



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	Wieland Eucaro GmbH
Address	Senator-Helmken-Strasse 3, Bremen, 28197, Germany
Type	Compression Fittings
Description	Swage type compression pipe couplings with wedge rings made of CuAl10Ni5Fe4, fitting body of CuNi10Fe1.6Mn, nut of brass for tubes of CuNi10Fe1.6Mn.
Trade Name	Double Wedge Ring Unions
Application	As piping components in piping systems due to the pressure rating on ships classed or intended for Classification with Lloyd's Register.
Specified Standard	LR Rules and Regulations for the Classification of Ships, July 2022
Ratings	Sizes OD 8 to 38 mm Max. working pressure: 25 bar up to size OD 30 10 bar up to size OD 38 Temperature: up to 100°C
Other Conditions	The manufacturer's installation instructions are to be sought. For deck and bulkhead penetrations see also the requirements of the National Authorities. Pipe thicknesses for essential systems to comply with LR Rules.

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

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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 HPC 221004, Issue 1 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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