



NIPPON KAIJI KYOKAI

TYPE APPROVAL CERTIFICATE

Certificate No. TA20575M

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

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|-----------------------|--|
| Manufacturer: | DK-Lok Corporation, Korea |
| Place of Manufacturer | 7, Golden root-ro 129beon-gil, Juchon-myeon, Gimhae-city, South Korea |
| Product description: | Compression Couplings |
| Type designation(s): | Dk-Lok, Bite-Type |
| Approval No.: | 06FV101B |
| Valid until: | 20 February 2026 |

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

Issued at Tokyo on 13 November 2020

T. Shimada
General Manager
Machinery Department

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

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|------------------|---|
| 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

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|------------------|--|
| 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.

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