



**CERTIFICATE OF APPROVAL OF MANUFACTURERS OF  
MATERIALS  
No. FAB032024MI**

**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>Standard Flanges and Miscellaneous Forgings</b>
<i>Type</i>	<b>Finish Machined Flanges Rough Machined and Finish Machined Forgings Rough Machined and Finish Machined Hot Rolled Rings.</b>
<i>Manufacturer</i>	<b>OFFICINE AMBROGIO MELESI &amp; C SRL</b>
<i>Place of manufacture</i>	<b>LARGO DE VECCHI, 11 23813 Cortenova (LC) ITALY</b>
<i>Reference standards</i>	<b>RINA Rules for the approval of manufacturers of materials</b>

*Issued in* **RINA Milan Marine** on **May 20, 2024**. *This Certificate is valid until* **May 14, 2029**

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**RINA Services S.p.A.**  
**Michele Fusco**

This certificate consists of this page and 1 enclosure

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**Finish Machined Flanges**

**Rough Machined and Finish Machined Forgings**

**Rough Machined and Finish machined Hot Rolled Rings.**

**APPROVAL CONDITIONS**

**Production Capacity Declared by Manufacturer:**

Finish Machined Flanges : size up to 120" nps;

Rough Machined and Finish Machined Forgings : 5000 kgs

Rough Machined and Finish Machined Hot Rolled Rings : 5000 kgs

**Steel Types:**

C/Mn Steel; Low Alloy; C/Mn Steel for Low Temperature Services; Stainless Steel; Nichel ALloy, Copper Alloy and Titanium.

**Process:** Open Die; Close Die; Ring Rolling.

**Heat Treatment:** Normalizing; Quanching and Tempering; Annealed Solution.

**Final Machining:** as per Standard and/or Client Requirements.

**Survey Condition:**

all forgings to be used for construction of ships classed with RINA shall meet the requirements of the RINA Rules and shall 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 Milan Marine May 20, 2024**