Contact: **01937 584440**
sales@westyorkssteel.com

EN26W Alloy Steel

EN26 EN26W steel stockholders and suppliers, delivering to the whole of the UK. EN26 is a 2.5% nickel chromium molybdenum high tensile grade, usually supplied hardened and tempered to W condition. EN26W has a tensile of 1075/1225 N/mm². It is suitable for applications which require higher tensile and yield strength than EN24 or EN25 specifications. EN26W round bar is available from stock. When required it can be induction or flame hardened and is also suitable for nitriding.

We welcome export enquiries for alloy steel. Contact our sales office and consult our shipping policy for further details.

Alternative grades we supply

EN16T | EN19T | EN24T | EN30B | EN31 | EN32 | EN36 | EN40B | EN41B |

Form of Supply

West Yorkshire Steel are stockholders and suppliers of EN26W round bar. Diameters can be sawn to your required length as one offs or multiple cut pieces. Ground alloy steel bar can be supplied, providing a high tensile engineering steel precision ground bar to tight tolerances.

Contact our experienced sales team who will assist you with your EN26W alloy steel enquiry.

- Diameter

Applications

EN26W is a commonly used engineering steel for applications that require a higher tensile than EN24T. Typical applications include gears, shafts, spindles, pins, rams, turbine discs and torsion bars.

Analysis

Carbon	0.36-0.44%	Silicon	0.10-0.35%
Nickel	2.30-2.80%	Manganese	0.50-0.70%
Chromium	0.50-0.80%	Phosphorous	0.050% max
Molybdenum	0.40-0.70%	Sulphur	0.050% max

Forging

Pre heat carefully, then raise the temperature to 1150-1200°C and hold at temperature until thoroughly soaked and suitable to forge. Do not forge below 850°C. After forging the steel should be cooled slowly.

Annealing

Heat slowly to 790-840°C. Hold until the temperature is uniform throughout the steel. Cool in a furnace.

Hardening

EN26W is supplied ready heat treated. If further heat treatment is required annealed EN26 should be heated to 820-850°C and hold until the temperature is uniform through the section. Quench the EN26 steel in oil, water or polymer as required.

Flame & Induction Hardening

EN26 can be flame or induction hardened to obtain a good surface hardness.

Tempering

Heat the component to the required tempering temperature (450-660°C) and thoroughly soak for one hour per 25mm thickness of section, cool in still air.

Typical Mechanical Properties*

Condition	Tensile N/mm²	Yield N/mm²	Elongation %	Izod KCV J	Hardness Brinell
Condition	Tensile N/mm²	Yield N/mm²	Elongation %	Izod KCV J	Hardness Brinell
U	925-1075	755	12	42	269-331
V	1000-1150	850	12	42	293-352
W	1075-1225	940	11	35	311-375
X	1150-1300	1020	10	28	341-401
Y	1225-1375	1095	10	21	363-429
Z	1550	1235	5	9	444

(*subject to ruling section)

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 alloy 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 alloy steel.

Certification

EN26W alloy steel is available with a cast and analysis certificate or a BS EN 10204 3.1 mill certificate, please request when placing any orders.

Quality Assured Supply

EN26W is supplied in accordance with our ISO 9001:2015 registration.