DNV-GL

APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No: **AMMM00001VM**Revision No:

1

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 GL rules for classification - Ships

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 Steepage 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 **2020-11-02**

for **DNV GL**

This Certificate is valid until **2023-12-31**. DNV GL local station: **Area NB/CMC Iberia**

Approval Engineer: Andreas Koch

Thorsten Lohmann Head of Section

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV GL AS, its parent companies and subsidiaries as well as their officers, directors and employees ("DNV GL") 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: 2020-01 www.dnvgl.com Page 1 of 2

Job Id: **263.11-008384-2** Certificate No: **AMMM00001VM**

Revision No: 1

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

Form code: AM 311 Revision: 2020-01 www.dnvgl.com Page 2 of 2