

**KR HELLAS LTD.**  
41, Athinas Av., Vouliagmeni,  
GR-16671, Athens, Greece  
TEL: +30-210-428-6736  
FAX: +30-210-428-6728



**Certificate No : MED-MB-1355-24**  
**MED Item No. : MED/1.11**

This consists of 3 pages.  
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## EC TYPE-EXAMINATION CERTIFICATE

**as per Module B**  
**of European Council Directive 2014/90/EU on Marine Equipment (MED)**

**THIS IS TO CERTIFY** that KR Hellas Ltd., designated by the Hellenic Republic as Notified Body according to Council Directive 2014/90/EU on Marine Equipment, did undertake the EC Type Examination procedures for the equipment identified below which was found to be in compliance with the requirements of Marine Equipment Directive (MED) 2014/90/EU:

<b>Manufacturer</b>	<b>Name</b> : Lalizas Hellas S.A
	<b>Address</b> : 3 Gounari str, Piraeus, Attiki, Greece
<b>Authorised Representative</b>	<b>Name</b> : Not applicable
	<b>Address</b> : Not applicable
<b>Regulation Item (MED item designation)</b>	: Line-throwing appliances
<b>USCG Approval Category (if not applicable, input N/A)</b>	: 160.040
<b>Product Types</b>	: 75295- LALIZAS Pneumatic Line Throwing Device
<b>Specified Standards Commission Implementing Regulation (EU)2023/1667 - Row 2 of 2</b>	: SOLAS 74 Reg. III/4, III/18, III/34, X/3 IMO Res. MSC.36(63)-(1994 HSC Code) 8, IMO Res. MSC.48(66)-(LSA Code) I, VII, IMO Res. MSC.97(73)-(2000 HSC Code) 8, IMO MSC.1/Circ.1633, IMO Res. MSC 81(70), as amended, ISO 15736:2006
<b>Date of issue</b>	: 2024-07-05
<b>Expiration Date</b>	: 2029-07-04

Issued at Athens, under the authority of the Hellenic Republic by **KR Hellas Ltd.**



Notified Body No.2198



*Dr. Park Joosung*  
**CEO of KR Hellas Ltd.**



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## Attachment to EC Type Examination Certificate (1/2)

### Type Examination documentation:

Drawing No	Title	Date
7529500	General Assy	25.04.2024
7529501	Projectile Assy	25.04.2024
7529502	Launcher Tube	25.04.2024
7529503	Trigger Mechanism	25.04.2024
7529504	Cylinder with Valve	25.04.2024
7529505	Cylinder Case	25.04.2024

### Product description:

Product: 75295- LALIZAS Pneumatic Line Throwing Device/ MED/1.11 - Line-throwing appliances

1. Weight/Length:
  1. Device (with the projectile):  $\approx 11.5$  kgr / 1.43m
  2. Projectile:  $1700 \pm 135$ gr / 750 mm
  3. Projectile Diameter: 84 mm
2. Shooting Chamber Pressure: 80 bar
3. Air Cylinder Pressure:  $210 \pm 5$  bar
  1. Volume: 2 Liters
4. Minimum Shots: 4 Projectiles
5. Line (Rope)
  1. Material: Ultra-high molecular weight polyethylene (UHMWPE)
  2. Diameter:  $2.5 \pm 0.2$  mm
  3. Number of Strands: 12
  4. Length of Line: 250 m

### Test Reports:

Report No	Title	Inspection and Testing Institute	Date
KRH-MED-0155-2024	Report of conformity assessment for Module B	KR Hellas Ltd.	27.06.2024
QR-070504A	Raw Material Inspection Standard	Lalizas SA	13.05.2024

### Application/Limitations of use:

1. 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 notified body named on this certificate.
2. Instructions for installation, use and maintenance to be available in the ship's official language.
3. Packaging: Fabric Bag with foam partitions

### Marking of product:

#### 1. Mark of Conformity

The manufacturer is allowed to affix the Mark of Conformity  according to Chapter 2, Article 9, 10 of the Council Directive 2014/90/EU on marine equipment and issue a Declaration of Conformity, only when the module D or E or F of Annex II of the directive is fully complied with.

#### 2. Marking of product for identification

Product shall be permanently marked with:

- Manufacturer Name and Address
- Type designation and Serial Number
- "SOLAS 96" or "IMO LSA Code"



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- ISO 15736
- Month and year of manufacture

**Conditions of validity:**

1. The products are to be manufactured in accordance with the approved production quality assurance system (Module D) or approved product assurance system (Module E) or are to be subjected to product verification (Module F) of the Council Directive 2014/90/EU on Marine Equipment.
2. If the Directive or the applied Standard(s) is amended, the product is to be re-approved in accordance with the amended requirements prior to it being supplied to vessels to which the amended Directive or Standard(s) apply. Any significant changes in design or construction of the product, or amendments to the Directive or Standards referenced above may render this certificate invalid.
3. The Manufacturer must inform the "Notified Body" of all modifications which may affect compliance with the requirements.
4. The Mark of Conformity may only be affixed to the product and a Declaration of Conformity may only be issued when the production/product assessment module referred to in the council directive, is fully complied with.

**Place of Production:**

1. Xiamen Marine Industries Co., Ltd  
No.100,Jingquan Road, Jimei Northern Industrial Area, Xiamen, China ,361021
2. Lalizas SA (for production testing only)  
15, 28th October Str., St. Ioannis Rentis, PC 18233, Athens, Greece

**Remarks:**

- None.

*End of Certificate*

