

APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM000013Z
Revision No:
1

This is to certify:

That

Fondinox S.p.A.
Sergnano CR, Italy

is an approved manufacturer of
Steel Castings

in accordance with
DNV GL rules for classification – Ships
DNV GL-OS-B101 – Metallic Materials

and the following particulars:

Application area	Stainless steel castings
Steel type	Austenitic stainless, Ferritic-austenitic (Duplex) stainless
Casting method	See page 2
Max. weight	2 000 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 GL classed object shall fulfill the material requirements in the applicable DNV GL class rules.

Issued at **Hamburg** on **2019-10-22**

for **DNV GL**

This Certificate is valid until **2022-12-31**.

DNV GL local station: **Italy/Malta**

Approval Engineer: **Andreas Koch**

Thorsten Lohmann
Head of Section



Job Id: **263.11-005943-2**
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Particulars of the approval

Stainless steel castings

Steel type	Grade ³⁾	Casting method ¹⁾	Max. weight [kg]	Max. wall thickness [mm]	Heat treatment condition ²⁾
Austenitic	GX 2 CrNi 18 10 (304L) 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)	SC, CC	2 000	65	SHT
Ferritic-austenitic	GX 2 CrNiMoN 22 5 3 GX 2 CrNiMoCuN 25 6 3 3	SC, CC	2 000	105	SHT

Remarks:

- 1) SC: Sand Casting
CC: centrifugal casting
SHT: Solution Heat Treated (Solution Annealing)
- 2) Incl. equivalent grades in acc. to other standards
- 3) Possible application and certification of any material to classed object is subject to case by case approval