

APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM00000JX
Revision No:
1

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 GL rules for classification – Ships

and the following particulars:

Iron type	Nodular cast iron
Casting method	Sand casting
Max. weight	250 kg
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 GL classed object shall fulfill the material requirements in the applicable DNV GL class rules.

Issued at **Hamburg** on **2019-07-18**

for **DNV GL**

This Certificate is valid until **2022-06-30**.

DNV GL local station: **Magdeburg**

Approval Engineer: **Christian Wildhagen**

Thorsten Lohmann
Head of Section



Job Id: **263.11-003336-3**
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Particulars of the approval

Cast iron

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

Remarks:

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