



Certificate no.:
TAS0000460

TYPE APPROVAL CERTIFICATE

This is to certify:

that the **Electromagnetic Fail-Safe Brakes**

with type designation(s)
2HPB, 4HPB

issued to

Stromag GmbH
Unna, Nordrhein-Westfalen, Germany

is found to comply with

DNV standard DNV-ST-0377 – Standard for shipboard lifting appliances
DNV standard DNV-ST-0378 – Offshore and platform lifting appliances

Application:

Product(s) approved by this certificate is/are accepted for product certification and installation on all vessels classed by DNV.

Issued at **Hamburg** on **2024-03-14**

This Certificate is valid until **2029-03-13**.

DNV local unit: **Essen**

for **DNV**

Approval Engineer: **Frank Poetsch**

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.





Job ID: **262.1-040236-1**
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Product description

Application/Limitation

The torque transmitting part between motor and brake is the pinion. The used material is specified as follows:

Type Approval Documentation

Tests carried out

Marking of product

Periodical assessment