



# APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:  
**AMMM0000311**

This is to certify:

That

**AMAG casting GmbH**  
Lamprechtshausenerstr. 61, Ranshofen,  
Austria

is an approved manufacturer of  
**Aluminium Alloy Castings**

in accordance with

**DNV rules for classification – Ships**  
**DNV class programme – DNV-CP-0250 Aluminium alloy castings**

and the following particulars:

<b>Application area</b>	<b>Semi-finished products</b>
<b>Alloys</b>	<b>See page 2</b>
<b>Manufacturing method</b>	<b>Continuous casting</b>
<b>Max. wall thickness</b>	<b>See page 2</b>
<b>Heat treatment condition</b>	<b>See page 2</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 **2023-02-20**

for **DNV**

This Certificate is valid until **2026-02-19**.

DNV local unit: **Augsburg**

Approval Engineer: **Christian Wildhagen**

**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.



Form code: AM 311

Revision: 2022-12

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Page 1 of 2

## Particulars of the approval

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### Semi-finished products: billets for subsequent processing into wrought aluminium alloys

Grade	Product	Max. thickness [mm]	Heat treatment condition
AlMg (5000er series)	Slab	570	Homogenization
AlMn (3000er series)			As cast
AlSi (4000er series)			
AlSi (40245)			