

# EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Council Directive 96/98/EC of 20 December 1996 on Marine Equipment as amended by directive 2014/93/EU, issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Directorate. This Certificate is issued by DNV GL AS under the authority of the Government of the Kingdom 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)  
**HMKD 3.5 & HMKGD 3.5**

Issued to  
**H. Henriksen AS**  
**TØNSBERG, Norway**

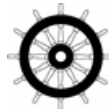
is found to comply with the requirements in the following Regulations/Standards:  
**Annex A.1, item No. A.1/1.26a and Annex B, Module B in the Directive. SOLAS 74 as amended, Reg. III/4, III/16, III/34 & X/3, LSA Code and 2000 HSC Code 8**

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

This Certificate is valid until **2021-02-25**.

Issued at **Høvik** on **2016-02-26**

DNV GL local station:  
**Sandefjord**



for **DNV GL AS**

Approval Engineer:  
**Finn-Roger Sørland**

Notified Body  
No.: **0575**

**Vidar Dolonen**  
**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 Council Directive 96/98/EC, as amended.

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.

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.

## Product description

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

- Safe Working Load, SWL = 35 kN  
(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.
- PREN for each Material batch is to be documented to have equal or higher value than demonstrated in Salt Spray testing report no. 2016-5014 rev.0.
- 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>Drwg. No.</i>	<i>Rev.</i>	<i>Title</i>
HH000083	0	HMKD 3,5 Assembly
HH020046	C	Sideplate
HH020045	B	Sideplate
HH040087	B	Hovedbolt
HH010015	1	Krokemne
2016-5014	0	H. Henriksen AS - Salt Spray(FOG) Testing 316L Material

### **HMKGD 3.5 ;**

<i>Dwg. No</i>	<i>Rev.</i>	<i>Title</i>
HH003879	B2	HMKGD 3,5 Assembly
HH023907	A3	Sideplate
HH023906	A3	Sideplate
HH043908	0	Hovedbolt
HH010015	1	Krokemne
2016-5014	0	H. Henriksen AS - Salt Spray(FOG) Testing 316L Material



Job Id: **344.1-000595-3**  
Certificate No: **MEDB00000KE**

## Tests carried out

Initial testing carried out 2006-06-08, witnessed by DNV, Høvik.

## Marking of product

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

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

**END OF CERTIFICATE**