



# APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:  
**AMMM00001D5**  
Revision No:  
**2**

This is to certify:

That  
**Jürgens Gießerei GmbH & Co. KG**  
Lönsstrasse 15, 48282 Emsdetten,  
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:

<b>Iron type</b>	<b>Grey cast iron, Nodular cast iron</b>
<b>Casting method</b>	<b>Sand casting</b>
<b>Max. weight</b>	<b>1 500 kg</b>
<b>Max. wall thickness</b>	<b>See page 2</b>
<b>Heat treatment condition</b>	<b>See page 2</b>

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 **2023-04-19**

for **DNV**

This Certificate is valid until **2026-05-10**.

DNV local unit: **Essen**

Approval Engineer: **Andreas Koch**

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**Thorsten Lohmann**  
**Head of Section**

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Form code: AM 311

Revision: 2022-12

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## Particulars of the approval

### Cast iron

Iron type	Grade <sup>3)</sup>	Casting method <sup>1)</sup>	Max. weight [kg]	Max. wall thickness [mm]	Heat treatment condition <sup>2)</sup>
Grey	200	SC	1 500	150	AC
	250				
	300				
	350				
Nodular	NV NCI-1	SC	1 500	150	F, AC
	NV NCI-2				
	NV NCI 370				
	NV NCI 400				
	NV NCI 500-7				
	NV NCI 600-3				
	NV NCI 700				
	NV NCI 800				

#### Remarks:

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