



**CERTIFICATE OF APPROVAL OF MANUFACTURERS OF
MATERIALS**
No. **FAB097719XG**

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>	Castings
<i>Type</i>	Componets made from cast iron with nodular or lamellar graphite with a max. unit weight up to 320 to.
<i>Applicant</i>	Siempelkamp Giesserei GmbH - Siempelkamp Giesserei Siempelkampstraße 45 DE-47803 Krefeld GERMANY
<i>Reference standards</i>	RINA Rules for the approval of manufacturers of materials
<i>Reference documents</i>	RINA Rules for the Classification of Ships. Part D Materials and Welding

Issued in **RINA Hamburg Marine** on **April 8, 2019**. *This Certificate is valid until* **April 1, 2024**

RINA Services S.p.A.
Pavlos Safralis

This certificate consists of this page and 1 enclosure



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APPROVAL CONDITIONS

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 Hamburg Marine April 8,
2019**

