DNV·GL

Certificate No:
TAS000019Z

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Seats

with type designation(s)
Operator IMO

Issued to
Cleemann Chair-Systems GmbH
Ense Nordrhein-Westfalen, Germany

is found to comply with
International Code of Safety for High-Speed Craft, 2000 - Annex 10

Application :

Wheelman's and Operational seat for design level 1

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

Issued at **Hamburg** on **2017-11-20**
This Certificate is valid until **2022-11-19**.
DNV GL local station: **Essen**

Approval Engineer: **Karsten Kuhlmann**

for **DNV GL**

in behalf of Andree Orth
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 Approval Certificate and not to the approval of equipment/systems installed.

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Job Id: **262.1-024413-1**
Certificate No: **TAS000019Z**

Product description

Wheelman's and Operational Seat

Single seat directly fixed to the deck of craft by means of 4 bolts MB grade 8.8.

Main parts consist of seat bottom/back frame structure with upholstery of foams/fabrics composed of different types and quality.Basic construction is made of made from normal strength steeltubes/plates and steel bolts.

The seat is equipped with adjustable backrest and headrest.

Application/Limitation

Deck structure/ legs are not part of this approval, but is assumed separately approved, if applicable.

Any changes which may influence the strength or safety of seat shall be reported for evaluating the need of further documentation/testing and updating of approval.

Fire test of combustible materials in accordance with HSC-Code Section 7.4.3 is not part of this approval.

Type Approval documentation

CCS046-01-000-1-Z	Operator IMO
CCS 110436	Rahmengestell mit Verstärkung mit Schweißhinweis Blatt 2
1L4162A00	FA416.2 L Right Hand Rotation Device Pedestal

Materials used are specified/referred in drawings/documents above.

Tests carried out

Static test with relevance to HSC-Code Annex 10 section 2
Test report :Operator IMO.doc dated 2011-11-16

Marking of product

Seats are to be marked with type/model designation and name of manufacturer.

Periodical assessment

DNV GL is to be given permission to perform Certification Retention Surveys at any time during the validity period of this certificate. The arrangement is to be in accordance with scopes described in item 2.6.4 of Certification Note 2.9.