

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

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 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)
HMK 15

Issued to

H. Henriksen AS
TØNSBERG, Norway

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

Regulation **(EU) 2015/559**,

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

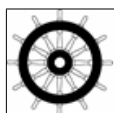
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2021-09-28**.

Issued at **Høvik** on **2016-09-29**

DNV GL local station:
Sandefjord

Approval Engineer:
Lap Van Duong



Notified Body
No.: **0575**

for **DNV GL AS**

Vidar Dolonen
Head of Notified Body

Product description

- Off-load release hook with safe working load, SWL: 15.0 Tonnes
- The hook may be used with optional swivel joint HSL 15

The product may be delivered in the following versions:

- HMKST 15
- HMKF 15
- HMKG 15
- HMKR 15
- HMKRW 15
- HMKWSG 15
- HMKWSR 15

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.
- Falls to be used with the launching appliance shall be of rotation-resistant and corrosion-resistant steel wire rope.
- Installation, onboard testing (MSC.81(70) part.2), and support to the deck 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

<i>Drawing No.</i>	<i>Rev.</i>	<i>Title</i>
HMKST 15:		
HH000034	0	Sammenstilling/partslist
HH040032	A	Hovedbolt
HH020029/30	0	Sideplate
HH010007	A	Krokemne
HMKF 15:		
HH001306	A	Sammenstilling/partslist
HH040032	A	Hovedbolt
HH021307/8	A	Sideplate
HH010007	A	Krokemne
HMKG 15:		
HH000050	0	Sammenstilling
HH020037/38	B	Sideplate
HH040032	A	Hovedbolt
HH010007	A	Krokemne

HMKR 15:		
HH00091	0	Sammenstilling/partslist
HH040032	A	Hovedbolt
HH020053/54	0	Sideplate
HH010007	A	Krokemne
HMKRW 15:		
HH000105	0	Sammenstilling
HH020059/60	0	Sideplate
HH040032	A	Hovedbolt
HH010007	A	Krokemne
HMKWSG 15:		
HH000154	0	HMKWSG 15T SF6
HH007544	1	NORHMK 10.0, MOB-Hook (NORSOK), WLL 10.0
HH007675	0	NORHMK 10
HH047728	0	Main bolt Ø55
HH027679	1	Sideplate 1 NORHMK10T
HH027680	1	Sideplate 2 NORHMK10T
HH010007	A3	Krokemne
HMKWSR 15:		
HH000155	0	HMKWSR 15T SF6
HH007676	1	NORHMKR 10.0, MOB-Hook (NORSOK), WLL 10.0
HH007675	0	NORHMK 10
HH047728	0	Main bolt Ø55
HH027679	1	Sideplate 1 NORHMK10T
HH027680	1	Sideplate 2 NORHMK10T
HH010007	A3	Krokemne
HH000064	B4	Remote Release Handle 02
Swivel:		
HH087607	3	Swivel NOR15T
HH047617	2	Main bolt NOR15T
HH087831	0	Swivel top NOR15T
HH087832	1	Swivel bolt NOR15T
HH087837	1	NOR15T welded swivel
HH117600	A1	Lifting eye to swivel 1
HH117601	A1	Lifting eye to swivel 2
HH117603	3	Bottomplate swivel
User manual	0	User manual HMKWSG 15T
User manual	0	User manual HMKWSR 15T

Tests carried out

Prototype testing carried out 2006-07-28 and 2015-04-30, witnessed by DNV Sandefjord.

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
- Safe Working Load, SWL



Job Id: **344.1-002225-4**
Certificate No: **MEDB000019D**

END OF CERTIFICATE