



APPROVAL OF MANUFACTURER CERTIFICATE

Certificate no.:
AMMM00000U7
Revision No:
4

This is to certify:

that

Lippische Eisenindustrie GmbH
Alter Weg 57, 32760 Detmold,
Germany

is an approved manufacturer of
Bolt and Nuts

in accordance with

DNV rules for classification – Ships
DNV class programme – DNV-CP-0247 Steel forgings

and the following particulars:

Application area	Bolts and Nuts
Products	Hexagon Nuts
Steel type	Carbon and Carbon-Manganese, Alloy, see page 2
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 **2025-09-09**

for **DNV**

This Certificate is valid until **2028-02-28**.

DNV local unit: **Essen**

Approval Engineer: **Christian Wildhagen**

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 USD 300 000.

Particulars of the approval

Hexagon nuts

Steel types	Standards ³⁾	Forging method ¹⁾	Max. diameter	Heat treatment condition ²⁾
Carbon, Carbon-Manganese, Alloy	ISO 898-2, DIN 267-13	HF	M64	N, QT
	ASTM A194	HF	2 ¼"	N, QT

Remarks:

- 1) HF: Hot formed
- 2) N: Normalized; QT: Quenched and tempered
- 3) Nut materials complying with other standards may be accepted by the Society provided the materials are proved suitable