



APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM00002ED
Revision No:
1

This is to certify:

That

Giesserei Hegi AG
Emmentalstraße 12, 3414 Oberburg,
Switzerland

is an approved manufacturer of
Iron Castings

in accordance with
DNV GL rules for classification – Ships

and the following particulars:

Iron type	Grey cast iron, Nodular cast iron
Casting method	Sand casting
Max. weight	2 000 kg
Max. wall thickness	See page 2
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 **2021-12-23**

for **DNV**

This Certificate is valid until **2024-12-31**.

DNV local station: **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.



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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	EN-GJL-150 acc. EN 1561	SC	180	150	AC
	EN-GJL-200 acc. EN 1561	SC	300	150	AC
	EN-GJL-250 acc. EN 1561	SC	800	150	AC
	EN-GJL-300 acc. EN 1561	SC	2 000	150	AC
Nodular	EN-GJS-350-22 acc. EN 1563	SC	2 000	150	AC
	EN-GJS-350-22-LT acc. EN 1563	SC	2 000	150	AC
	EN-GJS-350-22-RT acc. EN 1563	SC	2 000	150	AC
	EN-GJS-400-18 acc. EN 1563	SC	2 000	150	AC
	EN-GJS-400-18-LT acc. EN 1563	SC	2 000	150	AC
	EN-GJS-400-18-RT acc. EN 1563	SC	2 000	150	AC
	EN-GJS-400-15 acc. EN 1563	SC	2 000	150	AC
	EN-GJS-450-10 acc. EN 1563	SC	2 000	150	AC
	EN-GJS-500-7 acc. EN 1563	SC	2 000	150	AC
	EN-GJS-600-3 acc. EN 1563	SC	2 000	150	AC
	EN-GJS-700-2 acc. EN 1563	SC	2 000	150	AC
	EN-GJS-800-2 acc. EN 1563	SC	2 000	150	AC
	VL-NCI-1	SC	2 000	150	AC
	VL-NCI-2	SC	2 000	150	AC
	VL NCI 370	SC	2 000	150	AC
	VL NCI 400	SC	2 000	150	AC
	VL NCI 500	SC	2 000	150	AC
	VL NCI 600	SC	2 000	150	AC
	VL NCI 700	SC	2 000	150	AC
	VL NCI 800	SC	2 000	150	AC

Remarks:

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