

APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM00000FO
Revision No:
1

This is to certify:

That

Suqian Jinxin Steel Rolling Co., Ltd. of NISCO
No.89 Jiangshan Road, Suyu District, Suqian, Jiangsu Province, China

is an approved manufacturer of
Rolled Steel Products

in accordance with
DNV GL rules for classification – Ships

and the following particulars:

Application area	Normal strength steel
Products	High strength steel
Manufacturing method	Structural sections
Max. thickness / diameter	Basic oxygen converter, continuous casting
Heat treatment condition	See page 2
	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 **2019-05-31**

for **DNV GL**

This Certificate is valid until **2022-03-09**.

DNV GL local station: **Nanjing**

Approval Engineer: **Torben Schällicke**

Thorsten Lohmann
Head of Section



Job Id: **263.11-003834-4**
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Particulars of the approval

Normal strength steel

Grade	Product	Steel making ¹⁾	Fine grain elements	Max. thickness / diameter [mm]	Heat treatment condition ²⁾	Z- quality
VL A, VL B	Sections	BOC, CC	-	20	AR	-
			AL+Nb	20	AR	-
VL A, VL B, VL D	Sections	BOC, CC	Al+V	20	NR	-
VL A, VL B, VLD, VL E	Sections	BOC, CC	Al+Ti	20	NR	-

High strength steel

Grade	Product	Steel making ¹⁾	Fine grain elements	Max. thickness / diameter [mm]	Heat treatment condition ²⁾	Z- quality
VL A32, VL A36	Sections	BOC, CC	Al+Nb	15	AR	-
				20	NR	-
VL A32, VL A36, VL A40, VL D32, VL D36, VL C40	Sections	BOC, CC	Al+V	20	NR	-
VL E32, VL E36	Sections	BOC, CC	Al+V+Ti	20	NR	-

Remarks:

- 1) BOC: Basic oxygen converter
CC: Continuous casting
- 2) AR: as rolled
NR: normalising rolling