

## CS70 Spring Steel

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**CS70 spring steel stockholders and suppliers, delivering to the whole of the UK.** This grade is a carbon spring steel with an average carbon content of 0.70%. West Yorkshire Steel are stockholders and suppliers of hardened and tempered spring steel strip, sheet and plate supplied to specification and conforming to BS1449 and BS5770 designations. The strip is supplied in coil and can be cut to your requirements. It is common for CS70 strip to be supplied with a polished finish; this is achieved by fine grinding, abrasive brushing or other processes. With this polished finish the strip can be supplied with dressed edges or sheared edges slit to your required width. For spring applications it is recommended that CS70 hardened and tempered condition be used. CS70 annealed is available as plate, sheet and strip.

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

### Related Specifications

BS1449 BS5770 1.0603 1.1231 BSEN10132-1 BSEN10132-2 BSEN10132-3 Penton XC65  
C67 Ck67 AISI 1070 AISI 1074 AISI 1078 SAE 1070 SAE 1074 SAE 1078 DIN17222

### Alternative spring steel grades we supply

[CS80](#) | [CS95](#) | [CS100](#) | [EN42](#) | [EN43](#) | [EN45](#) | [EN47](#) | [735A50](#) | [6150](#) | [301](#)

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## Form of Supply

West Yorkshire Steel are suppliers of CS70 hardened & tempered spring steel strip. Annealed CS70 spring steel is supplied in plate, sheet and strip. Hardened and tempered CS70 is supplied in coil, which can be slit and cut to length or sheared as individual pieces to your exact sizes.

- Sheet
  - Plate
  - Strip
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## Applications

CS70 is commonly used for a wide variety of spring applications including clutches, knives, doctor blades, saw blades, masonry tools, agricultural tools, wood cutting saws, shims, knives, blades, flat springs, shims and washers.

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## Analysis

Carbon	0.65-0.75%	Phosphorous	0.045% max
Manganese	0.50-0.90%	Sulphur	0.045% max
Silicon	0.05-0.35%		

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## Heat Treatment

For any heat treatment of CS70 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 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.

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## Welding

We recommend you contact your welding consumables supplier who should provide you full assistance and information on welding CS70 steel.

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## Certification

Spring steel CS70 grade is available with cast and analysis certification, please request when placing any orders.

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## Quality Assured Supply

CS70 spring steel is supplied in accordance with our ISO 9001:2015 registration.