



Approved Manufacturer of Steel Plates, Strip, Sections & Bars

Manufacturer	Georgsmarienhütte GmbH
Address	Neue Hüttenstraße 1, 49124 Georgsmarienhütte, Germany
Type	Semi-Finished Products Steel Making Bars

This approval is subject to compliance with the Rules for the Manufacture, Testing and Certification of Materials. The full details of the processes and grades to which this approval applies are given on subsequent pages of this certificate.

This certificate is issued to the named manufacturer, and is valid until the expiry date specified. Lloyd's Register is to be notified of any change that may affect the validity of this certificate, and reserves the right to cancel or withdraw this certificate.



71 Fenchurch Street, London, EC3M 4BS, United Kingdom

Gavin Young

Senior Metallurgist to Lloyd's Register EMEA
A member of the Lloyd's Register group

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Steel making	E.A.F. / Con Cast	Grades	Maximum Thickness	Units
-	-	As below	245.00	mm
Steel Making	E.A.F. / Ingot	Grades	Maximum Weight	Units
-	-	As below	44.00	Tonnes
Semi-Finished Products	Ingots (tonnes)	Grades	Maximum Weight	Units
As cast	-	carbon, carbon manganese	44.00	Tonnes
As cast	-	alloy steel	44.00	Tonnes
Semi-Finished Products	Blooms	Grades	Maximum Thickness	Units
As cast	-	carbon, carbon manganese	245.00	mm
As cast	-	Alloy	245.00	mm
Bars	Chain Cable Stock	Grades	Maximum Thickness	Units
As Rolled	Killed	U1	155.00	mm
As Rolled	Fine Grain Al	U2	155.00	mm
As Rolled	Fine Grain Al	U3	155.00	mm
As Rolled	Fine Grain Al	R3	155.00	mm
Bars	Structural	Grades	Maximum Thickness	Units
Normalized	Fine Grain Al	carbon, carbon manganese	280.00	mm
Quenched and Tempered	Fine Grain Al	Alloy	270.00	mm
Bars	Higher Strength	Grades	Maximum Thickness	Units
As Rolled	Fine Grain Al	DH36, AH36, DH32, AH32	180.00	mm
As Rolled	Fine Grain Al	EH32	180.00	mm



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Bars	Normal Strength	Grades	Maximum Thickness	Units
As Rolled	Fine Grain Al	B , A	100.00	mm
As Rolled	Killed	B , A	180.00	mm
As Rolled	Fine Grain Al	E , D	180.00	mm



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