



APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM0000217
Revision No:
2

This is to certify:

That

Constellium Extrusions Děčín s.r.o.
Ústecká 751/37, Děčín 5-Rozbělesy, CZ-40502,
Czech Republic

is an approved manufacturer of
Wrought Aluminium and Aluminium Alloys

in accordance with
DNV GL rules for classification – Ships

and the following particulars:

| | |
|-------------------------------------|---------------------------------|
| Application area | Wrought Aluminium Alloys |
| Products | Bars, Sections, Tubes |
| Manufacturing method | Extruded |
| Max. section /wall thickness | 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 **2021-04-26**

for **DNV**

This Certificate is valid until **2024-06-30**.

DNV local station: **Prague CMC**

Approval Engineer: **Andreas Koch**

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.



Form code: AM 311

Revision: 2021-03

www.dnv.com

Page 1 of 2

Particulars of the approval

Wrought aluminium alloys

| Grade ¹⁾ | Product | Max. thickness (mm) | Heat treatment condition |
|---------------------|----------------|---------------------|--------------------------|
| VL 5083 | Tubes | 12 | O, H111 |
| | Bars | 10 | |
| | Sections | 7 | |
| VL 6061 | Sections | 89 ²⁾ | T4/T6 |
| | Bars | 150 ²⁾ | |
| VL 6082 | Tubes | 10 | T4/T6 |
| | Sections | 40 | |
| | Sections, bars | 150 ²⁾ | |
| | Tubes | 4 | T5 |

Remarks:

- 1) Incl. equivalent grades in acc. to other standards
- 2) Thickness > 50 mm in acc. with relevant standard