



Marine & Offshore

Certificate number: 22308/D0 BV

File number: MAT 76883 - 2009

Product code: 90071

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

Tung Ho Steel Enterprise Corporation - Kaohsiung Works
 KAOHSIUNG - TAIWAN

for the type of product

HIGHER STRENGTH HULL STEEL ROLLED PRODUCTS

Hot rolled sections made of steel grade AH32 and AH36

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 will expire on: 17 Mar 2030

For Bureau Veritas Marine & Offshore,

At BV TAIPEI, on 17 Mar 2025,

Algernon CHEN

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 sections.

Steel grade	Deoxydation practice & Refining	Delivery conditions
AH32-AH36	Si-Killed	Controlled Rolled (CR) with maximum thickness up to 18mm

No steelmaking. Sections are rolled from slabs, blooms or billets.

2. DOCUMENTS AND DRAWINGS :

2.1 - Document issued by Tung Ho Steel Enterprise Corp - Kaohsiung Works.

- "General information for Tung Ho Steel Enterprise Corp. Kaohsiung Works" version 1.2 dated 20/08/2024.

3. TEST REPORTS :

3.1 - Document issued by Tung Ho Steel Enterprise Corp - Kaohsiung Works.

- "Report of the approval test high strength hull structural steel shapes - Grade : AH36&A" dated 9 September 2009.

4. APPLICATION / LIMITATION :

As per Bureau Veritas Rules for Classification.

Semi-finished products used for the manufacture of the sections are to be supplied by Tung Ho Steel Enterprise Corp -Miaoli Works or Bureau Veritas approved steelmaker.

5. PRODUCTION SURVEY REQUIREMENTS :

5.1 - The steel sections are to be supplied by Tung Ho Steel Enterprise Corp - Kaohsiung Works 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 - For information, Tung Ho Steel Enterprise Corp - Kaohsiung Works has declared to Bureau Veritas the following production site:

Tung Ho Steel Enterprise Corporation - Kaohsiung Works

No. 8, Jiaying Street,
Xiaogang District,
81257 KAOHSIUNG
TAIWAN

6. MARKING OF PRODUCT :

As per Bureau Veritas Rules for Classification.

7. OTHERS :

7.1 - It is Tung Ho Steel Enterprise Corporation - Kaohsiung Works'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° 22308/C0 BV issued by the Society.

*** END OF CERTIFICATE ***