

APPROVAL OF MANUFACTURER CERTIFICATE

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:

Product	Semi-finished products
	Sections and wide flats made of hot rolled steel
Grade(s)	Rolled steel for structural application
	Rolled steel for boilers, pressure vessels and special application
	Carbon and carbon-manganese
	Alloy
Steelmaking	Basic oxygen converter,
	Continuous casting
Deoxidation	killed
Remarks	See particulars of the approval

Manufacturer(s) approved by this certificate is/are accepted to deliver according to DNV GL, DNV and GL rules.

This Certificate is valid until **2019-03-31**.

Issued at **Hamburg** on **2016-05-10**

DNV GL local station: **Czechia**

Approval Engineer: **Christian Wildhagen**

for **DNV GL**

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Thorsten Lohmann
Head of Section

Job Id: **263.11-005800-1**
 Certificate No: **AMMM00000K3**

Particulars of the approval

Semi-Finished Products:

Grade	Supply Condition	Casting Method	Thickness [mm], max.	Deoxidation	Microalloy	Weight [kg], max.
C and C-Mn steels	AC	CC	525	killed	acc. to standard	-
Alloy steels	AC	CC	525	killed	acc. to standard	-
Rolled steel for structural application	AC	CC	525	killed	acc. to standard	-
Rolled steel for boilers, pressure vessels and special application	AC	CC	525	killed	acc. to standard	-
C and C-Mn steels	AC	IC	650	killed	acc. to standard	5200
Alloy steels	AC	IC	650	killed	acc. to standard	5200
Rolled steel for structural application	AC	IC	650	killed	acc. to standard	5200
Rolled steel for boilers, pressure vessels and special application	AC	IC	650	killed	acc. to standard	5200

AC: as cast CC: continuous casting IC: ingot casting

Rolled Steel Products:

Grade	Product	Supply Condition	Casting Method	Thickness [mm], max.	Deoxidation	Microalloy
Normal strength steels						
VL A	BF	AR	CC	50	killed	Al
VL A	FO	AR	CC	19.5	killed	Al
Non-alloy structural steels acc. to EN 10025-2						
S235JR, S235J0, S235J2	BF	AR	CC	50	killed	acc. to standard
S235JR, S235J0, S235J2	FO	AR	CC	19.5	killed	acc. to standard

BF: wide flats FO: sections CC: continuous casting AR: as rolled