



APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM000023D
Revision No:
3

This is to certify:

That

COGNE ACCIAI SPECIALI S.p.A.
Via Paravera 16, 11100 Aosta, AO,
Italy

is an approved manufacturer of
Steel Forgings

in accordance with

DNV rules for classification – Ships
DNV-OS-B101 – Metallic materials
DNV class programme – DNV-CP-0247 Steel forgings

and the following particulars:

| | |
|---------------------------------------|--|
| Application area | Stainless steel forgings |
| Steel type | Austenitic stainless, Martensitic stainless, Austenitic-ferritic (Duplex) stainless |
| Forging method | Open die forging |
| Max. weight | 11 000 kg |
| 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 **2024-08-21**

This Certificate is valid until **2027-09-30**.

DNV local unit: **Italy/Malta CMC**

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 300,000 USD.



Form code: AM 311

Revision: 2022-12

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Particulars of the approval

Stainless steel forgings (bars)

| Steel type ³⁾ | Forging method ¹⁾ | Max. weight [kg] | Heat treatment condition ²⁾ |
|--------------------------|------------------------------|------------------|--|
| Austenitic stainless | OD | 11 000 | SHT |
| Martensitic stainless | OD | 11 000 | QT |
| 22Cr duplex stainless | OD | 11 000 | SHT |
| 25Cr duplex stainless | OD | 11 000 | SHT |

Remarks:

- 1) OD: Open die forging
- 2) QT: Quenched and tempered
SHT: Solution Heat Treated (Solution Annealing)
- 3) Incl. equivalent grades in acc. to other standards