

## BS2789 Grade 500-7 SG Iron

**BS2789 Grade 500-7 S G iron stockholders and suppliers, delivering to the whole of the UK.** West Yorkshire Steel are suppliers of 500-7 SG iron continuous cast bar available in diameters and a limited range of flat sections. Sometimes referenced as a ductile iron BS2789 Grade 500-7 is a spheroidal graphite iron that offers better strength, wear resistance and hardening capabilities to that of [400-15](#) or [420-12](#) S G iron grades.

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 500-7 GGG50  
SFP500 SP500 70-50-05

### Alternative Cast Iron Grades

[Spheroidal Graphite Iron](#) | [400-15](#) | [420-12](#) | [600-3](#) | [700-2](#) | [Cast Iron](#) | [200](#) | [220](#) | [250](#) | [260](#) | [300](#) | [350](#) |

## Form of Supply

West Yorkshire Steel are a supplier and stockholder of SG Iron grade BS2789 500-7 in round bar. This S G Iron grade is available in 3 metre bar lengths or sawn to length to your requirements.

- Diameter

## Applications

BS2789 Grade 500-7 is suited for applications such as gears, pistons, valve bodies, dies and moulds and for applications that require good noise and vibration damping.

## 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

## Typical Properties

Typical Tensile Strength N/mm <sup>2</sup>	Elongation %	Typical Hardness HB
500	7	170-235

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 500-7 S G 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 500-7 is supplied in accordance with our ISO 9001:2015 registration.