



APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM00001KM
Revision No:
2

This is to certify:

That

Sonderschrauben Gldner GmbH & Co. KG
Hohe Buche 13, 97996 Niederstetten, Baden-Wrttemberg, Germany

is an approved manufacturer of
Bolt and Nuts

in accordance with

DNV rules for classification – Ships
DNV-OS-B101 – Metallic materials
DNV rules for classification – Naval vessels
DNV class programme – DNV-CP-0247 Steel forgings

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

Issued at **Hamburg** on **2023-08-02**

for **DNV**

This Certificate is valid until **2026-07-31**.

DNV local unit: **Augsburg**

Approval Engineer: **Shylate Mahachi**

Thorsten Lohmann
Head of Section

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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	M45	Acc. standard

Remarks:

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