

APPROVAL OF MANUFACTURER CERTIFICATE

This is to certify:**That****Zeleziarne Podbrezova a.s.
Kolkaren 35, 976 81 Podbrezova, Slovak Republic**is an approved manufacturer of
Steel Pipes and Fittingsin accordance with
DNV GL rules for classification – Ships

and the following particulars:

Product	Steel pipes
Steel type(s)	Carbon and carbon-manganese
Process	Seamless
Dimensions	Outer diameter maximum 162 mm Wall thickness maximum 16 mm

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 **2016-08-10**This Certificate is valid until **2019-07-31**.
DNV GL local station: **Site Office Komarno**Approval Engineer: **Christian Wildhagen**for **DNV GL**

Thorsten Lohmann
Head of Section

APPROVAL OF MANUFACTURER CERTIFICATE

This is to certify:

That

Zeleziarne Podbrezova a.s.
Kolkaren 35, 976 81 Podbrezova, Slovak Republic

is an approved manufacturer of
Steelmaking

in accordance with
DNV GL rules for classification – Ships

and the following particulars:

Product	Semi-finished products such as blooms for forging and piping stock
Grade(s)	Carbon and carbon-manganese, Alloy
Steelmaking	Electric arc furnace, Continuous casting
Deoxidation	Killed
Remarks	See particulars of the approval

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Approval Engineer: **Christian Wildhagen**

Thorsten Lohmann
Head of Section

Particulars of the approval

Semi-finished products:

Grade	Product	Supply Condition	Thickness [mm], max.	Microalloy
C and C-Mn steels ¹⁾	HZ	AC	280	acc. to standard
Alloy steels ¹⁾	HZ	AC	280	acc. to standard

Remarks:

- ¹⁾ Steel grades of unalloyed and alloy steels cover the supply of semi-finished products for materials used for construction of vessels and their equipment. The final processing mill is responsible for ordering steel which complies with their approved chemical composition and enables them to achieve the required mechanical properties.