



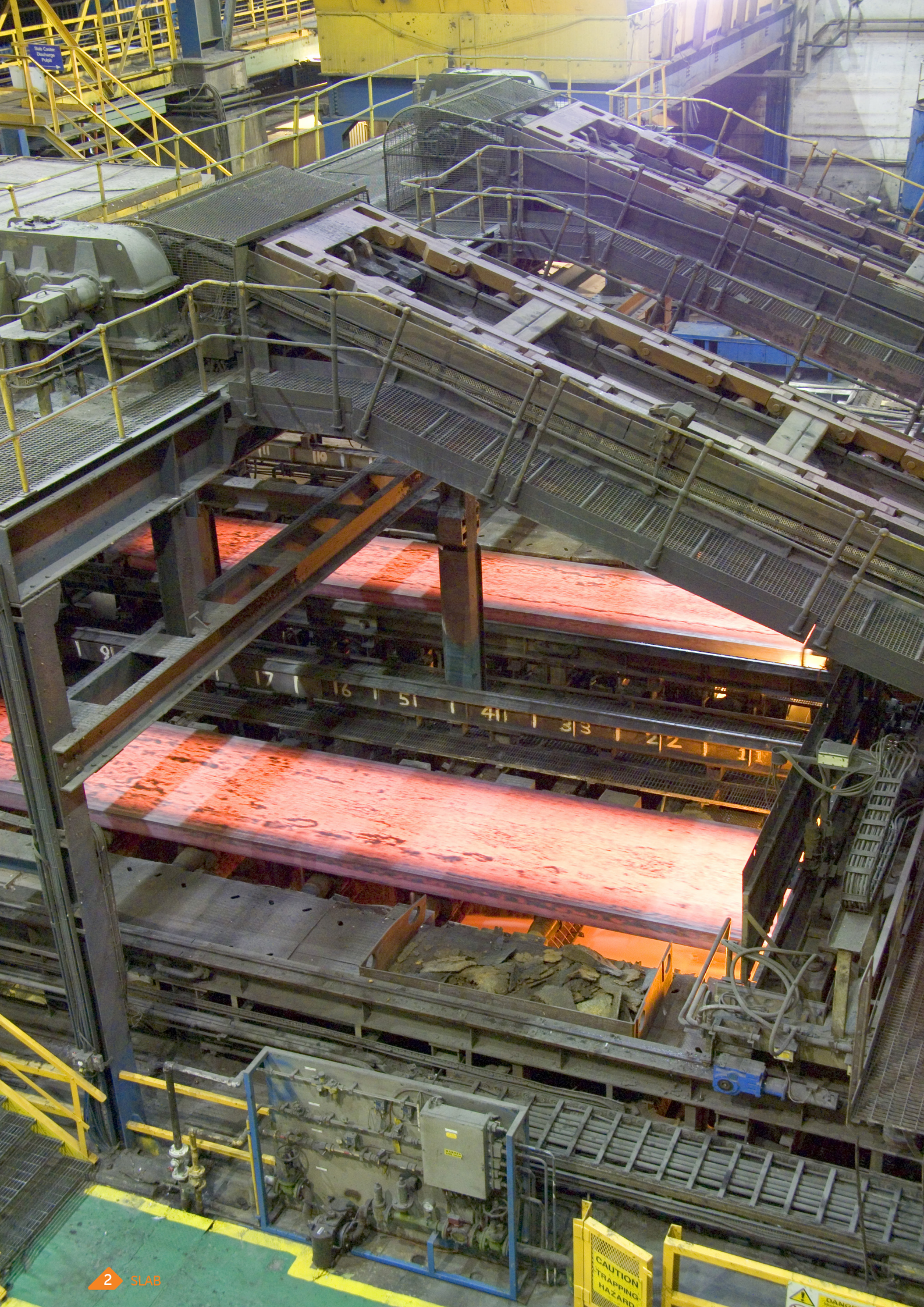
**BRITISH
STEEL**



Slab

Direct cast slabs for structural
and general engineering products

BUILDING STRONGER FUTURES



Introducing British Steel

British Steel is one of Europe's leading steel manufacturers, producing around 3 million tonnes of quality steel products every year. In addition to supplying a wide range of premium finished products around the world, we also produce a variety of semi-finished products to suit your specific rolling requirements.

Our steelworks have existed for around 150 years and we're excited about what we can collectively achieve to build a successful future for many years to come.



Direct cast slab for structural and engineering products

Our steel slabs are suitable for rolling to reversing mill plate, hot rolled coil and structural sections for a range of structural and general engineering applications.

Our steel is produced through the basic oxygen steelmaking (BOS) process, and is then refined in a ladle arc furnace and vacuum degasser facilities.

These processes control the steel temperatures and chemistries extremely tightly, ensuring our wide range of steel grades meet the most demanding customer requirements.

Our slabs are continuously cast through a 2-strand slab caster – sequence casting is used and the steel is fully shrouded both between the ladle and the tundish and from the tundish to the mould. Hood cooling may also be used to remove hydrogen, depending on the hydrogen content and specification required.

Quality assurance

Our long and successful history in steelmaking means you can be assured of receiving top quality slabs for your production lines.

British Steel is accredited to both ISO 9001:2015 for our quality management system and ISO 14001:2015 for our environmental management system. Our steelmaking and casting processes also hold ABS, BV, CCS, DNV, LRS and RINA shipbuilding accreditations.

In addition to verifying the chemical composition and segregation of our steel, we have well-equipped laboratories onsite where other tests can be conducted as required.

Technical support from our specialists

Our team of experienced metallurgists provides dedicated technical support to our customers to ensure our products meet your exacting requirements.

Slab identification

Our slabs are each identified with a unique cast number and slab number, ensuring full traceability. They can also be marked with the dimensions, grade and weight.



Dimensions

Width	Thickness			
	mm		225	298
		inches	9	12
	800	31 1/2		
	1,095	43 1/8		
	1,270	50		
	1,425	56 1/8		
	1,525	60		
	1,540	60 5/8		
	1,605	63 3/16		
	1,820	71 2/3		
	1,970	77 9/16		

Dimensions	Measurement
Length min	6,900mm
Length max	10,500mm
Piece weight max	34.5t

Documentation

Inspection certificates will be supplied for products being rolled in accordance with EN 10204, with the following elements being routinely analysed at cast level:

Element	No. of reported digits after decimal point
C, Si, Mn	2
P, S, Al(t), V, Ti, Nb, Sn, Mo, Co, Ca, Cu, Ni, Cr, N ₂	3
B	4

Bespoke slabs for your rolling needs

Our slabs can be tailored to best meet the attributes of your products and help you meet the appropriate national and international standards. Please contact us to discuss your requirements.

Application	Standard
Structural steel	Suitable for rolling to EN 10025 e.g. S235, S275, S355
Structural steel	Suitable for rolling to ASTM e.g. A36, A992, A572 gr 50
Low carbon hot rolled coil	Suitable for rolling to EN 10111

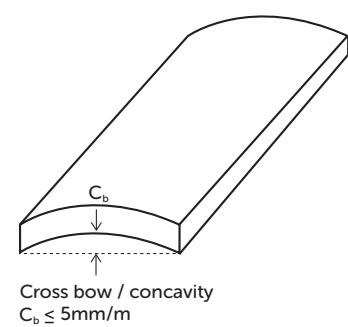
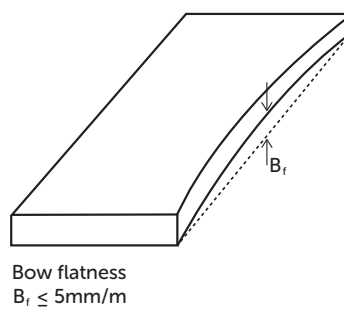
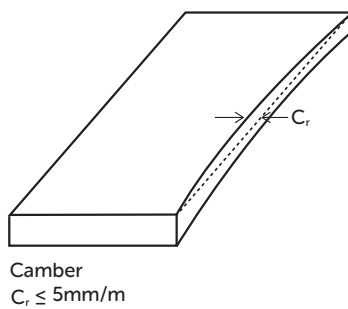
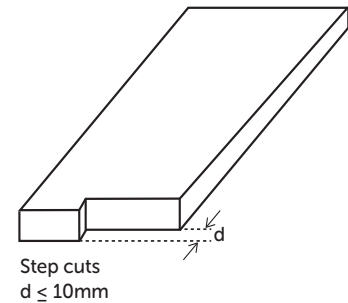
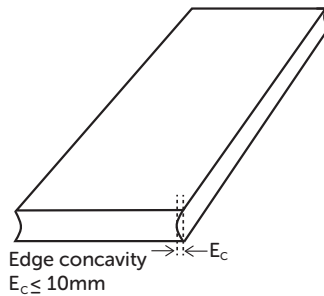
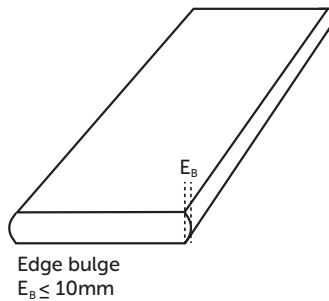
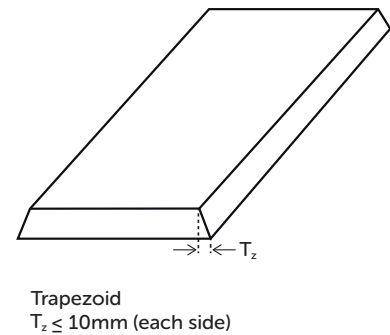
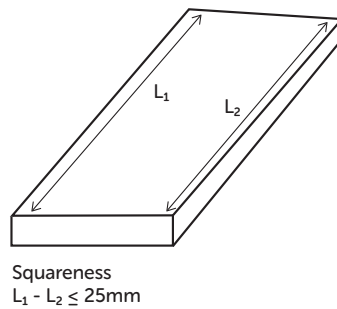
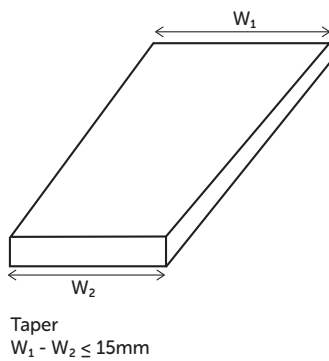
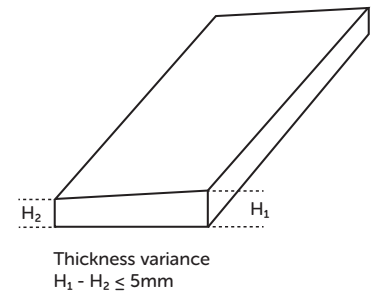
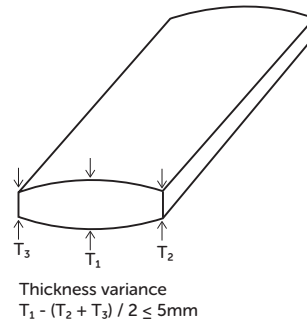


Tolerances

Tolerance	Measurement (all section sizes)
Thickness	+ / - 5mm
Width	+ / - 20mm (last in sequence + 20mm / - 45mm)
Length*	+ / - 100mm

Notes:

*Shorts allowance up to 3 pieces per strand per sequence.



Quantity

Nominal order in 280 metric tonne multiples. Overall order quantity + / - 10%.



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