



Marine & Offshore

Certificate number: 11175/E3 MED

File number: LSA 12084/22

Item number: MED/1.26b

USCG Module B number: 160.170 / EC2690

This certificate is not valid when presented without the full attached schedule composed of 7 sections

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Notified Body 2690 - MARINE EQUIPMENT DIRECTIVE 2014/90/EU

EC TYPE EXAMINATION CERTIFICATE

as per Module B of Directive 2014/90/EU of the European Parliament and of the Council of 23 July 2014 as transposed in the French Regulations and Commission Implementing Regulation (EU) 2018/773 of 15 May 2018

This certificate is issued to:

Palfinger Marine Netherlands B.V.
HARDERWIJK - NETHERLANDS

for the type of product

RELEASE MECHANISM FOR LIFERAFTS (LAUNCHED BY A FALL OR FALLS)

Automatic Release Hook for Davit-Launched Liferaft, Type: CAR 35

Requirements:

SOLAS 74 Convention as amended, Regulations III/4, X/3, III/16 and III/34
 IMO Res. MSC.48(66) -(LSA Code)- amended by MSC.207(81), MSC.218(82), MSC.272(85), MSC.293(87), MSC.320(89), MSC.368(93) and MSC.425(98) I, IV, VI
 IMO Res. MSC.36(63) -(1994 HSC Code)- as amended, 8
 IMO Res. MSC.97(73) -(2000 HSC Code)- as amended, 8
 IMO Res. MSC.81(70) amended by MSC.200(80), MSC.226(82), MSC.274(85), MSC.295(87), MSC.321(89), MSC.323(89), MSC.378(93) and MSC.427(98)
 IMO MSC/Circ.980 and IMO MSC.1/Circ.1419

This certificate is issued on behalf of the French Maritime Authorities to attest that Bureau Veritas Marine & Offshore did undertake the relevant type-examination procedures for the product identified above which was found to comply with the relevant requirements of the Directive 2014/90/EU of the European Parliament and of the Council of 23 July 2014 as transposed in the French Regulations.


This certificate will expire on: 04 Apr 2022

For Bureau Veritas Marine & Offshore Notified Body 2690,

At BV GRONINGEN, on 21 Nov 2018,

John Mondt



This certificate does not allow to issue the Declaration of Conformity and to affix the mark of conformity (wheelmark ) to the products corresponding to this type. To this end, the production-control phase module (D, E or F) of Annex II of the Directive is to be complied with and controlled by a written inspection agreement with a notified body.

This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. Bureau Veritas Marine & Offshore is designated by the French Maritime Authority as a "notified body" under the terms of the French Regulations Division 140 Chapter 140-2. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION:

**Automatic Release Hook for Davit-Launched Liferaft,
Type: CAR 35**

Maximum Working Load: 36 kN

To be only used with rings: Minimum hole: 50 mm
Maximum material diameter: 100 mm

2. DOCUMENTS AND DRAWINGS:

Design appraisal documents:

Reference	Revision	Date	Title
BI1-CAR35	K	2018-03-07	Combine Automatic Release Hook - Assembly
3S-CAR35-01	C	2016-10-04	Side Plates without Holes
3S-CAR35-03	F	2018-01-12	Securing Lever
3S-CAR35-05	C	2016-10-04	Latch
3S-CAR35-06	D	2016-08-18	Shaft
3S-CAR35-07	B	2016-07-04	Nut
3S-CAR35-11	-	2014-02-28	Shaft
3S-CAR35-12	-	2007-07-25	Shaft
3S-CAR35-15	-	2007-07-25	Shaft
3S-CAR35-24	C	2016-10-05	Side Plate with Holes
3FP-100998	-	2012-09-28	Hook
BI2-3P-100070	B	2018-10-13	Hook PLT 30 280x107
12061	A	2012-11-21	Assembly Release Cable RAL 1013 « Red »
12062	A	2012-10-31	Assembly Release Cable RAL 6024 « Green »
3P-1009818	F	2018-02-12	Type Plate (MED)

No departure from these drawings is permitted without the prior consent of the Society.

3. TEST REPORTS:

The release mechanism was tested under witnessing of Bureau Veritas as per Prototype Test Report dated 2017-02-09 on serial numbers ELCEE No.1 and ELCEE No.2, and as per Salt Spray Test Report No. 89210222.1 dated 2016-09-15.

4. APPLICATION / LIMITATION:

- The scope of the appraisal made by Bureau Veritas to issue this certificate is strictly restricted to the relevant requirements stated on the front page of this certificate.
- Application / limitation as per product description and requirements stated on front page of this certificate.
- On board installation & maintenance as per requirements stated on front page of this certificate.
- Steels according to part list of drawings with Manufacturer's documents.

5. PRODUCTION SURVEY REQUIREMENTS:

- This certificate alone does not allow the applicant to issue the Declaration of Conformity and to affix the mark of conformity (wheelmark) to the products corresponding to this type. To this end, the production-control phase module D "Production Quality Assurance" or E "Product Quality Assurance" or F "Product Verification" of Annex II of the Directive is to be complied with and controlled by a written inspection agreement with a Notified Body.

- Each release mechanism intended to be fitted onboard a ship registered to a National register adhering to the Directive shall be delivered with a Declaration of Conformity which shall be signed by the manufacturer.

- The manufacturer shall keep records of any production tests carried out in accordance with instructions given in IMO resolution MSC.81(70) Part 2 as amended.

- Each equipment, or batch of equipment, is to be supplied with its Manual(s) for installation, use and maintenance in the language required by the ship's Flag Administration.

- For information concerning the production phase modules, Palfinger Marine has declared the following manufacturing site(s):

Palfinger Marine Europe B.V. Havenstraat 18 3115HD Schiedam NETHERLANDS	Palfinger Marine Vietnam Co., Ltd Road D2, Area D, IZ Pho Noi A, Hung Yen VIETNAM	Palfinger Marine LSE Poland Sp. z o.o. Unii Europejskiej 8 86-050 Solec Kujawski POLAND
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Palfinger Marine LSE (QINGDAO) Co., Ltd. Hetao Port, Hongdao Economic District, Qingdao, China 266113 Qingdao CHINA	Palfinger Marine d.o.o Spelina ulica 22 SI-2000 Maribor 00 386 SLOVENIA
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6. MARKING OF PRODUCT:

The release mechanism shall be marked with:

- Manufacturer's name
- Serial number
- Maximum working load
- Reference is made to MED 2014/90/EU chapter 2. In particular Article 10.3 specifies that the wheelmark shall be followed by the identification number of the Notified Body involved in the production control phase (module D, E or F) and by the year in which the mark is affixed (4 digits or last 2 digits).
- Markings as per chapters 1.2 of LSA Code as amended.

- In pursuance of the EU/US MRA+, and in accordance with the Council Decision 2004/425/EC of 21 April 2004, the product(s) marked as per MED 2014/90/EU may be marked with the USCG conformity marking as authorized by the Notified Body undertaking surveillance module.

7. OTHERS:

- It is manufacturer's responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.
- This certificate supersedes the previous Type Examination Certificate No. 11175/E2 MED issued on 2018-04-03 by the Society.

*** END OF CERTIFICATE ***