Certificate No: LR26361180TA
Issue Date: 02/10/2026
Expiry Date: 01/10/2031

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 **HY-LOK Corporation.**

Address 97 Noksansandan 27-ro Gangseo-gu, Busan, 46751, South Korea

Type Tube Fittings

Description Carbon steel, stainless steel and brass single sleeve compression type tube fittings

Trade Name 24° Tube fittings - DIN 2353 & ISO 8434-1

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

Specified Standard Lloyd's Register's Rules and Regulations for the Classification of Ships, Part 5, Chapters 12 July 2026

Ratings Carbon steel and stainless steel tube fittings:

Series	Tube O.D (mm)	Nominal pressure ratings (bar)
LL	4 - 12	100
L	6 - 18	315
L	22 - 42	160
S	6 - 14	630
S	16 - 30	400
S	38	315

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Brass tube fittings:

Series	Tube O.D (mm)	Nominal pressure ratings (bar)
LL	4 - 8	63
L	6 - 18	200
L	22 - 42	100
S	6 - 14	400
S	16 - 30	250
S	38	200

Pressure-temperature ratings : see the producer's catalogue

Other Conditions

1) Application of the mechanical joints is subject to the limitations specified in the applicable LR Rules, Part 5, Chapter 12, Section 2.12 including the permitted piping class, service and pipe dimensions.
2) The fittings are to be installed in accordance with the manufacturer's instructions.
3) Attention is drawn to Section3.6 of IMO MSC/Circular. 851-Guidelines on Engine-room Oil Fuel Systems which describes that compression couplings require careful attention to tightening procedures and torques to avoid leaks or damage to the pipe when subjected to overtightening and they should not be used in the fuel supply line of the (oil engine) injection pumps and spill system.
4) Mechanical joints not incorporating non-metallic sealing elements are to be of a fire-tested type.

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Type Approval Certificate

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.

Previous Version: LR2294540TA

The Design Appraisal Document GTS/ENG/M262597-1 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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