

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB00000KE
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 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)
HMKD 3.5 & HMKGD 3.5

Issued to

H. Henriksen AS
TØNSBERG, Norway

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

Regulation **(EU) 2020/1170**,

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.

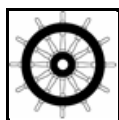
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2026-05-31**.

Issued at **Høvik** on **2021-06-01**

DNV local station:
Norway CMC, East-South

Approval Engineer:
Mats Asvald Innstø



Notified Body
No.: **0575**

for **DNV AS**

Sverre Olav Bergli
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 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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 AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") 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.



Product description

Off load release mechanism for lifeboat and rescue boats (launched by fall or falls), with;

- Safe Working Load, SWL = 3 500 kg
 (The hooks have 2 versions of release handle arrangement)

The product will be delivered with the following versions:

- HMKD 3,5
- HMKGD 3,5

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, hooks, etc. are to comply with international standards or codes and are to be delivered with manufacturer's certificate, confirming a safety factor minimum 6 compared to the sustained load.
- 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

HMKD 3.5 ;

<i>Dwg. No.</i>	<i>Rev.</i>	<i>Title</i>
HH000083	-3	HMKD 3,5 Assembly
HH020046	-4	Sideplate
HH020045	-3	Sideplate
HH040087	B	Hovedbolt
HH010015	-5	Krokemne
M000929	--	HMKG User Manual

HMKGD 3.5 ;

<i>Dwg. No</i>	<i>Rev.</i>	<i>Title</i>
HH003879	B10	HMKGD 3,5 Assembly
HH023907	A7	Sideplate
HH023906	A8	Sideplate
HH043908	--	Hovedbolt
HH010015	-5	Krokemne
M000929	--	HMKG User Manual

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>
Initial Prototype test	-	2006-06-08	DNV Høvik, Norway
Salt Spray(FOG) Testing 316L	2016-5014 Rev.0	2016	-
Additional load test 2016-5014	N141R9M2	2019-01-09	DNV GL Sandefjord

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