BRITISH STEEL

Billet

Direct cast billets for
long steel 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.

We were bought by leading Chinese multi-industrial company Jingye Group in March 2020, beginning a new chapter in British steelmaking.

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 billet for long steel products

Our steel billets have a square cross-section and are suitable for steel-reinforcement, structural, low-carbon and drawing 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 billets are continuously cast through an 8-strand billet caster – sequence casting is used and the steel is fully shrouded between the ladle and the tundish to prevent reoxidation.

Quality assurance

Our long and successful history in steelmaking means you can be assured of receiving top quality billets 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.

Billet identification

Our billets are each hard stamped with a 5-digit cast number, ensuring traceability. If the hard stamp is illegible or missing, a paint stencil can be used as an alternative.

The steel grade can also be identified on the opposite end of the billet in an appropriate colour to meet your requirements.

Dimensions

Dimension	Measurement (mm)
Width and thickness	140 x 140
Width and thickness	180 x 180

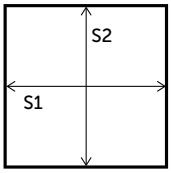
Dimension	Measurement (mm)
Length min	8,000
Length max	14,000

Tolerances

Section overall

Measure section mid-face S1 and S2 (preferred method)

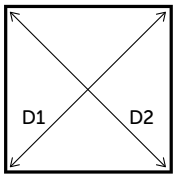
Section	mm
140mm	- 3 / + 5
180mm	-2 / + 6



Rhomboidity

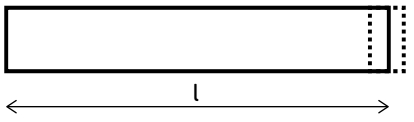
Measure diagonal D1 and D2
Diagonal difference D1 - D2

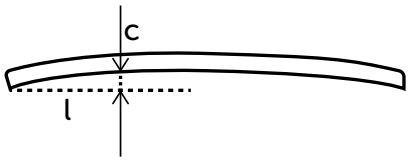
Section	Measurement
140mm	10mm max
180mm	14mm max
All	3° max



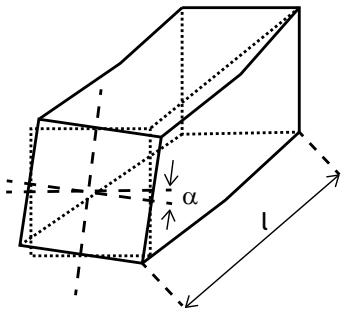
Tolerance	Measurement (all section sizes)
Length*	+ / - 100mm
Straightness**	10mm/m or 100mm max on overall length

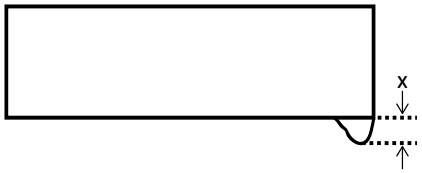
Notes:
*Shorts allowance up to 5% of billets down to customers' minimum length.
**Measure gap from flat surface or wire stretched end-to-end.

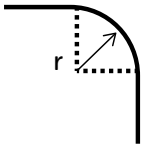




Tolerance	Measurement (all section sizes)
Twist	3° max on overall length
Fash / flame cutting burr	x = 10mm max
Corner radius	r = 4mm
Quantity	Nominal order in 280 metric tonne multiples Overall order quantity + / - 10%







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 billets for your rolling needs

Our billets 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
Plain and deformed reinforcement bar	Various
Low carbon wire rod	Various

BRITISH STEEL

BRITISHSTEEL.CO.UK

A | PO Box 1, Brigg Road, Scunthorpe, DN16 1BP, United Kingdom
T | +44 (0)1724 404040 E | semisales@britishsteel.co.uk

BUILDING STRONGER FUTURES

SFBI:ENG:042020