

BS Steel

BS steel stockholders and suppliers, delivering to the whole of the U.K. British Standard (BS) steel specifications, grades and designations are produced by the BSI (British Standards Institute) Group. In 1901 the Engineering Standards Committee was set up and its brief at that time was to standardise the number and types of steel manufactured in the UK. The Engineering Standards Committee later became known as BSI Group and under a Royal Charter sets up standards for numerous goods and services.

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

BS steel standards cover a multitude of specifications. The most common BS steel standards are listed below, but if you do not find the grade you require please contact our experienced sales team who may be able to assist you.

Tool Steel

British Standard [tool steel](#) specifications were introduced in 1924 in the guise of 224 'Steel for Die Blocks for Drop Forging' by the British Standards Institution. 224 was revised in 1938 but at that time only covered 5 specifications. In the early 1900s many tool steel grades were being developed and introduced by the large number of special steel producers based mainly in Sheffield but also in other parts of the U.K. These independent producers of tool steel gave the grades [tool steel brand names](#) which were commonly unique to each manufacturer.

In the late 1960s the British Standards Institute was instructed by the Iron & Steel Industry Standards Committee to prepare and introduce national standards for the most commonly produced and used tool steel specifications, aided with the co-operation of many UK tool steel manufacturers. The BSI adopted the tool steel numbering system introduced by the American Iron & Steel Institute (AISI) but preceded each specification with the letter 'B'. Thus O1 tool steel became known and produced in the UK as BO1. A comprehensive range of tool steels were first published in 1971 under the [British Standard BS4659](#).

In 2000 a new series of tool steel specifications were introduced as BS EN ISO 4957.

Below we list our range of British Standard tool steel and high speed steel grades.

BS4659	BS EN ISO 4957
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BO1	45NiCrMo16, 1.2767
BO2	55NiCrMoV7, 1.2714
BD2	90MnCrV8, 1.2842
BD3	C45U, 1.1730
BA2	60WCrV8, 1.2550
BS1	HS2-9-1-8, 1.3247
BH13	HS6-5-2C, 1.3343
BP20	X100CrMoV5, 1.2363
BM2	X153CrMoV12, 1.2379
BM42	X210Cr12, 1.2080
	X210CrW12, 1.2436
	X40Cr14, 1.2083
BS1407	X40CrMoV5-1, 1.2344

Stainless Steel

British Standard [stainless steel](#) specifications were first introduced in 1941 in the War Emergency British Standard Schedule BS970. At this time only 3 stainless steel specifications were published; EN56, EN57 and EN58. Later editions of BS970 from 1955 onwards introduced more stainless steel grades to the standard.

In 1995 a new series of stainless steel specifications were introduced as BS EN 10088, with subsequent revisions as BS EN 10088-2 and BS EN 10088-3.

Below we list our range of British Standard stainless steel grades.

BS970	BS EN 10088-2 & 3
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304S11	X8CrNiS18-9
321S31	X8CrNiS18-9
310S31	X2CrNi 19-11
316S11	X5CrNi 18-10
303S31	X5CrNi18-10
410S21	X2CrNiMo17-13-2
416S21	X5CrNiMo 17-12-2
420S37	X6CrNiMoTi 17-12-2
420S45	X6CrNiTi 18-10
431S29	X12Cr13
	X12CrS13
	X20Cr13
	X30Cr13
	X42Cr13
	X17CrNi16-2

Alloy Steel

[Alloy steel](#) specifications were first published as British Standards in June 1924. The grades introduced were the British Standard Schedule of Wrought Steels for Automobiles to BS 5005. Later, under the guidance of the Technical Advisory Committee of the Special & Alloy Steels Committee, a more comprehensive range of grades were introduced and published as TAC numbers which later became known (as the more commonly referenced) EN steel range of alloy grades. Revised in the 1970s the BS970 alloy steel specifications adopted a six character structure – three numerical digits followed by a letter and two further digits.

In 1991 a new series of alloy steel specifications were introduced as BS EN 10083.

Below we list our range of British Standard alloy steel grades.

BS970	BS EN 10088-2 & 3
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708M40	34CrNiMo6, 1.6582
709M40	36NiCrMo16, 1.6773
605M36	42CrMo4 , 1.7225
722M24	
905M39	
817M40	
826M40	
835M30	

Carbon Steel

British Standard [carbon steel](#) specifications were introduced in June 1924 as BS5005 grades. In 1941 the War Emergency British Standard Schedule BS970 was published including a range of carbon steel grades. In later years, after the introduction of Euronorm carbon steel grades, a range of BS EN designations and specifications were published.

Below we list our range of British Standard carbon steel grades.

BS 970	BS EN 10083 BS EN 10025 BS EN 10028 BS EN 10083 BS EN 10088 BS EN 10277 BS 4360 BS 1501
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080M40	S275
080M46	S275JR
080M50	S355
080A42	S355J2+N
070M55	SPH 265
070M20	P265 GH
080M15	P355 NL1
080A15	43A
	50B
	50D

Spring Steel

British Standard [spring steel](#) specifications have differing designations dependent on the form of supply - bar plate or sheet.

Below we list our range of British Standard spring steel grades.

BS 970	BS1449 BS5770 BS EN 10132
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080M50	CS70
250A53	CS80
250A57	CS95
735A50	CS100

Cast Iron

British Standard [cast iron](#) specifications were first designated as BS1452 for grey iron specifications and BS2789 for spheroidal graphite specifications. In later years BS EN 1563 was introduced.

Below we list our range of British Standard carbon steel grades.

BS1452	BS2789	BS EN 1563
Grade 250	420-12	GJS 420-12
Grade 260	400-15	GJS 400-15
Grade 17	500-7	GJS 500-7
Grade 220	600-3	GJS 600-3
	700-2	GJS 700-2

Non Ferrous (Aluminium, Brass, Copper, Phosphor Bronze)

BS1474

BS1470

BS EN 485

BS EN 573

BS2874

BS EN 12167

BS EN 12163

BS EN 12164

Certification

All our British Standard BS steel specifications and grades are available with a cast and analysis certificate, BS EN 10204 3.1 mill certificate or a certificate of conformity. Please request when placing any orders.

Quality Assured Supply

All our British Standard BS steel grades are supplied in accordance with our ISO 9001:2015 registration.