

APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM00001ZT
Revision No:
1

This is to certify:

That

BGH Polska Sp. z o.o.
ul. Żelazna 9, 40-851 Katowice,
Poland

is an approved manufacturer of
Rolled Steel Products

in accordance with
DNV GL rules for classification – Ships

and the following particulars:

Application area	Steelmaking
Products	Rolled bars intended to be machined into components
Steel type	Carbon and carbon-manganese, Alloy, Austenitic stainless, Martensitic stainless Austenitic-ferritic (Duplex) stainless
Manufacturing method	Electric arc furnace Continuous casting Ingot casting
Max. thickness / diameter	See page 2
Heat treatment condition	As cast

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 **2021-02-08**

for **DNV GL**

This Certificate is valid until **2023-12-31**.

DNV GL local station: **Katowice CMC**

Approval Engineer: **Andreas Koch**

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Thorsten Lohmann
Head of Section

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV GL AS, its parent companies and subsidiaries as well as their officers, directors and employees ("DNV GL") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Job Id: **263.11-011229-1**
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Particulars of the approval

**Rolled round bars^{3) 4)} intended to be machined into components
(as a substitute for forged bars)**

Steel type ³⁾	Product	Steel making ¹⁾	Max. thickness / diameter [mm]	Delivery condition ²⁾
C and C-Mn	Bar	EAF, IC, CC	72	NR
Alloy				QT
Martensitic stainless				QT
Austenitic stainless				SHT
22Cr duplex stainless				SHT

Remarks:

- 1) EAF: Electric arc furnace
CC: Continuous casting
IC: Ingot casting
- 2) NR: normalising rolling
QT: quenched and tempered
SHT: solution heat treated (solution annealed)
- 3) Minimum rolling reduction ratio 6:1
- 4) Sampling, inspection and testing requirements shall be according to Rules for ships Pt.2 Ch.2 Sec.6