

APPROVAL OF MANUFACTURER CERTIFICATE

This is to certify:**That****Grossenhainer Gesenk- und Freiformschmiede GmbH
Grossenhain, Germany**is an approved manufacturer of
Steel Forgingsin accordance with
DNV GL rules for classification – Ships

and the following particulars:

Products	Forgings for hull structures and equipment Forgings for shafting and machinery Forgings for gearing Forgings for boilers, pressure vessels and piping systems
Steel type(s)	Carbon and carbon-manganese, Alloy
Max. weight	300 kg
Remarks	Including grades according to international standards for approved applications, 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 **2016-10-11**for **DNV GL**This Certificate is valid until **2019-12-31**.DNV GL local station: **Magdeburg**Approval Engineer: **Christian Wildhagen**

**Thorsten Lohmann
Head of Section**

Job Id: **263.11-003285-2**
Certificate No: **AMMM00000YT**

Particulars of the approval

Forgings:

Grade	Supply Condition	Weight [kg], max.
EN 10084	acc. to standard	300
EN 10083-2		
EN 10083-3		
EN 10025-2		
EN 10025-3		