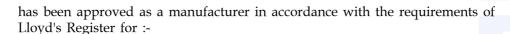


MATERIALS QUALITY SCHEME APPROVED MQS 063

Certificate No: MQ00/0235/0013/1

LIBERTY STEEL DALZELL LIMITED Motherwell ML1 1PU United Kingdom



Steel Plates

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 : 17 May 2020 Date of Issue : 20 July 2017 101 Amoula

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



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MATERIALS QUALITY SCHEME APPROVED MQS 063





Appendix 1 LIBERTY STEEL DALZELL LIMITED Motherwell ML1 1PU United Kingdom

Grades

D

Е

A, B

Plates

As Rolled
As Rolled
Normalized
Normalized

Plates

Normalized Normalized Normalizing Rolled Thermo Mechanical Thermo Mechanical

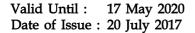
Fine Grain Al Fine Grain Al Fine Grain Al Fine Grain Al **Higher Strength** Fine Grain Al+Nb Fine Grain Al+Nb

Normal Strength

Fine Grain Al+Nb Fine Grain Al+Nb Fine Grain Al+Nb+Ti

A, B, D
Grades
FH32, FH36
AH32, AH36, DH32, DH36, EH32, EH36
AH32, AH36, DH32, DH36
AH32, AH36, DH32, DH36, EH32, EH36
AH32, AH36, DH32, DH36, EH32, EH36

mm thickness Maximum 35.0 50.0 100.0 mm thickness Maximum 30.0 75.0 50.0 65.0 50.0



M fmsdg

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