

APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM00003A1

This is to certify:

That

Leichtmetall Aluminium Giesserei Hannover GmbH
Göttinger Chaussee 12-14, 30453 Hannover,
Germany

is an approved manufacturer of
Wrought Aluminium and Aluminium Alloys

in accordance with
DNV rules for classification – Ships
DNV class programme – DNV-CP-0248 Wrought aluminium alloys

and the following particulars:

Application area	Wrought Aluminium Alloys
Product	Semi-finished products: billets
Manufacturing method	Continuous casting
Max. section/wall 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 **2025-04-24**

This Certificate is valid until **2028-04-23**.

DNV local unit: **Hamburg – CMC North/East**

Approval Engineer: **Christian Wildhagen**



for **DNV**

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

Martin Wenning

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

Semi-finished products: billets

Grade ¹⁾³⁾	Manufacturing process	Max. section / wall thickness [mm]	Heat treatment condition
AlCu alloys (2000 series)	Billet	1080	Homogenization
AlMg alloys (5000 series)	Billet	1080	Homogenization
AlMgSi alloys (6000 series)	Billet	1080	Homogenization
AlZn alloys (7000 series)	Billet	1080	Homogenization