



APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM00001M2
Revision No:
2

This is to certify:

That

Ewald Waffenschmidt GmbH + Co.KG
Otto-Hahn-Str.6, 57482 Wenden-Huensborn ,
Germany

is an approved manufacturer of
Steel Forgings

in accordance with

DNV rules for classification – Ships
DNV class programme – DNV-CP-0247 Steel forgings

and the following particulars:

Application area	Stainless steel forging, Nickel base alloy forging
Steel types	Austenitic stainless, Austenitic-ferritic (Duplex) stainless, Nickel alloys
Forging method	See page 2
Max. weight	Open die forging
Heat treatment condition	50 kg
	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 **2023-08-01**

for **DNV**

This Certificate is valid until **2026-05-31**.

DNV local unit: **Essen**

Approval Engineer: **Dechun Lou**

Thorsten Lohmann
Head of Section

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Form code: AM 311

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Particulars of the approval

Stainless steel forgings

Steel type	Grade	Forging method ¹⁾	Max. weight [kg]	Heat treatment condition ²⁾
Austenitic	CrNi	CD	50	SHT
	CrNiMo	CD	50	SHT
Ferritic-austenitic	22 Cr Duplex	CD	50	SHT
	25 Cr Duplex	CD	50	SHT

Nickel base alloy forging

Alloy type	Forging method ¹⁾	Max. weight [kg]	Heat treatment condition ²⁾
Ni-base ³⁾	CD	50	SHT

Remarks:

- ¹⁾ CD: Closed die forging
- ²⁾ SHT: Solution Heat Treated (Solution Annealing)
- ³⁾ Possible application and certification of any material to classed object is subject to case by case approval