

## Case Hardening Steel

Can be treated to achieve a high surface case hardness with a tough core

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**Case hardening steel stockholders and suppliers, delivering to the whole of the UK.** West Yorkshire Steel are suppliers of case hardening steel specifications in round bar, flat bar and cut plate. Carburising steel grades are commonly carbon and alloy steels. These steel grades can be heat treated to achieve a high surface case hardness with a tough core obtainable when using alloy steel types.

If you do not find the case hardening steel specification you require on our web site please contact our experienced sales team who may be able to assist you with your enquiry.

We welcome export enquiries for case hardening steel. Contact our sales office and consult our [shipping policy](#) for further details.

### Popular case hardening grades we supply

[EN32](#) | [EN36](#) | [655M13](#) | [8620](#) | [16MnCr5](#)

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## Form of Supply

West Yorkshire Steel are stockholders and suppliers of case hardening steel specifications in round and flat bar. It can be supplied as full bar lengths or cut pieces. Diameters in case hardening steel grades can be precision ground to tight tolerances.

Though not classed as a case hardening steel EN24T is suitable for carburising and is available in flat bar or band saw cut from block.

Contact our experienced sales team who will assist you with your steel enquiry.

- Flat
  - Diameter
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## Specifications

Below we list our range of case hardening steels. If you do not find the specification you require on our web site please contact our experienced sales team who may be able to assist you with your enquiry.

BS970	BS970	SAE	DIN
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<a href="#">EN32</a>	<a href="#">080A15</a>	<a href="#">8620</a>	<a href="#">16MnCr5</a>
<a href="#">EN34</a>	080M15	8630	20MnCr5
<a href="#">EN36</a>	<a href="#">665M17</a>		18CrNiMo76
<a href="#">EN39</a>	<a href="#">655M13</a>		
<a href="#">EN36C</a>	<a href="#">835M15</a>		
<a href="#">EN32B</a>			
<a href="#">EN36B</a>			
<a href="#">EN39B</a>			

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## Heat Treatment

Carburising, case hardening may be used on suitably graded steel specifications, surfaces must be free from dirt and grease, and of low sulphur content. Case hardening can be carried out in salt baths with selected content depending on the type of salt and the depth of penetration required. Other considerations during the heat treatment process include the type of furnace, quenching medium and work piece transfer facilities. Time, temperatures and salt selection will be advised by your heat treatment provider.

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## Welding

We recommend that you contact your welding consumables supplier who should provide you full assistance and information on welding case hardened steel grades.

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## Certification

Case hardening steel grades are commonly available with a cast and analysis certificate, certificate of conformity or a BS EN 10204 3.1 mill certificate, please request when placing any orders.