

BS4659 BP30 Tool Steel

BS4659 BP30 steel stockholders and suppliers, delivering to the whole of the UK. BP30 is available in round bar and cut plate. A popular plastic mould steel suitable for heat treatment to provide excellent mechanical properties.

We welcome export enquiries for BS 4659 BP30 tool steel. Contact our sales office and consult our [shipping policy](#) for further details.

Related Specifications

ASTM A681 DIN 17350 BS EN ISO 4957

Alternative BS4659 tool steel grades we supply

[BO1](#) | [BD2](#) | [BD3](#) | [BQ2](#) | [BA2](#) | [BS1](#) | [BH13](#) | [BP20](#) | [BM2](#) | [BM35](#) | [BM42](#)

Form of Supply

BP30 is supplied as round bar or cut plate which can be sawn as one offs or multiple cut pieces to your requirements. Ground BP30 tool steel bar can be supplied, providing a high quality steel precision ground bar to tight tolerances.

- Plate
- Flat
- Diameter

Forging

Forge at a temperature of 1000-1100°C. After forging, cool slowly.

Typical Analysis

Carbon	0.26-0.34%	Nickel	3.90-4.30%
Silicon	0.10-0.40%	Chromium	1.10-1.40%
Manganese	0.45-0.70%	Molybdenum	0.20-0.35%

Annealing

Heat carefully to 630-650°C and soak for a minimum of 2 hours. Cool in the furnace or in air.

Stress Relieving

If machining operations have been severe stress relieving before finish machining and hardening is recommended. Heat carefully to 630-650°C then cool in the furnace or still air.

Hardening

Heat the BP30 uniformly to 810-830°C, soak thoroughly then cool in air or quench in oil. Temper as soon as tools are hand-warm.

Tempering

Heat to the relevant tempering temperature between 150-450°C, though tempering between 275-450°C is not advised as tempering within this range will reduce the impact value. Soak for at least 2 hours per 25mm of ruling section. Withdraw from the furnace and cool in still air.

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 steel 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 this BP30 tool steel.

Quality Assured Supply

BS4659 BP30 is supplied in accordance with our ISO 9001:2015 registration.