



# NIPPON KAIJI KYOKAI

## TYPE APPROVAL CERTIFICATE

Certificate No. TA16360M

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

This certificate is issued to

Manufacturer :	<b>HY-LOK CORPORATION, Busan, Korea</b>
Product description :	<b>Mechanical Joint</b>
Type of Joint:	<b>Compression Coupling (Bite Type)</b>
Type designation(s) :	<b>As per attached sheet</b>
Approval No. :	<b>11FV102B</b>
Valid until :	<b>18th January 2021</b>

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

Issued at Tokyo on 29th July 2016

  
Y. Shibata  
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, Jan.2007)

**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(Jan.2007)

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.

- The End -