

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB000044S
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 AS under the authority of the Government of Norway.

This is to certify:

That the Line-throwing appliances

with type designation(s)
PLT SOLAS

Issued to

Restech Norway AS
Bodø, Norway

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

Regulation **(EU) 2022/1157,**

item No. MED/1.11. SOLAS 74 as amended, Regulation III/4, III/18, III/34 & X/3, LSA Code and 2000 HSC Code 8

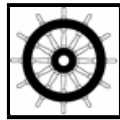
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2028-08-10**.

Issued at **Høvik** on **2023-08-11**

DNV local unit:
Trondheim

Approval Engineer:
Roland Priebe



Notified Body
No.: **0575**

for **DNV AS**

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

“PLT SOLAS”

line throwing appliance of a hand-held pneumatic type consisting of a pressurized air cylinder, anodized aluminium and stainless-steel launching unit and four projectiles, each containing minimum 230 m nylon line.

Projectile weight: 1.8 kg
 Launching unit: 9.6 kg
 Fully equipped weight: 11.4 kg

Application/Limitation

Approved for use as Line-throwing appliances onboard ships.

The design assessment is based on IMO Res. MSC.48(66), as amended by IMO Res. MSC.207(81) and IMO Res. MSC.218(82).

The air cylinder shall be pressurized to minimum 200 bars, maximum 300 bars. The air cylinder shall be checked periodically according to user manual and have a hydrostatic test performed every 5 years from date of manufacture.

The unit shall be stored in a dry and safe place when not in use.

Production and installation testing shall be carried out according to IMO Res. MSC.81(70), Part 2, Ch.4.

Each product is to be supplied with its manual for installation, use and maintenance.

Type Examination documentation

Test report from tests performed at Restech Norway AS, Bodø dated 27 April 2018 and witnessed by DNV.

Technical documentation:

| Drawing No | Rev. | Title | Date |
|------------|------|---|------------|
| | | PLT SOLAS - Bill of material | |
| | | PLT SOLAS - Tensile test of lines for projectiles | 2018-04-17 |
| | | PLT SOLAS - Cyclic test of projectile | 2018-01-29 |
| | | PLT SOLAS - User Manual | 2022-09-01 |
| | | PLT SOLAS - Test report (Cyclic tests, low and high temperatures and launching tests) | 2018-04-28 |
| 26-00 | 1.1 | PLT SOLAS - Projectile | 2022-10-18 |
| 24-05-00 | 1.1 | PLT SOLAS - Air cylinder cover | 2022-10-18 |
| 24-04-00 | 1.1 | PLT SOLAS - Grip | 2022-10-18 |
| 24-03-00 | 1.0 | PLT SOLAS - Trigger valve | 2018-04-24 |
| 24-02-00 | 1.2 | PLT SOLAS - Regulator | 2021-10-13 |
| 24-01-00-1 | 1.2 | PLT SOLAS - Main unit | 2022-10-18 |
| 24-00-00 | 1.0 | PLT SOLAS - Base unit, overview | 2018-04-25 |

Tests carried out

Tests are documented in accordance with recommendation on testing of Lifesaving Appliances, IMO Res. MSC.81(70) Part 1.

Marking of product

The product is to be marked with name and address of manufacturer, type designation, date of manufacture, date of expiry, operational restrictions, Mark of Conformity and USCG number if applicable (see first page).

The product should be provided with brief instructions or diagrams clearly illustrating the use printed on the casing.