

EC-TYPE EXAMINATION CERTIFICATE

Application of: Council Directive 96/98/EC of 20 December 1996 on Marine Equipment as amended by directive 2014/93/EU, issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Directorate. 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 5

Issued to

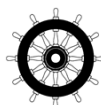
H. Henriksen AS
TØNSBERG, Norway

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

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.

Høvik, 2015-10-13
for **DNV GL AS**



This Certificate is valid until
2020-10-12

Notified Body No.: **0575**

Vidar Dolonen
Head of Department

DNV GL local office:
Sandefjord

Mats Asvald Innstø
Surveyor

Product description

Off-load release hook with safe working load 5 Tonnes
The hook may be used with optional swivel joint HSL 8.2

The product will be delivered with the following versions:

- HMKG 5
- HMKST 5
- HMKR 5
- HMKRWH 5
- HMKRW 5
- HMKRHB 5

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, hooks, etc. are to comply with international standards or codes and are to be delivered with manufacturer's certificate, confirming a safety factor minimum 6 compared to the sustained load.
- 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>
HH000027	0	HMKST 5.0 Sammenstilling/partlist
HH040006	A	Hovedbolt
HH020003/4	0	Sideplate
HH010002	B	Krokemne
HH000107	0	HMKR 5.0 Sammenstilling/partlist
HH040006	A	Hovedbolt
HH020061/62	0	Sideplate
HH010020	A	Krokemne
HH000686	0	HMKRHW 5.0 Sammenstilling/partlist
HH040006	A	Hovedbolt
HH021285/85	A	Sideplate
H0010002	B	Krokemne
HH000108	0	HMKRW 5.0 Sammenstilling/partlist
HH040006	A	Hovedbolt
HH020063/64	0	Sideplate
HH010020	A	Krokemne
HH006180	2	HMKG 5.0, Sammenstilling/partlist
HH040006	A	Hovedbolt Ø50Ø40-62
HH026182/83	-	Sideplate 6x345,1x383
HH010002	A	Krokemne 30x175,7x273,6

Job Id: **344.1-002223-7**
Certificate No: **MEDB00000AD**

HH005139	B4	HMKRHB 5, Off-load MOB hook
HH040006	B	Bolt Ø50Ø40
HH025417	-2	Sideplate 6x225x383
HH25416	A1	Sideplate 6x225x383
HH010020	A1	Krokemne 30x175,7x264,2

Tests carried out

Prototype testing carried out in December 1991, witnessed by DNV Høvik.
Additional testing is done 2014-04-03, 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
- Maximum Working Load, SWL

Mark of Conformity

The manufacturer is allowed to affix the Mark of Conformity according to Article 11 in the Council Directive 96/98/EC on Marine Equipment and shall issue a Declaration of Conformity, only when the module D or E or F of Annex B in the same directive is fully complied with.

Module D: The quality system for production and testing shall be approved by the Notified Body.

END OF CERTIFICATE