



# APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:  
**AMMM000005V**  
Revision No:  
**2**

This is to certify:

That

**HegerGuss GmbH**

**Donnersbergstr. 48, 67677 Enkenbach-Alsenborn, Germany**

is an approved manufacturer of  
**Iron Castings**

in accordance with

**DNV GL rules for classification – Ships**

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>See page 2</b>
<b>Max. wall thickness</b>	<b>See page 2</b>
<b>Heat treatment condition</b>	<b>As cast, Ferritizing, See page 2</b>
<b>Additional approval conditions</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 **2021-07-28**

for **DNV**

This Certificate is valid until **2024-06-30**.

DNV local station: **Augsburg**

Approval Engineer: **Torben Schälicke**

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

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Form code: AM 311

Revision: 2021-03

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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. section / wall thickness [mm]	Heat treatment condition <sup>2)</sup>
Grey	200	SC	20 000	200	AC
	250	SC	20 000	200	AC
Nodular	VL NCI 370	SC	20 000	200	AC
	VL NCI 400	SC	20 000	200	AC
	VL NCI 500	SC	20 000	200	AC
	VL NCI 600	SC	20 000	200	AC
	VL NCI 700	SC	20 000	200	AC
	VL NCI 800	SC	20 000	200	AC
	EN-GJS-350-22-RT acc. EN 1563	SC	20 000	200	AC
	EN-GJS-400-18-RT acc. EN 1563	SC	20 000	200	AC

#### Remarks:

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