

CERTIFICATE OF CONFORMITY - EC (MODULE G)

Certificate No:
MEDG000002D

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 Launching appliances for free-fall lifeboats

with type designation and serial number
HD-50 - SN 100452 and 100455

Issued to

Norsafe AS
FÆRVIK, Norway

is, by design assessment and product verification, found to comply with
Annex A.1, item No. A.1/1.23 and Annex B in the Directive. SOLAS 74 as amended, Regulation III/4, III/16, III/23, III/33, III/34 & X/3, LSA Code and 2000 HSC Code 8

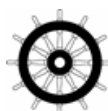
USCG Approval No: **N/A**

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

Issued at **Høvik** on **2016-02-24**

DNV GL local station:
Kristiansand S

Approval Engineer:
Paulo Correia



Notified Body
No.: **0575**

for **DNV GL AS**

Vidar Dolonen
Head of Notified Body

Product description

Free-fall lifeboat Davit with;

- Maximum Working Load, MWL = 26500 kg
- Minimum Breaking Load of Wire Rope, MBL = 520kN
- Wire Rope Diameter = 28 mm
- Secondary means of launching Maximum Hoisting Load, MHL = 26500 kg

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.
- 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), support to the deck structure, and connection to power supply are not included in this examination and shall be accepted by attending surveyor in each case.

Type Examination documentation

MAN-0020	1	Operation & Maintenance Manual - HD-50 Lifeboat Davit
MAN-0149	0	Intstallation manual for HD-50 Lifeboat Davit 7xHD-50
S-503568	0	Hook Bracket (booklet - 6 sheets)
1409	12	HD-50 Free Fall Davit (booklet - 233 sheets)
1940	9	HD-50 Free Fall Davit (booklet - 82 sheets)
CAL-0250	A	Calculation of A-frame's Cylinder Bracket HD-50
CAL-0161	2	Strength analysis of new hook system for GES50 Mk III)
CAL-0041	4	Strength analysis of HD-50 davit
CAL-0228	0	Calculation of Lifting Traverse's welding HD-50
CAL-0236	A	Calculation of A-frame's Hinges HD-50
CAL-0307	A	HD-50 Cylinder bracket
CAL-0308	A	HD-50 Cylinder bracket bolt
CAL-0309	A	HD-50 Hang-off relief arrangement
CAL-0310	A	HD-50 Spreader bar
CAL-0311	A	HD-50 Traverse report

Tests carried out

Prototype testing according to IMO Resolution MSC 81(70) carried out 2008-11-08 and witnessed by DNV GL Stord for identical design, ref. MED-G-1978. FAT test for SN100452 and SN100455 carried out 2015-11-19.



Job Id: **344.1-004981-1**
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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, MWL

The Mark of Conformity shall include DNV Notified Body number and the last two digits of the production year.

END OF CERTIFICATE