



**CERTIFICATE OF APPROVAL OF MANUFACTURERS OF  
MATERIALS  
No. FAB022719MI**

**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 Size up to 120" nps; Rough Machined and Finish Machined Forgings max weight 5000 kgs; Rough Machined and Finish Machined Hot Rolled Rings max weight 5000 kgs.</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* **Milano** on **August 27, 2019**. *This Certificate is valid until* **March 25, 2024**

RINA Services S.p.A.  
*Paolo Chiappini*

This certificate consists of this page and 1 enclosure



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Finish Machined Flanges Size up to 120" nps

Rough Machined and Finish Machined Forgings max weight 5000 kgs

Rough Machined and Finish Machined Hot Rolled Rings max weight 5000 kgs.

**APPROVAL CONDITIONS**

**Steel Types:**

C/Mn Steel; Low Alloy; C/Mn Steel for Low Temperature Service; Stainless Steel, Nickel Alloy, Copper Alloy and Titanium.

**Process:**

Open Die; Close Die; Ring Rolling.

**Heat Treatment:**

Normalizing; Quenching 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.

Milano August 27, 2019

