

# APPROVAL OF MANUFACTURER CERTIFICATE

Certificate no.:  
**AMMM00002Z8**  
Revision No:  
**1**

## This is to certify:

that

**Saarschmiede GmbH Freiformschmiede**  
**Bismarckstraße 57-59,**  
**66333 Völklingen,**  
**Germany**

is an approved manufacturer of  
**Steelmaking**

in accordance with

**DNV rules for classification – Ships**  
**DNV class programme – DNV-CP-0242 Semi-finished steel products**

and the following particulars:

<b>Application area</b>	<b>Steelmaking</b>
<b>Products</b>	<b>Semi-finished products for rolling stock</b>
<b>Steel type</b>	<b>Hull structural steel</b>
	<b>Non-magnetizable steels</b>
<b>Manufacturing method</b>	<b>Electric arc furnace/ingot casting</b>
<b>Deoxidation</b>	<b>Killed</b>
<b>Max weight [kg]</b>	<b>See page 2</b>
<b>Heat treatment condition</b>	<b>As cast</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 **2025-09-18**

This Certificate is valid until **2028-06-23**.

DNV local unit: **Augsburg**

Approval Engineer: **Stefan Röhr**



for **DNV**

This document has been digitally signed and will  
therefore not have handwritten signature

Christian Wildhagen

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 USD 300 000.

## Particulars of the approval

### Semi-finished products for rolling stock

Steel grade <sup>3)</sup>	Product <sup>4)</sup>	Steel making <sup>1)</sup>	Max. weight [kg]	Heat treatment condition <sup>2)</sup>
Hull structural steel <sup>3)</sup>	Ingot	EAF, IC	120 000	AC, AF
	Billet, Slab, Bloom	EAF, IC	65 000	AC, AF
Non-magnetizable austenitic stainless steel grade 1.3964 acc. to SEW 390 and WL1.3964	Ingot	EAF, VOD, IC, ESR	120 000	AC, AF
	Billet, Slab, Bloom	EAF, VOD, IC, ESR	35 000	AC, AF
	Ingot	EAF, VOD, IC <sup>5)</sup>	120 000	AC, AF
	Billet, Slab, Bloom	EAF, VOD, IC <sup>5)</sup>	35 000	AC, AF

#### Remarks:

- 1) EAF: Electric Arc Furnace  
IC: Ingot Casting
- 2) AC: As cast; AF: As forged
- 3) Including normal, high and extra high strength steel and equivalent structural steel grades to other standards
- 4) Max. dimensions of forged semi-finished products  
Height: min. 200 mm, max. 1000 mm  
Width: min 2 00mm, max. 2000 mm  
Length acc. to fabrication, max weight 35 000 kg
- 5) **DNV acceptance tests on final rolled products shall be submitted for review and approval within first application**