

## Type Approval Certificate Extension

This is to certify that Certificate No. 06/10006 for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

<b>PRODUCER</b>	BMT Co., Ltd. 21-1, Bukjeong-dong, Yangsan, Gyeongsangnam-do, 626-110, South Korea
<b>PLACE OF PRODUCTION</b>	BMT Co., Ltd. 21-1, Bukjeong-dong, Yangsan, Gyeongsangnam-do, 626-110, South Korea
<b>DESCRIPTION</b>	Double ferrule type and bite type compression tube fittings for stainless, carbon steel, nickel copper alloy and copper pipes.
<b>TYPE</b>	SUPERLOK and Bite Type (DIN 2353)
<b>APPLICATION</b>	High pressure tube connections for use in marine, offshore and industrial piping systems with hydraulic system fluids, fuel oil, lubricating oil, fresh water, salt water and gas.
<b>DESIGN CODE STANDARD</b>	Lloyd's Register (LR) Rules and Regulations for the Classification of Ships, July 2010
<b>RATINGS</b>	Maximum Pressure : 2180 psi (15 MPa) ~ 10800 psi (74.46 MPa) Max. tube outside diameter : 51 mm
<b>OTHER CONDITIONS</b>	Where the tube fittings are intended to be installed on a ship classed with LR, the following conditions of acceptance will be applicable:-  1) The tube fittings are to be installed and tested in accordance with Part 5, Chapter 13, Section 2, of the Rules and Regulations for the Classification of Ships in so far as applicable.
<b>Certificate No.</b>	06/10006 (E1)
<b>Issue Date</b>	28 March 2011
<b>Expiry Date</b>	27 March 2016
<b>Sheet</b>	1 of 2

  
N. Terashita  
Yokohama Design Support Office  
Lloyd's Register

Lloyd's Register, registered office:  
71 Fenchurch Street, London EC3M 4BS

**OTHER  
CONDITIONS  
(Continued)**

- 2) The tube fittings are to be made, installed and tested to appropriate pipe class requirements in accordance with Part 5, Chapter 12 of the Rules and Regulations for the Classification of Ships in so far as applicable.
- 3) Copper tube fittings are not acceptable for use in fuel oil line.
- 4) Aluminium tube fittings are not acceptable for use in all piping systems.
- 5) Maximum Pressures of each tube fittings with each materials are to be indicated for each parts numbers in each parts tables of each catalogues respectively.

*"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register of any modification or changes to the equipment in order to obtain a valid certificate."*

*The attached Design Appraisal Document No. 06/10006(E1) and its supplementary Type Approval Terms and Conditions form part of this Certificate.*

All other details remain as the previous Certificate No. 06/10006 to which this extension should be attached.

Certificate No.	06/10006 (E1)
Issue Date	28 March 2011
Expiry Date	27 March 2016
Sheet	2 of 2



N. Terashita  
Yokohama Design Support Office  
Lloyd's Register

*Lloyd's Register, registered office:  
71 Fenchurch Street, London EC3M 4BS*



# Marine Design Appraisal Document

Lloyd's Register  
Yokohama Design Support Office  
Queen's Tower A, 10th Floor,  
2-3-1, Minatomirai, Nishi-ku,  
Yokohama, 220-6010 Japan  
Tel: +81-(0)45-682-5273, Fax: +81-(0)45-682-5279

Date  
28 March 2011  
Quote this reference on all future communications  
YDS/T/NTE/114228(M06-14)

## LR TYPE APPROVAL SYSTEM, 2002

Issued to: BMT Co., Ltd.  
for: SUPERLOK and Bite Type (DIN 2353) Compression Tube Fittings  
TYPE APPROVAL CERTIFICATE No. 06/10006(E1)

The undernoted documents have been reviewed for compliance with the requirements of the LR Type Approval System, 2002 and this Design Appraisal Document forms part of the Certificate.

### APPROVAL DOCUMENTATION

Request for Marine Services Form 2502 dated 23 June 2010  
Request for Quotation Form 6606 dated 25 April 2011

### TEST REPORTS

Busan Port memorandum dated 11 March 2011 concerning inspection and surveillance of production facilities

### Supplementary Type Approval Terms and Conditions

*Type Approval certifies that a representative sample of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein. It does not mean or imply approval for any other use, nor approval of any product(s) designed or manufactured otherwise than in strict conformity with the said representative sample.*

*Type Approval is based on the understanding that the manufacturer's recommendations and instructions and any relevant requirements of the Rules and Regulations are complied with.*

*Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.*

*Lloyd's Register reserves the right to cancel or withdraw this Type Approval Certificate in accordance with the LR Type Approval System Procedure.*

N. Terashita  
Senior Surveyor & Group Leader  
Machinery & Piping Group  
Yokohama Design Support Office  
Lloyd's Register  
Tel: +81(0)45-682-5273, Fax: +81(0)45-682-5279  
Email: [nobuya.terashita@lr.org](mailto:nobuya.terashita@lr.org)

FINAL ACCEPTANCE OF ACTUAL ITEM(S) DEPEND(S) ON SATISFACTORY SURVEY AND TESTING

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**Part 1A**  
**Subject: Pipe Fittings**  
**Product: Compression Fittings (Part 1A)**

Producer/Licence No.		Description of Product			Cert. No.
Type	Details of Approval	Application	Remarks		
BMT Co., Ltd. 21-1, Bukjeong-dong, Yangsan, Gyeongsangnam-do, 626- 110, South Korea	Double ferrule type and bite type compression tube fittings for stainless, carbon steel, nickel copper alloy and copper pipes.  Maximum pressure : 2180 psi (15 MPa) ~ 10800 psi (74.46 MPa) Maximum tube outside diameter : 51 mm	High pressure tube connections for use in marine, offshore and industrial piping systems with hydraulic lubricating oil, fresh water, salt water and gas.	Expires: 27 March 2016	06/10006(EI)	

*N. Lee*