



DET NORSKE VERITAS

EC TYPE EXAMINATION CERTIFICATE

Application of: Council Directive 96/98/EC of 20 December 1996 on Marine Equipment as amended by directive 2012/32/EU, issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Directorate. This Certificate is issued by Det Norske Veritas under the authority of the Government of the Kingdom of Norway.

CERTIFICATE NO. **MED-B-8891**

This is to certify that the
Release mechanism for lifeboats and rescue boats launched by a fall or falls

with type designation(s)

HMK 3,5

Issued to

H. Henriksen AS
TØNSBERG, Norway

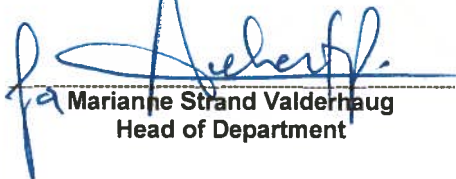
is found to comply with the requirements in the following Regulations/Standards:
Annex A.1, item No. A.1/1.26a and Annex B, Module B in the Directive. SOLAS 74 as amended, Reg. III/4, III/16, III/34 & X/3, LSA Code and 2000 HSC Code 8

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

Høvik, 2014-03-10
for Det Norske Veritas AS



This Certificate is valid until
2019-03-10


Marianne Strand Valderhaug
Head of Department

Notified Body No.: **0575**

DNV local office:
Sandefjord


Paulo Jorge Fernandes Correia
Surveyor



LADU



The Certificate is subject to terms and conditions overleaf. Any significant changes in design or construction of the product, or amendments to the Directive or Standards referenced above may render this Certificate invalid. The product liability rests with the manufacturer or his representative in accordance with Council Directive 96/98/EC, as amended. The Mark of Conformity may only be affixed to the product and a Declaration of Conformity may only be issued when the production/product assessment module referred to in the council directive, is fully complied with.



Certificate No.: MED-B-8891
Item No.: A1/1.26a
Job Id.: 344.1-002222-8

Product description

Off-load release hook with safe working load, SWL = 3.5 tonnes
The hook may be used with optional swivel joint HSL 3.5

The product will be delivered with the following versions:

- HMKST 3.5
- HMKR 3.5
- HMKRWH 3.5
- HMKRH 3.5
- HMKG 3.5
- HMKCR 3,5

The Approved adapter plate (DHH 0045 34) should be used in connection with the installation of these hooks. The hook, swivel and adapter plate is evaluated and tested with a safety factor of 6, meaning compliance both with SOLAS and NMD-853 regulations.

Application/Limitation

- Grades of materials as stated on the drawings shall be delivered with certificates.
- The various components transferring the load like wires, shackles etc. shall be delivered with Manufacturer's certificate, confirming a safety factor of minimum 6 compared to the sustained load.
- 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
HH000026	0	HMKST 3.5 Detaljtegninger/partslist
HH040001	A	Hovedbolt ø35
HH020001/02	A	Sideplate
HH010005	B	Krokemne
HH000115	0	HMKR 3.5 Details/Partslist
HH040001	A	Hovedbolt ø35
HH020065/66	A	Sideplate
HH010017	0	Krokemne
HH000709	0	HMKRWH 3.5 Sammenstilling/partslist
HH040001	A	Hovedbolt
HH020067/68	A	Sideplate
HH010005	B	Krokemne
HH000088	0	HMKRH 3.5 Details/partslist
HH040001	A	Hovedbolt
HH020051/52	A	Sideplate
AA010017	0	Krokemne
HH003050	0	HMKG 3.5 Detaljer
HH023096/97	0	Sideplate
HH010005	B	Krokemne
HH040001	A	Hovedbolt
HH004844	0	HMKCR 3.5 Assembly
HH040001	A	Hovedbolt
HH020067/68	0	Sideplate
HH010005	B	Krokemne





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Tests carried out

Initial prototype testing carried out 1999-02-02, witnessed by DNV Porsgrunn.

Marking of product

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

- Safe working load, SWL
- Type designation and Serial Number

Mark of Conformity

The manufacturer is allowed to affix the Mark of Conformity according to Article 11 in the Council Directive 96/98/EC on Marine Equipment and shall issue a Declaration of Conformity, only when the module D or E or F of Annex B in the same directive is fully complied with.

Module D: The quality system for production and testing shall be approved by the Notified Body.

Module E: The quality system for inspection and testing shall be approved by the Notified Body.

Module F: Compliance of the products to type as described in this EC Type-Examination Certificate must be verified by the Notified Body who also shall issue a Certificate of Conformity.

END OF CERTIFICATE

