



**CERTIFICATE OF APPROVAL OF MANUFACTURERS OF
MATERIALS**
No. FAB003514MI

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>	Standard Flanges and Miscellaneous Forgings
<i>Type</i>	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
<i>Manufacturer</i>	OFFICINE AMBROGIO MELESI & C SRL
<i>Place of manufacture</i>	LARGO DE VECCHI, 11 23813 CORTENOVA (LC) ITALY
<i>Reference standards</i>	RINA Rules for the approval of manufacturers of materials

Issued in **MILANO** on **March 31, 2014**. This Certificate is valid until **March 30, 2019**

RINA Services S.p.A.
Edoardo Giribaldi



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 Rolling 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 March 31, 2014

