

APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM00000TT
Revision No:
1

This is to certify:

That

COGNOR Spolka Akcyjna Oddzial HSJ w Stalowej Woli
Stalowa Wola, ul Kwiatkowskiego 1,
Poland

is an approved manufacturer of
Steelmaking and Rolled Steel Products

in accordance with
DNV GL rules for classification – Ships

and the following particulars:

Products	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 GL classed object shall fulfill the material requirements in the applicable DNV GL class rules.

Issued at **Hamburg** on **2019-06-28**

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

DNV GL local station: **Katowice**

Approval Engineer: **Christian Wildhagen**



for **DNV GL**
Digitally Signed By: Wenning, Martin

Location: DNV GL Hamburg, Germany
Signing Date: 2019-06-28, on behalf of

Thorsten Lohmann
Head of Section



Job Id: **263.11-009989-1**
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Particulars of the approval

High strength steel

Grade	Product	Steel making ¹⁾	Fine grain elements	Max. thickness [mm]	Heat treatment condition ²⁾	Z-quality
VL A32, VL D36, VL 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 Rules for ships Pt.2 Ch.2 Sec.6