

## BS1452 Grade 250 Cast Iron

**BS1452 Grade 250 cast iron stockholders and suppliers, delivering to the whole of the UK.** Cast iron specification BS1452 Grade 250 is supplied as continuous cast grey iron bar in rounds and flats. With its fine grain structure this grade can be machined to achieve a good polished surface finish suitable for copper or chromium plating. As a continuous cast iron bar it has a fine grain structure combined with the fine graphite flake size and dense homogeneous structure. BS1452 Grade 250 supersedes specification BS1452 Grade 17.

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

### Related Specifications

BS EN 1561 EN16482 EN GJL 250 BS1452 Grade 17 ASTM A48-83 35A 35B  
DIN 1691 GG25 ISO 185 250 NFA32-101 Ft25D

### Alternative Cast Iron Grades

[200](#) | [220](#) | [260](#) | [300](#) | [350](#) | [Spheroidal Graphite Iron](#) | [400-15](#) | [420-12](#) | [500-7](#) | [600-3](#) | [700-2](#)

## Form of Supply

West Yorkshire Steel supply round bar and flat bar. Full bar lengths of 3 metres are available or we can offer cut lengths and sawn blanks to your required sizes.

- Flat
- Diameter

## Applications

BS1452 Grade 250 is suited for applications where the cast iron requires good wearing characteristics and when components require a combination of strength and wear resistance superior to those of other softer cast iron grades. Used widely in the plastics and glass industries applications include pistons, moulds, dies, bearings, cams, bushes and gears.

## Analysis

Carbon	2.90-3.65%	Phosphorous	0.30% max
Manganese	0.40-0.70%	Sulphur	0.10% max
Silicon	1.80-2.90%	Iron	balance

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## Typical Properties

Typical Tensile  
range of material  
(subject to section)  
N/mm<sup>2</sup>

Typical Hardness  
HB

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155-195

145-240

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

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## Certification

Cast Iron Grade BS1452 250 is available with a certificate of conformity, please request when placing any orders.

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## Quality Assured Supply

BS1452 Grade 250 Cast Iron is supplied in accordance with our ISO 9001:2015 registration.