

APPROVAL OF MANUFACTURER CERTIFICATE

This is to certify:**That****WESO-Aurorahütte GmbH**
Aurorahütte 1, 35075 Gladenbach, Germanyis an approved manufacturer of
Iron Castingsin accordance with
DNV GL rules for classification – Ships

and the following particulars:

Iron type(s)	Grey cast iron
Max. weight	180 kg
Remarks	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 **2016-09-07**This Certificate is valid until **2019-09-06**.DNV GL local station: **Essen**Approval Engineer: **Christian Wildhagen**for **DNV GL**

Digitally Signed By: Hachmoeller, Ludger

Location: DNV GL Hamburg, Germany

Signing Date: 2016-09-07 , on behalf of

Thorsten Lohmann
Head of Section

Job Id: **263.11-005243-1**
Certificate No: **AMMM00000XE**

Particulars of the approval

Cast iron:

Grade	Product	Supply Condition	Casting Method	Thickness [mm], max.	Weight [kg], max.
EN-GJL-200 acc. to EN 1561	GG	AC	SC	300	180
EN-GJL-250 acc. to EN 1561	GG	AC	SC	300	180

GG: grey cast iron

AC: as cast

SC: sand casting