

APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM000023Z
Revision No:
1

This is to certify:

That

Liberty Ostrava a.s.
Vratimovská 689/117, Ostrava-Kunčice,
Czech Republic

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
Product	Sections and flat bars
Manufacturing methods	Basic Oxygen Converter, Continuous Casting
Heat treatment condition	See page 2
Max. thickness	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 **2020-02-20**

for **DNV GL**

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

DNV GL local station: **Ostrava**

Approval Engineer: **Christian Wildhagen**

Thorsten Lohmann
Head of Section

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Job Id: **263.11-004684-3**
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Particulars of the approval

Normal strength steel

Grade	Product ³⁾	Steel making ¹⁾	Fine grain elements	Max. thickness [mm]	Delivery condition ²⁾
VL A	sections / flat bars	BOC, CC	-	25	AR
VL A	sections / flat bars	BOC, CC	Al	60	AR
VL B	sections / flat bars	BOC, CC	Al	60	AR
VL D	sections / flat bars	BOC, CC	Al	50	AR

Steels acc. other standards

Grade	Product ³⁾	Steel making ¹⁾	Fine grain elements	Max. thickness [mm]	Delivery condition ²⁾
Steel acc. to EN 10025-2					
S235JR, S235J0, S235J2, S275JR, S275J0, S275J2	sections / flat bars	BOC, CC	acc. to standard	60	acc. standard

Remarks:

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