



Certificate No : MD00/0730/0008/1

Appendix 1

Hüttenwerke Krupp Mannesmann GmbH  
Huckingen Works  
Ehinger Strasse 200  
D-47259 Duisburg-Huckingen  
Germany

<b>Steelmaking</b>	<b>B.O.S. / Con Cast</b>	<b>Grades</b> carbon, carbon-manganese, alloy, High-nickel steel (for low temperature service)	
<b>Semi-Finished Products</b>	<b>Slabs</b>	<b>Grades</b> carbon, carbon-manganese, alloy, high-nickel steel (for low temperature service)	<b>mm thickness Maximum</b> 260.0
<b>Semi-Finished Products</b>	<b>Blooms/Billets</b>	<b>Grades</b> alloy carbon, carbon-manganese	<b>mm thickness Maximum</b> 406.0 406.0

Valid Until : 06 February 2018  
Date of Issue : 29 June 2016

**Clive Arnold**

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



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**Hüttenwerke Krupp Mannesmann GmbH  
Huckingen Works  
Ehinger Strasse 200  
D-47259 Duisburg-Huckingen  
Germany**

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

**Steelmaking and Semi-Finished Products**

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 : 06 February 2018  
Date of Issue : 29 June 2016**

A handwritten signature in blue ink, appearing to read 'Clive Arnold', is written over a horizontal line.

**Clive Arnold**  
Senior Metallurgical Specialist to Lloyd's Register EMEA  
A member of the Lloyd's Register group