

# EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

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 GL AS under the authority of the Government of Norway.

**This is to certify:**

**That the Liferaft launching appliances (Davits)**

with type designation(s)  
**NDSC-R-23**

Issued to

**VIKING NORSAFE LIFE-SAVING EQUIPMENT NORWAY AS  
FÆRVIK, Norway**

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

Regulation **(EU) 2019/1397**,  
**item No. MED/1.24. SOLAS 74 as amended, Regulation III/4, III/12, III/16, III/34 & X/3, LSA Code and 2000 HSC Code 8**

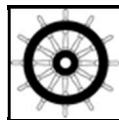
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2025-05-06**.

Issued at **Høvik** on **2020-05-07**

DNV GL local station:  
**Norway CMC, West**

Approval Engineer:  
**Paulo Correia**



Notified Body  
No.: **0575**



for **DNV GL AS**

Digitally Signed By: Matteucci, Aldo  
Location: DNV GL Høvik, Norway  
Signing Date: 17.09.2020  
on behalf of

**Roald Vårheim**  
**Head of Notified Body**



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 GL 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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 GL AS, its parent companies and subsidiaries as well as their officers, directors and employees ("DNV GL") 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

Life raft Davit examined for two winch models;

- Maximum Working Load, MWL = 2300 kg
- Wire Rope diameter: winch model DW-25 = 16mm and winch model ZR4.15 = 13mm

Version 1 examined for winch model DW-25 and ZR4.15 with 150mm height foundation

Version 2 examined for winch model DW-25 and ZR4.15 with 150mm to 750mm height foundation

## Application/Limitation

- Grades of materials as stated on drawings are to be delivered with maker's product certificates (3.1).
- The various components transferring the load like wires, shackles, hooks, 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, on-board 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

<i>Drawing No.</i>	<i>Rev.</i>	<i>Title</i>
		CAL-0140-4
		CAL-0158-3
	3	Document Index DocId-2996
	5	Document Index DocId-397
G-500213	2	General Arrangement with ZR4.15 winch (150mm foundation)
G-500496	0	General Arrangement with ZR4.15 winch (750mm foundation)
G-500219	2	General Arrangement with DW25 winch (150mm foundation)
G-500434	0	General Arrangement with DW25 winch (750mm foundation)
R-500767	0	General arrangement of all NDSC-R-23 versions

## 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>
----	SOLAS reg.48	2000-11-14	DNV GL Kristiansand, Norway
A10154 rev.2	MSC/Circ.980/Add.2	2015-04-17	DNV GL Jiangyin, China

## 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
- Maximum Working Load, MWL

## END OF CERTIFICATE