

TYPE EXAMINATION CERTIFICATE

This is to certify:**That the Brake Lining**with type designation(s)
Bremskerl 4500

Issued to

Bremskerl-Reibbelagwerke Emmerling GmbH & Co. KG
Estorf-Leeseringen, Germany

is found to comply with

DIN 15436 (1989-01) Power transmission engineering; drum- and disc brakes; technical requirements for brake linings**Application :****Asbestos-free material for brake lining**Issued at **Hamburg** on **2017-10-26**This Certificate is valid until **2022-10-20**.DNV GL local station: **Essen**for **DNV GL**Approval Engineer: **Joachim Rehbein**

Thorsten Lohmann
Head of Section

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 Examination Certificate and not to the approval of equipment/systems installed.



Job Id: **262.1-025727-1**
Certificate No: **TAS000016S**

Product description

BREMSKERL 4500: Asbestos –free woven brake lining material

Application/Limitation

Brake lining for winches, cranes, windlasses.

Any significant changes in design and/or quality of the base material will render the approval invalid.

Type Examination documentation

Tests carried out

Testing carried out according to **Type Approval documentation**.

Marking of product

Product shall be marked with *manufacturer's name* and *type designation*.

Certificate Retention Survey

The scope of the Periodical Assessment is to verify that the conditions stipulated for the Type Examination is complied with and that no alterations are made to the product design or choice of materials.

Periodical assessments will be carried out bi-yearly. When possible, this assessment may be harmonised with normal surveys for product certification and / or other surveys and audits carried out.

END OF CERTIFICATE