Certificate No: LR2539594TA
Issue Date: 08/01/2025
Expiry Date: 07/01/2030

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	**JIANGSU HUAYANG PIPE & FITTINGS CO,. LTD**
Address	Fuyuan Road, Economic Development Zone, Ju Rong City, Jiangsu Province, 212400, China
Place of Production	JIANGSU HUAYANG PIPE & FITTINGS CO,. LTD Fuyuan Road, Economic Development Zone, Ju Rong City, Jiangsu Province, 212400, China
Type	Pipes and Fittings
Description	Elbow, Tee, Reducer, Cap Austenitic Stainless Steel Pipe Fittings
Trade Name	HYMCO
Application	For use in marine and offshore application
Specified Standard	Rules and Regulations for the Classification of Ships, July 2019 Rules and Regulations for the Construction and Classification of Ships for the Carriage of Liquefied Gases in Bulk, August 2019 ASME B16.9-2018 GB/T 12459-2017
Ratings	Wall thickness: Sch5S to Sch80S (GB/T 12459-2005) Nominal diameter: DN15 to DN800 Temperature range (°C): -165 to 350

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Torsten Schroeder

Engineering - Piping/ Decarbonisation -
Senior Specialist to Lloyd's Register EMEA
A member of the Lloyd's Register group

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

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Pressure range (bar): 10 to 100
Pipe Fittings Material: WP304 (ASTM A403/A403M)
WP304L (ASTM A403/A403M)
WP316L (ASTM A403/A403M

Other Conditions Where the product is intended to installed on board ship classed with Lloyd's Register (LR), the following conditions should be followed.
1.Pipe fittings material type/wall thickness selection is to be in accordance with the manufacturer's instructions and to the attending Surveyor's satisfaction.
2.Pipe fittings used on piping systems installed in LPG/LNG carriers, gas fueled ships and classed refrigeration systems, austenitic stainless-steel material 316L & 304L can be used for welded fabrication. LR Rules Part 5, Chapter 12, Section 9.4.1 refers.
3. The design of the products or components complies with ASME B16.9:2018 and GB/T 12459-2017 standard.

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.

Previous Version: LR2002963TA

The Design Appraisal Document LR2539594TA_DAD and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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