



APPROVAL OF MANUFACTURER CERTIFICATE

Certificate no.:
AMMM00001XC
Revision No:
4

This is to certify:

that

Silbitz Guss GmbH
Dr.-Maruschky-Straße 2, 07613 Silbitz,
Germany

is an approved manufacturer of
Iron Castings

in accordance with

DNV rules for classification – Ships
DNV-OS-B101 – Metallic materials
DNV class programme – DNV-CP-0249 Iron castings

and the following particulars:

Iron type(s)	Grey cast iron, Nodular cast iron, Austenitic cast iron
Casting method	Sand casting, Chill casting
Max. weight	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 classed object shall fulfill the material requirements in the applicable DNV class rules.

Issued at **Hamburg** on **2026-08-30**

This Certificate is valid until **2029-11-30**.

DNV local unit: **Hamburg**

Approval Engineer: **Christian Wildhagen**



for **DNV**

This document has been digitally signed and will
therefore not have handwritten signature

Stefan Röhr

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 USD 300 000.

Particulars of the approval

Cast iron

Iron type	Grade ³⁾	Casting method ¹⁾	Max. weight [kg]	Heat treatment condition ²⁾
Grey	GCI200	SC, CC	10 000	AC, SR
	GCI225			
	GCI250			
	GCI275			
	GCI300			
	GCI350			
	EN-GJL-200 acc. EN 1561			
	EN-GJL-250 acc. EN 1561			
	EN-GJL-300 acc. EN 1561			
	EN-GJL-350 acc. EN 1561			
Nodular	NV NCI-1-LT/-RT	SC, CC	10 000	AC, F, P, SR
	NV NCI-2-LT/-RT			
	NV NCI350-22			
	NV NCI370-17			
	NV NCI400-18			
	NV NCI400-15			
	NV NCI450-10			
	NV NCI500-7			
	NN NCI550-5			
	NV NCI600-3			
	NV NCI700-2			
	NV NCI800-2			
	NV NCI900-2			
	EN-GJS-350-22-LT/-RT acc. EN 1563			
	EN-GJS-400-18-LT/-RT acc. EN 1563			
	EN-GJS-400-18 acc. EN 1563			
	EN-GJS-400-15 acc. EN 1563			
	EN-GJS-450-10 acc. EN 1563			
	EN-GJS-500-7 acc. EN 1563			
	EN-GJS-600-3 acc. EN 1563			
	EN-GJS-700-2 acc. EN 1563			
	EN-GJS-800-2 acc. EN 1563			
	EN-GJS-900-2 acc. EN 1563			
Austenitic ⁴⁾	EN-GJSA-XNi35 acc. EN13835	SC	6 500	AC, SR
	EN-GJSA-XNiMn23-4 acc. EN13835			

Remarks:

- ¹⁾ SC: Sand casting CC: Chill Casting
²⁾ AC: As cast F: Ferritizing P: Pearlitizing SR: Stress relieving
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