

APPROVAL OF MANUFACTURER CERTIFICATE

This is to certify:

That

ASIL CELIK SAN. ve TIC. A.S.
Gemic Mahallesi, Gemic Sokak, No:183 Orhangazi / Bursa,
Turkey

is an approved manufacturer of
Steelmaking and Rolled Steel Products

in accordance with
DNV GL rules for classification – Ships

and the following particulars:

| | |
|----------------------------------|--|
| Application area | Steelmaking |
| Products | Round bars for chain cable, Semi-finished products for rolling or forging stock |
| Steel type | Carbon and carbon-manganese, Alloy, See page 2 |
| Manufacturing method | Electric arc furnace, continuous casting / ingot casting |
| Deoxidation | Killed |
| 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 **2020-12-21**

for **DNV GL**

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

DNV GL local station: **Istanbul**

Approval Engineer: **Christian Wildhagen**

Thorsten Lohmann
Head of Section

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Job Id: **263.11-008579-2**
Certificate No: **AMMM00001ZH**
Revision No: **1**

Particulars of the approval

Bars for chain cables

| Grade | Steel making ¹⁾ | Fine grain elements | Max. thickness / diameter [mm] | Delivery condition ²⁾ |
|--------------------------------------|----------------------------|---------------------|--------------------------------|----------------------------------|
| VL K1 | EAF, CC | Al | 220 | AR |
| VL K2 | EAF, CC | Al | 220 | AR |
| VL K3 (27MnSi5 acc. DIN 17115) | EAF, CC | Al | 220 | AR |

Semi-finished products

| Steel type | Product | Steel making ¹⁾ | Delivery condition ²⁾ |
|------------|---------|----------------------------|----------------------------------|
| C and C-Mn | Ingot | EAF, IC | AC |
| | Billet | EAF, CC | AC |
| Alloy | Ingot | EAF, IC | AC |
| | Billet | EAF, CC | AC |

Remarks:

- 1) EAF: Electric arc furnace
CC: Continuous casting
IC: Ingot casting
- 2) AR: as rolled
AC: as cast