



APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM00000D7
Revision No:
3

This is to certify:

That

Salzgitter Flachstahl GmbH
Eisenhüttenstraße 99, 38239 Salzgitter,
Germany

is an approved manufacturer of
Steelmaking and Rolled Steel Products

in accordance with
DNV rules for classification – Ships
DNV-OS-B101 – Metallic materials

and the following particulars:

Application area	Steelmaking
	Normal strength steel
	High strength steel
Products	Semi-finished products (slabs/blooms/billets)
	Rolled steel for structural application
	(wide strip in coils/sheets cut from wide strip)
Steel type	Carbon and Carbon-Manganese
Manufacturing method	Basic Oxygen Converter, Continuous Casting
Deoxidation	Killed
Max. thickness / diameter	See page 2
Heat treatment condition	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 classed object shall fulfill the material requirements in the applicable DNV class rules.

Issued at **Hamburg** on **2022-06-30**

for **DNV**

This Certificate is valid until **2025-02-21**.

DNV local station: **Magdeburg**

Approval Engineer: **Stefan Röhr**

Thorsten Lohmann
Head of Section

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Form code: AM 311

Revision: 2021-03

www.dnv.com

Page 1 of 2

Particulars of the approval

Semi-finished products

Steel type	Product	Steel making ¹⁾	Fine grain elements	Max. thickness [mm]	Heat treatment condition ²⁾
C and C-Mn	Slab, Bloom, Billet	BOC, IC	acc. to standard	350	AC
Hull Structural Steel grades	Slab, Bloom, Billet	BOC, IC	acc. to standard	350	AC

Normal strength steel

Grade	Product	Steel making ¹⁾	Fine grain elements	Max. thickness [mm]	Heat treatment condition ²⁾	Z-quality
NV A, NV B, NV D	Sheet, Strip (Coil)	BOC, CC	Al	16	AR	-

High strength steel

Grade	Product	Steel making ¹⁾	Fine grain elements	Max. thickness [mm]	Heat treatment condition ²⁾	Z-quality
NV A32, NV A36, NV D32, NV D36	Sheet, Strip (Coil)	BOC, CC	Al	16	AR	-

Steels acc. to other standards ³⁾

Grade	Product	Steel making ¹⁾	Fine grain elements	Max. thickness [mm]	Heat treatment condition ²⁾	Z-quality
Steel acc. to EN 10025-2						
S235JR, S235J0, S235J2, S275JR, S275J0, S275J2, S355JR, S355J0, S355J2, S355K2	Sheet, Strip (Coil)	BOC, CC	acc. to standard	16	acc. to standard	-

Remarks:

- ¹⁾ BOC: Basic Oxygen Converter; CC: Continuous Casting
- ²⁾ AR: As rolled; AC: As cast
- ³⁾ Possible application and certification of any material to classed object is subject to case by case approval