

## APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No: AMMM00002FU Revision No: 1

This is to certify:

## That **Kyoei Steel Ltd. Yamaguchi Division** 289-18, Onoda, Sanyoonoda, Yamaguchi, 756-0817, Japan

is an approved manufacturer of Steelmaking and Rolled Steel Products

in accordance with DNV rules for classification – Ships

and the following particulars:

Application area Products Manufacturing method

Max. thickness/diameter Heat treatment condition Deoxidation Normal strength steel Sections Electric arc furnace, continuous casting See page 2 See page 2 Killed

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 2022-05-02

This Certificate is valid until **2024-12-31**. DNV local station: **Kobe** 

Approval Engineer: Stefan Röhr

for DNV

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

## Normal strength steel

| Grade | Product | Steel making <sup>1)</sup> | Max. thickness/diameter [mm] | Heat treatment condition <sup>2)</sup> |
|-------|---------|----------------------------|------------------------------|--|
| NV A  | Section | EAF, CC                    | 16                           | AR                                     |

Remarks:

- <sup>1)</sup> EAF: Electric arc furnace
  - CC: Continuous Casting
- <sup>2)</sup> AR: As rolled