

APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM00001BC
Revision No:
1

This is to certify:

That

Sachsen Guss GmbH
Obere Hauptstr. 228-230
09228 Chemnitz,
Germany

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	Sand casting
Max. weight	30 000 kg
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 **2019-07-18**

for **DNV GL**

This Certificate is valid until **2022-06-30**.

DNV GL local station: **Hamburg**

Approval Engineer: **Christian Wildhagen**

Thorsten Lohmann
Head of Section



Job Id: **263.11-004262-4**
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Particulars of the approval

Cast iron

Iron type	Grade	Casting method ¹⁾	Max. weight [kg]	Heat treatment condition ²⁾
Grey	150	SC	30 000	AC
	200	SC	30 000	AC
	250	SC	30 000	AC
	300	SC	30 000	AC
Nodular	VL NCI-1	SC	30 000	AC
	VL NCI-2	SC	30 000	F
	VL NCI 370	SC	30 000	AC
	VL NCI 400	SC	30 000	AC
	VL NCI 500	SC	30 000	AC
	VL NCI 600	SC	30 000	AC
	VL NCI 700	SC	30 000	AC
	VL NCI 800	SC	30 000	AC
	EN-GJS-400-18-LT acc. EN 1563	SC	30 000	F
	EN-GJS-400-18-RT acc. EN 1563	SC	30 000	F
	EN-GJS-400-15 acc. EN 1563	SC	30 000	AC
	EN-GJS-450-10 acc. EN 1563	SC	30 000	AC
	EN-GJS-500-7 acc. EN 1563	SC	30 000	AC
	EN-GJS-600-3 acc. EN 1563	SC	30 000	AC
EN-GJS-700-2 acc. EN 1563	SC	30 000	AC	
EN-GJS-800-2 acc. EN 1563	SC	30 000	AC	

Remarks:

- ¹⁾ SC: Sand Casting
- ²⁾ AC: As cast
F: Ferritizing
SR: Stress relieving

Special conditions:

Subject to case-by-case approval, production welding permitted according following approved WPS:

- WF 1410013 HH Page 01 WPSnr. 7.624 artgleich 2, VP:02/2011 dd. 2011-12-15
- WF 1410013 HH Page 02 WPSnr. 7.624 artfremd 3, VP:05/2011 dd. 2011-12-15
- WF 1410013 HH Page 03 WPSnr. 7.624 artgleich 1, VP:01/2011 dd. 2011-12-15
- WF 1410013 HH Page 04 WPSnr. 7.624 artfremd 1, VP:03/2011 dd. 2011-12-15

Prior to welding DNVGL is to be informed about type and location of welding. The requirements as stated in DNVGL-RU-SHIP Pt.2 Ch.2 Section 9 shall be complied with.