TYPE APPROVAL DATABASE

Company Name Details

Company Information	Additional Company / Plant Detail	Confirmation of Type Approval
ZHEJIANG XINTONGDA SPECIAL STEEL MANUFACTURING CO.,LTD. NO. 209 RUIYANG AVENUE, XIPING STREET, SONGYANG COUNTY LISHUI 323400 China Tel +86-13566250142 Fax Email: 344716966@qq.com Website: www.xtd-SS.com		This product doesn't have a Confirmation of Type Approval.

Certificate Number	Category	Expiry Date

Product	Pipe, Stainless Steel
Model	ASTM A312 TP304L, TP316L, TP310S, with O.D. 323.9 X W.T. 12.7 mm, O.D. 168.3 X W.T. 7.11 mm, O.D. 10 X W.T. 1.0 mm; ASTM A790 S32205, S32750, with O.D. 323.9 X W.T. 12.7 mm, O.D. 168.3 X W.T. 7.11 mm, O.D. 10 X W.T. 1.0 mm
Endorsements	
Tier	5 - Unit Certification Required
Intended Service	Marine and Offshore Applications - Processing Piping Only.
Description	Standard/Grade: A312TP304/304L & TP316/316L, A790, S31803/S32205, S32750 Manufacturing Process: Cold Drawing and Cold Rolling Delivery Condition: Solution Treated

Ratings	For Duplex Stainless Steels: Outer Diameter: Max. 323.9 mm, Wall Thickness: Max. 12.7 mm. Service temperature, pressure, etc. are subject to piping system design review, is not included in this PDA.
Service Restrictions	1. Unit Certification is required for this product used in Piping Class I & II except for hydraulic piping. Otherwise, Unit Certification is not required for this product. 2. Materials for Liquefied Gas Carrier are to comply with Section 5C-8-6 of the Marine Vessel Rules. Materials for vessels using Gases or other Low-Flashpoint Fuels are to comply with the applicable requirements of Section 5C-13-7 of the Marine Vessel Rules. Materials for vessels intended to carry refrigerated cargoes are to comply with the applicable requirements of Part 6, Chapter 2 of the Marine Vessel Rules. 3. Pipes are not to be used for CNG (refer to 7-1/4 of ABS Guide for Vessels Intended to Carry Compressed Natural Gases in Bulk) and structural pipes without prior notice to ABS. 4. In order to unit certify the material, the pipes/tubes are to be tested for all the applicable mechanical tests and witnessed to the satisfaction of an attending ABS Surveyor to meet the requirements of approved grades and standards/Rules. 5. If the manufacturer or purchaser request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.
Comments	1. The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product. 2. Before delivery, completed components should be descaled, pickled, and passivated in compliance with ASTM A380. 3. Each length of pipe of all grades is to be hydrostatically tested at the mill in accordance with the 2-4/9.2 of ABS Requirement for Materials and Welding of Stainless Steels. When specified by the purchaser, seamless pipe is to be subjected to a nondestructive electrical test in accordance with 2-3-12/31 of the ABS Rules for Materials and Welding (Part 2). When each pipe is hydrostatically tested as a regular procedure during the process of manufacturing, an affidavit covering this test may be accepted by the Surveyor. 4. The pipes are to be reasonably straight, free from defects, and have a workmanlike finish. At a minimum, the finished pipe is to be visually inspected at the same frequency as that required for the tension test for the applicable grade. Welding repair to the pipe is not to be carried out without the purchaser’s approval and is to be the Surveyor’s satisfaction. 5. Identification markings are to be legibly stenciled, stamped, or rolled on each pipe, except that in the case of small diameter pipe which is bundled, the required markings are to be placed on a tag securely attached to the bundle. 6. Pipes and tubes are to be inspected and tested in the presence of the Surveyor in accordance with reference Specifications. 7. This Product Design Assessment is not for piping system design review. 8. Product to be installed in accordance with Manufacturer' s Recommendations.
Notes, Drawing and Documentation	Drawing No. XTD-ABS-PDA Application Document, XTD-ABS-PDA Application Document, Revision: -, Pages: 16 Drawing No. 6867267 , Prototype Test Reports from Zhejiang Xintongda Special Steel Manufacturing Co., Ltd, dated 20250814 , Revision: -, Pages: 47

	design modification warranting design reassessment (whichever occurs first).
Term of Validity	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	1. ABS Rules for Building and Classing Marine Vessels (2026): 1A-1-4/7.7, 1A-1-A3 , 1A-1-A4, 2-3-12, 2-3-13, 4-6-1, 4-6-2 2. ABS Rules for Building and Classing Offshore Units (2026): 1B-1-4/9.7, 1B-1-A2, 1B-1-A3, 4-2-1, 4-2-2 3. ABS Requirements for Materials and Welding for Stainless Steels (2022)
National Standard	ASTM A312/A312M (2025) ASTM A790/A790M (2024)
International Standard	NA
Government Standard	NA
EUMED Standard	NA
Others Standard	NA

Model Certificate	Model Certificate #	Issue Date	Expiry Date
PDA	26-00T2545638-PDA	11-MAR-2026	10-MAR-2031