

APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM000000H
Revision No:
1

This is to certify:

That

Gustav Grimm Edelstahlwerk GmbH & Co. KG
Ronsdorfer Str. 172-174, 42828 Remscheid,
Germany

is an approved manufacturer of
Wrought Aluminium and Aluminium Alloys

in accordance with
DNV GL rules for classification – Ships
DNVGL-OS-B101 – Metallic materials

and the following particulars:

Products	Forgings
Grades	5000 series alloys
Manufacturing method	Open die forging
Max. weight	10 000 kg
Heat treatment condition	O, H111, 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 GL classed object shall fulfill the material requirements in the applicable DNV GL class rules.

Issued at **Hamburg** on **2019-05-09**

This Certificate is valid until **2022-06-30**.
DNV GL local station: **Essen**

Approval Engineer: **Christian Wildhagen**



for **DNV GL**

Digitally Signed By: Roehr, Stefan

Location: DNV GL Hamburg, Germany

Signing Date: 2019-05-09 , on behalf of

Thorsten Lohmann
Head of Section



Job Id: **263.11-002789-3**
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Particulars of the approval

Aluminium forgings

Grade ¹⁾³⁾	Forging method ¹⁾	Heat treatment condition
5000 series alloys	OD	O, H111

Remarks:

¹⁾ OD: Open die forging