

APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM00001MX
Revision No:
1

This is to certify:

That
Stahlwerk Bous GmbH
Saarstrasse 1, 66359 Bous,
Germany

is an approved manufacturer of
Steelmaking

in accordance with
DNV GL rules for classification – Ships
DNVGL-OS-B101 – Metallic materials

and the following particulars:

Application area	Steelmaking
Products	Semi-finished products for rolling or forging stock
Steel type	Carbon and carbon-manganese, Alloy
Manufacturing method	Electric arc furnace, continuous casting or ingot casting
Deoxidation	Killed
Max weight [kg]	See page 2
Max. thickness / diameter	See page 2
Heat treatment condition	See page 2

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 **2020-11-05**

for **DNV GL**

This Certificate is valid until **2023-09-03**.

DNV GL local station: **Essen**

Approval Engineer: **Christian Wildhagen**

Thorsten Lohmann
Head of Section

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Job Id: **263.11-004831-3**
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Particulars of the approval

Semi-finished products

Steel type	Product	Steel making ¹⁾	Max weight [kg]	Max. thickness [mm]	Heat treatment condition ²⁾
C and C-Mn	Ingot	EAF, IC	60 000	-	AC
	Billet, Slab, Bloom	EAF, CC	-	500 ³⁾	AC
Alloy	Ingot	EAF, IC	60 000	-	AC
	Billet, Slab, Bloom	EAF, CC	-	500 ³⁾	AC

Remarks:

- 1) EAF: electric arc furnace
CC: continuous casting
IC: ingot casting
- 2) AC: as cast
- 3) Maximum dimensions for rectangular cross-section are 430 mm x 320 mm whilst for circular cross-section the maximum diameter is 500 mm