

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Hook**with type designation(s)
HHH 2.5

Issued to

H. Henriksen AS
TØNSBERG, Norway

is found to comply with

DNV GL standard DNVGL-ST-0378 – Standard for offshore and platform lifting appliances**Application :****Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.**Issued at **Høvik** on **2019-04-24**This Certificate is valid until **2024-04-23**.for **DNV GL**DNV GL local station: **Norway Fleet in Service, East-South**Approval Engineer: **Mats Asvald Innstø**

Aldo Matteucci
Head of Section

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.



Product description

Equipment type: Hitch hook

- Maximum line-pull: 2500 kg (Safety-factor: 4)
- Application: Offshore
- Minimum Design temperature: -20 degrees Celcius
- Operating condition: 0-45 degree upwards relative to the horizontal plane

The operator is responsible to ensure that the line pull does not exceed the above parameters.

Application/Limitation

- All materials are to be delivered with 3.1 certificates (EN 10204:2004), documenting mechanical properties and chemical composition in accordance with the type approval documentation, and shall comply with DNVGL-ST-0378 Standard for offshore and platform lifting appliances Edition May 2016.
- Support and connection to the deck structure are not covered by this approval.

Type Approval documentation

<i>Drawing No</i>	<i>Rev.</i>	<i>Title</i>
HH000235	-2	Henriksen Hitch Hook 2,5
M000762	-1	User Manual - HHH 2,5 (ID 11905)
HH378052	--	Welded Housing HHH 2,5
HH000235	-2	Henriksen Hitch Hook 2,5
HH378058	--	Main Hook Element HHH 2,5
HH040189	A-	Main bolt hook element
HH378054	--	Sideplate HHH 2,5 Left

Tests carried out

Testing performed according to DNV GL survey report N141SSCF. Testing witnessed by DNV GL Sandefjord.

Marking of product

Each hook shall be marked according to DNVGL-ST-0378 Standard for offshore and platform lifting appliances Edition May 2016.

Periodical assessment

For retention of the Type Approval, a DNV GL Surveyor shall perform periodical assessment after two years (+/- 90 days) and after 3.5 years (+/- 90 days) to verify that the conditions for the approval are complied with. Reference is made to DNVGL-CP-0338.

END OF CERTIFICATE