



# APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:  
**AMMM00002VW**

This is to certify:

That

**KUTES METAL SANAYI VE TICARET A.S.**  
Hatip Mahallesi 1712 Sokak No:6, ÇORLU,  
Turkey

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>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 **2021-07-12**

for **DNV**

This Certificate is valid until **2024-07-11**.

DNV local station: **Istanbul**

Approval Engineer: **Christian Wildhagen**

**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: 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. wall thickness [mm]	Heat treatment condition <sup>2)</sup>
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	VL NCI-2	SC	200	100	AC/F
	VL 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