Lloyd's Register

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:

PRODUCER	BMT Co., Ltd. 21-1, Bukjeong-dong, Yangsan, Gyeongsangnam-do, 626-110, South Korea
PLACE OF PRODUCTION	BMT Co., Ltd. 21-1, Bukjeong-dong, Yangsan, Gyeongsangnam-do, 626-110, South Korea
DESCRIPTION	Double ferrule type and bite type compression tube fittings for stainless, carbon steel, nickel copper alloy and copper pipes.
TYPE	SUPERLOK and Bite Type (DIN 2353)
APPLICATION	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.
DESIGN CODE STANDARD	Lloyd's Register (LR) Rules and Regulations for the Classification of Ships, July 2010
RATINGS	Maximum Pressure : 2180 psi (15 MPa) ~ 10800 psi (74.46 MPa) Max. tube outside diameter : 51 mm
OTHER CONDITIONS	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.
Certificate No.	06/10006 (E1)
Issue Date	28 March 2011
Expiry Date	27 March 2016
Sheet	1 of 2

N. Terashita

N. Terashita
Yokohama Design Support Office
Lloyd's Register

Lloyd's Register, registered office:
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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
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Lloyd's Register Marine Design Appraisal Document

Lloyd's Register
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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
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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	SUPERLOK Bite Type (DIN 2353)	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 system fluids, fuel oil, lubricating oil, fresh water, salt water and gas.	Expires: 27 March 2016	06/10006(E1)