

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB00002R5
Revision No:
2

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED), issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Authority. This Certificate is issued by DNV GL AS under the authority of the Government of Norway.

This is to certify:

That the Release mechanism for (a) Lifeboats and rescue boats (launched by a fall or falls)

with type designation(s)
HRH 1.5 & HCH 1.5

Issued to

H. Henriksen AS
TØNSBERG, Norway

is found to comply with the requirements in the following Regulations/Standards:

Regulation **(EU) 2019/1397,**

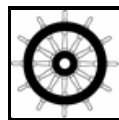
item No. MED/1.26a. SOLAS 74 as amended, Reg. III/4, III/16, III/34 & X/3, LSA Code, 2000 HSC Code 8 and IMO MSC.1/Circ.1419.

Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2025-01-29.**

Issued at **Høvik** on **2020-01-30**

DNV GL local station:
Sandefjord



for **DNV GL AS**

Approval Engineer:
Mats Asvald Innstø

Notified Body
No.: **0575**

Roald Vårheim
Head of Notified Body

A U.S. Coast Guard approval number will be assigned to the equipment when the production module has been completed and will appear on the production module certificate (module D, E or F), as allowed by the "Agreement between the United States of America and the EEA EFTA states on the mutual recognition of Certificates of Conformity for Marine Equipment" signed 17 October 2005, and amended by Decision No 1/2019 dated February 22nd, 2019.

The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body. The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU.

This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV GL AS of any changes to the approved equipment. This certificate remains valid unless suspended, withdrawn, recalled or cancelled.

Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV GL AS, its parent companies and subsidiaries as well as their officers, directors and employees ("DNV GL") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Job Id: **344.1-002400-6**
Certificate No: **MEDB00002R5**
Revision No: **2**

Product description

Offload release hooks with

- Safe Working Load, SWL = 1 650 kg

The product may be delivered in the following versions:

- HCH1.5
- HRH1.5

Application/Limitation

- Grades of materials as stated on drawings are to be delivered with maker's product certificates (3.1).
- The various components transferring the load like wires, shackles, hooks, etc. are to comply with international standard or code and are to be delivered with manufacturer's certificate, confirming a safety factor minimum 6 compared to the sustained load.
- Falls to be used with the launching appliance shall be of rotation-resistant and corrosion-resistant steel wire rope.
- Support to hull structure is not included in this examination and shall be evaluated separately.

Type Examination documentation

<i>Drawing No.</i>	<i>Rev.</i>	<i>Title</i>
HH000032	A5	HCH 1.5, MOB-Hook, SWL 1.65 T
HH000033	-3	HRH 1,5 MOB-Hook, SWL 1.65 T
HH010006	A4	Krokemne 15x86,5x114,1
HH020025	-4	Sideplate 4x112,5x204,7
HH020026	-6	Sideplate 4x112,5x204,7
HH020027	-5	Sideplate 4x178,8x112,5
HH020028	0	Løftebolt Ø25Ø20-40
HH040014	-4	Hovedbolt Ø25Ø20-36
HH040028	-6	Sideplate 4x178,8x112,5
D002480	1	System Segment Design Description
	21.01.2013	Hook HRH1.5 User Guide
M000142	1	User Manual - HCH(T)
D001347		Datasheet - Nastran material bilinear data

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Tests carried out

Prototype tested in accordance with IMO Resolution MSC.81(70) Part 1.

<u>Description</u>	<u>Report</u>	<u>Date(s)</u>	<u>Witnessed by</u>
HRH 1.5T	PS/99a4	1999-12-17	DNV Sandefjord, Norway
HCH 1.5T	PS/00A1	2000-03-31	DNV Sandefjord, Norway
HCH 1.5T SWL=1650kg	N141R95X	2019-01-09	DNV Sandefjord, Norway

Marking of product

Marking shall be implemented in accordance with the LSA Code, item 1.2.2.9 and the Directive:

- Type designation, manufacturer name and serial number
- Safe Working Load, SWL

END OF CERTIFICATE