



APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM00000CK
Revision No:
2

This is to certify:

That
Erne Fittings GmbH, Plant Mürzzuschlag
Industriepark, 8680 Mürzzuschlag,
Austria

is an approved manufacturer of
Fittings

in accordance with
DNV rules for classification – Ships

and the following particulars:

Product	Fittings
Application area	Piping fittings
Steel type	Carbon and carbon-manganese, Alloy, Austenitic stainless
Manufacturing method	Cold 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 **2022-06-28**

This Certificate is valid until **2025-02-14**.

DNV local station: **Vienna**

Approval Engineer: **Stefan Röhr**



for **DNV**

Digitally Signed By: Wildhagen, Christian

Location: DNV Hamburg, Germany

Signing Date: 28.06.2022, on behalf of

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

Piping fittings (elbows, tees and reducers)

Steel type ²⁾	Manufacturing method ¹⁾	Max. outer diameter [mm]	Max. wall thickness [mm]	Heat treatment condition
C and C-Mn	CFS	323,9	25	acc. standard
Alloy	CFS	323,9	25	acc. standard
Austenitic	CFS	323,9	25	acc. standard

Remarks:

- 1) CFS: Cold finished seamless
- 2) Suitable pipe fittings grades shall be selected from the following recognized standards:
EN 10253, ASTM A234, ASTM A403, ASTM A420, ASTM A815, ASTM A860