

APPROVAL OF MANUFACTURER CERTIFICATE

This is to certify:

That

**Steel Dynamics, Inc. - Engineered Bar Products Division
Pittsboro IN, United States**

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 (blooms, billets)
Steel type	Carbon and Carbon-Manganese
Manufacturing method	Electric Arc Furnace / Continuous Casting
Deoxidation	Killed
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 **2020-01-08**

for **DNV GL**

This Certificate is valid until **2022-06-30**.

DNV GL local station: **New York**

Approval Engineer: **Stefan Röhr**

Thorsten Lohmann
Head of Section



Job Id: **263.11-004920-2**
Certificate No: **AMMM00002N4**

Particulars of the approval

Semi-finished products

Steel type	Product	Steel making ¹⁾	Heat treatment condition ²⁾
Carbon and Carbon-Manganese	Blooms, Billets	EAF, CC	AC

Remarks:

- 1) EAF: Electric Arc Furnace; CC: Continuous Casting
- 2) AC: As Cast