

EN3 Steel

EN3 steel stockholders and suppliers, delivering to the whole of the UK. West Yorkshire Steel are suppliers of EN3 round bar and flat bar. EN3 is an unalloyed low carbon mild steel grade supplied as a hot rolled or bright drawn finish bar. As a low carbon steel grade it provides low strength with good machinability and is suitable for welding.

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

Alternative carbon steel grades we supply

[EN8](#) | [EN9](#) | [EN32](#) | [EN43](#) | [070M20](#) | [080M40](#) | [070M55](#) | [080A15](#) | [S275](#) | [S355](#) | [Key Steel](#) | [C45](#)

Form of Supply

West Yorkshire Steel are EN3 stockholders and suppliers of round bar, flat bar and plate. EN3 can be sawn to your required lengths as one offs or multiple cut pieces. Ground steel bar can be supplied, providing precision ground bar to tight tolerances.

Contact our experienced sales team who will assist you with your EN3 carbon steel enquiry.

- Plate
 - Flat
 - Diameter
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Applications

Commonly used for general engineering EN3 is suitable for applications such as bolts, shafts, spacers, hubs, base plates, brackets, fixtures and jigs.

Typical Analysis

Carbon	0.25% max	Phosphorous	0.06% max
Manganese	1.00% max	Sulphur	0.06% max
Silicon	0.05-0.35%		

Annealing

EN3 is commonly supplied bright drawn or as rolled. If annealing is required heat to 880-910°C, furnace cool.

Hardening

As a low carbon steel EN3 is not ideally suited for heat treatment ([EN8](#) or [EN9](#) may be a better suited option). If hardening is required heat to a temperature of 880-910°C. Quench in water and temper.

Heat Treatment

When hardening EN3 heat treatment temperatures, including rate of heating, cooling and soaking times will vary due to factors such as the shape and size of each component. Other considerations during the heat treatment process include the type of furnace, quenching medium and work piece transfer facilities. Please consult your heat treatment provider for full guidance on heat treatment of EN3 carbon steel.

Certification

EN3 steel is commonly available with cast and analysis certificate or a certificate of conformity, please request when placing any orders.

Quality Assured Supply

EN3 is supplied in accordance with our ISO 9001:2015 registration.