DNV·GL

Certificate No:
MEDB00000KE

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**

for **DNV GL AS**

DNV GL local station:
Sandefjord

Approval Engineer:
Finn-Roger Sørland

Notified Body
No.: **0575**

Vidar Dolonen
Head of Notified Body

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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 ;

Drwg. No.	*Rev.*	*Title*
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 ;

Dwg. No	*Rev.*	*Title*
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

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