



Certificate number: 11131/F0 BV

File number: MAT 29576/01

Product code: 9006I

This certificate is not valid when presented without the full attached schedule composed of 7 sections

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APPROVAL CERTIFICATE for MATERIALS

This certificate is issued to

KYOEI STEEL LTD. Yamaguchi Division
Sanyo onoda - JAPAN

for the type of product

NORMAL STRENGTH HULL STEEL ROLLED PRODUCTS

Flat bars - Steelgrade A

Requirements:

Bureau Veritas Rules on Materials and Welding for the Classification of Marine Units

This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.

This certificate is a renewal of certificate N° 11131/E0 BV expiring on 19/06/2026

This certificate will expire on: 19 Jun 2031

For Bureau Veritas Marine & Offshore,

At BV KOBE, on 05 Jun 2026,

Shinichi Takemoto

This certificate was created electronically and is valid without signature



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION :

Hot rolled flat bars made of steel grade A delivered As Rolled (AR).
Maximum width 150mm and maximum thickness 16mm.
Steelmaking by Electric Arc Furnace, Slabs making by continuous casting, Flat bars making by Hot Rolling.

2. DOCUMENTS AND DRAWINGS :

2.1 - Document issued by Kyoei Steel Company Limited Yamaguchi Division
- "TEST REPORTS AND INFORMATION FOR APPROVAL" dated 25 July 2000, updated on 25 May 2016.

3. TEST REPORTS :

3.1 - Document issued by Kyoei Steel Company Limited Yamaguchi Division
- "TEST REPORTS AND INFORMATION FOR APPROVAL" dated 25 July 2000.

4. APPLICATION / LIMITATION :

4.1 - As per Bureau Veritas Rules on Materials and Welding for the Classification of Marine Units.

5. PRODUCTION SURVEY REQUIREMENTS :

5.1 - The steel flat bars are to be supplied by Kyoei Steel Ltd. Yamaguchi Division in compliance with the type and the requirements described in this certificate.
5.2 - This type of product is within the category IBV of Bureau Veritas Rule Note NR320.
5.3 - BV product certificate is required.
5.4 - Kyoei Steel Ltd. Yamaguchi Division has to make the necessary arrangements to have its works recognized by Bureau Veritas in compliance with the requirements of NR320.
5.5 - For information, Kyoei Steel Ltd. Yamaguchi Division has declared to Bureau Veritas the following production site:

Kyoei Steel Ltd. Yamaguchi Division
6289-18, Onoda,
756-0817 Sanyo Onoda,
JAPAN

6. MARKING OF PRODUCT :

6.1 - Each steel flat bar that has been tested with satisfactory results are to be marked with the following information:

- Manufacturer's name or trademark
- Bureau Veritas' Mark
- Identification marking enabling traceability, such as cast number, heat number, or batch number
- Material grade and classification
- Additional markings where applicable, such as test pressure or specific inspection references

Additional marking requirements specific to steel flat bars shall be in accordance with the "Marking" article in the relevant section of Bureau Veritas NR216 Rules on Materials and Welding for the Classification of Marine Units.

7. OTHERS :

7.1 - It is Kyoei Steel Ltd. Yamaguchi Division's responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.
7.2 - This certificate supersedes the Type Approval Certificate N° 11131/E0 BV issued by the Society.

*** END OF CERTIFICATE ***