

APPROVAL OF MANUFACTURER CERTIFICATE

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.

This Certificate is valid until **2019-02-28**.

Issued at **Hamburg** on **2016-03-31**

DNV GL local station: **Brno**

Approval Engineer: **Christian Wildhagen**

for **DNV GL**

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Thorsten Lohmann
Head of Section

Job Id: **263.11-005670-1**
Certificate No: **AMMM00000G9**

Particulars of the approval

Castings

Alloy Type	Product	Supply Condition	Casting Method	Diameter [mm], max.	Weight [kg], max.
B:1914 acc. to ABB HZTL 650637	SO	*)	VIC	450	55
INCONEL 713LC acc. to customer's specification	SO	*)	VIC	450	55

SO: special cast alloy

VIC: vacuum investment casting

*) acc. customer specification