



**CERTIFICATE OF APPROVAL OF MANUFACTURERS OF
MATERIALS**
No. FAB331424XG

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>	Castings in Grey and Spheroidal Graphite Iron maximum weight 5 t.
<i>Manufacturer</i>	DIHAG Gienanth GmbH
<i>Place of manufacture</i>	Ramsener Straße 1 67304 Eisenberg/Pfalz GERMANY
<i>Reference standards</i>	RINA Rules for the approval of manufacturers of materials

Issued in **HAMBURG** on **November 20, 2024**. *This Certificate is valid until* **November 19, 2029**



Matthias Steinbusch

RINA Services S.p.A.

This certificate consists of this page and 1 enclosure



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Castings in Grey and Spheroidal Graphite Iron

**DIHAG Gienanth GmbH
Ramser Strasse 1
67304 Eisenberg
Germany**

APPROVAL CONDITIONS

- The chemical condition and the mechanical properties are to be in accordance with the RINA requirements or equivalent recognized standards.
- Iron types : Grey Iron Casting, tensile strength between 200 and 350 N/mm²
Ductile Iron Casting, tensile strength between 400 and 700 N/mm²
- Products max. weight : 5,000 kg
- Survey conditions: all casting to be used for construction of machinery components classed with RINA shall meet the requirements of the RINA Rules and shall be tested accordingly.
- Heat treatment: tempering or stress relieving heat treatment, if requested for elevated temperature service applications. They are to be carried out after any refining heat treatment and before machining.
- Welding repairs are a part of a additional individual approval.
- RINA has to be informed about any changes in the companies structures which affect the quality of the product.

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.

HAMBURG November 20, 2024

