

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB000008A
Revision No:
2

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 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)
HMK 8

Issued to
H. Henriksen AS
TØNSBERG, Norway

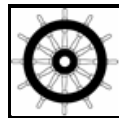
is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2020/1170,**
item No. MED/1.26a. SOLAS 74 as amended, Reg. III/4, III/16, III/34 & X/3, LSA Code, 2000 HSC Code 8 and IMO MSC.1/Circ.1419.

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

This Certificate is valid until **2025-09-10.**

Issued at **Høvik** on **2020-09-11**

DNV GL local station:
Norway Fleet in Service, East-South



for **DNV GL AS**

Approval Engineer:
Mats Asvald Innstø

Notified Body
No.: **0575**

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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



Job Id: **344.1-002224-6**
Certificate No: **MEDB000008A**
Revision No: **2**

Product description

Off-load release hook with Safe Working Load, SWL = 8 000 kg

- The hook may be used with optional swivel joint HSL 8
- The product will be delivered in the following versions:
 - HMKST 8
 - HMKR 8
 - HMKRWH 8
 - HMKRW 8
 - HMKRW 8 Custom
 - HMKG 8
 - HMKWS 8 (unique swivel joint)
 - HMKRHB 8

Application/Limitation

- Grades of materials as stated on drawings are to be delivered with maker's product certificates (3.1).
- The various components transferring the load like wires, shackles, hooks, 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.
- Support to hull structure is not included in this examination and shall be evaluated separately.

Type Examination documentation

<u>Drawing No.</u>	<u>Rev.</u>	<u>Title</u>
HH000028	-11	HMKST 8.0 Sammenstilling/partslist
HH040011	A2	Hovedbolt
HH020005/6	A6/A8	Sideplate
HH010003	A5	Krokemne
HH000087	-9	HMKR 8.0 Sammenstilling/partslist
HH040011	A2	Hovedbolt
HH020049/50	-3/A5	Sideplate
HH010016	-3	Krokemne
HH002200	-10	HMKRWH 8.0 Sammenstilling/partslist
HH040011	A2	Hovedbolt
HH022198/199	-2/-1	Sideplate
HH010003	A5	Krokemne
HH000085	-8	HMKRW 8.0 Sammenstilling/partslist
HH040011	A2	Hovedbolt
HH020047/48	-2/-4	Sideplate
HH010016	-3	Krokemne
HH000293	--	HMKTW 8 Custom

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HH006192	-8	HMKG 8.0, Sammenstilling/partlist
HH040011	A2	Hovedbolt
HH026193/94	-3-5	Sideplate
HH010003	A5	Krokemne
HH007896	-4	HMKWS 8 Sammenstilling/partlist
HH005978	-12	Krok sammenstilling
HH025970	A1	Sideplate 1
HH025971	A2	Sideplate 2
HH040011	A2	Hovedbolt
HH010003	A5	Krokemne
HH005985	-8	Svivel
HH007652	-4	HMKRHB 8 Sammenstilling/partlist
HH027657	-3	Sideplate 1
HH027658	-3	Sideplate 2
HH040011	A2	Hovedbolt
HH010016	-3	Krokemne
M000136	A-	User Manual HMKR
M000133	A-	User Manual HMKG
M000131	A-	User Manual HMKST

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	-	December 1991	DNV Høvik, Norway
Additional testing	-	2014-04-03	DNV GL Sandefjord
HMKWS 8 w/swivel joint	-	2012-12-03	DNV GL Sandefjord

1.1 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