



APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM00001VM
Revision No:
2

This is to certify:

That

CASTINOX, S.A.

**Polígono Industrial de Saratxo S/N, 01470 Amurrio, Álava,
Spain**

is an approved manufacturer of
Steel Castings

in accordance with

DNV rules for classification – Ships
DNV class programme – DNV-CP-0246 Steel castings

and the following particulars:

Application area	Stainless steel castings
Steel type(s)	Austenitic Stainless
Casting method	Sand casting
Max. weight	2800 kg
Max. wall thickness	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 **2023-12-08**

for **DNV**

This Certificate is valid until **2026-12-31**.

DNV local unit: **Area NB/CMC Iberia**

Approval Engineer: **Andreas Koch**

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Thorsten Lohmann
Head of Section

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Form code: AM 311

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Page 1 of 2

Particulars of the approval

Stainless steel castings

Steel type	Grade ³⁾	Casting method ¹⁾	Max. weight [kg]	Max. wall thickness [mm]	Delivery condition ²⁾
Austenitic	GX 2 CrNi 18 10 (304L)	SC	2 800	120	SHT
	GX 5 CrNi 19 9 (304)				
	GX 6 CrNiNb 19 10 (347)				
	GX 2 CrNiMo 19 11 2 (316L)				
	GX 5 CrNiMo 19 11 2 (316)				
	GX 5 CrNiMo 19 11 3 (317)				

Remarks:

- 1) SC: Sand Casting
- 2) SHT: Solution Heat Treated (Solution Annealing)
- 3) Incl. equivalent grades in acc. to other standards