

# APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:  
**AMMM0000323**

This is to certify:

That

**BENEŠ a LÁT a.s.**  
Tovární 463, Poříčany,  
Czech Republic

is an approved manufacturer of  
**Wrought Aluminium and Aluminium Alloys**

in accordance with

**DNV rules for classification – Ships**  
**DNV class programme – DNV-CP-0250 Aluminium alloy castings**

and the following particulars:

|                                 |  |
|---------------------------------|--|
| <b>Application area</b>         | <b>Aluminium Casting Alloys</b>          |
| <b>Alloys</b>                   | <b>EN AC-44200,</b><br><b>see page 2</b> |
| <b>Manufacturing method</b>     | <b>Die casting,</b><br><b>see page 2</b> |
| <b>Max. weight</b>              | <b>See page 2</b>                        |
| <b>Max. wall thickness</b>      | <b>See page 2</b>                        |
| <b>Heat treatment condition</b> | <b>See page 2</b>                        |

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 **2023-06-02**

for **DNV**

This Certificate is valid until **2026-06-01**.

DNV local unit: **Prague CMC**

Approval Engineer: **Torben Schälicke**

**Thorsten Lohmann**  
**Head of Section**

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

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### Aluminium alloy castings

| Grade <sup>3)</sup>                 | Casting method <sup>1)</sup> | Max. weight [kg] | Max. thickness [mm] | Heat treatment condition <sup>2)</sup> |
|-------------------------------------|------------------------------|------------------|---------------------|--|
| EN AC-44200<br>(AlSi) <sup>4)</sup> | DC                           | 8,3              | 20                  | F                                      |

Remarks:

- 1) DC: Die-casting
- 2) F: As cast
- 3) Incl. equivalent grades in acc. to other standards
- 4) Possible application and certification of any material to classed object is subject to case by case approval