

## S G Iron

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**S G Iron stockholders and suppliers, delivering to the whole of the UK.** Also known as spheroidal graphite iron or ductile cast iron it is supplied to BS2789 or BS EN1563 designations. As a ductile cast iron its resistance to impact is greater than that of a grey iron combined with the characteristics of better tensile strength, elongation and ductility. S G Iron specifications also offer good wear resistance.

We welcome export enquiries for sg iron bar. Contact our sales office and consult our [shipping policy](#) for further details.

### Related Specifications

BS EN 1563 DIN 1693 EN16482 EN GJS

### Popular Grades We Supply

[400-15](#) | [420-12](#) | [500-7](#) | [600-3](#) | [700-2](#)

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## Form of Supply

West Yorkshire Steel are suppliers of round bar and a limited size range in flat bar. S G Iron is commonly available in 3 metre bar lengths and can be sawn to cut lengths or sawn blanks to your requirements.

- Diameter
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## Applications

S G Iron (spheroidal graphite iron), also known as ductile iron, is used in applications where optimal impact, fatigue, electrical conductivity and magnetic permeability features are required. Typical applications for spheroidal graphite iron and ductile iron grades include moulds, dies, valves and pistons.

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## S G Iron Grades

### [\*\*BS2789 400-15\*\*](#)

A spheroidal graphite iron (SG Iron) commonly supplied as continuously cast iron bar. It has an average tensile of 400N/mm<sup>2</sup> and elongation of 15%.

### [\*\*BS2789 420-12\*\*](#)

A spheroidal graphite iron (SG Iron) commonly supplied as continuously cast iron bar. It has an average tensile of 420N/mm<sup>2</sup> and elongation of 12%.

### [\*\*BS2789 500-7\*\*](#)

A spheroidal graphite iron (SG Iron) commonly supplied as continuously cast iron bar. It has an average tensile of 500N/mm<sup>2</sup> and elongation of 7%.

### [\*\*BS2789 600-3\*\*](#)

A spheroidal graphite iron (SG Iron) commonly supplied as continuously cast iron bar. It has an average tensile of 600N/mm<sup>2</sup> and elongation of 3%.

### [\*\*BS2789 700-2\*\*](#)

A spheroidal graphite iron (SG Iron) commonly supplied as continuously cast iron bar. It has an average tensile of 700N/mm<sup>2</sup> and elongation of 2%.

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## Certification

S G Iron grades and specifications are available with a certificate of conformity, please request when placing any orders.

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## Quality Assured Supply

S G Iron grades are supplied in accordance with our ISO 9001:2015 registration.