



Marine & Offshore

Certificate number: 64812/A1 BV

File number: MAT 53487-2021

Product code: 2003I

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

GIEMINOX TECTUBI RACCORDI SRL
SCHIO (VI) - ITALY

for the type of product

WELDED PIPES AND FITTINGS

Longitudinally welded pipes in C-Mn, Duplex, Austenitic and Nickel steels

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: 11 May 2026

For Bureau Veritas Marine & Offshore,

At BV VENEZIA, on 26 Jul 2022,

Sandro BRUSEGAN

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 :

Longitudinally welded pipes in carbon, carbon-manganese steel.

| Steel grade | Maximum diameter | Maximum wall thickness | Welding process | Delivery condition |
|---|------------------|------------------------|-----------------------------|--------------------|
| C and C-Mn steels Typical tested grades: ASTM A671 grades CC60 and CC70 ASTM A516 GR60 | 1524mm | 13mm | Submerged Arc Welding (SAW) | As welded |
| | 914mm | 32mm | GMAW + SAW | Stress relieved |
| Nickel steel Typical tested grade: UNS N06625 | 610mm | 35mm | Submerged Arc Welding (SAW) | Annealed |
| Duplexsteel Typical tested grade: UNS S31803 | 915mm | 50mm | Submerged Arc Welding (SAW) | Solution annealed |
| Austenitic steel Typical tested grades: 304/304L 347/347H | 407mm | 10mm | PAW + GTAW | Solution annealed |
| | 720mm | 55mm | Submerged Arc Welding (SAW) | |

Pipes made from steel plate. Plates are cold formed and longitudinally welded.

2. DOCUMENTS AND DRAWINGS :

2.1 - Documents issued by Gieminox Tectubi Raccordi SRL:

- "Technical documentation for BV approval" dated April 2021.
- "Technical documentation for BV approval extent" dated June 2022.
- "NDT documentation" dated June 2022.

3. TEST REPORTS :

3.1 - Documents issued by Gieminox Tectubi Raccordi SRL:

- "Test report" dated 25/01/2021.
- Test reports ref. No 122_13 dated 26/11/2013, 101_13 dated 29/11/2013, 39_15 dated 30/03/2015, 90_13 dated 30/09/2013, 37437, 37438 dated 03/02/2021, 37447, 37488 dated 16/02/2021, 37633 dated 16/04/2021, 38677, 38678 dated 15/04/2022.

4. APPLICATION / LIMITATION :

As per Bureau Veritas Rules for Classification.

Steel plate used for the manufacture of the pipes are to be with work's certificate as a minimum.

5. PRODUCTION SURVEY REQUIREMENTS :

5.1-The steel pipes are to be supplied by Gieminox Tectubi Raccordi SRL 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.

6. MARKING OF PRODUCT :

As per Bureau Veritas Rules for Classification.

7. OTHERS :

This certificate replaces approval No.64812/A0 BV.

***** END OF CERTIFICATE *****