



RECOGNITION CERTIFICATE

Certificate No:
MSARC0000AXW
Revision No:
2

This is to certify:

That DNV recognizes the manufacturer's procedures and processes for production and quality control applied for the manufacturing of the below products. The procedures and processes have been found to meet the quality and safety levels set forth in the DNV Rules.

for product(s)

Slewing Bearing - crane, thruster and offshore gangway

Gear and Adapter ring - thruster steering

Rolled Ring intended for Machinery / Hull Equipment - heat treatment, testing and final inspection

Manufacturer

thyssenkrupp rothe erde Germany GmbH
Lippstadt, Germany

This Certificate is valid until **2029-03-31**.

Issued at **Essen** on **2025-10-29**



for **DNV**

This document has been digitally signed and will
therefore not have handwritten signatures

Pfahlert, Andre
Principal Surveyor

Successful periodical assessments are a precondition for the validity of this certificate. The current status of the certificate is shown on <https://approvalfinder.dnv.com/>
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