



TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MERB000044S
Revision No:
1

This Certificate is issued by DNV UK Limited based on authorisation of the Maritime & Coast Guard Agency (MCA) as an UK Approved Body to undertake conformity assessments on marine equipment in accordance with the requirements of the Merchant Shipping (Marine Equipment) Regulations 2016 as amended.

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 **MSN 1874 Amendment 7,**

item No. UK/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 **2028-08-27**.

Issued at **London** on **2023-08-28**

DNV local unit:
Trondheim



for **DNV UK Ltd.**

Approval Engineer:
Tessa Biever

Approved Body No.: **0097**

Christine Mydlak-Roeder
MER Service Responsible



**Maritime &
Coastguard
Agency**

UK Approved Body Authorised
by the MCA

This certificate will not be valid if the manufacturer makes any changes or modifications to the approved type of equipment, which have not been notified to, and agreed with the approved body named on this certificate.

During the period of validity of this certificate the applicable regulations (international conventions and the relevant resolutions and circulars of the IMO) and testing standards may change, therefore the product conformity may need to be re-assessed by the Approved 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-control phase module (D, E or F) of Schedule 2 of the Merchant Shipping (Marine Equipment) Regulations 2016, as amended is fully complied with and controlled by a written inspection agreement with an approved body. In case limitations of use apply, these should be indicated in the Annex.

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 and UK Mark of Conformity (see first page).

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