



Certificate No : MD00/1599/0011/1

LIBERTY MERCHANT BAR PLC.
Liberty House
Scunthorpe Steel Works
Brigg Road,
Scunthorpe. North Lincolnshire. DN16 1XL
United Kingdom

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

Steel Sections 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 : 25 November 2018
Date of Issue : 26 October 2017

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

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



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Appendix 1
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Sections	Normal Strength	Grades	mm thickness Maximum
As Rolled	Fine Grain Al	A, B, D, E	12.0
As Rolled	Killed	A	12.0
Sections	Higher Strength	Grades	mm thickness Maximum
As Rolled	Fine Grain Al+V	AH32, AH36, DH32, DH36	12.0
As Rolled	Fine Grain V	AH32, AH36, DH32, DH36	12.0
As Rolled	Fine Grain Al	AH32, AH36, DH32, DH36	12.0
Bars	Normal Strength	Grades	mm thickness Maximum
As Rolled	Fine Grain Al	A, B, D, E	50.0
As Rolled	Killed	A	50.0
Bars	Higher Strength	Grades	mm thickness Maximum
As Rolled	Fine Grain Al+V	AH32, AH36, DH32, DH36	50.0
As Rolled	Fine Grain V	AH32, AH36, DH32, DH36	20.0
As Rolled	Fine Grain Al	AH32, AH36, DH32, DH36	50.0

The approved sections include flat bar and angled bar

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