



Certificate no.:
TAS00004SZ

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Hook

with type designation(s)
HMKTWH 8

issued to

H. Henriksen AS
TØNSBERG, Norway

is found to comply with

DNV standard DNV-ST-0498 – Launching appliances for work boats and tender boats

Application:

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.

Issued at **Høvik** on **2025-05-15**

This Certificate is valid until **2030-04-06**.

for **DNV**

DNV local unit: **East & South Norway CMC**

Approval Engineer: **Kris Michael Gabriel**

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

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 USD 300 000.

Product description

Offload hooks with twin system (dual falls)

Application/Limitation

<u>Design Parameter</u>	<u>Value</u>
Max. Safe Working Load (SWL):	8 000 kg per hook
Min. Design temperature:	-20°C

Type Approval documentation

HH022031	-4	Side plate Master
HH022030	-2	Side plate Master
HH002044.CD	--	HMKTWH 8 Master Customer drawing
HH002024	0	Hook element Assembly
HH022028	-4	Side plate Slave
HH020006	A8	Sideplate HMKST 8
HH002045.CD	--	HMKTWH 8 Slave Customer drawing
HH010003	A5	Main hook element
HH022029	-5	Side plate Slave
HH002044	-5	HMKTWH 8 master assembly
HH002045	-6	HMKTWH 8 Slave Assembly
HH040011	A2	Main bolt

Tests carried out

Prototype tested in accordance with IMO Resolution MSC.81(70) Part 1.

Marking of product

For traceability, marking of each product shall be carried out in accordance with DNV-ST-0498 and contain:

- Part number
- Serial number
- Safe Working Load
- Manufacturers name or mark
- Additional marking as relevant

Comments and conditions

- Each hook shall be tested with a static load of $2.2 \times \text{SWL}$ as per DNV-ST-0498 §B.2.1
- Each hook system shall undergo installation testing as per DNV-ST-0498 Appendix C.
- The product is to be installed and maintained as per makers instruction.
- All materials for load-carrying parts are to be delivered with 3.1 certificates documenting mechanical properties and chemical composition in accordance with the Type Approval documentation and shall comply with DNV-ST-0498 Sec. 3.
- Supports and connections to deck structure are not covered by this approval.
- Certification is based on similar hook certified in MEDB000008A.

Periodical assessment

For retention of this Type Approval Certificate, product audits shall be performed by a DNV surveyor every second year. Reference is made to DNV-CP-0338.



Job ID: **262.1-043292-1**
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This certificate is only valid if required periodical assessments are carried out with satisfactory results. To check the validity of this certificate, please look it up in <https://approvalfinder.dnv.com>

End of Certificate