



**CERTIFICATE OF APPROVAL OF MANUFACTURERS OF  
MATERIALS**  
No. **FAB077319MI/001**

**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 forgings</b>
<i>Type</i>	<b>Steel forgings max weight 80000 kg</b>
<i>Manufacturer</i>	<b>FORGIATURA MORANDINI S.R.L.</b>
<i>Place of manufacture</i>	<b>VIA DELL' INDUSTRIA, 5 25040 Cividate Camuno (BS) ITALY</b>
<i>Reference standards</i>	<b>RINA Rules for the approval of manufacturers of materials</b>

*Issued in* **RINA Milan Marine** on **November 25, 2019**. *This Certificate is valid until* **December 2, 2024**



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

This certificate consists of this page and 1 enclosure



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Steel forgings max weight 80000 kg

**APPROVAL CONDITIONS**

**Steel types:** Carbon, Carbon-Manganese, Alloy and Stainless Steels

**Product Making Process:** Open Die Forging

**Heat Treatment:** Annealing, Normalizing, Normalizing and Tempering, Quenching and Tempering, Annealing Solution;

**Survey Conditions:** Miscellaneous forgings, intended for construction of RINA classed ships, testing in compliance with RINA Rules Requirements recognized Standards.



**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**  
**November 25, 2019**

