

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB00000N5
Revision No:
1

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 Embarkation ladders

with type designation(s)
Embarkation ladder, ARD ELP 001 - max. 120 steps

Issued to
ARDUINO SRL
Genova, GE, Italy

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2018/773**,
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 ISO 5489:2008

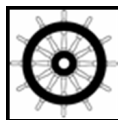
Further details of the equipment and conditions for certification are given overleaf.

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

Issued at **Høvik** on **2019-02-05**

DNV GL local station:
Genoa

Approval Engineer:
Øystein Holte



Notified Body
No.: **0575**

for **DNV GL AS**

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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



Job Id: **344.1-003651-3**
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Product description

Embarkation Ladder made of mildew-resistant manila or sisal rope meeting requirements of ISO 1181:1990, Quality 1.

Steps: max. 120 steps
Length: max. 42 m

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 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

DNV GL no.	Tech.doc. ref.	Rev.	Description
5	Survey report	-	DNV GL renewal/modification survey report no. 344.1-004303-13, A0573505 dated 2018.11.26
3	ARD ELP 001/3	4	Embarkation Ladder drawing. Dated 2016-02-11.
4	Survey report		DNV GL annual survey test report no. 344.1-004303-2, A01279246-1. Date 2016-02-26.
-	Test report		Prototype test report GEN-12-1173-2 Rev. 1, witnessed by DNV GL. 2014-02-07.

Tests carried out

Tests are documented in accordance with recommendation on testing of embarkation ladder in ISO 5489:2008(E), Sec.5.

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 ISO 5489:2008 Chapter 7.