

# APPROVAL OF MANUFACTURER CERTIFICATE

## This is to certify:

That

**Härterei Reese Bochum GmbH**  
**Oberscheidstr. 25 44807 Bochum, Germany**

is an approved manufacturer of  
**Heat treatment**

in accordance with  
**DNV GL rules for classification – Ships**

and the following particulars:

<b>Heat treatment</b>	<b>Hardening and tempering, Normalizing as well as normalizing and tempering Annealing (incl. stress relieving) Case hardening, Nitriding and nitrocarburizing Induction hardening</b>
<b>Steel type</b>	<b>Carbon and carbon-manganese, Alloy</b>
<b>Max. diameter/ thickness</b>	<b>5 000 mm</b>
<b>Max. weight</b>	<b>50 000 kg</b>

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 **2017-02-09**

for **DNV GL**

This Certificate is valid until **2020-01-31**.

DNV GL local station: **Essen**

Approval Engineer: **Christian Wildhagen**

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

