



Automotive springs  
demand reliable and  
robust performance to  
prevent failure in use.

British Steel's spring grade steel undergoes rigorous testing to meet our customers' stringent and safety-critical requirements.

#### Dedicated products for the automotive industry

British Steel is dedicated to the automotive industry, our in-depth experience and expertise in the automotive industry enables us to overcome these application challenges and manufacture premium grade steel.

#### Rigorous testing for quality assurance

The quality of our products is assured by our comprehensive testing procedures conducted in well-equipped laboratories to verify stringent criteria such as segregation, steel cleanliness, scale, surface quality, decarburisation, chemical composition, size, shape and tensile strength properties. Our products meet the required standards for the most arduous and safety-critical applications.

British Steel is accredited to both ISO 9001:2015 for our quality management system and ISO 14001:2004 for our environmental management system.

#### Delivering quality

Despatch of wire rod coils through our purpose-built wire rod service centre or Automated Coil Warehouse allows British Steel to offer an efficient delivery service. These streamlined despatch facilities are equipped with bespoke handling equipment which, combined with minimal handling and an anti-abrasive flooring system, minimises storage and handling damage.

#### Technical support from our specialists

Our team of experienced metallurgists provides dedicated technical support to our customers, including selection of the most appropriate steel grade and size, detailed metallurgical analysis to solve specific processing problems, and the development of new and more advanced grades of steel for increasingly demanding applications.

#### Wire rod dimensions

<b>Rod diameter</b>	5.5 - 16.0mm in 0.5mm increments
<b>Coil weight</b>	1800 - 2200kg
<b>Coil length</b>	1350 - 1700mm
<b>Coil dimensions</b>	Outside diameter: 1250mm max Inside diameter: 850mm min

## Automotive spring steel

The table below indicates the typical chemical analysis levels for British Steel's automotive spring steel grades:

### Steel grade

	Grade	C	Si	Mn	P	S	Cr	V
EN10089	54SiCr6	0.52 – 0.56	1.40 – 1.50	0.60 – 0.70	< 0.015	< 0.010	0.60 – 0.70	-
	54SiCrV6	0.53 – 0.57	1.35 – 1.45	0.60 – 0.70	< 0.015	< 0.010	0.52 – 0.62	0.10/0.15

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