

APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM00000JC
Revision No:
1

This is to certify:

That

Wieland Eucaro GmbH
Senator-Helmken-Str. 3, 28197 Bremen,
Germany

is an approved manufacturer of
Wrought Copper and Copper Alloys

in accordance with
DNV GL rules for classification – Ships

and the following particulars:

Application area	Copper and copper alloy fittings
Alloy type	Copper-Nickel
Manufacturing method	Seamless and welded fittings and flanges, TIG Welding
Max. outer diameter	See page 2
Max. wall thickness	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 **2019-04-23**

for **DNV GL**

This Certificate is valid until **2022-03-31**.

DNV GL local station: **Hamburg**

Approval Engineer: **Enno Brück**

Thorsten Lohmann
Head of Section



Job Id: **263.11-009810-1**
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Particulars of the approval

Copper and Copper alloy fittings (flange and fittings):

Grade	Supply Condition	Wall thickness [mm], max.	Diameter max.
DIN 86037-2	acc. to standard	-	DN 250
EHN 9512/601	acc. to standard	-	DN 250
DIN 85004-2	acc. to standard	17	610 mm
EEMUA 146-87	acc. to standard	17	610 mm
DIN 86087	acc. to standard	17	610 mm
DIN 86088	acc. to standard	17	610 mm
DIN 86090	acc. to standard	17	610 mm
DIN 86089	acc. to standard	17	610 mm