NIPPON KAIJI KYOKAI

TYPE APPROVAL CERTIFICATE

Certificate No. TA24468M

This is to certify that the undernoted products have been approved in accordance with the relevant requirements of 12.3.3, Chapt.12, Part D, 5.8.5, Part N and 7.3.6, Part GF of "Rules for the Survey and Construction of Steel Ships" and Chapt.9, Part 6 "Guidance for the Approval and Type Approval of Materials and Equipment for Marine Use".

This certificate is issued to

Manufacturer:	**BMT Co., Ltd**
Place of manufacturer:	**17, Sinsojaesandan 2-ro, Jangan-eup, Gijang-gun, Busan, Republic of Korea**
Product description:	**Mechanical Joint**
Type of Joint:	**Compression Coupling (Bite Type)**
Type designation(s):	**Superlok Tube Fitting** **Bite Type Tube Fitting for JIS & KIS**
Approval No.:	**07FV104B**
Valid until:	**7 October 2029**

The details are described in the attached sheets.

Issued at Tokyo on 26 Aug 2024.

S. Oishi
General Manager
Machinery Department

・Particulars and Conditions

Type : Superlok Tube Fitting

Nominal Diameter	:	1/16 – 1 inch (3 – 25 mm)
Design Pressure	:	As per manufacture's specification
Material	:	SUS316
Kind of Fluid	:	Fuel oil, Lubricating oil, Hydraulic oil, Fresh water, Sea water, Air, Steam, Liquefied petroleum gas, Liquefied natural gas

Type : Bite Type Tube Fitting for JIS & KIS

Nominal Diameter	:	4 – 50 mm	
Design Pressure	:	49 MPa	(4 – 15 mm)
(Nominal Diameter)		39.2 MPa	(16 – 22 mm)
		34.3 MPa	(25 – 28 mm)
		24.5 MPa	(30 – 38 mm)
		20.58 MPa	(40 – 50 mm)
Material	:	SUS316	
Kind of Fluid	:	Fuel Oil, Lubricating oil, Hydraulic oil, Fresh water, Sea water, Air, Steam, Liquefied petroleum gas, Liquefied natural gas	

・Application

The joints can be used for the piping lines in accordance with table D12.8 and D12.9, Part D of the Rules for the Survey and Construction of Steel Ships and the piping lines for Liquefied petroleum gas, Liquefied natural gas.

・Type Approval Tests Carried Out

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

・Drawings

BMT-070919-01, BMT CTF-5(07.05.02), BMT CTJ-1(07.04.30)

Attached sheet to the Certificate No. TA24468M

・Production tests

1. 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 to hydraulic test in the presence of the Society's Surveyor in accordance with the requirements 12.6.1, Part D of the Rules.
2. The joints used for piping of LPG/LNG are to be subjected to pressure test in the presence of the Society's Surveyor in accordance with the relevant requirements of 5.13.2, Part N and 16.7.3, Part GF of the Rules.

・Notice

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

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