

APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM00000FG
Revision No:
1

This is to certify:

That

**Lindemann GmbH & Co. KG Orion-Eisenverarbeitung
Bünde, Germany**

is an approved manufacturer of
Steel Pipes and Fittings

in accordance with
DNV GL rules for classification – Ships

and the following particulars:

Product	Pipe fittings (elbows)
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 GL classed object shall fulfill the material requirements in the applicable DNV GL class rules.

Issued at **Hamburg** on **2019-04-08**

for **DNV GL**

This Certificate is valid until **2022-01-31**.

DNV GL local station: **Magdeburg**

Approval Engineer: **Stefan Röhr**

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Thorsten Lohmann
Head of Section



Job Id: **263.11-005537-2**
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Particulars of the approval

Pipe fittings (elbows)

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