

APPROVAL OF MANUFACTURER CERTIFICATE

This is to certify:

That
ArcelorMittal Bremen GmbH
Bremen, Germany

is an approved manufacturer of
Steelmaking and Rolled Steel Products

in accordance with
GL Rules for Classification and Construction II - Materials and Welding Part 1 - Metallic Materials

and the following particulars:

Product	Rolled Steel for Structural Application
Grade(s)	see annex
Steelmaking	Basic oxygen converter, continuous casting
Deoxidation	Killed
Fine grain elements	see annex
Delivery conditions	see annex
Max. thickness/diam.	20 mm
Remarks	

Manufacturer(s) approved by this certificate is/are accepted to deliver according to DNV GL, DNV and GL rules.

This Certificate is valid until **2018-06-30**.

Issued at **Hamburg** on **2015-12-11**

DNV GL local station: **Bremerhaven**

Approval Engineer: **Stefan Röhr**

for **DNV GL**

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Marcus von Busch
Head of Section

Job Id: **263.11-005465-1**
Certificate No: **AMMM000008R**

Particulars of the approval

Rolled Steel Products:

Grade	Product	Supply Condition	Casting Method	Diameter ¹⁾ [mm], max.	Deoxidation	Microalloy
S235JR acc. to EN 10025-2	BD	CR	CC	20	killed	Al-Ti
S235J0 acc. to EN 10025-2	BD	CR	CC	20	killed	Al-Ti
S235J2 acc. to EN 10025-2	BD	CR	CC	20	killed	Al-Ti
S275JR acc. to EN 10025-2	BD	CR	CC	20	killed	Al-Ti
S275J0 acc. to EN 10025-2	BD	CR	CC	20	killed	Al-Ti
S275J2 acc. to EN 10025-2	BD	CR	CC	20	killed	Al-Ti
S355JR acc. to EN 10025-2	BD	CR	CC	20	killed	Al-Ti
S355J0 acc. to EN 10025-2	BD	CR	CC	20	killed	Al-Ti
S355J2 acc. to EN 10025-2	BD	CR	CC	20	killed	Al-Ti
S355K2 acc. to EN 10025-2	BD	CR	CC	20	killed	Al-Ti
GL-A	BD	CR	CC	20	killed	Al-Ti
GL-B	BD	CR	CC	20	killed	Al-Ti
GL-D	BD	CR	CC	20	killed	Al-Ti
GL-E	BD	CR	CC	20	killed	Al-Ti
GL-A32	BD	CR	CC	20	killed	Al-Ti
GL-A32	BD	TM	CC	15	killed	Al-Nb
GL-A36	BD	TM	CC	15	killed	Al-Nb
GL-A36	BD	CR	CC	20	killed	Al-Ti
GL-D32	BD	CR	CC	20	killed	Al-Ti
GL-D36	BD	CR	CC	20	killed	Al-Ti

CC: continuous casting

CR: Controlled Rolled

TM: Thermomechanical Rolled

BD: Strip