



APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM00001HM
Revision No:
2

This is to certify:

That

Peiner Träger GmbH
Gerhard-Lucas-Meyer-Straße 10, 31226 Peine,
Germany

is an approved manufacturer of
Steelmaking and Rolled Steel Products

in accordance with

DNV rules for classification – Ships
DNV-OS-B101 – Metallic materials
DNV class programme – DNV-CP-0243 Rolled steel products – non stainless steel

and the following particulars:

Application area	Normal strength steel, High strength steel
Products	Structural sections,
Manufacturing method	Electric arc furnace, continuous casting
Max. thickness	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 classed object shall fulfill the material requirements in the applicable DNV class rules.

Issued at **Hamburg** on **2023-07-31**

for **DNV**

This Certificate is valid until **2026-06-30**.

DNV local unit: **Essen**

Approval Engineer: **Stefan Röhr**

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 ³⁾	Product	Steel making ¹⁾	Fine grain elements	Max. thickness [mm]	Heat treatment condition ²⁾	Z-quality
NV A NV B NV D	Section	EAF, CC	Al+V	50	AR	-
					N	-
			Al+Nb+V		NR	-
					TM	-
NV E	Section	EAF, CC	Al+V	50	N	-
					NR	-
			Al+Nb+V		TM	-

High strength steel

Grade ³⁾	Product	Steel making ¹⁾	Fine grain elements	Max. thickness [mm]	Heat treatment condition ²⁾	Z-quality
NV A32 NV D32 NV A36 NV D36	Section	EAF, CC	Al+V	50	AR	-
					N	-
			Al+Nb+V		NR	-
					TM	-
NV E32 NV E36	Section	EAF, CC	Al+V	50	N	-
					NR	-
			Al+Nb+V		TM	-

Remarks:

- 1) EAF: Electric arc furnace
CC: Continuous casting
- 2) AR: As rolled
NR: Normalising rolling
TM: Thermo-mechanical rolling
N: Normalised
- 3) Incl. equivalent grades in acc. to other standards, e.g. EN10025-2, -3, -4 and EN10225