



Approved Manufacturer of Steel Plates, Strip, Sections & Bars

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|--------------------------|---|
| Manufacturer | JSW Steel |
| Address | 5200 East Mckinney Road, Baytown, TX, 77523, United States |
| Type | Plates |
| Scope of Approval | Material Survey Scheme Approval Steel Plates Carbon, Carbon-Manganese Steel Normal, Higher Strength and Boiler and Pressure Vessel grades as per appendix, Company also approved under Material Quality Scheme MQS 091. Separate Approval certificate applies. |

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.

Approval Notes **Previous Lloyd's Register number 3505.**



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

Clive Arnold
Lead Metallurgist: Metallurgical Assurance to
Lloyd's Register EMEA
A member of the Lloyd's Register group

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| Plates | Normal Strength | Grades | Maximum Thickness | Units |
|--------------------|----------------------------|--|-------------------|-------|
| As Rolled | Fine Grain Al | D | 35.00 | mm |
| As Rolled | Fine Grain Al | B , A | 51.00 | mm |
| Normalized | Fine Grain Al | E, D, B, A | 51.00 | mm |
| Normalizing Rolled | Fine Grain Al | D, B, A | 102.00 | mm |
| Plates | Higher Strength | Grades | Maximum Thickness | Units |
| As Rolled | Fine Grain Al+Nb+Ti | DH36, AH36, DH32, AH32, DH27S, AH27S | 12.50 | mm |
| Normalizing Rolled | Fine Grain Al+Nb+Ti | DH40, DH36, AH36, DH32, AH32, DH27S, AH27S | 102.00 | mm |
| Plates | Boiler and Pressure Vessel | Grades | Maximum Thickness | Units |
| Normalized | Fine Grain Al | 410FG , 360FG | 51.00 | mm |
| Normalizing Rolled | Fine Grain Al+Nb+Ti | 510FG, 490FG, 460FG, 410FG, 360FG | 102.00 | mm |
| Normalizing Rolled | Fine Grain Al | 410FG , 360FG | 102.00 | mm |



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