

APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM00001UW
Revision No:
1

This is to certify:

That

Non Ferro Gieterij Oldenzaal B.V.
Kleibultweg 109, 7575 PB Oldenzaal,
Netherlands

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	Austenitic stainless, Ferritic-austenitic (Duplex) stainless
Casting method	See page 2
Max. weight	5 000 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 **2020-11-23**

for **DNV GL**

This Certificate is valid until **2023-12-31**.

DNV GL local station: **Netherlands FIS**

Approval Engineer: **Andreas Koch**

Thorsten Lohmann
Head of Section

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Job Id: **263.11-001946-4**
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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]	Delivery condition ²⁾
Austenitic	GX 2 CrNi 18 10 (304L)	SC	5 000	400	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)				
Duplex	GX 2 CrNiMoN 22 5 3				
	GX 2 CrNiMoCuN 25 6 3 3				

Remarks:

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