



APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM00000JX
Revision No:
2

This is to certify:

That

Josef Brechmann GmbH & Co. KG
Hauptstraße 37/39, 33758 Schloß Holte-Stukenbrock,
Germany

is an approved manufacturer of
Iron Castings

in accordance with
DNV rules for classification – Ships

and the following particulars:

Iron type	Nodular cast iron
Casting method	Sand casting
Max. weight	250 kg
Max. thickness	100 mm
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 **2022-06-01**

for **DNV**

This Certificate is valid until **2025-06-30**.

DNV local station: **Magdeburg**

Approval Engineer: **Stefan Röhr**

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.



Form code: AM 311

Revision: 2021-03

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Particulars of the approval

Cast iron

Iron type	Grade ³⁾	Casting method ¹⁾	Max. weight [kg]	Max. thickness [mm]	Heat treatment condition ²⁾
Nodular	NV NCI-1	SC	250	100	F, AC
	NV NCI-2	SC	250	100	F, AC
	NV NCI 370	SC	250	100	AC
	NV NCI 400	SC	250	100	AC
	NV NCI 500	SC	250	100	AC
	NV NCI 600	SC	250	100	AC
	NV NCI 700	SC	250	100	AC
	NV NCI 800	SC	250	100	AC
	EN-GJS-350-22-LT acc. EN 1563	SC	250	100	F
	EN-GJS-350-22-RT acc. EN 1563	SC	250	100	F
	EN-GJS-400-18-LT acc. EN 1563	SC	250	100	F
	EN-GJS-400-18-RT acc. EN 1563	SC	250	100	F
	EN-GJS-350-22 acc. EN 1563	SC	250	100	AC
	EN-GJS-400-18 acc. EN 1563	SC	250	100	AC
	EN-GJS-400-15 acc. EN 1563	SC	250	100	AC
	EN-GJS-500-7 acc. EN 1563	SC	250	100	AC
	EN-GJS-600-3 acc. EN 1563	SC	250	100	AC
	EN-GJS-700-2 acc. EN 1563	SC	250	100	AC
	EN-GJS-800-2 acc. EN 1563	SC	250	100	AC

Remarks:

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