



APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM00000FG
Revision No:
3

This is to certify:

That

Lindemann GmbH & Co. KG
Orion-Eisenverarbeitung
Albert-Schweitzer-Str. 179, 32257 Bünde,
Germany

is an approved manufacturer of
Steel Pipes a Fittings

in accordance with

DNV rules for classification – Ships
DNV class programme – DNV-CP-0252 Steel pipes and steel pipe fittings

and the following particulars:

Product	Pipe fittings
Application area	Piping fittings
Steel type	Carbon and carbon-manganese, Alloy
Manufacturing method	Hot formed
Max. outer diameter	See page 2
Max. wall thickness	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 **2025-02-12**

This Certificate is valid until **2028-01-31**.

DNV local unit: **Magdeburg**

Approval Engineer: **Stefan Röhr**



for **DNV**

This document has been digitally signed and will
therefore not have handwritten signature

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 300,000 USD.

Particulars of the approval

Pipe fittings

Steel type / grade	Manufacturing method ¹⁾	Max. outer diameter [mm]	Max. wall thickness [mm]	Heat treatment condition
Carbon, Carbon-Manganese and Alloy steel grades according to EN 10253-1 and EN 10253-2	HFS	610	25	acc. to standard

Remarks:

- ¹⁾ HFS: Hot finished seamless