

APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM0000320

This is to certify:

That

HegerFerrit GmbH
Junkers-Straße 4, 67681 Sembach,
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, Nodular cast iron
Casting method	Sand casting
Max. weight	See page 2
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 **2023-05-23**

for **DNV**

This Certificate is valid until **2026-05-22**.

DNV local unit: **Augsburg**

Approval Engineer: **Andreas Koch**

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.



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	200	SC	32 000	250	AC
	250	SC	32 000	250	AC
	EN GJL 200 acc. EN 1561	SC	32 000	250	AC
	EN GJL 250 acc. EN 1561	SC	32 000	250	AC
Nodular	NV NCI-1	SC	32 000	250	AC
	NV NCI-2	SC	32 000	250	AC
	NV NCI 370	SC	32 000	250	AC
	NV NCI 400	SC	32 000	250	AC
	NV NCI 500-7	SC	32 000	250	AC
	NV NCI 500-14	SC	32 000	250	AC
	NV NCI 600-3	SC	32 000	250	AC
	NV NCI 600-10	SC	32 000	250	AC
	NV NCI 700	SC	32 000	250	AC
	EN GJS-350-22 acc. EN 1563	SC	32 000	250	AC
	EN-GJS 400-18 acc. EN 1563	SC	32 000	250	AC
	EN GJS-400-18 LT acc. EN 1563	SC	32 000	250	AC
	EN GJS-400-18 RT acc. EN 1563	SC	32 000	250	AC
	EN GJS-400-15 acc. EN 1563	SC	32 000	250	AC
	EN GJS-450-10 acc. EN 1563	SC	32 000	250	AC
	EN GJS-500-7 acc. EN 1563	SC	32 000	250	AC
	EN GJS-500-14 acc. EN 1563	SC	32 000	250	AC
	EN GJS-600-3 acc. EN 1563	SC	32 000	250	AC
	EN GJS-600-10 acc. EN 1563	SC	32 000	250	AC
EN GJS-700-2 acc. EN 1563	SC	32 000	250	AC	

Remarks:

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