



**CERTIFICATE OF APPROVAL OF MANUFACTURERS OF  
MATERIALS**  
No. **FAB057620MI**

**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>	<b>Steel castings</b>
<i>Type</i>	<b>max weight 12000 kgs</b>
<i>Manufacturer</i>	<b>FRATELLI GANDOSSI ACCIAIERIE ELETTRICHE S.P.A.</b>
<i>Place of manufacture</i>	<b>VIA ROMA, 23 24027 Nembro (BG) ITALY</b>
<i>Reference standards</i>	<b>RINA Rules for the approval of manufacturers of materials</b>

Issued in **Milano** on **October 15, 2020**. This Certificate is valid until **October 14, 2025**

 **Daniela Mangini**  
Marine Surveyor  
RINA Services S.p.A.  
1897  
RINA Services S.p.A.  
X **Enrico Ursomando**

This certificate consists of this page and 1 enclosure



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**Enclosure - Page 1 of 1**  
**max weight 12000 kgs**

**APPROVAL CONDITIONS**

**Steel Making Process:** Electric Furnace.

**Steel Types:** Carbon, Carbon-Manganese Steels.

**Heat Treatment:** Annealing, Normalizing, Normalizing and Tempering, Quenching and Tempering.

**Survey Conditions:**

all castings to be used for construction of ships classed with RINA are to be in compliance with the requirements of the 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.

**Milano October 15, 2020**

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A handwritten signature in blue ink is located in the bottom right corner of the page, overlapping the RINA logo.