

TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MERB0001ND9
Revision no.:
0

This Certificate is issued by DNV UK Limited, UKAS accredited certification body no. 6086, based on authorisation of the Maritime & Coast Guard Agency (MCA) as an UK Approved Body (no. 0097) to undertake conformity assessments on marine equipment in accordance with the requirements of the Merchant Shipping (Marine Equipment) Regulations 2025.

This is to certify:

that the **Line-throwing appliances**

with type designation(s)
YB-LT300 pneumatic line-throwing appliance

is found to comply with the Regulation (UK) **MSN 1874 Amendment 11** for
Item no. **UK/1.11 (Row 1 of 1)**
according to the following requirements:

SOLAS 74 Reg. III/18, SOLAS 74 Reg. III/34, IMO Res. MSC.36(63)-(1994 HSC Code) 8, IMO Res. MSC.48(66)-(LSA Code) I, IMO Res. MSC.48(66)-(LSA Code) VII, IMO Res. MSC.97(73)-(2000 HSC Code) 8, IMO MSC.1/Circ.1633, SOLAS 74 Reg. III/4, SOLAS 74 Reg. X/3.

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

Date of issue: **2026-09-09**

Expiry date: **2031-09-08**

DNV local unit:
Shanghai

Approval Engineer:
Timo Linn

Approved Body No.: 0097

for **DNV UK Ltd.**



Digitally Signed By:

Christine Mydlak-Röder

Christine Mydlak-Röder
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 2025, 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 USD 300 000.

Product description

“YB-LT300 pneumatic line-throwing appliance”

is a line-throwing appliance with a launching system based on compressed air as driving force and with minimum shooting range of 230 m. The hand-held base firing unit has a built-in cylinder for compressed air up to 300 bars. The projectiles are made of ABS plastic with an aluminium alloy inner tube containing a 260 m long and 3 mm thick high strength polyethylene line. The breaking strength of the high strength polyethylene line is not less than 2000 N. The projectiles are reloadable and reusable.

Design weight: 8 kg.

Application/Limitation

Approved for use as Line-throwing appliances onboard ships.

The air cylinder shall be pressurized to maximum 300 bar.

The air cylinder shall be checked periodically according to user manual and have a hydrostatic test performed every 5 years from date of manufacture as written on the Declaration of Conformity for the launcher.

The line has no expiration date as long as it is stored in a dry place without direct sunlight.

To conform to the requirements of LSA Code Ch. 7.1.1, one Line-throwing Appliance must include not less than 4 projectiles.

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

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

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

Type Examination documentation

Document No.	Rev.	Title
YB-LT300.00		Drawing YB-LT300 Pneumatic line thrower from manufacturer
2025042		Test report dated 12 March to 25 April 2025 from Wuhan Testing Center of Marine Life-saving Appliances, Wuhan, China

Tests carried out

Tests are documented in accordance with recommendation on testing of Life-Saving Appliances, IMO Res. MSC.81(70), part 1, including IMO Res. MSC.200(80), IMO Res. MSC.226(82) and ISO 15736:2006.

Marking of product

The product is to be indelibly marked with name and address of manufacturer, type designation and date of manufacture. The markings shall comply with the LSA Code Ch. 1.2.2.9 and the Mark of Conformity (see first page).

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