



# APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:  
**AMMM00001K8**  
Revision No:  
**3**

This is to certify:

That

**Kemptener Eisengießerei Adam Hönig AG**  
**Adam-Hönig-Str 1, 87435 Kempten (Allgäu),**  
**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>10 000 kg</b>
<b>Heat treatment condition</b>	<b>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 **2023-08-17**

This Certificate is valid until **2026-08-31**.

DNV local unit: **Augsburg**

Approval Engineer: **Christian Wildhagen**



for **DNV**

Digitally Signed By: **Wenning, Martin**

Location: **DNV Hamburg, Germany**

Signing Date: **17.08.2023**, on behalf of

**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: 2022-12

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## Particulars of the approval

### Cast iron

Iron type	Grade	Casting method <sup>1)</sup>	Max. weight [kg]	Heat treatment condition <sup>2)</sup>
Grey	200	SC	10 000	AC
	250			
	300			
	EN-GJL-200 acc. EN 1561			
	EN-GJL-250 acc. EN 1561			
	EN-GJL-300 acc. EN 1561			
Nodular	NV NCI-2	SC	10 000	AC / F
	NV NCI370			
	NV NCI400			
	NV NCI500-7			
	NV NCI600-3			
	NV NCI700			
	NV NCI800			
	EN-GJS-400-15 acc. EN 1563			
	EN-GJS-400-18LT acc. EN 1563			
	EN-GJS-400-18RT acc. EN 1563			
	EN-GJS-500-7 acc. EN 1563			
	EN-GJS-600-3 acc. EN 1563			
	EN-GJS-700-2 acc. EN 1563			
	EN-GJS-800-2 acc. EN 1563			

Remarks:

- 1) SC: sand casting
- 2) AC: as cast
- F: ferritized (ferritic grades)

Special conditions:

Subject to case-by-case approval, production welding permitted according DNV-approved WPS for welding with similar and non-similar base metal / consumable combinations. Prior to welding DNV is to be informed about type and location of welding.

Heat treatment subcontracted to DNV approved workshop.