



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	Eurotubi Europa Srl	
Address	Via Croce Rossa Italiana, 12, Nova Milanese, Monza and Brianza, 20834, Italy	
Type	Pipe Press Fitting System	
Description	Stainless steel 1.4404 (AISI316L) Pipes and Press fitting with elastomer EPDM and FPM sealing rings.	
Trade Name	EUROTUBI PRESSFITTING SYSTEM AISI316L	
Application	Marine Applications For Class III piping systems: HVAC, heating and cooling systems, Compressed air systems, Fresh water for non-essential systems, Sprinkler systems, Flammable liquids with use of FPM seals Only	
Specified Standard	LR Rules and Regulations for the Classification of Ships, 2024 Lloyd's Register Type Approval System Test Specification Number 2, Chapter 5, Appendix 4 - Mechanical Pipe Joints – Fixed Connections. ISO 19921: 2005(E) ISO 19922: 2005(E)	
Ratings	Diameter:	15mm~108mm outside diameter
	Pipe Thickness:	1.0~2mm
	Maximum Allowable working pressure:	15~54mm 16 bar and 76.1~108mm 10 bar

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A member of the Lloyd's Register group

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Design Temperature: EPDM: -20~120°C; FPM: -20~200°C
Material: Stainless steel 1.4404 (AISI316L)
(body), EPDM, FPM (seal Oring)

Other Conditions

1. For essential piping systems, the pipe thickness shall not be less than that required by the applicable LR Rules, specifically in accordance with Part 5, Chapter 12, Section 10.
2. Pipes and Mechanical pipe joints are to be selected and installed in accordance with the manufacturer's instructions.
3. In all cases, pressure and temperature ratings of the fittings are to be suitable for the intended service conditions.
4. Fittings of sizes 88.9 and 108 are limited to applications requiring a 30-minute wet fire test in accordance with LR Class Rules, Part 5, Chapter 12, Section 2, Table 12.2.8.
5. Where the tube fittings are intended to be installed on ship classed with LR, the application of the joints is to be in accordance with Part 5, Chapter 12, Table 12.2.8 Application of mechanical joints of LR Ship Rules.
6. For flammable liquids, only fittings with FPM seals shall be used.

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 Marine and Offshore India LLP of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document LR26256343TA_DAD and its supplementary Type Approval Terms and Conditions form part of this Certificate.