



## Confirmation of Product Type Approval

**Company Name:** ISOTUBI SL

**Address:** C/ MECANICA 6CASTELLBISBAL,B-59806794 08755 Spain

**Product:** Piping System and Couplings

**Model(s):** NUMEPRESS stainless steel pipes and associated couplings / fittings

<b>Certificate Type</b>	<b>Certificate Number</b>	<b>Issue Date</b>	<b>Expiry Date</b>
Product Design Assessment (PDA)	20-2061232-PDA	20-NOV-2020	19-NOV-2025
Manufacturing Assessment (MA)	19-MD3754634	05-NOV-2019	12-NOV-2024
Product Quality Assurance (PQA)	NA	NA	NA

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### **Intended Service**

Pipes with associated couplings on Marine and Offshore Installations.

### **Description**

Stainless steel welded pipes connected with press-type couplings incorporating o'ring seals / gaskets.

### **Ratings**

Design Pressure 16 bar.

Design Temperature Range: 0 deg C to +120 deg C.

The material specification and the scantlings of the pipes are included in the attachment of the certificate.

The material specification, the scantlings and the type of the pipe couplings / fittings are included in the attachment of the certificate.

### **Service Restrictions**

1. Unit Certification is not required for this product. If the manufacturer or purchaser requests an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.
2. The pipes and associated pipe couplings and fittings may be used in Class III service air (non-essential), sanitary, steam and condensate piping systems.
3. The pipes and associated pipe couplings of sizes between 15 mm and 88.9 mm may be used in fire main, water spray and sprinkler systems, provided the pipe couplings are fitted in accessible locations at all times under normal condition.

4. The pipes and associated pipe couplings and fittings are not to be used for suction lines.

### Comments

1. The manufacturer has provided a declaration about the control of, or lack of asbestos in this product.
2. The approval is only valid when the couplings are assembled with tubing of correct temper and tolerances as recommended by the manufacturer.
3. Piping with mechanical joints is to be adequately adjusted, aligned and supported. Supports or hangers are not to be used to force alignment of piping at the point of connection, as per 4-6-2/5.9.1(j) of the Marine Vessels Rules.
4. The installation of mechanical joints is to be in accordance with the manufacturer's assembly instructions. Special tools and gauges required for installation of the joints are to be specified and supplied (as necessary) by the manufacturer, as per 4-6-2/5.9.1(n) of the Marine Vessels Rules.
5. Pipe penetrations through watertight or fire tight or gas tight boundaries shall be approved in each separate case.
6. The application and installation of the pipes and associated couplings / fittings are to be in accordance with the manufacturer's specifications and instructions and are to be specifically approved in connection with the relevant piping system.

### Notes, Drawings and Documentation

1. Product catalogue of stainless steel tubes and fittings (revision 16), catalogue of Numepress-Sch fittings / couplings.
2. Drawing "COTAS-NUMEPRESS-Y-SCH".
3. Quality plans nos. PC-A01 Rev. 3, PC-TT16 Rev. 3 and PC-TT17 Rev. 3.
4. ABS Valencia Survey Report no. VN2579073 dated 02 June 2014 (for burst, vibration and pressure pulsation tests of couplings).
5. ABS Hamburg Survey Report no. HG2928221 dated 02 July 2015 and Messrs Dr.-Ing. T. Baumer GmbH test reports nos. IBB 1404, IBB 1406, IBB 1408, IBB 1410, IBB 1412 and IBB 1414 dated 02 July 2015 (for fire endurance tests of couplings).
6. DNV test reports dated 02-12-2009 (for burst, vibration and pressure pulsation tests of couplings and testing of pipes).
7. BOSE test report no. 24446.09 (for pull out test of couplings) and 25436.09 (for testing of pipes).
8. ATISAE test reports of couplings nos. 2006/B0015/01 Rev. 1, 2006/B0015/02 Rev. 1, 2006/B0015/03 Rev. 1, BA-MEN080007/1 Rev. 0, BA-MEN080007/2 Rev. 0, BA-MEN080007/3 Rev. 0, BA-MEN080007/4 Rev. 0, BA-MEN080007/5 Rev. 0, BA-MEN080007/6 Rev. 0, BA-MEN080007/7 Rev. 0, BA-MEN-080012/1 Rev. 0, BA-MEN-080012/N1 Rev. 0, BA-MEN-080012/2 Rev. 0.
9. Test reports of vacuum tests for the couplings, in accordance with 4-6-2/5.9.2(e)(v)7 of the Steel Vessels Rules, have not been submitted.

### Term of Validity

This Product Design Assessment (PDA) Certificate remains valid until 19/Nov/2025 or until the Rules and/or Standards used in the assessment are revised or until there is a design modification warranting design reassessment (whichever occurs first).

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or previous to the effective date of the ABS Rules and standards applied at the time

of PDA issuance. Use of the Product for non-ABS units is subject to agreement between the manufacturer and intended client.

**ABS Rules**

-Marine Vessel Rules (2020): 1-1-4/7.7, 1-1-A3 and 4, 4-6-1/5/7.1.2/7.5.2, 4-6-2/3.3/5.9  
-Mobile Offshore Units (2020): 1-1-4/9.7, 1-1-A2 and 3, 4-2-2/5.3

**International Standards**

EN 10312:2007  
EN 10217-7:2005  
ISO 19921:2005  
ISO 19922:2005.

**EU-MED Standards**

NA

**National Standards**

NA

**Government Standards**

NA

**Other Standards**

IACS Unified Requirements P2.7.4 (Rev.8), P2.11 (Rev.3)



A handwritten signature in black ink, appearing to read 'James J. White', is written over the printed name and title.

Corporate ABS Programs  
American Bureau of Shipping  
Print Date and Time: 09-Dec-2020 5:23

ABS has used due diligence in the preparation of this certificate, and it represents the information on the product in the ABS Records as of the date and time the certificate is printed.

If the Rules and/or standards used in the PDA evaluation are revised or if there is a design modification (whichever occurs first), a PDA revalidation may be necessary.

The continued validity of the MA is dependent on completion of satisfactory audits as required by the ABS Rules. The validity of both PDA and MA entitles the product to receive a **Confirmation of Product Type Approval**.

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or prior to the effective date of the ABS Rules and standards applied at the time of PDA issuance. ABS makes no representations regarding Type Approval of the Product for use on vessels, MODUs or facilities built after the date of the ABS Rules used for this evaluation.

Type Approval requires Drawing Assessment, Prototype Testing and assessment of the manufacturer's quality assurance and quality control arrangements. The manufacturer is responsible to maintain compliance with all specifications applicable to the product design assessment. Unless specifically indicated in the description of the product, certification under type approval does not waive requirements for witnessed inspection or additional survey for product use on a vessel, MODU or facility intended to be ABS classed or that is presently in class with ABS.

Due to wide variety of specifications used in the products ABS has evaluated for Type Approval, it is part of our contract that; whether the standard is an ABS Rule or a non-ABS Rule, the Client has full responsibility for continued compliance with the standard.

Questions regarding the validity of ABS Rules or the need for supplemental testing or inspection of such products should, in all cases, be addressed to ABS.