

APPROVAL OF MANUFACTURER CERTIFICATE

This is to certify:

That

Saint Remy Industrie
Rue de l'Embarcadère, 03600 Commentry,
Franceis an approved manufacturer of
Copper Alloy Castingsin accordance with
DNV GL rules for classification – Ships

and the following particulars:

Application area	Castings for valves, fittings and general application, Castings for propellers
Alloy type	Ni-Al-bronze
Manufacturing method	Sand casting
Max. weight	2 000 kg
Heat treatment condition	As cast

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 **2020-06-03**for **DNV GL**This Certificate is valid until **2023-06-02**.DNV GL local station: **France CMC**Approval Engineer: **Christian Wildhagen**

Thorsten Lohmann
Head of Section

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Job Id: **263.11-004340-3**
Certificate No: **AMMM00002S1**

Particulars of the approval

Castings for valves, fittings and general application

Alloy type	Casting method ¹⁾	Max. weight [kg]	Heat treatment condition ²⁾
Ni-Al bronze	SC	2 000	AC

Castings for propellers

Alloy type	Grade	Casting method ¹⁾	Max. weight [kg]	Heat treatment condition ²⁾
Ni-Al-bronze	VL Cu3	SC	5 000	AC

Remarks:

- 1) SC: Sand Casting
- 2) AC: As cast