

# APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:  
**AMMM00001HY**  
Revision No:  
**1**

**This is to certify:**

That  
**HYDRO EXTRUSION HUNGARY Kft.**  
**H-8000 Szekesfehervar, 11,**  
**Hungary**

is an approved manufacturer of  
**Wrought Aluminium and Aluminium Alloys**

in accordance with  
**DNV GL rules for classification – Ships**  
**Offshore Standard DNV GL-OS-B101**

and the following particulars:

|                                       |                                      |
|---------------------------------------|--------------------------------------|
| <b>Application area</b>               | <b>Wrought Aluminium Alloys</b>      |
| <b>Products</b>                       | <b>Bars,<br/>Sections,<br/>Pipes</b> |
| <b>Manufacturing method</b>           | <b>Extruded</b>                      |
| <b>Max. weight</b>                    | <b>See page 2</b>                    |
| <b>Max. section /wall thickness</b>   | <b>See page 2</b>                    |
| <b>Heat treatment condition</b>       | <b>See page 2</b>                    |
| <b>Additional approval conditions</b> | <b>See page 2</b>                    |

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 **2018-12-27**

for **DNV GL**

This Certificate is valid until **2019-12-31**.  
DNV GL local station: **Budapest**

Approval Engineer: **Torben Schällicke**

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**Thorsten Lohmann**  
**Head of Section**



Job Id: **263.11-009448-1**  
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## Particulars of the approval

### Wrought aluminium alloys

| Grade <sup>1)2)</sup>        | Product               | Max. section / wall thickness [mm]          | Temper |
|------------------------------|-----------------------|---|--------|
| EN AW-6005A<br>acc to EN 755 | Sections, bars, pipes | Cross section up to<br>3500 mm <sup>2</sup> | T6     |
| EN AW-6060<br>acc to EN 755  | Sections, bars, pipes | Cross section up to<br>3500 mm <sup>2</sup> | T5, T6 |
| EN AW-6082<br>acc to EN 755  | Sections, bars, pipes | Cross section up to<br>3500 mm <sup>2</sup> | T5, T6 |

Remarks:

- 1) Approval covers grades equivalent to the indicted grades
- 2) Certification of any material applied to classed object shall fulfill the applicable material requirements in the DNV GL class rules