



APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM00002VW
Revision No:
1

This is to certify:

That

Kutes Metal Sanayi ve Ticater A.S.
Hatip Mahallesi 1712 Sokak No:6, Çorlu,
Turkey

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:

Iron type	Grey cast iron, Nodular cast iron
Casting method	Sand casting
Max. weight	See page 2
Max. wall thickness	See page 2
Heat treatment condition	See page 2

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 **2024-09-13**

This Certificate is valid until **2027-07-11**.

DNV local unit: **Istanbul**

Approval Engineer: **Andrzej Otrebski**



for **DNV**

This document has been digitally signed and will
therefore not have handwritten signature

Stefan Röhr

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 ³⁾	Casting method ¹⁾	Max. weight [kg]	Max. wall thickness [mm]	Heat treatment condition ²⁾
Grey	EN-GJL-200 acc. EN 1561	SC	200	100	AC, SR
	EN-GJL-250 acc. EN 1561	SC	200	100	AC, SR
	EN-GJL-300 acc. EN 1561	SC	200	100	AC, SR
Nodular	NV NCI-2	SC	200	100	AC, F
	NV NCI 400	SC	200	100	AC, F
	EN-GJS-400-18-LT acc. EN 1563	SC	200	100	AC, F
	EN-GJS-400-18-RT acc. EN 1563	SC	200	100	AC, F
	EN-GJS-400-15 acc. EN 1563	SC	200	100	AC, F
	EN-GJS-400-18 acc. EN 1563	SC	200	100	AC, F

Remarks:

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