

Steel Pipe And Tubes

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| Manufacturer | Pantech Stainless & Alloy Industries Sdn. Bhd. (733428-W) |
| Address | PTD 204334, Jalan Platanum Utama, Kawasan Perindustrian Pasir Gudang, Zone 12B, 81700 Pasir Gudang, Johor Darul Takzim, Malaysia |
| Type | Pipes And Tubes |
| Scope of Approval | Pipes and Tubes Welded Pipes and Tubes in Austenitic Stainless Steel, maximum diameter 407 mm, maximum wall thickness 9.6 mm. |

This approval is subject to compliance with the Rules for the Manufacture, Testing and Certification of Materials. The full details of the processes and grades to which this approval applies are given on subsequent pages of this certificate.

This certificate is issued to the named manufacturer, and is valid until the expiry date specified. Lloyd's Register is to be notified of any change that may affect the validity of this certificate, and reserves the right to cancel or withdraw this certificate.



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Clive Arnold

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Steel Pipe And Tubes

| pipes and tubes | Welded | Grades | Maximum Diameter | Units |
|------------------------|---------------|-------------------------------|-------------------------|--------------|
| - | - | austenitic stainless steel | 407.00 | mm |



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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. |
| Address | PTD 204334, Jalan Platinum Utama, Kawasan Perindustrian Pasir Gudang, Zone 12B, 81700 Pasir Gudang, Johor, Malaysia. |
| Place of Production | Pantech Stainless & Alloy Industries Sdn. Bhd. PTD 204334, Jalan Platinum Utama, Kawasan Perindustrian Pasir Gudang, Zone 12B, 81700 Pasir Gudang, Johor, 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 |

Type Approval Certificate

Ratings

Diameter : 1/2 to 16 inches
See manufacturer's product catalogue and Design Appraisal Document for use 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.