

# APPROVAL OF MANUFACTURER CERTIFICATE

This is to certify:

That

**Böhmer Gusstechnik GmbH & Co. KG**  
Witten, Germany

is an approved manufacturer of  
**Steel Castings**

in accordance with  
**DNV GL rules for classification – Ships**  
**Offshore Standard DNV-OS-B101**

and the following particulars:

<b>Steel type(s)</b>	<b>Carbon and carbon-manganese, Alloy, Austenitic stainless</b>
<b>Max. weight</b>	<b>7 000 kg</b>
<b>Delivery Condition</b>	<b>See particulars of the approval</b>
<b>Remarks</b>	<b>See particulars of the approval</b>

Manufacturer(s) approved by this certificate is/are accepted to deliver according to DNV GL, DNV and GL rules.

This Certificate is valid until **2019-12-31**.

Issued at **Hamburg** on **2016-05-24**

DNV GL local station: **Essen**

Approval Engineer: **Christian Wildhagen**

for **DNV GL**

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**Thorsten Lohmann**  
**Head of Section**

Job Id: **263.11-003388-3**  
Certificate No: **AMMM00000KU**

## Particulars of the approval

### Steel Forgings

Grade	Product	Supply Condition	Casting Method	Weight [kg], max.
Carbon and Carbon-Manganese	SA	N, N+T, Q+T	SC	7000
Alloy	SA	N, N+T, Q+T	SC	7000
Unalloyed and low-alloyed steels acc. to EN 10293	SA	N, N+T, Q+T	SC	7000
Austenitic and martensitic stainless steels acc. to EN 10283	NR	Q+T / S+Q	SC	7000

SA: cast steel for common use  
Q+T: quenched + tempered

NR: stainless steel  
S+Q: solution annealed and quenched

N: normalized

N+T: normalized + tempered  
SC: sand casting