DNV-GL

APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No: **AMMM0002MW** Revision No:

1

This is to certify:

That

Maatmetaal Rotterdam B.V. Terbregseweg 173, 3056 JV Rotterdam, Netherlands

is an approved manufacturer of **Copper Alloy Castings**

in accordance with

DNV GL rules for classification - Ships

and the following particulars:

Application area Castings for valves, fittings and general application

Alloy type Sn-bronze

Max. weight See page 2
Max. wall thickness See page 2
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 2020-11-30

for **DNV GL**

This Certificate is valid until **2023-12-31**.

DNV GL local station: Netherlands

Approval Engineer: Enno Brück Thorsten Lohmann
Head of Section

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Job Id: **263.11-004278-3** Certificate No: **AMMM00002MW**

Revision No: 1

Particulars of the approval

Castings for valves, fittings and general application

Alloy type ³⁾	Casting method ¹⁾	Max. weight [kg]	Heat treatment condition ²⁾
Sn-bronze	CC	2 000	AC

Remarks:

1) CC: Centrifugal casting

2) AC: As cast

3) Incl. equivalent grades in acc. to other standards

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