



# NIPPON KAIJI KYOKAI

## *Certificate*

Certificate No.  
TA06112M

### OF APPROVAL FOR MECHANICAL JOINTS

**THIS IS TO CERTIFY** that the mechanical joints,

Type of joints : Compression Couplings  
Model : Dk-Lok, Bite Type  
Manufacturer : DK TECH Corporation, Korea

have been approved in accordance with the relevant requirements of 12.3.3, Chapter 12, Part D of the Society's Rules, 2005 edition and IACS UR P2, with

**Approval Number : 06FV101B**

for use in the ships classed or intended to be classed with the Society subject to the conditions specified in the attached sheet.

This certificate will remain in force until 20th February 2011.  
Issued on 21st February 2006.

NIPPON KAIJI KYOKAI

  
S. Ogawa

General Manager,  
Machinery Department



**1. Particulars and conditions :****1.1 Swage type**

Type	: Dk-Lok
Construction	: Body, Nut, Back Ferrule, Front Ferrule
Material	: Stainless Steel (SUS316), Brass* (C3604, C3771)
Nominal Diameter	: 1/16 inches to 2 inches, 2mm to 38mm
Design Pressure:	
Stainless Steel	: 67MPa to 31MPa depending on sizes
Brass	: 23MPa to 10.9MPa depending on sizes

\* Joints made of Brass not to be used in the line with a design temperature over 210°C.

**1.2 Bite type**

Type	: Bite Type
Construction	: Body, Sleeve, Nut
Material	: Stainless Steel (SUS316-304), Carbon Steel (S10C-S48C), Brass* (C3604, C3771)
Nominal Diameter	: 6mm to 42mm, 1/8 inches to 1-1/2 inches
Design Pressure:	
Stainless Steel	: 49MPa to 20.6MPa depending on sizes
Carbon Steel	: 49MPa to 20.6MPa depending on sizes
Brass	: 24.5MPa to 11.7MPa depending on sizes

\* Joints made of Brass not to be used in the line with a design temperature over 210°C.

**2. Application :**

The joints can be used the following piping lines:

1. Fuel oil lines, lubricating oil lines, hydraulic oil lines, cargo oil lines and thermal oil lines
2. Inert gas: water seal effluent lines, scrubber effluent lines, main lines, and distributions lines
3. Feed water lines, condensate return lines, cooling sea water lines and cooling fresh water lines
4. Steam lines, Starting/control air, service air (non-essential), and CO<sub>2</sub> system

**3. Type approval tests carried out :**

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

**4. Production test :**

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

**Notice :**

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

**- The End -**