

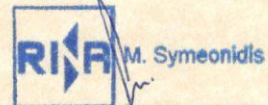


**CERTIFICATE OF APPROVAL OF MANUFACTURERS OF
MATERIALS
No. FAB303622XG**

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>	Steel forgings
<i>Type</i>	Seamless rolled rings made of steel or non-ferrous metals
<i>Manufacturer</i>	Thyssenkrupp rothe erde Germany GmbH
<i>Place of manufacture</i>	Tremoniastr. 5-11 44137 Dortmund GERMANY
<i>Reference standards</i>	RINA Rules for the approval of manufacturers of materials

Issued in **HAMBURG** on **December 21, 2022**. This Certificate is valid until **December 20, 2027**



RINA Services S.p.A.
Matthaios Chrysovalantis Symeonidis

This certificate consists of this page and 1 enclosure



Scope of Approval:

- Design and manufacturing of seamless hot rolled rings made of steel or non-ferrous metals intended for slewing rings, clutches, gearing and other applications.

Conditions of approval:

- The applicable RINA rules be complied with in all respects.
- Inspections and tests on finished products are to be carried out in the presence of a RINA surveyor as required by the applicable rules.
- RINA is to be notified of any change of materials, manufacturing processes, quality control routines that may affect the validity of this approval.

Hamburg, 21.12.2022

