

# APPROVAL OF MANUFACTURER CERTIFICATE

**This is to certify:**

That

**FAS - FONDERIA ACCIAI SPECIALI SPA**  
**Appignano, MC,**  
**Italy**

is an approved manufacturer of  
**Steel Castings**

in accordance with  
**DNV GL rules for classification – Ships**

and the following particulars:

<b>Application area</b>	<b>Stainless steel castings</b>
<b>Steel type</b>	<b>Austenitic stainless</b>
<b>Casting method</b>	<b>Sand casting</b>
<b>Max. weight</b>	<b>1 300 kg</b>
<b>Heat treatment condition</b>	<b>Solution heat treated</b>
<b>Additional approval conditions</b>	<b>See page 2</b>

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 **2021-10-01**

for **DNV GL**

This Certificate is valid until **2022-03-31**.

DNV GL local station: **Venice**

Approval Engineer: **Gordon Stieb**

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**Thorsten Lohmann**  
**Head of Section**



Job Id: **263.11-004581-2**  
Certificate No: **AMMM00001ZF**  
Revision No: **1**

## Particulars of the approval

Steel type	Grade <sup>3)4)</sup>	Casting method <sup>1)</sup>	Max. weight [kg]	Delivery condition <sup>2)</sup>
Austenitic	GX 2 CrNi 18 10 (304L)	SC	1 300	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) Certification of any material applied to classed object shall fulfill the applicable material
- 4) Incl. equivalent grades in acc. to other standards

Including austenitic stainless steel for approved low-temperature applications