

APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM00000K3
Revision No:
1

This is to certify:

That

Trinecke Zelezarny a. s.
Trinec-Stare Mesto, Czech Republic

is an approved manufacturer of
Steelmaking and Rolled Steel Products

in accordance with
DNV GL rules for classification – Ships

and the following particulars:

Application area	Rolled steel products,
Products	Steelmaking
	Sections,
	Wide flats,
	Bars
	Semi-finished products for rolling or forging stock
	(ingots, slabs)
Manufacturing method	Basic Oxygen Converter,
	Continuous Casting or Ingot Casting
Max. thickness / diameter	See page 2
Heat treatment condition	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 GL classed object shall fulfill the material requirements in the applicable DNV GL class rules.

Issued at **Hamburg** on **2019-04-10**

for **DNV GL**

This Certificate is valid until **2022-03-31**.

DNV GL local station: **Prague**

Approval Engineer: **Stefan Röhr**

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Thorsten Lohmann
Head of Section



Job Id: **263.11-009861-1**
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Particulars of the approval

Semi-finished products

Steel type ³⁾	Product	Steel making ¹⁾	Max weight [kg]	Max. thickness [mm]	Heat treatment condition ²⁾
C and C-Mn	Ingots	BOC, IC	5 200	650	AC
C and C-Mn	Slabs	BOC, CC	-	525	AC
Alloy	Ingots	BOC, IC	5 200	650	AC
Alloy	Slabs	BOC, CC	-	525	AC

Normal strength steel

Grade	Product	Steel making ¹⁾	Fine grain elements	Max. thickness [mm]	Heat treatment condition ²⁾
VL A	Wide flats	BOC, CC	Al	50	AR
VL A	Sections	BOC, CC	Al	19.5	AR

Non-alloy structural steels according to EN 10025-2

Grade	Product	Steel making ¹⁾	Fine grain elements	Max. thickness [mm]	Heat treatment condition ²⁾
S235JR, S235J0, S235J2	Wide flats	BOC, CC	acc. to standard	50	AR
S235JR, S235J0, S235J2	Sections	BOC, CC	acc. to standard	19.5	AR

Steels for quenching and tempering according to EN 10083-3

Grade	Product	Steel making ¹⁾	Fine grain elements	Max. diameter [mm]	Heat treatment condition ²⁾
42CrMo4 42CrMoS4	Rolled Bars	BOC, CC	acc. to standard	80	QT

Remarks:

- 1) BOC: Basic oxygen converter; CC: Continuous casting; IC: Ingot casting
- 2) AC: As cast; QT: Quenched and tempered
- 3) Semi-finished products in carbon, carbon-manganese and alloy steel grades for the subsequent manufacturing of rolled steel products for structural application as well as for boilers, pressure vessels and special applications