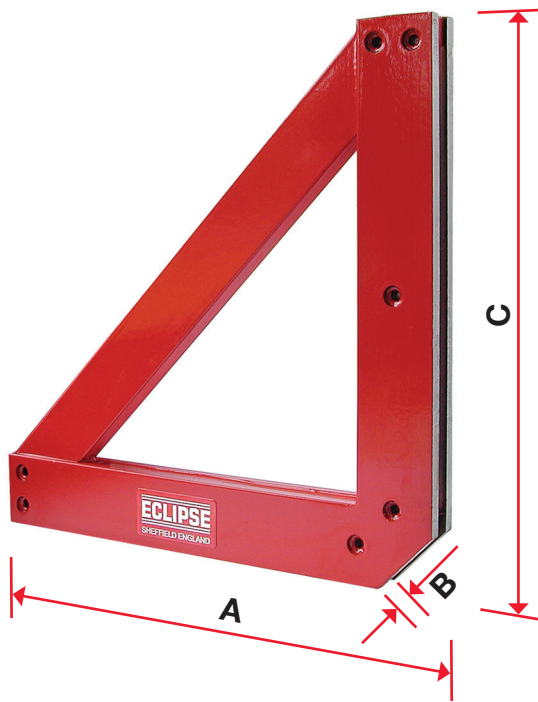
## 90 Degree Fixed Welding Clamp



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# WELDING



Product Number	Dimensions (mm)			Welding Angles	Release Lever	Weight (kg)	Pull Force* (kg)	Units per Pack
	Length A	Width B	Height C					
E971	140	35	140	90°	No	1.4	40	1
E972	225	22	225	90°	No	2.2	75	1
E973	300	35	300	90°	Yes (x2)	4.7	200	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)



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