

APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM00001KM
Revision No:
1**This is to certify:****That****Sonderschrauben Guldner GmbH & Co. KG**
Hohe Buche 13, 97996 Niederstetten,
Germanyis an approved manufacturer of
Bolt and Nutsin accordance with
DNV GL rules for classification – Ships
DNVGL-OS-B101 – Metallic materials
DNV GL rules for classification – Naval vessels

and the following particulars:

Application area	Bolts and nuts
Steel type	Carbon and carbon-manganese, Alloy, Austenitic stainless, Martensitic stainless, Ferritic stainless, Non-magnetizable steels, See page 2
Max. diameter	See page 2
Heat treatment condition	See page 2
Additional approval conditions	See page 2

Manufacturer(s) approved by this certificate is/are accepted to deliver according to DNV GL, DNV and GL rules. Materials to be applied to DNV GL classed object shall fulfill the material requirements in the applicable DNV GL class rules.

Issued at **Hamburg** on **2020-09-18**This Certificate is valid until **2023-07-31**.DNV GL local station: **Augsburg**Approval Engineer: **Christian Wildhagen**for **DNV GL**

Digitally Signed By: Roehr, Stefan

Location: DNV GL Hamburg, Germany

Signing Date: 18.09.2020 , on behalf of

Thorsten Lohmann
Head of Section

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Job Id: **263.11-007505-2**

Certificate No:

Form code: AM 311

Rev

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Particulars of the approval

Bolts and nuts

Grade	Max. diameter [mm]	Heat treatment condition ²⁾
ISO 898-1, ISO 898-2, ISO 3506-1, ISO 3506-2, EN 10269, DIN 267-13, VG 85539, SEW 390	M36	Acc. standard

Remarks:

- Heat treatment of any material applied to classed object to be conducted at approved manufacturers/workshops
- Starting material from DNVGL approved manufacturers