



Certificate No : MD00/0665/0009/1

H.E.S. HENNINGSDORFER ELEKTROSTAHLWERKE GmbH
Wolfgang-Küntschers-Straße 18
D-16761 Hennigsdorf
Germany

has been approved as a manufacturer in accordance with the requirements of Lloyd's Register for :-

Steelmaking and 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 in the Appendix of this certificate.

Lloyd's Register is to be notified of any change that may affect the validity of this Certificate.

This Certificate is issued to the above manufacturer and is valid until the date given below.

Valid Until : 29 June 2020
Date of Issue : 07 July 2017

A handwritten signature in blue ink, appearing to read 'Colin Waylen', is positioned above a horizontal line.

Colin Waylen

Principal Specialist to Lloyd's Register EMEA
A member of the Lloyd's Register group



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Appendix 1

H.E.S. HENNIGSDORFER ELEKTROSTAHLWERKE GmbH
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D-16761 Hennigsdorf
Germany

Steelmaking	E.A.F. / Con Cast	Grades	mm thickness Maximum
Bars	Structural	Grades	
Annealed	Killed	alloy	100.0
Normalized	Killed	carbon, carbon-manganese	100.0
Quenched and Tempered	Killed	carbon-manganese, alloy	100.0
Bars	Machinery	Grades	mm thickness Maximum
Annealed	Killed	alloy	50.0
Normalized	Killed	carbon, carbon-manganese	50.0
Quenched and Tempered	Killed	carbon-manganese, alloy	50.0
Bars	Chain Cable Stock	Grades	mm thickness Maximum
As Rolled	Fine Grain Al	U2	73.0
As Rolled	Killed	U1	73.0

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