



**EC TYPE EXAMINATION (MODULE B)**  
**CERTIFICATE No. MED151722CS/007**

***This is to certify** that RINA Services S.p.A. (Notified Body No. 0474) did undertake the relevant type approval procedures for the equipment identified below, which was found to be in compliance with the Navigation Equipment requirements of Marine Equipment Directive (MED) 2014/90/EU, including the requirements and testing standards of Regulation (EU) 2021/1158.*

*MED Item N°*

**MED/4.23**

*Description*

**Magnetic compass Class B for lifeboats and rescue boats  
ZENITH 3"**

*Type*

**MODELS: BZ1 BZ2 BZ3**

*Applicant*

**RIVIERA SOCIETA' A RESPONSABILITA' LIMITATA  
GENOVA**

VIA INFERIORE RIO MAGGIORE 4 A  
16123 Genova (GE)  
ITALY

*Testing standards*

**ISO 1069:1973, ISO 25862:2019, IEC 60945:2002 incl. IEC 60945 Corr. 1:2008.**

*Reference standards*

**SOLAS 74 Reg. III/34, IMO Res. MSC.48 (66) -(LSA Code) IV,V, IMO Res.MSC.36(63)-(1994 HSC Code) 8,13, IMO Res.MSC.97(73)-(2000 HSC Code) 8,13.**

*Issued in Genoa on*  
**April 27, 2022**

*This Certificate is valid until*  
**April 26, 2027**

*This Certificate consists of this sheet plus an attachment*

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**Giovanni Carratino**

*RINA Services S.p.A.*



**ATTACHMENT TO  
CERTIFICATE No. MED151722CS/007  
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*Manufacturer*

**RIVIERA SOCIETA' A RESPONSABILITA' LIMITATA GENOVA**

*Place of Manufacturer*

VIA INFERIORE RIO MAGGIORE 4 A  
16123 Genova (GE)  
ITALY

**Product description**

Hemispherical compass type;  
Material of bowl: nylon/glass fibre;  
Material of spherical bowl: polycarbonate;  
Compass card: dia. 57 mm ; apparent dia 80 mm;  
Number of magnets: 2;  
Magnetic moment: 0,190 A.m<sup>2</sup>;  
Type of liquid: SHELL SOL D 70;  
Magnets for compass adjustment: no. 4.

**Field of application**

Magnetic compass for lifeboats and rescue boats.

**Reference documents**

Technical spec. modello BZ1, BZ2, BZ3 dated. 11 July 2000;  
Drwg no. 095 - BZ1 filed by RINA with n° 02319904;  
Drwg. no. 111- BZ2 filed by RINA with n° 02319905;  
Drwg. no. 112 - BZ3 filed by RINA with n° 02319906;  
Materials data sheets filed by RINA with n° CSST/20233;  
Materials data sheets filed by RINA with n° CSST/20255.

**Tests carried out**

Test report n° 1999DGTO454/4 dated July 12, 2000.  
Test report n° 222041A-b filed by RINA with n° CSST/20232.  
Test report n° 22-4790306765-1-1-0-PER filed by RINA with n° CSST/20234.  
Test report n° VR2208201RIOF.docx filed by RINA with n° CSST/20235.  
Test report n° 22-4790306765-1-1-0-PER filed by RINA with n° CSST/20236.

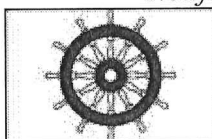
This certificate annuls and replaces the certificate No. MED174719CS/007 dated 05/23/2019 due to testing standards updates.



ATTACHMENT TO  
CERTIFICATE No. MED151722CS/007

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*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 Annex II of the Directive is fully complied with a written inspection agreement with a Notified Body*



XXXX/YYYY

*"WHEELMARK FORMAT"*

XXXX      *Notified Body number undertaking surveillance module*

YYYY      *The year in which the mark is affixed*

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***General conditions for the approval***

- a) The initial conditions verified by RINA at the time of the approval are to be maintained
- b) Any changes to the initial conditions are to be promptly communicated to RINA, which reserves the right to repeat the relevant assessment
- c) This certificate will no be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with RINA
- d) RINA personnel are to be allowed to witness during the performances of activities, upon their request
- e) The activities are to be carried out in compliance with the RINA Rules and/or other applicable Rules
- f) Should the specified regulations or standards be amended during the validity of this certificate, the product is to be reapproved prior to it being placed on board vessels to which the amended regulations or standards apply.

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**Giovanni Carratino**



**PRODUCTION QUALITY ASSURANCE (MODULE D)**  
**CERTIFICATE No. MED098522GE/007**

*This is to certify that RINA Services S.p.A. did undertake the relevant quality assessment procedures for the equipment of the manufacturer identified below, which was found to be in compliance with the Navigation Equipment requirements of Marine Equipment Directive (MED) 2014/90/EU, including the requirements and testing standards of (EU) 2021/1158 and according to the type described in the EC Type Examination Certificate (Module B) below indicated.*

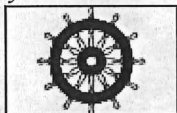
MED Item N°	MED/4.23
Description	Magnetic compass Class B for lifeboats and rescue boats
Type	ZENITH 3"
	MODELS:: BZ1; BZ2; BZ3
Applicant	<b>RIVIERA SOCIETA' A RESPONSABILITA' LIMITATA</b> <b>GENOVA</b> VIA INFERIORE RIO MAGGIORE 4 A 16123 Genova (GE) ITALY
Module B certificate	Number <b>MED151722CS/007</b> Date <b>27/04/2022</b> Notified Body <b>RINA (No. 0474)</b>

Issued in *RINA Genoa Marine*  
on  
May 13, 2022

*This Certificate is valid until*  
May 12, 2025

*This Certificate consists of this sheet plus an attachment*

*This certificate authorises the Manufacturer or his authorised representative established within the Community in conjunction with the EC TYPE EXAMINATION (MODULE B) CERTIFICATE to affix the following symbol on the equipment above identified.*



**0474/YYYY**

YYYY      *The year in which the mark is affixed*

**RINA**      Ursomando Enrico  
RINA Services S.p.A.  
26543

**Enrico Ursomando**  
RINA Services S.p.A.





ATTACHMENT TO  
CERTIFICATE No. MED098522GE/007

*Equipment:*

ZENITH 3"

MODELS:; BZ1; BZ2; BZ3

*Manufacturer*

RIVIERA SOCIETA' A RESPONSABILITA' LIMITATA GENOVA

*Place of Manufacturer*

VIA INFERIORE RIO MAGGIORE 4 A

16123 Genova (GE)

ITALY

*Technical documentation*

INTERMEDIATE SCHEDULED AND UNSCHEDULED AUDITS			
Due Date	Carried out on	Surveyor's signature	Surveyor's stamp
12/05/2023	21.05.2023		 Michelino Casella Marine Surveyor RINA Services S.p.A. 1184
12/05/2024	09.05.2024		 Enrico Ursomando Marine Surveyor RINA Services S.p.A. 1184

**General conditions for the approval**

- a) The initial conditions verified by RINA at the time of the approval are to be maintained
- b) Any changes to the initial conditions are to be promptly communicated to RINA, which reserves the right to repeat the relevant assessment
- c) RINA personnel are to be allowed to witness during the performances of activities, upon their request
- d) The activities are to be carried out in compliance with the RINA Rules and/or other applicable Rules
- e) RINA may revoke the approval in the case of modifications to requirements or conditions for the approval
- f) Should the specified regulations or standards be amended during the validity of this certificate, the product is to be reapproved prior to it being placed on board vessels to which the amended regulations or standards apply.
- g) This certificate loses its validity in case the EC type Examination (Module B) certificate is no more valid.

**Enrico Ursomando**  
Ursomando Enrico  
RINA Services S.p.A.  
26543