Certificate No: LR2031759TA
Issue Date: 15/10/2020
Expiry Date: 14/10/2025

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

Manufacturer	**Pantech Stainless & Alloy Industries Sdn. Bhd. (733428-W)**
Address	PTD 204334, Jalan Platunum Utama, Kawasan Perindustrian Pasir Gudang, Zone 12B, 81700 Pasir Gudang, Johor Darul Takzim, Malaysia
Place of Production	Pantech Stainless & Alloy Industries Sdn. Bhd. (733428-W) PTD 204334, Jalan Platunum Utama, Kawasan Perindustrian Pasir Gudang, Zone 12B, 81700 Pasir Gudang, Johor Darul Takzim, Malaysia
Type	Austenitic Stainless Steel Pipe Fittings
Description	Austenitic Stainless Steel Welded & Seamless Pipe Fittings (90° Long Radius Elbow, 45° Long Radius Elbow, 90° Short Radius Elbow, Equal Tee, Concentric Reducer, Eccentric Reducer, Stub End & Cap)
Trade Name	Pantech Stainless & Alloy Industries Sdn Bhd
Application	Marine
Specified Standard	Lloyd's Register's Rules and Regulations for the Classification of Ships 2020. ASTM A403 ASME B16.9 : 2012
Ratings	Diameter : 1/2 to 16 inches See manufacturer's product catalogue and Design Appraisal Document for use

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and limitations.

Other Conditions

1. The pipe fittings are to be selected and installed in accordance with the manufacturer's instructions, applicable International Codes & Lloyd's Register's Rules and Regulations.
2. Each fitting shall be permanently marked to show the following:
   - Manufacturer's name or trademark
   - Material identification, either the ASTM grade designation
   - Schedule number or nominal wall thickness in mm
   - Size
   - Compliance

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document No. LR2031759TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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