

## Precipitation Hardening Stainless Steel

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### **Precipitation hardening stainless steel stockholders and suppliers, delivering to the whole of the UK.**

West Yorkshire Steel are suppliers of [17/4PH](#) grade in round and flat bar, and [FV520B](#) in round bar. These chromium nickel steel grades offer characteristics of both austenitic and martensitic stainless steels. Precipitation hardening steels offer good corrosion resistance whilst also suitable for heat treatment to achieve high strengths. Low temperature heat treatment of precipitation hardening stainless grades gives no distortion and minimum discolouration.

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

### **Popular precipitation hardening grades we supply**

[17/4PH](#) | [FV520B](#)

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### Form of Supply

Precipitation hardening grade 17/4PH is supplied in flat bar and round bar and is commonly stocked in Condition A. Stocks of 17/4PH H1150+H1150 are available in round bar. FV520B is supplied in diameters in the primary hardened and double overaged conditions. Full bar lengths or sawn cut blanks can be cut as one offs or multiple cut pieces. Precipitation hardening stainless steel bar can be supplied precision ground to your tight tolerances.

- Flat
  - Diameter
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### Specifications

Below we list our popular precipitation hardening 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.

ASTM	Werkstoff	DIN	Firth Vickers
A564 Grade 630	1.4542	X5CrNiMoCuNb145PH	<a href="#">FV520B</a>
<a href="#">17/4PH Cond A</a>	1.4594		
<a href="#">H1150+H1150</a>			

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## Heat Treatment

When heat treating precipitation hardening stainless steel careful consideration should be given to heat treatment temperatures, including rate of heating, cooling and soaking times etc. as these may 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 precipitation hardening stainless steels.

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## Welding

We recommend you contact your welding consumables supplier who should provide you full assistance and information on welding precipitation hardening stainless steels.

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## Certification

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

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## Quality Assured Supply

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