



# APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:  
**AMMM000023Z**  
Revision No:  
**3**

This is to certify:

That

**Liberty Ostrava a.s.**  
**Vratimovská 689, 707 02 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:

<b>Application area</b>	<b>Normal strength steel</b> <b>High strength steel</b>
<b>Product</b>	<b>Sections and flat bars</b>
<b>Manufacturing methods</b>	<b>Basic Oxygen Converter,</b> <b>Continuous Casting</b>
<b>Max. thickness</b>	<b>See page 2</b>
<b>Heat treatment condition</b>	<b>See page 2</b>

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 **2021-07-28**

for **DNV**

This Certificate is valid until **2024-08-31**.

DNV local station: **Ostrava**

Approval Engineer: **Torben Schälicke**

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**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.



## Particulars of the approval

### Normal strength steel

Grade	Product	Steel making <sup>1)</sup>	Fine grain elements	Max. thickness [mm]	Delivery condition <sup>2)</sup>
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 <sup>3)</sup>	Steel making <sup>1)</sup>	Fine grain elements	Max. thickness [mm]	Delivery condition <sup>2)</sup>
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) Possible application and certification of any material to classed object is subject to case by case approval