



**TYPE APPROVAL CERTIFICATE**  
No. FPE045917CS/001

This is to certify that the product identified below satisfies the requirements of the standard quoted under "Reference standard"

<i>Description</i>	Magnetic compass
<i>Type</i>	URANIA 4"
<i>Applicant</i>	BU1- BU2 - BU3 - BU4 - BU5 - BU6 - BU7 RIVIERA SOCIETA' A RESPONSABILITA' LIMITATA GENOVA VIA INFERIORE RIO MAGGIORE 4 A 16138 Genova (GE) ITALY
<i>Manufacturer</i> <i>Place of manufacture</i>	RIVIERA SOCIETA' A RESPONSABILITA' LIMITATA GENOVA VIA INFERIORE RIO MAGGIORE 4 A 16138 Genova (GE) ITALY
<i>Reference standards</i>	Guida per il riconoscimento di Tipo Omologato delle bussole magnetiche e relative chiesuole

Issued in Genoa on February 17, 2017. This Certificate is valid until February 16, 2022



  
RINA Services S.p.A.  
Paolo Brocca

This certificate consists of this page and 1 enclosure



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No. FPE045917CS/001

Enclosure - Page 1 of 1

URANIA 4"

**Product description**

Hemispherical compass type  
Material of bowl: nylon/glass fibre  
Material of spherical bowl: polycarbonate  
Compass card diameter : real =70,5mm; apparent =100mm  
Number of magnets: 2  
Magnetic moment: 0,270 A.m<sup>2</sup>  
Type of liquid: SHELL SOL D 70  
Magnets for compass adjustment: no 4

**Field of application**

Merchant ships of less than 150 GT and fishing vessels engaged on coastal navigation service.

**Reference documents**

Drawing n° 167 - Complessivo bussola BU1 5° filed by RINA with n° 2319897  
Drawing n° 183 - Complessivo bussola BU2 5° filed by RINA with n° 2319898  
Drawing n° 188 - Complessivo bussola BU3 5° filed by RINA with n° 2319899  
Drawing n° 194 - Complessivo bussola BU4 5° filed by RINA with n° 2319900  
Drawing n° 209 - Complessivo bussola BU5 5° filed by RINA with n° 2319901  
Drawing n° 221 - Complessivo bussola BU6 5° filed by RINA with n° 2319902  
Drawing n° 224 - Complessivo bussola BU7 5° filed by RINA with n° 2319903  
Technical spec. dated July 11, 2000 edit by RIVIERA Srl.

**Tests carried out**

Report no. 1999DGTO454/3edit by RINA on July 12, 2000  
Report no. 2007CS01124

**Limitation of use**

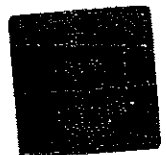
This compass, being not provided with the correctors for the quadrantal deviation, is not suitable for installation on board ships which hull or superstructure are made in steel.

**Remarks**

Each item of the mass production to be fitted on vessels classed by RINA is to be previously inspected at the manufacturer workshop by a RINA Surveyor and is to be marked or labelled with the trade name and the data of the Company to whom this Certificate is addressed. The validity of this Certificate ceases in the case of amendments to the rules on the basis of which the Certificate was issued.

Genoa February 17, 2017

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## Production Quality Assurance Certificate

CERTIFICATE Nr. FPE082219GE/001

*This is to certify that RINA, at the Manufacturer's request, did undertake the examination of the equipment identified below with the criteria for the Production Quality Assurance set-up in the "Rules for Testing and Certification of Marine Materials and Equipment".*

Description	<b>Magnetic compass</b>	
Type	<b>URANIA 4"</b>	
	<b>BU1 - BU2 - BU3 - BU4 - BU5 - BU6 - BU7</b>	
Applicant	<b>RIVIERA SOCIETA' A RESPONSABILITA' LIMITATA</b>	
	<b>GENOVA</b>	
	VIA INFERIORE RIO MAGGIORE 4 A	
	16123 Genova (GE)	
	ITALY	
Type Approval certificate	Number	<b>FPE045917CS/001</b>
	Date	<b>17/02/2017</b>

Issued in *RINA Genoa Marine*  
on  
May 13, 2019

*This Certificate is valid until*  
February 16, 2022

*This Certificate consists of this sheet plus an attachment*

**Luca Varini**

*RINA Services S.p.A.*





ATTACHMENT TO  
CERTIFICATE Nr. FPE082219GE/001

*Equipment:*

URANIA 4"

BU1 - BU2 - BU3 - BU4 - BU5 - BU6 - BU7

*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
28/04/2020	27.05.2020		Micheline Casella Marine Surveyor RINA Services S.p.A. 1184
28/04/2021			

*General conditions for the approval*

- The initial conditions verified by RINA at the time of the approval are to be maintained
- Any changes to the initial conditions are to be promptly communicated to RINA, which reserves the right to repeat the relevant assessment
- RINA personnel are to be allowed to witness during the performances of activities, upon their request
- The activities are to be carried out in compliance with the RINA Rules and/or other applicable Rules
- RINA may revoke the approval in the case of modifications to requirements or conditions for the approval
- 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.
- This certificate loses its validity in case the Type Approval certificate is no more valid.

Luca Varini