



TYPE APPROVAL CERTIFICATE

Certificate No:
TALB000002A
Revision No:
1

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

SOLAS 74 as amended, LSA Code as amended. IMO Resolution MSC.81(70) as amended
TP14475E Ed.1 (2010-03) Canadian life saving appliance standard

Application :

Approved for use as Line Throwing Appliance onboard ships.

This Certificate is recognized by Transport Canada.

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.

Issued at **Høvik** on **2023-08-11**

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

for **DNV**

DNV local unit: **Trondheim**

Approval Engineer: **Roland Priebe**

Jowita Permoda
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

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), and Canadian Life Saving Appliance Standard TP 14475E Part I, Ch.VII item 7.1.

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 and Canadian Life Saving Appliance Standard TP 14475E Part II, Ch. 9.

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 information as required by LSA Code items 1.1.2.9.

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

All instructions, maintenance and training manuals and markings accompanying the line-throwing appliance shall be in both English and French, as per “Procedures for Approval of Life-Saving Appliances and Fire Safety Systems, Equipment and Products” (TP14612) Ch.2.2.1.3 and as outlined in Canadian Life Saving Appliance Standard (TP 14475E) Ch.15.

Transport Canada Approval

Based on the procedures laid down in the Transport Canada Publication entitled “Procedures for Approval of Life-Saving Appliances, Fire Safety Systems, Equipment and Products” (TP14612), DNV confirms that the product/s listed in this certificate is/are in accordance with Transport Canada's requirements.



Job Id: **262.1-028864-2**
Certificate No: **TALB000002A**
Revision No: **1**

Periodical assessment

DNV 's surveyor is to be given permission to perform Periodical Assessments at any time during the validity of this certificate and at least after 2 years and again after 3.5 years. The arrangement is to be in accordance with procedure described in DNV-CP-0338 Section 4.