

APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM00001W9
Revision No:
1

This is to certify:

That

Vítkovické slévárny spol. s r.o.
Halasova 2904/1, 70300 Ostrava - Vitkovice,
Czech Republic

is an approved manufacturer of
Iron Castings

in accordance with
DNV GL rules for classification – Ships

and the following particulars:

Iron type	Grey cast iron, Nodular cast iron
Casting method	See page 2
Max. weight	5 300 kg
Max. wall thickness	See page 2
Heat treatment condition	See page 2

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 **2020-12-10**

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

DNV GL local station: **Ostrava**

for **DNV GL**

Approval Engineer: **Andreas Koch**

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Thorsten Lohmann
Head of Section

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Job Id: **263.11-008411-3**
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Particulars of the approval

Cast iron

Iron type	Grade ³⁾	Casting method ¹⁾	Max. weight [kg]	Max. section / wall thickness [mm]	Heat treatment condition ²⁾
Grey	EN-GJL-150 acc. EN 1561 ⁴⁾	SC	5 300	1 000	AC
	EN-GJL-200 acc. EN 1561				
	EN-GJL-250 acc. EN 1561				
Nodular	VL NCI-1	SC	5 300	1 000	F
	VL NCI-2	SC	5 300	1 000	F
	VL NCI 370	SC	5 300	1 000	AC
	VL NCI 400	SC	5 300	1 000	AC
	VL NCI 500	SC	5 300	1 000	AC
	VL NCI 600	SC	5 300	1 000	AC
	VL NCI 700	SC	5 300	1 000	AC
	VL NCI 800	SC	5 300	1 000	AC

Remarks:

- 1) SC: Sand casting
- 2) AC: As cast
F: Ferritizing
- 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