

APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM00000G9
Revision No:
1

This is to certify:

That

První brněnská strojírna Velká Bíteš, a.s.
Velká Bíteš, Czech Republic

is an approved manufacturer of
Nickel Base Alloy Castings

in accordance with
DNV GL rules for classification – Ships

and the following particulars:

| | |
|-------------------|---|
| Product | Rotor wheel castings (Wheels, Rotors and Blades) |
| Grade(s) | Nickel Base Alloy |
| Dimensions | See Particulars of the approval |

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 **2019-10-24**

for **DNV GL**

This Certificate is valid until **2022-10-23**.

DNV GL local station: **Prague**

Approval Engineer: **Stefan Röhr**

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Thorsten Lohmann
Head of Section



Job Id: **263.11-005670-2**
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Particulars of the approval

Special cast alloy

| Alloy type / grade | Casting method ¹⁾ | Max. weight [kg] | Max. diameter [mm] | Heat treatment condition |
|--|------------------------------|------------------|--------------------|--------------------------------|
| B:1914 acc. to ABB HZTL 650637 | VIC | 55 | 450 | acc. to customer specification |
| INCONEL 713LC acc. to customer's specification | VIC | 55 | 450 | acc. to customer specification |

Remarks:

¹⁾ VIC: Vacuum investment casting