

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MEDB000019D
Revision No:
3

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 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 15

issued to

H. Henriksen AS
TØNSBERG, Norway

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

Regulation (EU) 2023/1667,

item No. MED/1.26a. SOLAS 74 as amended, Reg. III/4, III/16, III/34 & X/3, LSA Code, 2000 HSC Code 8, IMO MSC.1/Circ.1419 and IMO MSC.1/Circ.1630

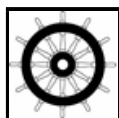
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2026-09-28**.

Issued at **Høvik** on **2024-04-11**

DNV local unit:
East & South Norway CMC

Approval Engineer:
Paulo Correia



Notified Body
No.: **0575**



for **DNV AS**

Digitally Signed By:
Aldo Matteucci
Location: **DNV Høvik, Norway**
on behalf of

Mydlak-Röder, Christine
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 1/2023 dated August 21st, 2023.



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 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 AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") 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.



Product description

Off-load release hooks with safe working load (SWL): 15.0 Tonnes. The hook designs 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
- HMKRHF 15
- HMKRW 15
- HMKWSG 15
- HMKWSR 15
- HMKTWP 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 this design shall be separately approved.
- 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

HMKST 15

| <u>Dwg/Doc. No.</u> | <u>Rev.</u> | <u>Title</u> |
|---------------------|-------------|--------------------------|
| HH000034 | -9 | Sammenstilling/partslist |
| HH040032 | B3 | Hovedbolt |
| HH020029 | -2 | Sideplate |
| HH020030 | -6 | Sideplate |
| HH010007 | B | Krokemne |

HMKF 15

| <u>Dwg/Doc. No.</u> | <u>Rev.</u> | <u>Title</u> |
|---------------------|-------------|--------------------------|
| HH001306 | -1 | Sammenstilling/partslist |
| HH040032 | B3 | Hovedbolt |
| HH021307 | A2 | Sideplate |
| HH021308 | A4 | Sideplate |
| HH010007 | B | Krokemne |

HMKG 15

| <u>Dwg/Doc. No.</u> | <u>Rev.</u> | <u>Title</u> |
|---------------------|-------------|----------------|
| HH000050 | -7 | Sammenstilling |
| HH020037 | C2 | Sideplate |
| HH020038 | C6 | Sideplate |
| HH040032 | B3 | Hovedbolt |

HH010007 B Krokemne

HMKR 15

| <u>Dwg/Doc. No.</u> | <u>Rev.</u> | <u>Title</u> |
|---------------------|-------------|--|
| HH00091 | 0 | Sammenstilling/partslist |
| HH040032 | B3 | Hovedbolt |
| HH020053/54 | 0 | Sideplate |
| HH010007 | B | Krokemne |
| User manual | -1 | M000136 User Manual - HMKR(HF)/(HB)/(HI)/(W) |

HMKRHF 15

| <u>Dwg/Doc. No.</u> | <u>Rev.</u> | <u>Title</u> |
|---------------------|-------------|--|
| HH002637 | -5 | HMKRHF 15, Off-load hook WLL 15000kg |
| HH040032 | B3 | Main Bolt |
| HH022683 | -1 | Sideplate |
| HH022684 | -3 | Sideplate |
| HH010007 | B | Krokemne |
| User manual | -1 | M000136 User Manual - HMKR(HF)/(HB)/(HI)/(W) |

HMKRW 15

| <u>Dwg/Doc. No.</u> | <u>Rev.</u> | <u>Title</u> |
|---------------------|-------------|--|
| HH000105 | -7 | Sammenstilling |
| HH020059 | -3 | Sideplate |
| HH020060 | -6 | Sideplate |
| HH040032 | B3 | Hovedbolt |
| HH010007 | B | Krokemne |
| User manual | -1 | M000136 User Manual - HMKR(HF)/(HB)/(HI)/(W) |

HMKWSG 15

| <u>Dwg/Doc. No.</u> | <u>Rev.</u> | <u>Title</u> |
|---------------------|-------------|--|
| HH000154 | -- | HMKWSG 15T SF6 |
| HH007544 | -5 | NORHMK 10.0, MOB-Hook (NORSOK), WLL 10.0 |
| HH007675 | -4 | NORHMK 10 |
| HH047728 | -2 | Main bolt Ø55 |
| HH027679 | -4 | Sideplate 1 NORHMK10T |
| HH027680 | -3 | Sideplate 2 NORHMK10T |
| HH010007 | B | Krokemne |
| User manual | 0 | User manual HMKWSG 15T |

HMKWSR 15

| <u>Dwg/Doc. No.</u> | <u>Rev.</u> | <u>Title</u> |
|---------------------|-------------|---|
| HH000155 | -- | HMKWSR 15T SF6 |
| HH007676 | -5 | NORHMKR 10.0, MOB-Hook (NORSOK), WLL 10.0 |
| HH007675 | -4 | NORHMK 10 |
| HH047728 | -2 | Main bolt Ø55 |
| HH027679 | -4 | Sideplate 1 NORHMK10T |
| HH027680 | -3 | Sideplate 2 NORHMK10T |
| HH010007 | B | Krokemne |
| HH000064 | B9 | Remote Release Handle 02 |
| User manual | 0 | User manual HMKWSR 15T |

HMKTWP 15

| <u>Dwg/Doc. No.</u> | <u>Rev.</u> | <u>Title</u> |
|---------------------|-------------|--------------------------|
| HH006101 | B4 | Hook assembly |
| HH026110 | A2 | Sideplate 12x401,5x407,9 |
| HH026111 | A2 | Sideplate 12x401,5x407,9 |
| HH016135 | 0 | Hook element assembly |

| | | |
|----------|----|-----------------------------|
| HH010007 | B1 | Hook element |
| HH040032 | B3 | Main bolt |
| D022706 | 4 | Design assessment HMKTWP 15 |

Swivel

| <u>Dwg/Doc. No.</u> | <u>Rev.</u> | <u>Title</u> |
|---------------------|-------------|-------------------------|
| HH087607 | -6 | Swivel NOR15T |
| HH047617 | -3 | Main bolt NOR15T |
| HH087831 | -- | Swivel top NOR15T |
| HH087832 | -2 | Swivel bolt NOR15T |
| HH087837 | 1 | NOR15T welded swivel |
| HH117600 | A1 | Lifting eye to swivel 1 |
| HH117601 | A1 | Lifting eye to swivel 2 |
| HH117603 | -3 | Bottom plate swivel |

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 tests | - | 2006-07-28 and 2015-04-30 | DNV Sandefjord, Norway |

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