



APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM00002BY
Revision No:
1

This is to certify:

That

Heinrich Jungeblodt GmbH & Co. KG
Belecker Landstraße 19, 59581 Warstein,
Germany

is an approved manufacturer of
Steel Forgings

in accordance with
DNV GL rules for classification – Ships

and the following particulars:

Application area	Bolts and nuts
Product	Fasteners (bolts, screws, nuts, shafts, washers, etc.)
Steel type(s)	Carbon, Carbon-Manganese, Alloy, Austenitic stainless, 22Cr duplex stainless
Manufacturing method	Hot forming, cold forming, heat treatment
Dimensions	See page 2
Heat treatment condition	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 classed object shall fulfill the material requirements in the applicable DNV class rules.

Issued at **Hamburg** on **2021-11-09**

for **DNV**

This Certificate is valid until **2024-11-27**.

DNV local station: **Essen**

Approval Engineer: **Stefan Röhr**

Thorsten Lohmann
Head of Section

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.



Form code: AM 311

Revision: 2021-03

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Particulars of the approval

Fasteners (bolts, screws, nuts, shafts, washers, etc.)

Steel type / grade	Max. diameter [mm]	Heat treatment condition
ISO 3506-1, -2	M300	acc. to standard
ISO 898-1,-2,-3,-5		
EN 17100		
EN 10084		
EN 10083-1, -2, -3		
EN 10088-1, -3		
EN 10269		
EN 10025		
DIN 17240		
DIN 17280		
DIN 17440		
DIN 17200		
DIN 17210		