

APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM000036X

This is to certify:

That

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

is an approved manufacturer of
Rolled Steel Products

in accordance with

DNV rules for classification – Ships
DNV-OS-B101 – Metallic materials
DNV class programme – DNV-CP-0244 Rolled steel products - stainless steel

and the following particulars:

Product	Rolled round bars
Grade(s)	Ferritic stainless, Martensitic stainless, Austenitic stainless, 22Cr duplex stainless, 25Cr duplex stainless
Manufacturing method	Electric Arc Furnace, AOD, Ingot or Continuous Casting
Max. thickness/diameter	See page 2
Heat treatment condition	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.



Particulars of the approval

Rolled Steel Products³⁾

Steel type	Product	Steel making ¹⁾	Max. thickness/ diameter	Heat treatment condition ²⁾
Ferritic stainless	Bar	EAF, AOD, IC	415 mm	QT
		EAF, AOD, CC	101 mm	QT
Martensitic stainless	Bar	EAF, AOD, IC	415 mm	QT
		EAF, AOD, CC	101 mm	QT
Austenitic stainless	Bar	EAF, AOD, IC	415 mm	SHT
		EAF, AOD, CC	152 mm	SHT
22Cr duplex stainless	Bar	EAF, AOD, IC	415 mm	SHT
		EAF, AOD, CC	140 mm	SHT
25Cr duplex stainless	Bar	EAF, AOD, IC	415 mm	SHT
		EAF, AOD, CC	140 mm	SHT

Remarks:

- 1) EAF: Electric arc furnace
 AOD: Argon-Oxygen-Degassing
 CC: Continuous casting
 IC: Ingot casting
- 2) QT: Quenched and tempered
 SHT: Solution Heat Treated (Solution Annealing)
- 3) For use in machinery applications e.g. for substitute of forged bars, sampling, inspection and testing requirements shall be according to DNV Rules for ships Pt.2 Ch.2 Sec.6. Minimum rolling reduction ratio 6:1.