



APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM00001TW
Revision No:
2

This is to certify:

That

Husteel Co., Ltd.
131 Bugokgongdan Street, Songak-eup, Dangjin-si,
Republic of Korea

is an approved manufacturer of
Steel Pipes and Fittings

in accordance with

DNV rules for classification – Ships
DNV class programme – DNV-CP-0252 Steel pipes and steel pipe fittings

and the following particulars:

Product	Pipes
Application area	Pipes for pressure systems, Boiler and superheater tubes
Steel type(s)	Carbon and carbon-manganese
Manufacturing method	Welded
Max. outer diameter	323.9 mm
Max. wall thickness	15 mm

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 **2023-11-21**

for **DNV**

This Certificate is valid until **2026-12-31**.

DNV local unit: **Seoul**

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.



Particulars of the approval

Pipes for pressure systems

Steel type /grade ²⁾	Manufacturing method ¹⁾	Max. outer diameter [mm]	Max. wall thickness [mm]	Heat treatment condition
C and C-Mn	ERW	323.9	15	acc. to standard

Boiler and superheater tubes

Steel type /grade ³⁾	Manufacturing method ¹⁾	Max. outer diameter [mm]	Max. wall thickness [mm]	Heat treatment condition
C and C-Mn	ERW	323.9	15	acc. to standard

Remarks:

- 1) ERW: Electric resistance welded
- 2) Suitable pipe grades shall be selected from the following recognized standards:
 ISO 9329 Parts 1 and 2, ISO 9330 Parts 1 and 2, EN 10216 Parts 1 to 3, EN 10217 Parts 1 to 3, EN 10305 Part 1 and 2, ASTM A53, ASTM A106, ASTM A135, ASTM A335, JIS G3454, JIS G3455, JIS G3456 or JIS G3458
- 3) Suitable pipe grades shall be selected from the following recognized standards:
 ISO 9329 Part 2, ISO 9330 Part 2, EN 10216 Part 2, EN 10217 Part 2, ASTM A178, ASTM A209, ASTM A210, ASTM A213, JIS G3461, JIS G3462 or JIS G3463 Certification of any material applied to classed object shall fulfill the applicable material requirements in the DNV GL class rules

Special conditions:

In case of heat treatment, to be conducted by DNV approved heat treatment workshop