Certificate No: LR2026450TA
Issue Date: 26/08/2020
Expiry Date: 25/08/2025

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 **TK-FUJIKIN CORPORATION**

Address 32, Hwajeonsandan 3-ro, Gangseo-gu, Busan, Korea, Republic of

Type Compression Fittings

Description Double Ferrule Compression Type of Tube Fittings for Stainless Steel

Trade Name T-LOK Tube Fittings

Application High pressure tube connections for use in marine, offshore and industrial piping systems with hydraulic systems fluids, fuel oil, lubricating oil, fresh water, salt water, sanitary, gas, steam and condensate.

Specified Standard Lloyd's Register Rules and Regulations for Classification of Ships, Part 5, Chapter 12, Section 5, July 2020

Ratings

Tube O.D (inch)	Normal pressure ratings (psi) - Stainless steel
1/8"	10,950
3/16"	10,300
1/4"	10,300
5/16"	8,100
3/8"	6,550
1/2"	6,750
5/8"	6,050
3/4"	5,850

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7/8"	4,850
1"	4,700
1 ¼"	4,900
1 ½"	4,900

Other Conditions

Where the tube fittings are intended to be installed on a ship classed with LR, the following conditions of acceptance will be applicable:
1) The fittings are to be installed in accordance with the manufacture's instruction.
2) Attention is drawn to Section 1.3.6 of IMO MSC/Circ.1321- Guidelines for Measures to prevent Fires in Engine-Rooms and Cargo Pump-Rooms and Cargo Pump-Rooms which describes that compression couplings require careful attention to tightening procedures and torques to avoid leaks or damage to the pipe when subjected to over-tightening and they should not be used in the fuel supply line of the (oil engine) injection pumps and spill system.
3) Fire testing will be requested where the effects of fire could lead to leakage in a flammable fluid system or in a system which, following failure of the joint, could lead to danger due to possible flooding or loss of integrity of an emergency shut-down or control system.

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 Asia of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document LR2026450TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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