



NIPPON KAIJI KYOKAI

TYPE APPROVAL CERTIFICATE

Certificate No. TA20646M

This is to certify that the undernoted product(s) has/have been approved in accordance with the relevant requirements of 12.3.3, Part D of “Rules for the Survey and Construction of Steel Ships” and Chapter 9, Part 6 of “Guidance for the Approval and Type Approval of Materials and Equipment for Marine Use”.

This certificate is issued to

Manufacturer :

HY-LOK CORPORATION

**97, Noksansandan 27-ro, Gangseo-gu,
Busan, Korea**

Product description :

Mechanical Joint

Type of Joint:

Compression Coupling (Bite Type)

Type designation(s) :

As per attached sheet

Approval No. :

11FV102B

Valid until :

18 January 2026

This certificate is subject to the conditions specified in the attached sheet(s).

Issued at Tokyo on 9 December 2020



T. Shimada
General Manager
Machinery Department

1. Particulars and conditions:

- **Product name:** 24° Tube Fittings (DIN2353&ISO8384-1)
- **Type:** DU, DL, DUR, DT, DC, DTR, DBU, DBUW, DBL, DOM-U/M, DMC-R, DMC-G, DMC-M, DMC-GED, DMC-MED, DMC-N, DLM-R/M, DFC-G/M, DLA, DBTA, DRTA, DEW, DET, DEL, DKOR, DR, DRED, DA-GED/MED, DEGE-G/M, DUE, DSWVE-G/M, DWH-G/M, DTH-G/M, DSVW-G/M, DSVT-G/M, DGC-G, DGE-G, DGA-G, DGMA, DEMA3,
- **Weld fittings:** DAS, DASK, DAK, DAKR,
- **Plugs and caps:** DVSTI-GED/MED, DVSTI, DVKA, DCA
- **Material:** Carbon Steel, Stainless Steel, and Brass,
- **Ratings:** As per Manufacture's Specification and guarantee (Catalog No.H-230TF)

2. Application:

Air, Steam, Fuel oil, Lubrication oil, Hydraulic fluids, Water, Gas

3. Type approval tests carried out:

Tightness test, Vibration test, Pressure pulsation, Burst pressure test, Pull-out test, and Repeated assembly test

4. Documents:

Catalog No.H230TF

Test report No.TR-NKTT-TW-100517-01, TR-NKTT-TG-100517-01, TR-NKTT-BT100517-01, TR-NKTT-RAT-101007-01, TR-NKTT-VPPT-101015-01, TR-NKTT-VPPT-1010129-01, TR-NKTT-VPPT-101110-01, TR-NKTT-VPPT-101118-01, TR-NKTT-PO-101110-01, TR-NKTT-PO-101118-01, TR-NKTT-VPPT-101126-01, TR-NKTT-VPPT-101203-01

5. Production test:

The joints used for piping belonging to Group I & II defined by the requirements 12.1.3, Chapter 12, Part D of the Society's Rules are to be subjected hydraulic test in the presence of the Society's surveyor in accordance with the requirements 12.6.1, Chapter 12, Part D of the Society's Rules.

• **Notice :**

Any significant changes in design or construction of the above items may render this certificate invalid.

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