



**CERTIFICATE OF APPROVAL OF MANUFACTURERS OF
MATERIALS**
No. **FAB013709XU**

This is to certify that the manufacture of the product identified below is in compliance with the applicable requirements of the RINA Rules for the Approval of Manufacturers of Materials.

<i>Description</i>	Copper alloy castings
<i>Type</i>	Propeller brackets; rudder; alloy: Nickel copper aluminium as cast
<i>Applicant</i>	CJR PROPULSION LTD 70-72 QUAYSIDE RD, BITTERNE MANOR SO18 1AD SOUTHAMPTON UNITED KINGDOM
<i>Manufacturer</i>	CJR PROPULSION LTD
<i>Place of manufacture</i>	70-72 QUAYSIDE RD, BITTERNE MANOR SO18 1AD SOUTHAMPTON UNITED KINGDOM
<i>Reference standards</i>	RINA Rules for the approval of manufacturers of materials

Issued in **SOUTHAMPTON** on **December 11, 2019**. *This Certificate is valid until* **October 1, 2024**



RINA Services S.p.A.
Mehmet Gokhan Ugural



M. Gokhan Ugural

This certificate consists of this page and 1 enclosure



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Propeller brackets

rudder

alloy: Nickel copper aluminium as cast

APPROVAL CONDITIONS

Casting process: castings are made from ingots for which an analysis is already available, and no alloy additions are to be made.

Condition of supply: as cast **and maximum mass:** 900 Kg

Survey conditions: The products are to be in compliance in all respects with the relevant RINA Rules and are to be tested accordingly.

General conditions for the approval

-The approval is granted on condition that the RINA Rules for the approval, manufacture, testing and certification of materials are complied with in all respects.

-RINA is to be notified of any change of materials, manufacturing process, quality control routines that may affect the validity of this certificate.



RINA



M. Gokhan Ugural

**SOUTHAMPTON December 11,
2019**