



# APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:  
**AMMM000004E**  
Revision No:  
**2**

This is to certify:

That

**DURITCAST, S.A.**

**Rua Vale do Salgueiró, 1044, Raso do Salgueiró – ZI EN1 Norte,  
3750-753 Travassô AGUEDA,  
Portugal**

is an approved manufacturer of  
**Iron Castings**

in accordance with  
**DNV 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>2 000 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 **2022-06-08**

for **DNV**

This Certificate is valid until **2025-06-30**.

DNV local station: **Lisbon FIS**

Approval Engineer: **Andreas Koch**

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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 <sup>3)</sup>	Casting method <sup>1)</sup>	Max. weight [kg]	Heat treatment condition <sup>2)</sup>
Grey	200	SC	2 000	AC
	250	SC	2 000	AC
	300	SC	2 000	AC
	350	SC	2 000	AC
Nodular	NV NCI 370	SC	2 000	AC
	NV NCI 400	SC	2 000	AC
	NV NCI 500	SC	2 000	AC
	NV NCI 600	SC	2 000	AC
	NV NCI 700	SC	2 000	AC
	NV NCI 800	SC	2 000	AC
	NV NCI 700	SC	2 000	AC
	NV NCI 800	SC	2 000	AC

Remarks:

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