



NIPPON KAIJI KYOKAI

TYPE APPROVAL CERTIFICATE

Certificate No. TA15632M

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:	DK-LOK Corporation, Korea
Product description:	Compression Couplings
Type designation(s):	Dk-Lok, Bite-Type
Approval No.:	06FV101B
Valid until:	20th February 2021

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

Issued at Tokyo on 18th December 2015.



Y. Shibata
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 for the piping lines in accordance with table D12.8, Part D of the Rules in easily visible and accessible positions.

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 -

Mr. Ki Hoon. Lee
DK-LOK Corporation

Date: 18th December 2015

Our Ref.: 615200444

Dear Sir,

Subject: Type approval of Compression Couplings (Continuation)

With reference to your application for the captioned type approval (9th December 2015), we have examined the submitted documents with satisfactory result and Type approval has been renewed.

Please be informed that the type approval of the below mentioned article have been renewed. Please find the enclosed type approval certificate(s) and the documents.

For your information, the invoice will be sent to you separately.

- Article : Compression Couplings
- Type Approval No. : 06FV101B
- Certificate No. : TA15632M

Your kind attention to the above would be much appreciated.

Best Regards,



Y. Shibata
General Manager
Machinery Department

Encl.: Type Approval Certificate(s)

Cc: ClassNK Busan Office

