



APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM0000TT
Revision No:
2

This is to certify:

That

COGNOR Spolka Akcyjna Oddzial HSJ w Stalowej Woli
ul. Kwiatkowskiego 1, 37-450 Stalowa Wola,
Poland

is an approved manufacturer of
Steelmaking and Rolled Steel Products

in accordance with
DNV rules for classification – Ships

and the following particulars:

Application area	Carbon and carbon-manganese steel, Alloy steel
Products	High strength steel Plates, Semi-finished rolled round bars intended for machining into components, Semi-finished products for forging or rolling stock, See page 2
Manufacturing method	Electric arc furnace, Continuous casting
Max. thickness / diameter	See page 2
Heat treatment condition	See page 2
Additional approval conditions	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 classed object shall fulfill the material requirements in the applicable DNV class rules.

Issued at **Hamburg** on **2022-08-25**

for **DNV**

This Certificate is valid until **2025-06-30**.

DNV local station: **Katowice CMC**

Approval Engineer: **Christian Wildhagen**

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 AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") 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.



Particulars of the approval

High strength steel

Grade	Product	Steel making ¹⁾	Fine grain elements	Max. thickness [mm]	Heat treatment condition ²⁾	Z- quality
NV A32, NV D36, NV E36	Plate	EAF, CC	Al	30	N	-

Semi-finished rolled round bars ^{3) 4)} intended to be machined into components (as a substitute for forged bars)

Steel type	Product	Steel making ¹⁾	Max. Thickness [mm]	Heat treatment condition ²⁾
C and C-Mn	Bar	EAF, CC	100	AR
Alloy	Bar	EAF, CC	120	AR

Semi-finished products for forging or rolling stock

Steel type	Steel making ¹⁾	Max. Thickness [mm]	Heat treatment condition ²⁾
C and C-Mn	EAF, CC	100	AR
Alloy	EAF, CC	120	AR

Remarks:

- ¹⁾ EAF: Electric arc furnace
CC: Continuous casting
- ²⁾ AR: as rolled
N: normalised
- ³⁾ Minimum rolling reduction ratio 6:1
- ⁴⁾ Sampling, inspection and testing requirements shall be according to DNV Rules for ships Pt.2 Ch.2 Sec.6