APPROVAL OF MANUFACTURER CERTIFICATE

Certificate no.:
AMMM000019F
Revision No:
3

This is to certify:

that

ST Extruded Products Germany GmbH
Friedrich-Wöhler-Straße 2,
53117 Bonn,
Germany

is an approved manufacturer of
Wrought Aluminium and Aluminium Alloys

in accordance with

DNV rules for classification – Ships
DNV-OS-B101 – Metallic materials
DNV class programme – DNV-CP-0248 Wrought aluminium alloys

and the following particulars:

Application area	**Wrought Aluminium Alloys**
Products	**Extrusions**
Manufacturing method	**Extruded**
Max. section/wall thickness	**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 classed object shall fulfill the material requirements in the applicable DNV class rules.

Issued at **Hamburg** on **2025-11-20**

This Certificate is valid until **2028-06-30**.
DNV local unit: **Essen**

Approval Engineer: **Christian Wildhagen**

for **DNV**

This document has been digitally signed and will therefore not have handwritten signature

Stefan Röhr

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 USD 300 000.

Particulars of the approval

Wrought aluminium alloys

Grade [1)]	Product	Max. section / wall thickness [mm]	Heat treatment condition
NV 5083	Extrusions	50	O, H111, H112
NV 6005A	Extrusions	50	T4, T6
NV 6082	Extrusions	50	T4, T5, T6

Remarks:

1) Incl. equivalent grades according to other standards

Additional approval conditions
Including LNG service for NV 5083 0