



APPROVAL OF MANUFACTURER CERTIFICATE

Certificate no.:
AMMM00001EB
Revision No:
3

This is to certify:

that

Friedrich Köster GmbH & Co. KG
25746 Heide, Friedrichswerk 1-7,
Germany

is an approved manufacturer of
Iron Castings

in accordance with

DNV rules for classification – Ships
DNV-OS-B101 – Metallic materials
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	See page 2
Additional approval conditions	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 **2026-06-03**

This Certificate is valid until **2029-05-31**.

DNV local unit: **Hamburg**

Approval Engineer: **Andreas Koch**



for **DNV**

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

Christian Wildhagen

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	GCI 200	SC	6 600	80	AC
	GCI 225	SC	6 600	80	AC
	GCI 250	SC	6 600	80	AC
	GCI 275	SC	6 600	80	AC
	GCI 300	SC	6 600	80	AC
	GCI 350	SC	6 600	80	AC
Nodular	NV NCI-1-LT	SC	6 600	80	AC / F
	NV NCI-1-RT	SC	6 600	80	AC / F
	NV NCI-2-LT	SC	6 600	80	AC / F
	NV NCI-2-RT	SC	6 600	80	AC / F
	NV NCI350-22	SC	6 600	80	AC
	NV NCI370-17	SC	6 600	80	AC
	NV NCI400-18	SC	6 600	80	AC
	NV NCI400-15	SC	6 600	80	AC
	NV NCI450-10	SC	6 600	80	AC
	NV NCI500-7	SC	6 600	80	AC
	NV NCI550-5	SC	6 600	80	AC
	NV NCI600-3	SC	6 600	80	AC

Remarks:

- ¹⁾ SC: Sand casting
- ²⁾ AC: As cast
F: Ferritizing (see special condition)
- ³⁾ Incl. equivalent grades in acc. to other standards

Special conditions:

Heat treatment to be conducted by DNV approved heat treatment workshop