

1.1730 Tool Steel

Quality 1.1730 tool steel cut and delivered straight to your tool room, whatever size you need.

1.1730 carbon tool steel stockholders and suppliers, delivering to the whole of the UK.

1.1730 is a medium carbon unalloyed tool steel grade offering reasonable tensile strength. This grade can be hardened and tempered to produce a good surface hardness with moderate wear resistance. 1.1730 is widely used for components that require good machinability and wear resistant properties but does not justify the costs of an alloyed tool steel. Available from stock in round bar and cut plate.

We welcome export enquiries for tool steel. Please contact our sales office and consult our shipping policy for further details.

Popular [tool steel](#) grades we supply

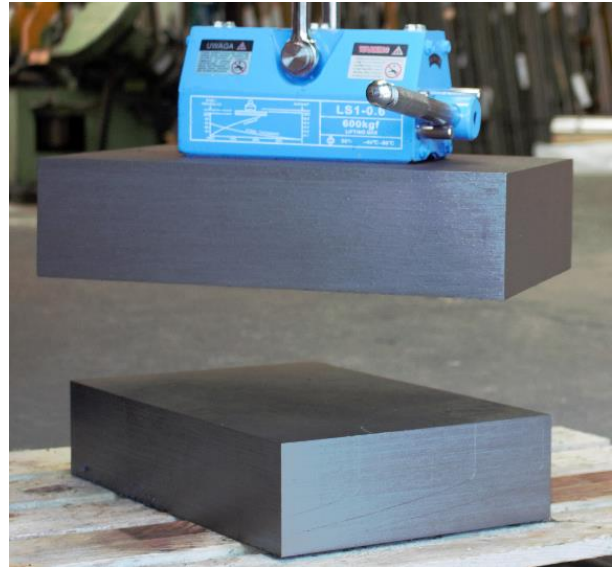
[O1](#) | [D2](#) | [D3](#) | [O2](#) | [D6](#) | [A2](#) | [S1](#) | [H13](#) | [P20](#) | [P20S](#) | [420](#) | [1.2083](#) | [2767](#) | [M2](#) | [M42](#) | [Ground Flat Stock 1.1730](#)

Form of Supply

West Yorkshire Steel are steel stockholders and suppliers of 1.1730 steel round, square and flat. The steel can be sawn to your required length in 1 off or multiple cut pieces. Ground 1.1730 steel bar can be supplied, providing a precision ground steel bar to tight tolerances.

Applications

1.1730 is suitable for many general engineering applications, such as bolsters, bending dies, guide plates, jigs and fixtures.



Ground tool steel bar can be supplied, providing a quality precision finish bar to close tolerances.

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

- Sheet
- Flat
- Plate
- Diameter

Typical Analysis

Carbon	0.45%	Silicon	0.25%
Manganese	0.60%	Sulphur	0.03% max
Phosphorous	0.03% max		

Ground Flat Stock

Precision ground flat stock / gauge plate can be supplied in 500mm / 1000mm lengths. Non-standard sizes can be produced in approximately 2 to 3 weeks.

Forging

Preheat carefully, then raise the steel to a temperature of 1100°C for forging. Do not forge below 850°C. After forging cool slowly, preferably in a furnace.

Annealing

Heat slowly to 680-710°C, soak well. Cool slowly in the furnace.

Stress Relieving

When tools made from D2 tool steel are heavily machined, ground or otherwise subjected to cold work, the relief of internal strains is advisable before hardening to minimise the possibility of distortion. Stress relieving should be done after rough machining. To stress relieve, heat the component to 600-650°C. Soak well and cool in the furnace or in air. The tools may then be finish machined before hardening.

Hardening

Heat the component slowly to 820-870°C and allow it to be heated through. Quench in oil or water.

Tempering

Temper immediately after quenching whilst tools are still hand warm. Re-heat to the tempering temperature then soak for one hour per 25 millimetre of total thickness (2 hours minimum) Cool in air.

Welding

We recommend you contact your welding consumables supplier who should provide you full assistance and information on welding 1.1730 steel

Heat Treatment

Heat treatment temperatures, including rate of heating, cooling and soaking times will vary due to factors such as the shape and size of each 1.1730 steel component. Other considerations during heat treatment include the type of furnace, the quenching medium and work piece transfer facilities. Please consult your heat treatment provider for full guidance on heat treatment of 1.1730 steel.

Certification

1.1730 steel is available with a cast and analysis certificate, please request when placing any orders.

Quality Assured Supply

1.1730 tool steel is supplied in accordance with our ISO 9001:2015 registration.