

# APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:  
**AMMM00000DN**  
Revision No:  
**2**

**This is to certify:**

That  
**Stahlwerk Thüringen GmbH**  
**Kronacher Strasse 6**  
**Unterwellenborn, Germany**

is an approved manufacturer of  
**Steelmaking and Rolled Steel Products**

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

and the following particulars:

<b>Product</b>	<b>Hot rolled structural steel sections Semi-finished products used for construction of vessels and for fabrication of offshore structures incl. their equipment</b>
<b>Grade(s)</b>	<b>Rolled steel for structural application</b>
<b>Steelmaking</b>	<b>Electric arc furnace and continuous casting</b>
<b>Deoxidation</b>	<b>killed</b>
<b>Fine grain elements</b>	<b>Aluminium (either single or in combination with Ti and/or Nb)</b>
<b>Delivery conditions</b>	<b>As cast, as rolled, normalized rolled, thermo-mechanically rolled</b>
<b>Max. thickness/diam.</b>	<b>26 mm (rolled) / 100 mm (semi-finished)</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. 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 **2017-08-21**

This Certificate is valid until **2020-07-31**.

DNV GL local station: **Magdeburg**

Approval Engineer: **Gabi Dau**



for **DNV GL**  
Digitally Signed By: Wildhagen, Christian  
Location: DNV GL Hamburg, Germany  
Signing Date: 2017-08-23 , on behalf of

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

