



APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM0000YY
Revision No:
3

This is to certify:

That

Wolfensberger AG
Bäretswilerstrasse 45, CH-8494 Bauma,
Switzerland

is an approved manufacturer of
Iron Castings

in accordance with
DNV rules for classification – Ships

and the following particulars:

Iron type	Nodular Cast Iron Austenitic Cast Iron
Casting method	Sand casting, see page 2
Max. weight	1 000 kg
Max. wall thickness	200 mm
Heat treatment condition	As cast

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 **2022-04-21**

for **DNV**

This Certificate is valid until **2025-02-28**.

DNV local station: **Augsburg**

Approval Engineer: **Torben Schälicke**

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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.



Particulars of the approval

Cast iron

Iron type	Grade ³⁾	Casting method ¹⁾	Max. weight [kg]	Max. wall thickness [mm]	Heat treatment condition ²⁾
Nodular	NV NCI-2	SC	1 000	200	AC
	NV NCI 370	SC	1 000	200	AC
	NV NCI 400	SC	1 000	200	AC
	EN-GJS-400-15 acc. to EN 1563	SC	1 000	200	AC
	EN-GJS-400-18-LT acc. to EN 1563	SC	1 000	200	AC
Austenitic	EN-GJSA-XNiSiCr30-5-5 acc. to EN 13835	SC	1 000	200	AC
	EN-GJSA-XNi35 acc. to EN 13835	SC	1 000	200	AC

Cast iron acc. to manufacturer's spec.

Iron type	Grade ³⁾	Casting method ¹⁾	Max. weight [kg]	Max. wall thickness [mm]	Heat treatment condition ²⁾
Nodular	EN-GJSA-XSiMo4-05	SC	1 000	200	F

Remarks:

- 1) SC: Sand casting or Exacast® process
- 2) AC: As cast;
F: Ferritizing
- 3) Possible application and certification of any material to classed object is subject to case by case approval