

## BS1452 Grade 220 Cast Iron

**BS1452 Grade 220 cast iron stockholders and suppliers, delivering to the whole of the UK.** Cast iron specification BS1452 Grade 220 is available as continuous cast grey iron bar in rounds and flats. With its fine grain structure this cast iron grade can be machined to achieve a good polished surface finish and is suitable for copper or chromium plating. A continuous cast iron bar, it has a fine grain structure combined with the fine graphite flake size and dense homogeneous structure.

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 220 BS1452 ASTM A48-B DIN 1691

### Alternative Cast Iron Grades

[200](#) | [250](#) | [260](#) | [300](#) | [350](#) | [Spheroidal Graphite Iron](#) | [400-15](#) | [420-12](#) | [500-7](#) | [600-3](#) | [700-2](#)

## Form of Supply

West Yorkshire Steel are suppliers of round bar and flat bar. Available as full bar lengths of 3 metres are available or we can offer sawn pieces to your required sizes.

- Flat
- Diameter

## Applications

BS1452 Grade 220 is used for many applications requiring good wearing characteristics and when components require reasonable cast iron strength and wear resistance. This grade is popular in the glass and plastics industries for applications including , moulds, dies, , cams, bushes, bearings 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

## Typical Properties

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

Typical Hardness  
HB

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125-185

120-220

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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 220 is available with a certificate of conformity, please request when placing any orders.

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## Quality Assured Supply

BS1452 Grade 220 Cast Iron is supplied in accordance with our ISO 9001:2015 registration.