



APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM00001A1
Revision No:
2

This is to certify:

That

IZ-METAL CELIK URUNLERI SAN. ve TIC. A.S.
İzmir-Kemalpaşa Yolu, Hayıtlıkır Mevkii, Ulucak,
Kemalpaşa - İzmir,
Türkiye

is an approved manufacturer of
Copper Alloy Castings

in accordance with

DNV rules for classification – Ships
DNV class programme – DNV-CP-0251 Copper alloy castings

and the following particulars:

Application area	Castings for valves, fittings and general application,
Alloy type	Leaded gunmetal
Manufacturing method	Sand casting
Max. weight	2 000 kg
Max. wall thickness	120 mm
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 classed object shall fulfill the material requirements in the applicable DNV class rules.

Issued at **Hamburg** on **2023-04-25**

for **DNV**

This Certificate is valid until **2026-02-28**.

DNV local unit: **Istanbul**

Approval Engineer: **Christian Wildhagen**

Thorsten Lohmann
Head of Section

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Form code: AM 311

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Particulars of the approval

Castings for valves, fittings and general application

Alloy type	Casting method ¹⁾	Max. weight [kg]	Max. wall thickness [mm]	Heat treatment condition ²⁾
Leaded gunmetal	SC	2 000	120	AC

Remarks:

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