

CS100 Spring Steel

CS100 spring steel stockholders and suppliers, delivering to the whole of the UK. This grade is a carbon spring steel with an average content of 0.95% carbon. West Yorkshire Steel are CS100 hardened and tempered spring steel suppliers and stockholders of strip, conforming to designations BS1449 and BS5770. CS100 strip is supplied in coil and can be cut and slit to your requirements. It is standard for CS100 strip to be supplied with a polished surface finish; this is achieved by a fine grinding, abrasive brushing or other similar process. With this polished finish CS100 strip is supplied with dressed edges or sheared to your required width. For spring applications it is recommended that CS100 is used in the hardened and tempered condition.

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

Related Specifications

C100 C100S CK101 C100S 1.1274 BSEN10132-4 DIN17222 DIN17222

Alternative spring steel grades we supply

[CS70](#) | [CS80](#) | [CS95](#) | [EN42](#) | [EN43](#) | [EN45](#) | [EN47](#) | [735A50](#) | [6150](#) | [301](#)

Form of Supply

West Yorkshire Steel supply CS100 hardened and tempered spring steel strip in coil, which can be slit and cut to length or sheared as individual pieces to your exact sizes. Annealed CS100 spring steel is available in strip.

- Strip

Applications

Used widely for a variety of applications including wood cutting saws, masonry tools, clutches, agricultural tools, knives, doctor blades, saw blades, shims, washers and flat springs.

Analysis

Carbon	0.95-1.05%	Phosphorous	0.04% max
Manganese	0.30-0.60%	Sulphur	0.04% max
Silicon	0.05-0.35%		

Heat Treatment

When hardening CS100 heat treatment temperatures, including rate of heating, soaking and cooling times etc. will 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 spring steels.

Welding

We recommend you contact your welding consumables supplier who should provide you full assistance and information on welding spring steel grade CS100.

Certification

Spring steel grade CS100 is available with cast and analysis certification, please request when placing any orders.

Quality Assured Supply

CS100 spring steel is supplied in accordance with our ISO 9001:2015 registration.