



APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM00002AR
Revision No:
3

This is to certify:

That

Wieland Austria Ges.m.b.H.
Fabrikstraße 4, 3300 Amstetten,
Austria

is an approved manufacturer of
Wrought Copper and Copper Alloys

in accordance with
DNV rules for classification – Ships
DNV class programme – DNV-CP-0253 Non-ferrous tubes

and the following particulars:

Application area	Copper and copper alloy tubes
Alloy type(s)	Copper-Nickel 90-10 Copper-Nickel 70-30
Manufacturing method	Seamless
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 **2024-11-05**

This Certificate is valid until **2027-12-31**.

DNV local unit: **Augsburg**

Approval Engineer: **Christian Wildhagen**



for **DNV**

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

Stefan Röhr

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

Copper and copper alloy tubes

Alloy type	Manufacturing method ¹⁾	Max. outer diameter [mm]	Max. wall thickness [mm]
Copper-Nickel 90-10	HFS / CFS	159	8
Copper-Nickel 70-30	HFS / CFS	159	8

Remarks:

- ¹⁾ HFS: hot finished seamless
CFS: cold finished seamless