



# NIPPON KAIJI KYOKAI

## TYPE APPROVAL CERTIFICATE

Certificate No. TA12682M

**This is to certify** that the undernoted products 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>BMT Co., Ltd., Yangsan, Korea</b>
Product:	<b>Mechanical Joints</b>
Kind of connections:	<b>Compression Couplings, Bite Type</b>
Type designations:	<b>Superlok Tube Fitting Bite Type Tube Fitting for JIS &amp; KS</b>
Approval No.:	<b>07 FV 104 B</b>
Valid until:	<b>25 December 2017</b>

This certificate is subject to the conditions specified in the attached sheets.

Issued at Tokyo on 10 December 2012.

T. Narisawa  
General Manager  
Machinery Department

Attached sheet to the Certificate No.TA12682M

• **Particulars and conditions :**

Type : Superlok Tube Fitting

Nominal Diameter : 1/16 - 1 inch (3 mm - 25 mm)  
Design Pressure : as per manufacturer's specification  
Material : SUS 316  
Kind of fluid : Fuel oil, Lubricating oil, Hydraulic oil,  
Fresh water, Sea water, Air, Steam

Type : Bite Type Tube Fitting for JIS & KS

Nominal Diameter : 4 mm - 50 mm  
Design Pressure (Nominal Diameter) : 49 MPa (4 - 15 mm)  
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 : SUS 316  
Kind of fluid : Fuel oil, Lubricating oil, Hydraulic oil,  
Fresh water, Sea water, Air, Steam

• **Type approval tests carried out :**

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

• **Documents :**

Document No.: BMT-070919-01, BMT CTF-5 (07.05.02), BMT CTJ-1 (07.04.30)

• **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**