

APPROVAL OF MANUFACTURER CERTIFICATE

This is to certify:

That

ArcelorMittal Hochfeld GmbH
Vohwinkelstraße 107
47137 Duisburg,
Germany

is an approved manufacturer of
Steelmaking

in accordance with
DNV GL rules for classification – Ships
DNV GL offshore standards

and the following particulars:

Application area	Steelmaking
Product	Semi-finished products for forgings or rolling stock
Steel type	Carbon and carbon-manganese, Alloy
Steelmaking	Basic oxygen converter, Continuous casting
Deoxidation	Killed
Max. thickness / diameter	See page 2
Heat treatment condition	See page 2
Additional approval conditions	See page 2

Manufacturer(s) approved by this certificate is/are accepted to deliver according to DNV GL, DNV and GL rules. Materials to be applied to DNV GL classed object shall fulfill the material requirements in the applicable DNV GL class rules.

Issued at **Hamburg** on **2018-06-26**

for **DNV GL**

This Certificate is valid until **2021-06-30**.

DNV GL local station: **Essen**

Approval Engineer: **Christian Wildhagen**

Thorsten Lohmann
Head of Section



Job Id: **263.11-004406-2**
Certificate No: **AMMM0000244**

Particulars of the approval

Semi-finished products

Steel type ³⁾	Product	Steel making ¹⁾	Max weight [kg]	Max. Thickness [mm]	Delivery condition ²⁾
C and C-Mn	Billet, Slab, Bloom	BOC, CC	-	265	AR, AC
Alloy	Billet, Slab, Bloom	BOC, CC	-	265	AR, AC

Remarks:

- 1) BOC: Basic oxygen converter
CC: Continuous casting
- 2) AR: as rolled
AC: as cast
- 3) Certification of any material applied to classed object shall fulfill the applicable material requirements in the DNV GL class rules