



Certificate No : MD00/2236/0005/1

**REPUBLIC ENGINEERED PRODUCTS
HOT ROLLED BAR DIVISION
CANTON WORKS
2633 Eighth Street N.E.
Canton
Ohio 44704-2311
United States of America**

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

Steelmaking, Semi-Finished Products 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 : 15 May 2013
Date of Issue : 16 November 2010**

R Marsh
Metallurgical Specialist to Lloyd's Register EMEA
A member of the Lloyd's Register Group

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**Lloyd's
Register**

Appendix 1
REPUBLIC ENGINEERED PRODUCTS
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Steelmaking	E.A.F./Ingot/Con Cast	Grades	
		As below	
Semi-Finished Products	Ingots	Grades	tonnes Maximum
As cast	Killed	carbon, carbon-manganese, alloy	14.8
Bars	Semi-finished Products	Grades	mm thickness Maximum
As Rolled	Killed	carbon, carbon-manganese	365.0

Ingots as semi finished products, nominal 740mm diameter x 4800mm, are approved for further processing for forgings to the maximum un-cropped weight shown above.

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K Marsh
 Metallurgical Specialist to Lloyd's Register EMBA
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