

# EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:  
**MEDB00000N5**  
Revision No:  
**3**

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 AS under the authority of the Government of Norway.

## This is to certify:

**That the Embarkation ladders**

with type designation(s)

**Embarkation ladder, ARD ELP 001 - max. 120 steps**

Issued to

**ARDUINO S.r.l.**  
**Genova, GE, Italy**

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

Regulation (EU) 2022/1157,

**item No. MED/1.29. SOLAS 74 as amended, Reg. III/4, III/11, III/34 & X/3, LSA code, 2000 HSC code 8 and IMO MSC.1/Circ.1285**

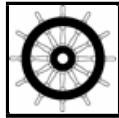
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2024-02-04**.

Issued at **Høvik** on **2023-08-18**

DNV local unit:  
**Italy/Malta CMC**

Approval Engineer:  
**Izabela Misztal**



Notified Body  
No.: **0575**

for **DNV AS**

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**Sverre Olav Bergli**  
**Head of Notified Body**

A U.S. Coast Guard approval number will be assigned to the equipment when the production module has been completed and will appear on the production module certificate (module D, E or F), as allowed by the "Agreement between the United States of America and the EEA EFTA states on the mutual recognition of Certificates of Conformity for Marine Equipment" signed 17 October 2005, and amended by Decision No 1/2019 dated February 22nd, 2019.



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 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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 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 300,000 USD.



**Product description**

Embarkation ladders with:

- seizing system solution 1
- seizing system solution 2
- mechanical clamp system / ferrules

Side ropes of ≥20 mm diameter are made of mildew-resistant manila or sisal rope meeting ISO 1181:2004, Quality 1 requirements.

Steps are made of hardwood (beech) and rubber.

Steps: max. 120

Length: max. 42 metres

**Application/Limitation**

- This examination does only consider the embarkation ladder and not the installation arrangement. Installation to be approved on board.
- Handholds shall be provided to ensure a safe passage to and from the ladder.
- Maximum length of the ladder shall be 42 m.
- Each rope shall be continuous, with no joints below the top step.
- The side rope seizing is to have minimum breaking strength of 800 N.
- Each ferrous metal part shall be coated in accordance with ISO1461 (ISO 5489:2008 Ch.3.3.2).

**Type Examination documentation**

Drawing no.	Rev.	Title	Date
ARD ELP 001/6	6	Embarkation Ladder	2023-04-07
ARD ELP001	X	Technical data sheet – embarkation ladder	2023-04-02
A0573505	-	DNV GL renewal/modification survey report no. 344.1-004303-13	2018-11-26
A01279246-1	-	DNV GL annual survey test report no. 344.1-004303-2	2016-02-26.
GEN-12-1173-2	1	DNV-GL prototype survey and test report	2014-02-07

**Tests carried out**

Tests are documented in accordance with ISO5489:2008(E), Ch.5/Table 1.

**Marking of product**

The product is to be indelibly marked with name of manufacturer, type designation, dimensions and date of manufacture, according to LSA Code Ch. 1.2.2.9 and ISO5489:2008(E), Ch.7.

**End of Certificate**