



## Confirmation of Product Type Approval

**Company Name:** FITOK INCORPORATED

**Address:** NO. 164 XINQU VILLAGE, TIANTOU COMMUNITY, SHIJING STREET, PINGSHAN DISTRICT SHENZHEN 518118 China

**Product:** Piping System, Mechanical Joint

**Model(s):** Bite Type Compression Couplings

**Endorsements:**

<b>Certificate Type</b>	<b>Certificate Number</b>	<b>Issue Date</b>	<b>Expiry Date</b>
Product Design Assessment (PDA)	20-2055014-PDA	13-NOV-2020	12-NOV-2025
Manufacturing Assessment (MA)	25-7024057	03-JUL-2025	21-JUL-2030
Product Quality Assurance (PQA)	NA	NA	NA

### **Tier**

3 - Type Approved, unit certification not required

### **Intended Service**

Tubing/piping systems for marines and offshore units.

### **Description**

Stainless steel tees, straight, 45&90 degree elbows configuration tube fittings, including unions, ports, male & female connections, reducers, caps & plugs, tube adapters, crosses.

### **Ratings**

See Attachment

### **Service Restrictions**

1. Unit Certification is not required for this product. 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.
2. For sea water piping systems in which sea water may be retained within the piping system in a stagnant or low flow condition (i.e., less than 1 m/sec), there is a potential for chloride pitting and 304 stainless steels, 316L stainless steels with a molybdenum content of less than 2.5% are not to be used for the piping or piping components as per 4-6-2/3.1.2 of MVR.
3. Mechanical joints, which in the event of damage could cause fire or flooding, are not to be used in piping sections directly connected to the vessel's side below the bulkhead deck of passenger vessels and freeboard deck of cargo vessels or tanks containing flammable fluids as per 4-6-2/5.9.1(f) of MVR.
4. Piping in which a mechanical joint is fitted 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(h) of MVR.

**Comments**

1. The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.
2. The installation of mechanical joints is to be in accordance with the manufacturer's assembly instructions. Where special tools and gauges are required for installation of the joints, these are to be supplied by the manufacturer as per 4-6-2/9.6 of MVR.

**Notes, Drawings and Documentation**

Drawing No. NA, Test Report, Revision: 0, Pages: 11, Report date: 26-Aug-2010. Report No.: GH1873860-A, FITOK INCORPORATED

Drawing No. 1, intended Services, Revision: 0, Pages: 1

Drawing No. 2, Test Procedure, Revision: 0, Pages: 9

Drawing No. 3, Pipe fitting, Revision: 0, Pages: 100

**Term of Validity**

This Product Design Assessment (PDA) Certificate remains valid until 12/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**

ABS Rules for Building and Classing Marine Vessel Rules 2020: 1-1-4/7.7, 1-1-A3, 1-1-A4, 4-6-2/5.9, 4-6-2/5.17, 4-6-2/Table 9&10&11

ABS Rules for Building and Classing Mobile Offshore Units 2020: 1-1-4/9.7, 1-1-A2, 1-1-A3, 4-2-1/11.13, 6-1-6/5.1.6

**International Standards**

NA

**EU-MED Standards**

NA

**National Standards**

NA

**Government Standards**

NA

**Other Standards**

NA



A handwritten signature in blue ink, appearing to read "Joseph W. Hill".

Corporate ABS Programs  
American Bureau of Shipping  
Print Date and Time: 31-Jul-2025 4:46

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.