

# EC-Type Examination Certificate Marine Equipment – Module B



## Certificate No. DK-0200-MarED-186, version 1

Issued by FORCE Certification A/S, Denmark  
under EC-notification number 0200

In accordance with Technical Regulation on Marine Equipment No. 197 of March 5<sup>th</sup> 2010 from the Danish Maritime Authority which in Denmark implements the COUNCIL DIRECTIVE 96/98/EC of 20<sup>th</sup> December 1996 on marine equipment (changed by the Commission Directive 98/85/EC of 11<sup>th</sup> November 1998, Commission Directive 2001/53/EC of 10<sup>th</sup> July 2001, Commission Directive 2002/75/EC of 2<sup>nd</sup> September 2002, European Parliament and Council Directive 2002/84/EC of 5<sup>th</sup> November 2002, Commission Directive 2008/67/EC of 30<sup>th</sup> June 2008 and Commission Directive 2009/26/EC of 6<sup>th</sup> April 2009, 5<sup>th</sup> Amendment) this certificate is issued to:

Applicant: **Bosun Deniz Emniyet Malzemeleri İmalat San. Ve Tic Ltd.Şti**  
**Evlıya Çelebi Mah. Gıptas Sanayi Sitesi A/16**  
**Tuzla-Istanbul**  
**TURKEY**

Manufacturer: **Bosun Deniz Emniyet Malzemeleri İmalat San. Ve Tic Ltd.Şti**  
**Icmeler Mah. İstasyon sok. no:8**  
**Tuzla-Istanbul**  
**TURKEY**

### Identification of Marine Equipment:

Annex A.1 Item: A.1/1.29 Embarkation ladder

Product Type: Embarkation ladder according to assembly drawing 002 dated 07-12-2010 listed in Technical – 2011/V.1 for embarkation ladder

Product Designation: Embarkation ladder - BEL

Total length: Up to 30 meters

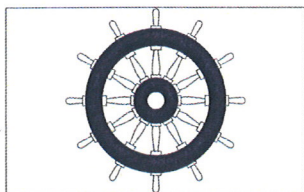
Specified Standard: IMO Res. MSC.81(70) and ISO 5489 (2008)

The examined samples were found to fulfil the requirements in the International Testing Standards IMO Res. MSC.81(70) and ISO 5489 (2008) and applicable regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of IMO as specified in ANNEX A.1, Section 1, item A.1/1.29, and ANNEX B, Module B, of the Directive. The type-examined models and the basis for the type approvals, including application and operating restrictions, are described in the enclosure to this certificate.

Any significant changes to design or manufacture, or amendments to the Directive or applicable standards may render this certificate invalid.

Date of issue: 2011-10-31  
Date of expire: 2016-10-31

Niels Ovesen  
Certification Manager



The Mark of Conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity may only be issued when the production/product assessment module (D, E or F), ANNEX B of the Directive is fully complied with and controlled by a written inspection agreement with a notified body.

**0200/YY** Last two digits of year mark affixed

**Enclosure to Certificate No. DK-0200-MarED-186, version 1**  
**EC-Type Examination Certificate**  
**Marine Equipment – Module B**  
**Embarkation ladder**



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**Common information**

Issued to:	Bosun Deniz Emniyet Malzemeleri İmalat San. Ve Tic Ltd.Şti Evliya Çelebi Mah. Giptas Sanayi Sitesi A/16 Tuzla –İstanbul TURKEY
for marine equipment:	A.1/1.29 Embarkation ladder
Type:	Embarkation ladder - BEL
Manufactured by:	Bosun Deniz Emniyet Malzemeleri İmalat San. Ve Tic Ltd.Şti
Design:	Embarkation ladder according to assembly drawing 002 dated 07-12-2010 listed in Technical – 2011/V.1 for embarkation ladder
Marking:	<ul style="list-style-type: none"><li>- Name and address of the manufacturer</li><li>- The manufacturer 's model designation</li><li>- ISO 5489 and SOLAS</li><li>- The year of assembly of the ladder</li><li>- Serial No.</li><li>- Wheel Mark and No. of Notification Body</li><li>- Mark for replacement steps</li></ul>
Quality system modules:	B + D
Type test report:	FORCE Technology, file id. 110-33658.a
Type examination report:	FORCE Certification, file id. 110-33658.a
Quality system:	EN ISO 9001: 2008, Quality Management System, Certificate no. 01010186, issued by TÜV Austria Hellas 2010-07-30.
Submitted documentation:	Technical file for embarkation ladder, 2011/V.1 containing, <ul style="list-style-type: none"><li>- EN ISO 9001: 2008 certificate</li><li>- EC Declaration of conformity</li><li>- Ladder production instruction</li><li>- Above mentioned marking of the product</li><li>- Instruction manual for use and maintenance, including replacement of steps</li><li>- Above mentioned assembly drawing</li><li>- Detailed drawings</li><li>- Specification and documentation of components and materials</li></ul> Above mentioned type test and examination reports
Orders:	Manual Book with Laboratory Report shall be contained onboard the ship.

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**Summary:** The above mentioned product was found to fulfil the requirements in the International Testing Standards IMO Res. MSC.81(70) and ISO 5489 (2008) and current Reg. SOLAS 74 with amendments as stated in Annex A.1, Section 1, Part A.1/1.29 and Annex B, Module B of the COUNCIL DIRECTIVE 96/98/EC of 20<sup>th</sup> December 1996 on marine equipment (changed by the Commission Directive 98/85/EC of 11<sup>th</sup> November 1998, Commission Directive 2001/53/EC of 10<sup>th</sup> July 2001, Commission Directive 2002/75/EC of 2<sup>nd</sup> September 2002, European Parliament and Council Directive 2002/84/EC of 5<sup>th</sup> November 2002, Commission Directive 2008/67/EC of 30<sup>th</sup> June 2008 and Commission Directive 2009/26/EC of 6<sup>th</sup> April 2009, 5<sup>th</sup> Amendment.

**Restrictions**

Maximum length 30 meters

**Conclusion**

Based on the above-mentioned attestation it can be concluded that the equipment fulfils the conditions for obtaining an EC type examination certificate in accordance with the Danish Maritime Authority Technical Regulation on Marine Equipment No. 197 of March 5<sup>th</sup> 2010 for the fulfilment of the 5<sup>th</sup> Amendment.

Date: 2011-10-31

FORCE Certification A/S

A blue ink signature of Anders Klingenberg, written in a cursive style. The signature is positioned above the printed name and title.

Anders Klingenberg  
Examiner