DNV-GL

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

Product High strength steel
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**

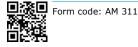
This Certificate is valid until **2021-06-30**.

DNV GL local station: **Ostrava**

Approval Engineer: Christian Wildhagen

Thorsten Lohmann Head of Section

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Job Id: **263.11-004684-3** Certificate No: **AMMM000023Z**

Revision No: 1

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									
\$235JR, \$235J0, \$235J2, \$275JR, \$275J0, \$275J2	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

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