



APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM000023Y
Revision No:
3

This is to certify:

That

Acciaierie d'Italia S.p.A.
Via Appia km 648, 74123 Taranto TA,
Italy

is an approved manufacturer of
Steelmaking and Rolled Steel Products

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

and the following particulars:

Application area	Normal strength steel High strength steel Z-grade steels (plates with through thickness properties)
Products	Plates and sheets
Manufacturing method	Basic Oxygen Converter, Continuous Casting
Max. thickness	See page 2
Heat treatment condition	See page2

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 **2021-12-07**

for **DNV**

This Certificate is valid until **2024-09-30**.

DNV local station: **Naples**

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

Normal strength steel

Grade	Product	Steel-making ¹⁾	Fine grain elements	Max. thickness [mm]	Heat treatment condition ²⁾	Z-quality
VL A, VL B, VL D	Plate	BOC, CC	Al+Ti	50	TM	Z25, Z35
VL E	Plate	BOC, CC	Al+Nb+Ti	80	TM	Z25, Z35

High strength steel

Grade	Product	Steel-making ¹⁾	Fine grain elements	Max. thickness [mm]	Heat treatment condition ²⁾	Z-quality
VL A32, VL A36, VL D32, VL D36, VL E 32	Plate	BOC, CC	Al+Nb+Ti	50	TM	Z25, Z35
VL E36	Plate	BOC, CC	Al+Nb+Ti	80	TM	Z25, Z35

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, 235J0, S235J2, 275JR, S275J0, 275J2, S355JR, S355J0, S355J2, S355K2	Plate	BOC, CC	acc. to standard	80	acc. to standard	Z25, Z35

Remarks:

- 1) BOC: Basic oxygen converter; CC: Continuous casting
- 2) TM: thermo-mechanical rolling
- 3) Possible application and certification of any material to classed object is subject to case by case approval