

Martensitic Stainless Steel

Martensitic stainless steels are magnetic and suitable for many applications

Martensitic stainless steel stockholders and suppliers, delivering to the whole of the UK. West Yorkshire Steel are suppliers of a range of sizes and grades in martensitic stainless round bar. Plate, sheet and flat section is available in martensitic grade 420 stainless.

Martensitic grades of stainless steel are supplied in a comprehensive range of sizes and specifications conforming to British, European, American and International standards. Martensitic stainless steel specifications combine high strength with corrosion resistance, though they are less ductile than other stainless steels types. Grades can offer high tensile and yield strengths with the maximum strength and hardness depending upon the carbon content and the heat treatment applied. The effect of heat treatment is similar to plain carbon or low alloy steels except that with the high alloy content martensitic stainless steel grades can be very sensitive to heat treatment variables. Martensitic stainless steels are magnetic and suitable for many applications requiring strength or hardness with corrosion resistance.

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

Popular martensitic steel grades we supply

[440B](#) | [440C](#) | [420](#) | [410](#) | [416](#) | [431](#)

Form of Supply

West Yorkshire Steel are stockholders and suppliers of martensitic stainless steel grades and specifications in round bar. Also available is martensitic stainless steel plate and sheet to specifications 1.4034 & 1.2083, which are higher carbon stainless 420 grades.

- Sheet
 - Plate
 - Diameter
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Specifications

Below we list our popular martensitic stainless steel grades. If you are unable to find the specification you require please contact our experienced sales team who may be able to assist you.

BS970	AISI	Werkstoff	DIN	UNS
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416S21	440B	1.4112	X12CrS13	S41000
410S21	440C	1.4125	X12Cr13	S42000
420S29	420	1.4057	X20Cr13	S43100
420S37	410	1.4005	X30Cr13	S44003
420S45	416	1.4006	X17CrNi16-2	S44004
431S29	431	1.4021	X90CrMoV18	
EN56AM		1.4028	X105CrMo17	
EN56A				
EN56C				
EN56D				
EN57				

Heat Treatment

Martensitic stainless steel grades are suitable for heat treatment. Consideration should be given to temperatures, including rate of heating, cooling and soaking times etc. which will vary due to factors such as the shape and size of each martensitic stainless 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 martensitic stainless steel specifications.

Certification

Martensitic stainless steel grades are available with BS EN 10204 3.1 mill certificate, please request when placing any orders.

Quality Assured Supply

All our martensitic stainless steel grades are supplied in accordance with our ISO 9001:2015 registration.