APPROVAL OF MANUFACTURER CERTIFICATE

Certificate no.:
AMMM00000XE
Revision No:
3

This is to certify:

that

WESO-Aurorahütte GmbH
Aurorahütte 1, 35075 Gladenbach,
Germany

is an approved manufacturer of
Iron Castings

in accordance with

DNV rules for classification – Ships
DNV class programme – DNV-CP-0249 Iron castings

and the following particulars:

Iron type	**Grey cast iron**
Casting method	**Sand casting**
Max. weight	**180 kg**
Max. wall thickness	**300 mm**
Heat treatment condition	**As cast**

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 **2025-09-02**

This Certificate is valid until **2028-09-06**.
DNV local unit: **Essen**

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 USD 300 000.

Particulars of the approval

Cast iron

Iron type	Grade [3]	Casting method [1]	Max. weight [kg]	Max. wall thickness [mm]	Heat treatment condition [2]
Grey cast iron	EN-GJL-200 acc. to EN 1561	SC	180	300	AC
	EN-GJL-250 acc. to EN 1561	SC	180	300	AC

Remarks:
1) SC: Sand casting
2) AC: As cast
3) Incl. equivalent grades in acc. to other standards