



APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM00000R4
Revision No:
3

This is to certify:

That

Donalam S.R.L.
Strada Prelungirea Bucuresti Nr. 162,
Calarasi,
Romania

is an approved manufacturer of
Rolled Steel Products

in accordance with

DNV rules for classification – Ships
DNV class programme – DNV-CP-0243 Rolled steel products – non stainless steel

and the following particulars:

| | |
|----------------------------------|---|
| Application area | Normal strength steel, High strength steel |
| Products | Bars |
| Steel type | Carbon and carbon-manganese, Alloy |
| Max. thickness / diameter | See page 2 |
| 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 classed object shall fulfill the material requirements in the applicable DNV class rules.

Issued at **Hamburg** on **2023-03-01**

for **DNV**

This Certificate is valid until **2025-04-30**.

DNV local unit: **Bucharest**

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

Steels acc. to other standards

| Grade | Product ²⁾ | Fine grain elements | Max. thickness / diameter [mm] | Heat treatment condition ²⁾ |
|--|-----------------------|---------------------|--------------------------------|--|
| Steels acc. to EN 10025-2 | | | | |
| S235JR, S235J0, S235J2, S275JR, S275J0, S275J2, S355JR, S355J0, S355J2 | Bar | Acc. standard | 320 | AR |
| S235JR, S235J0, S235J2, S275JR, S275J0, S275J2, S355JR, S355J0, S355J2 | Bar | Acc. standard | 320 | N |
| Steels acc. to EN 10025-3 | | | | |
| S275N, S355N | Bar | Acc. standard | 320 | N |
| Steels acc. to EN 10083-2 | | | | |
| C30, C40, C45 | Bar | Acc. standard | 320 | N |
| Steels acc. to ASTM A105 / A105M | | | | |
| A105 | Bar | Acc. standard | 320 | N |
| Steels acc. to ASTM A350 / A350M | | | | |
| LF1, LF2 | Bar | Acc. standard | 320 | AR |
| LF1, LF2 | Bar | Acc. standard | 320 | N |
| Steels acc. to ISO 683-2 | | | | |
| 42CrMoS4, 34CrNiMo6, 30CrNiMo8 | Bar | Acc. standard | 250 | QT |

Remarks:

- 1) AR: as rolled
 N: normalised
 QT: quenched and tempered
- 2) For steel bars for machinery application, sampling, inspection and testing requirements shall be according to DNV Rules for ships Pt.2 Ch.2 Sec.6. Minimum rolling reduction ratio 6:1.