

## BS2789 Grade 400-15 SG Iron

**BS2789 Grade 400-15 SG iron stockholders and suppliers, delivering to the whole of the UK.** West Yorkshire Steel are suppliers of continuously cast bar, available in diameters and a limited range of flat sections. Sometimes referenced as a ductile iron BS2789 Grade 400-15 is a spheroidal graphite iron that possesses strength, impact and ductile properties of a different type to that of grey cast iron specifications, though with similar machining characteristics.

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 EN16482 EN GJS 400-15 60-40-10 65-45-12  
FGS420-12 SF400 SFP400 DIN 1693 ISO 185 250

### Alternative Cast Iron Grades

[Spheroidal Graphite Iron](#) | [420-12](#) | [500-7](#) | [600-3](#) | [700-2](#) | [Cast Iron](#) | [200](#) | [220](#) | [250](#) | [260](#) | [300](#) | [350](#) |

## Form of Supply

Supplied as round bar and a limited size range in flat bar. BS2789 Grade 400-15 diameters and flats are available in 3 metre bar lengths and can be sawn to cut lengths to your requirements.

- Diameter

## Applications

BS2789 Grade 400-15 SG iron is suitable for applications where the electrical conductivity, optimal impact, fatigue and magnetic permeability features of a spheroidal graphite iron (SG iron) is required. Typical applications include dies, pistons, valves and moulds.

## Analysis

Carbon	3.40-3.85%	Phosphorous	0.10% max
Manganese	0.10-0.30%	Sulphur	0.02% max
Silicon	2.30-3.10%	Magnesium	0.07% max
		Iron	balance

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## Typical Properties

Typical Tensile Strength N/mm <sup>2</sup>	Typical Elongation %	Typical Hardness HB
400	15	120-180

Mechanical properties shown are typical and may vary subject to the size and section of this sg iron grade.

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## Certification

BS2789 400-15 SG Iron is available with a certificate of conformity, please request when placing any orders.

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## Quality Assured Supply

BS2789 EN1563 SG Iron to grade 400-15 is supplied in accordance with our ISO 9001:2015 registration.