

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB00002R5
Revision No:
1

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 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) 2017/306,**
item No. MED/1.26a. SOLAS 74 as amended, Reg. III/4, III/16, III/34 & X/3, LSA Code and 2000 HSC Code 8

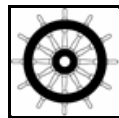
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2019-12-18.**

Issued at **Høvik** on **2018-03-05**

DNV GL local station:
Sandefjord

Approval Engineer:
Zrinka Cizmek



Notified Body
No.: **0575**

for **DNV GL AS**

Roald Vårheim
Head of Notified Body



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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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.



Job Id: **344.1-002400-5**
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Product description

Offload release hooks with

- Safe Working Load, SWL = 1.65 Tonnes

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 makers product certificates (3.1).
- The various components transferring the load like wires, shackles, 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.
- Installation, onboard testing (MSC.81(70) part.2), and support to the hull structure, are not included in this examination and shall be accepted by attending surveyor in each case.
- Support to hull structure is not included in this examination and shall be evaluated separately.
- The hook system has been evaluated in line with the LSA Code as amended, including IMO Res. MSC.320(89) & MSC.321(89).


Type Examination documentation

Drawing No.	Rev.	Title
HH000032	A4	HCH 1.5, MOB-Hok, WL 1.5 T
HH000033	2	HRH 1.5 MOB-Hok, WL 1.5 T
HH010006	A1	Krokemne 15x86,5x114,1
HH020025	3	Sideplate 4x12,5x204,7
HH020026	3	Sideplate 4x12,5x204,7
HH020027	4	Sideplate 4x178,8x12,5
HH020028	4	Sideplate 4x178,8x12,5
HH040014	3	Hovedbolt Ø25Ø20-36
HH040028	0	Løftebolt Ø25Ø20-40
D002466	7	Engineerig Report - FEM Analysis
D002480	1	System Segment Design Description
	21.01.2013	Hook HRH1.5 User Guide
M000142	1	User Manual - HCH(T)
	17.12.1999	Technical report - Prototype Test - HRH 1.5T
	31.03.2000	Technical report - Prototype Test - HCH 1.5T
D001347		Datasheet - Nastran material bilinear data

Tests carried out

Prototype testing according to IMO MSC 81 (70) carried out on 1999-12-17 for HRH 1.5T, and on 2000-03-31 for HCH 1.5T. Both tests are witnessed by DNV GL Sandefjord.

Marking of product



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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